

CITY OF MARSHALLTOWN
COUNCIL AGENDA
CITY HALL COUNCIL CHAMBERS
10 W STATE STREET
JANUARY 11, 2021, 5:30 PM

GO-TO MEETING: City Council Meeting - [Mon, Jan 11](#), 2021 5:30 PM - 7:30 PM (CST)

Please join my meeting from your computer, tablet or smartphone. <https://global.gotomeeting.com/join/924403589>

You can also dial in using your phone. United States: +1 (571) 317-3122 / Access Code: 924-403-589

A. NOTICE TO PUBLIC

The Mayor and City Council welcome comment from the public during discussion of any of the agenda items. You are required to step to the microphone, state your name and address for the record and to limit the time used to present your remarks 3 minutes or less in order that others may be given the opportunity to speak. All speakers shall speak clearly and direct their comments to the Mayor and City Council and not to any Councilor specifically. It is at the discretion of the Mayor and Council to respond to specific questions and comments or to have staff respond during the meeting.

B. CALL TO ORDER

Mayor Joel T.S. Greer

C. PLEDGE OF ALLEGIANCE

D. ROLL CALL

Gowdy, Hoop, Isom, Martin, Starks, Thompson, Wirin.

E. MAYOR, COUNCIL AND ADMINISTRATOR COMMENTS

F. CONSENT AGENDA

1. APPROVE MINUTES 12/28/20 MEETING AND BILL LIST \$1,515,577.53

Documents:

[2020-12-28 Council Minutes.pdf](#)
[01-11-2021_BILL LIST Summary.pdf](#)
[01-11-2021_BILL LIST Detail.pdf](#)

2. Receipt Of Building Permit Report For November 2020, December 2020, And Annual 2020 Report

Documents:

[1120.pdf](#)
[1220.pdf](#)
[2020.pdf](#)

3. November 2020 Financial Statements

Documents:

[November 2020 Financials Memo.pdf](#)
[November 2020 Financial Statements.pdf](#)

4. APPROVE LIQUOR LICENSE RENEWALS

East Side Liquor & Grocery, 1116 E Nevada St
7 Rayos Liquor Store, 120 E Main St
Opa Grill, 4 W Boone St
Kwik Star, 814 S 6th St

5. RESOLUTION 2021-001 APPROVING CONTRACT CHANGE ORDER #2 FOR S. 3RD ST BRIDGE REPAIR PROJECT #STR18003 A DECREASE OF \$440.05

Documents:

[Change order.pdf](#)
[S. 3rd Bridge001.pdf](#)

6. RESOLUTION 2021-002 APPROVING ENGINEER'S STATEMENT OF COMPLETION AND ACCEPTING THE S. 3RD STREET BRIDGE REPAIR PROJECT, BEING PROJECT NO. STR18003, WITH A FINAL PROJECT COST IN THE AMOUNT OF \$135,811.85

Documents:

[Completion.doc.pdf](#)
[STR18003 Engineers Notice of Acceptability.pdf](#)
[STR18003 Certificate of Substantial Completion.pdf](#)

7. RESOLUTION 2021-003 AUTHORIZING THE PURCHASE OF PROPERTY AT 406 WEST LINN STREET

Documents:

[01-11-2021_2021-003_Resolution Authorizing Purchase 406 W Linn St.pdf](#)

8. RESOLUTION 2021-004 AUTHORIZING AN AGREEMENT WITH EIDE BAILLY LLP TO CONTINUE TO PROVIDE AUDIT SERVICES FOR THE CITY OF MARSHALLTOWN FOR FISCAL YEARS ENDING JUNE 30,2021 THROUGH JUNE 30, 2023

Documents:

[01-11-2021 2021-004 Resolution Approving Extension of](#)

[Audit Services FY21 to FY23.pdf](#)
[Extend Audit Services for FY21 to FY23 Memo.pdf](#)
[01-11-2021_2021-004_EideBailly quote for audit services.pdf](#)

G. RESOLUTIONS

1. PUBLIC HEARING AND RESOLUTION 2021-005 APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT AND COST FOR THE 4th STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS PROJECT, IN THE CITY OF MARSHALLTOWN, IOWA, BEING PROJECT NO. SMW17001

Documents:

[01-11-2021_2021-005_Resolution Approve Plans, Specs SMW17001.pdf](#)
[SMW17001 Memo to Order Construction.pdf](#)
[SMW17001 BID DOCUMENTS 4th St Meadow Ln.pdf](#)
[SMW17001 PLANS Marshalltown Storm Sewer Enhancements.pdf](#)

2. PUBLIC HEARING AND RESOLUTION 2021-006 ADOPTING TENTATIVE RESOLUTION 2020-364 ROVIDING FOR THE VACATION, CONVEYANCE, AND TRANSFER OF STREET AND ALLEY HEREIN DESCRIBED FROM THE CITY OF MARSHALLTOWN, IOWA, TO THE MARSHALLTOWN COMMUNITY SCHOOL DISTRICT

Documents:

[01-11-2021_2021-006_Resolution to Vacate Street and Alley to MCSD.pdf](#)

H. ORDINANCES

1. ORDINANCE 15007 RATIFYING AND REPEALING PRIOR ORDINANCES RELATED TO MARSHALLTOWN URBAN REVITALIZATION AREA NO. 1.

2nd Reading

Documents:

[01-11-2021_ORDINANCE_15007 and 15008 Ratifying and Repealing Ord Related to Urban Revite Areas-2nd Reading.pdf](#)

2. ORDINANCE 15008 RATIFYING AND REPEALING PRIOR ORDINANCES RELATED TO MARSHALLTOWN URBAN REVITALIZATION AREA NO. 2

2nd Reading

Documents:

[01-11-2021 ORDINANCE 15007 and 15008 Ratifying and](#)

3. ORDINANCE 15009 AMENDING THE CODE OF ORDINANCES OF THE CITY OF MARSHALLTOWN, IOWA, BY SETTING OUT SCHEDULED FINE AMOUNTS FOR SPEEDING IN VIOLATION OF CHAPTER 76, SCHEDULE VIII.

1st Reading

Documents:

[15009 ORDINANCE Amend Chapter 76, Sch VIII Speeding Violations.pdf](#)
[Speed Ordinance Amendment Request.pdf](#)

I. DISCUSSION

1. Discussion Of Draft Of Strategic Plan

Documents:

[12.28 Strategic Plan Memo.pdf](#)
[Mission.Values.pdf](#)
[DRAFT SWOT Analysis.pdf](#)
[2021 Marshalltown GoalObjAct.pdf](#)
[DRAFT 2021.2022 Strategic Plan Implementation Guide.pdf](#)

2. Discussion - CIP And Capital Expenditure Purchases (1st Draft)

Documents:

[CIP Memo FY21.25.pdf](#)
[Debt Capacity Project Workbook FY22.pdf](#)
[1.7.21 FIRST DRAFT CIP 21.25.pdf](#)
[1.7.21 FIRST DRAFT Project Detail.pdf](#)

3. Discussion - General Fund Budgets For Mayor And City Council

Documents:

[Memo for Mayor and Council General Fund Budgets.pdf](#)
[Mayor and Council General Fund Budgets.pdf](#)

J. PUBLIC COMMENT

Members of the public may make comments on any item which was not on the agenda during this time. The speaker shall approach the microphone, and state his or her name and address. Comments shall be limited to three minutes, unless a longer comment is authorized by the Mayor. The speaker shall direct comments to the Mayor and to the Council as a whole. The Mayor and Councilors shall not engage in discussion or debate on items raised by members of the public, and no action may be taken on items raised in public comments in order to comply with open meetings laws.

K. **ADJOURN**

MISSION STATEMENT

The City of Marshalltown collaborates to provide a welcoming, safe, vibrant, and growing community.

Please visit the City's website for the complete agenda packet and to subscribe to agenda notices and department news. www.marshalltown-ia.gov

COUNCIL PROCEEDINGS
December 28, 2020

Mayor Joel Greer called the meeting to order at 5:36 PM, December 28, 2020, via Go-To Meeting, and Council Person Al Hoop led the pledge of allegiance. Roll call–Present virtually: Cahill, Gowdy, Isom, Martin, Wirin; Present in-person: Hoop and Thompson. City employees were recognized for years of service: Bob Ranson-25 yrs, Geri Larson-25 yrs, Eric Siemens-10 yrs, Cody Schmidt-5 yrs, Wyatt Shelangoski-5 yrs, and Tanner Hunt-5 yrs.

CONSENT AGENDA

Motion by Cahill, second by Wirin to adopt the consent agenda, less approval of item 9 and noting corrections to the Bill List Detail-payroll was pay period 26 not 24 and the title of Resolution 2020-365 should read Fiscal Year 2021 not Fiscal Year 2020: APPROVE MINUTES 12/14/20 AND 12/21/20 MEETINGS AND BILL LIST \$1,299,929.92; APPROVE TREE TRIMMER LICENSES-MPR TREE ENTERPRISES AND PELLA TREE SERVICE; APPROVE SEPTEMBER 2020 FINANCIAL STATEMENTS; APPROVE OCTOBER 2020 FINANCIAL STATEMENTS; RESOLUTION 2020-360 APPROVING FEES CHARGED BY THE PARKS AND RECREATION DEPARTMENT FOR THE RENTAL AND USE OF THE VETERANS MEMORIAL COLISEUM; RESOLUTION 2020-361 APPROVING THE LIQUOR LICENSE APPLICATION PROCESS FOR THE VETERAN'S MEMORIAL COLISEUM; RESOLUTION 2020-362 APPROVING A MODIFICATION OF AN AGREEMENT WITH THE FISHER COMMUNITY CENTER BOARD OF TRUSTEES AND THE FISHER GOVERNOR FOUNDATION FOR THE PUBLIC USE OF THE FISHER COMMUNITY CENTER; RESOLUTION 2020-363 WAIVING CONFLICT OF INTERESTS RELATED TO AHLERS & COONEY, P.C.'S REPRESENTATION OF THE MARSHALLTOWN COMMUNITY SCHOOL DISTRICT IN AN EXCHANGE OF REAL PROPERTY; RESOLUTION 2020-365 TRANSFERRING FUNDS FOR FISCAL YEAR 2021 THROUGH SEPTEMBER 30, 2020; RESOLUTION 2020-366 APPROVING THORP LOGGING CONTRACT CHANGE ORDER FOR EXTENSION OF TIME TO COMPLETE CHIPPING AND HAULING LOGS; RESOLUTION 2020-367 ORDERING CONSTRUCTION OF THE 4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS PROJECT SMW17001, SETTING PUBLIC HEARING ON PROPOSED PLANS, SPECIFICATIONS, FORM OF CONTRACT AND ESTIMATED COST AND DIRECTING PUBLICATION OF NOTICE TO BIDDERS; RESOLUTION 2020-368 APPROVING AN AGREEMENT FOR PROFESSIONAL SERVICES WITH CLAPSADDLE-GARBER ASSOCIATES, INC. FOR THE SIDEWALK GAP YEAR 2 PROJECT #SDW20002, IN THE CITY OF MARSHALLTOWN, IOWA, IN THE AMOUNT OF \$69,170.00. Motion carried 7-0.

Motion by Martin, second by Gowdy to adopt TENTATIVE RESOLUTION 2020-364 AND SETTING OF PUBLIC HEARING FOR PROVIDING FOR THE VACATION, CONVEYANCE, AND TRANSFER OF STREET AND ALLEY HEREIN DESCRIBED FROM THE CITY OF MARSHALLTOWN, IOWA, TO THE MARSHALLTOWN COMMUNITY SCHOOL DISTRICT. Since this involves the land exchange of city park property, Thompson wanted citizens to be aware the public hearing will be on January 11th. Motion carried 7-0.

MOTIONS

Motion by Cahill, second by Isom to pull this item off the table for discussion TABLED ITEM: APPOINTMENT TO FILL THE VACANCY OF FIRST WARD COUNCILOR. Motion carried 6-1, Thompson dissenting.

Motion by Cahill, second by Martin to adopt RESOLUTION 2020-369 APPOINTING MIKE LADEHOFF TO FILL THE VACANCY OF FIRST WARD COUNCILOR. Motion failed 2-5, Gowdy, Hoop, Isom, Thompson, Wirin dissenting. Motion by Isom, second by Wirin adopt RESOLUTION 2020-369 APPOINTING RAYMOND STARKS TO FILL THE VACANCY OF FIRST WARD COUNCILOR. Motion carried 6-1, Thompson dissenting.

RESOLUTIONS

Motion by Isom, second by Gowdy to adopt RESOLUTION 2020-370 APPROVING THE FY2020 COMPREHENSIVE ANNUAL FINANCIAL REPORT FOR THE CITY OF MARSHALLTOWN. Our auditor firm Eide Bailly LLP completed the review of our financials and has given the city an unmodified clean opinion meaning all financial statements were presented fairly in all material respects. Motion carried 7-0.

Motion by Wirin, second by Thompson to adopt RESOLUTION 2020-371 APPROVING AN AGREEMENT BETWEEN THE CITY OF MARSHALLTOWN AND YSS OF MARSHALL COUNTY TO IMPLEMENT A PILOT PROJECT TO STUDY THE DELIVERY OF SOCIAL SERVICES IN COLLABORATION WITH CITY LAW ENFORCEMENT SERVICES AND THE ALLOCATION OF \$150,000.00 TO SUPPORT THIS PROJECT. Motion carried 7-0.

Mayor Greer opened a public hearing at 6:10 pm for the DEVELOPMENT AGREEMENT WITH MCFARLAND CLINIC, AUTHORIZING ANNUAL APPROPRIATION TAX INCREMENT PAYMENTS AND PLEDGING CERTAIN TAX INCREMENT REVENUES TO THE PAYMENT OF THE AGREEMENT. No public comments were received. The agreement is for the construction of a 66,000 square foot medical facility located on E. Merle Hibbs Drive, providing a rebate of incremental taxes of 50% each year for 10 years, up to \$2.4 million. Mayor Greer closed the public hearing at 6:13 pm. Motion by Cahill, second by Martin to adopt RESOLUTION 2020-372 APPROVING DEVELOPMENT AGREEMENT WITH MCFARLAND CLINIC, AUTHORIZING ANNUAL APPROPRIATION TAX INCREMENT PAYMENTS AND PLEDGING CERTAIN TAX INCREMENT REVENUES TO THE PAYMENT OF THE AGREEMENT. Motion carried 6-1, Thompson dissenting.

Mayor Greer opened a public hearing at 6:15 pm for the PROPOSED 2020 AMENDMENT OF URBAN REVITALIZATION PLAN FOR URBAN REVITALIZATION AREA NO. 1. Urban Revitalization Area No. 1 and Area No. 2 are set to expire 12/31/20. It is proposed to amend the plans to leave them effective until repealed by the City Council with correction by ordinance. This will continue the 3-year, 100% tax abatement for commercial properties. No public comments were received. Mayor Greer closed the public hearing at 6:17 pm.

Mayor Greer opened a public hearing at 6:17 pm for the PROPOSED 2020 AMENDMENT OF URBAN REVITALIZATION PLAN FOR URBAN REVITALIZATION AREA NO. 2. No public comments were received. Mayor Greer closed the public hearing at 6:18 pm.

Motion by Isom, second by Gowdy to adopt RESOLUTION 2020-373 ADOPTING THE 2020 AMENDMENTS TO THE PLANS FOR THE MARSHALLTOWN URBAN REVITALIZATION AREA NO. 1 AND MARSHALLTOWN URBAN REVITALIZATION AREA NO. 2. Motion carried 6-1, Thompson dissenting.

ORDINANCES

Motion by Isom, second by Thompson to approve the second reading of ORDINANCE 15005 TO AMEND THE CODE OF ORDINANCES, CITY OF MARSHALLTOWN, IOWA BY AMENDING CHAPTER 77, PARKING SCHEDULES, SCHEDULE II, NO PARKING ANY TIME. Motion carried 7-0. Motion by Thompson, second by Wirin to waive the third reading of this ordinance. Motion carried 7-0.

Motion by Martin, second by Wirin to approve the second reading and waive the third reading of ORDINANCE 15006 TO AMEND THE CODE OF ORDINANCES, CITY OF MARSHALLTOWN, IOWA BY AMENDING CHAPTER 76 TRAFFIC SCHEDULES, SCHEDULE IV STOP INTERSECTIONS. Motion carried 7-0.

Motion by Isom, second by Wirin to approve the first reading of ORDINANCE 15007 RATIFYING AND REPEALING PRIOR ORDINANCES RELATED TO MARSHALLTOWN URBAN REVITALIZATION AREA NO. 1. Motion carried 6-1, Thompson dissenting.

Motion by Gowdy, second by Isom to approve the first reading of ORDINANCE 15008 RATIFYING AND REPEALING PRIOR ORDINANCES RELATED TO MARSHALLTOWN URBAN REVITALIZATION AREA NO. 2. Motion carried 6-1, Thompson dissenting.

DISCUSSION

The draft of the Strategic Plan was presented with a review of the Vision and Values, SWOT Analysis, Goals, Objectives, Actions, and Implementation Plan. Results from the Citizen Survey will be available this week. The council will review the draft plan and the survey results for further discussion at the January 11th meeting.

PUBLIC COMMENT

No public comment.

CLOSED SESSION

Cahill moved to go into a closed session pursuant to Section 21.5, subsection (1) paragraph (j) of the Code of Iowa to discuss the purchase or sale of particular real estate only where premature disclosure could be reasonably expected to increase the price the governmental body would have to pay for that property to reduce the price the governmental body would receive for that property; second by Isom. Motion carried 7-0 and the Council entered closed session at 7:04 pm. Motion by Cahill, second by Gowdy to return to open session. Motion carried 7-0 and the Council returned to open session at 7:17 pm. Roll call–Present virtually: Cahill, Gowdy, Isom,

Martin, Wirin; Present in-person: Hoop and Thompson. Motion by Thompson, second by Martin to have the City Administrator proceed with the offer as discussed in closed session. Motion carried 7-0.

The meeting adjourned at 7:18 pm.

Respectfully Submitted,

CITY OF MARSHALLTOWN, IOWA

Alicia Hunter, City Clerk

Joel T.S. Greer, Mayor

ATTEST:

Alicia Hunter, City Clerk

BILL LIST 01/11/21**Advertising**

TR/2	108.00
Trending.Media/2	176.00

Consulting & Professional Fees

Bolton&Menk.Inc/6	15,172.00
CGA.Assoc/5	7,230.06
Eide.Bailly.LLP/1	13,700.00
GRIMES.BUCK.SCH/2	4,000.00
GTG.Architects/1	7,711.23
IVCCD/1	10,000.00
MarshallCo.Abst/1	125.00
McClure.Engrg/2	4,795.00
Terracon.Conslt/1	1,954.00

Contracts

Aramark.Unfrm/2	43.64
BDH/9	6,004.84
BG.HVAC.INC/1	7,045.00
Bjelland.Plmbg/3	7,450.60
Blabaum, John/1	59,354.47
Caliber.Concret/1	5,392.20
Chamber.Commerc/2	80,361.02
Construct/2	69,048.69
Fisher.Comm.Ctr/1	8,333.33
Gardner.Denver./1	63,276.87
Ind.Ag.Services/1	1,230.26
Klass, James/1	5,500.00
Koch.Office/2	311.52
Marco.Holdings/3	937.50
Marshall.Co.IT./1	5,000.00
MID.COUNTRY.MAC/2	14,268.00
MRI.Software/4	14,462.82
Premier.Equip/2	100.18
Region 6/1	1,236.75
RICOH.USA.INC/4	161.44
Stone.Sanit/5	675.12
Temp.Associates/1	440.80
Thorp,R/4	110,153.95
Veenstra&Kimms/1	4,564.00
Xerox.Corp/1	108.42

Debt Service

CRBT/2	8,707.57
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Equipment

Construct/1	25,887.06
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Medical

HARTFORD.ACCTS/1	6,828.00
Hunterland LLC/1	44.35

Payroll.Net

Payroll/2	615,772.25
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Refund/Reimbursed

Gandy, Jessica/1	125.00
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Rents/Leases

Ackley.Housing/4	686.00
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ALCALA,R/1	184.00
AMES,STEVEN/21	6,229.00
Bahr,Larry/1	271.00
Barnes,L/2	512.00
Benscoter, A/1	507.00
BJ&J.LLC/1	257.00
BLOOD,A/2	681.00
Borota,K/2	592.00
BOULDER.COOP.HS/4	971.00
Brodin,C/1	135.00
Brown,B/1	169.00
Bryngelson.Corp/2	702.00
Buckaroo.LLC/2	689.00
Bunch, John/1	278.00
Burr,Robert/1	265.00
Charlier,Q/1	133.00
Chilton,M/1	450.00
CIRSI/8	819.00
CMHC.INVEST/1	247.00
Dj.Rentals.Coop/1	430.00
Double.D.Entrp/1	423.00
Eakin,R/1	182.00
ECKLOR,S/3	753.00
Elwayne.Inc./4	1,249.00
EPM IA LLC/2	509.00
Etter, W/1	482.00
Eubanks,C/3	842.00
Frazier,J/1	170.00
Frese.Propts/3	817.00
FRIEND,T/1	234.00
Friendly.Valley/4	556.00
Gonzales,G/1	528.00
Gossard.Mobile/1	284.00
Grant.Park.LLC/18	4,337.00
Gray,D/1	550.00
Hala,J/3	870.00
HARRIS,T/1	324.00
Hatch,J/1	475.00
Hatch,R/5	2,000.00
Henricksen,H/1	208.00
HESSENIUS,R/2	281.00
Hilltop.Village/5	857.00
HOBSON,W/1	164.00
Hodges,K/1	294.00
Houston Housing/1	1,071.00
Hsg.St.Cloud/1	462.00
HUBBARD.MAPLE/2	369.00
Ibarra,S/1	144.00
Iowa.PheasantAp/4	1,026.00
Jared,S/1	162.00
JB.I.COOP.Assn/2	431.00
JDL.Rental.Coop/1	845.00
Johnson,S/1	550.00
Judge,M/5	1,960.00
Klinefelter,R/1	450.00
Kowalik, J/1	132.00

LAWSON,R/2	353.00	Houston Housing/1	40.65
Lawthers.Prop.M/2	717.00	Hsg.St.Cloud/1	40.65
LBO Investments/1	360.00	IA.Sec.State/3	90.00
Lopez, Jaime/1	347.00	Kapaun.Brown/1	162.00
LUENSE,B/5	1,927.00	Kastein, Elizab/1	43.00
Mansager, C/1	175.00	Manneh, Nancy/1	43.00
Marion.Manor2/1	559.00	MarshallCo.Abst/1	125.00
MATNEY,L/1	331.00	McAtee.Tire/2	292.80
Miller,P/1	148.00	Mello, Allison/2	58.00
Mtwn/Westown/22	4,327.00	Mid.State.OrgCr/1	200.00
MURPHY,P/1	188.00	Moran-Million,J/1	35.00
NAUGHTON,R/1	825.00	Mtwn.Wtrwrks/3	8,958.48
Nelson,L/2	585.00	Salvation.Army/1	700.00
Nichols,T/1	318.00	Scharnweber.Wtr/1	27.00
North.Tama.Hsg/2	291.00	Scharpenter,B/1	13.00
Oetker,D/5	1,061.00	Thawn Neng/1	63.00
Palisade.Holdng/1	143.00	Tri.State.Lock/1	-70.00
Park.Elms,LLC/2	241.00	WICKHAM,M/1	420.00
Pilot.Creek/1	152.00	YRC/1	145.00
Premier.RE.Mgmt/9	4,796.00	Supplies/Parts	
PYLE,D/1	347.00	Adland.Engrvg/2	295.70
RD.Toledo,LLP/2	844.00	AirFilter.Servc/1	610.13
Ream,AJ/1	368.00	Airgas.U.S.A./1	102.07
Reed,T/6	2,039.00	Allied.Electrnc/1	128.14
River.Birch/5	1,657.00	Ann.Alteration/1	32.00
River.Oaks/10	4,496.00	Arnold.Motor.Su/10	148.02
Rush,R/1	195.00	Baker.Group/1	931.63
S.E.Invst/2	649.00	BDH/27	16,590.91
Schmidt,M/1	418.00	Bobcat.Ames/3	439.47
SCOTT,L/1	434.00	Brenntag.Great./1	1,803.20
SESKER,R/1	182.00	City.Laundering/9	515.88
Specht,G/1	255.00	Cntrl.IA.Machin/2	1,355.25
Squire,B/1	194.00	Crescnt.Electrc/1	242.24
Steelsmith,G/3	687.00	Fastenal.Co/1	72.87
Stone, Sarah/1	491.00	Galls.LLC/11	2,465.90
Sunrise.Apt/2	138.00	Gervich.Sons/3	497.30
Switzer,T/2	888.00	Gillig.LLC/2	1,840.94
Tallcorn.Tower/21	5,639.00	IA.Water.Mgmt/1	390.00
Titus,T/2	442.00	Kapaun.Brown/1	135.00
TOWN.APARTMENT/3	291.00	Keystone.Lab/1	154.00
VanVoorst,M/1	228.00	Macqueen.Equip/1	862.79
VC.Investment/8	1,897.00	Martin.Marietta/1	127.74
VEST,L/1	48.00	McAtee.Tire/3	1,321.76
Warden,R/1	647.00	Menards/2	50.59
Weatherly.Erin/3	889.00	Midland.Scienti/6	1,255.74
Worent.Inc/1	254.00	Midwest.Overhd./1	660.67
ZA.Properties/2	789.00	Napa.Auto/2	37.82
ZMOLEK,M/1	253.00	Nutrien.Ag.Sol/5	626.20
Service/Repairs		Ohalloran.Inter/1	477.64
Airgas.U.S.A./1	45.80	Panther.Uniform/1	635.50
Aponte,M/1	27.00	Park,K/1	982.00
Century.Link/55	1,007.75	Racom.Corp/1	46.00
Centurylink.Id/6	14.20	Rasmusson.Svc/2	562.31
Danner,M/1	7.00	SE.Jones.Indust/1	520.00
Fexsteve Ltd Co/2	13,450.00	Shetler,D/3	274.00
Goken, Briana/1	7.00	Streichers.Inc/1	204.20

Supr.Welding/1	107.47
Thiesens.Supply/4	161.93
Titan.Machinery/1	381.95
Tri.State.Lock/4	390.00
Vanwall Equip/1	710.00
Watchguard.Vide/1	129.00
Willco.Inc/2	4,778.75
Witmer.Public.S/1	1,009.98
WW.Grainger/1	458.18
Travel/Training	
Hy-Vee,Johnston/2	3,227.00
Utilities	
Alliant.Energy/50	38,533.49
I.R.U.A./1	154.86
WoodRiver.Enrgy/2	1,390.20
Wage Assignment	
American.Educa./1	64.41
Arnold.Motor.Su/1	15.83
Collection.Svs./7	1,860.88
Colonial.Life/2	441.50
Family Sup Pay/1	152.31
Fidelity.Securt/2	453.40
I.M.W.C.A/1	5,293.00
I.R.S./6	88,075.00
IA.Treasurer/3	18,425.00
ICMA.457/10	14,267.09
Linn.Co.Sheriff/1	257.42
Total/690	1,515,577.53

CITY OF MARSHALLTOWN BILL LIST

COUNCIL DATE: January 11, 2021

Account Number	Vendor Name	Description (Item)	Amount
Payroll	Payroll	Payroll	\$ 304,263.97
Payroll	Payroll	Payroll	\$ 311,508.28
001.1010.5132.000	ANN'S ALTERATIONS & GIFTS	Hem two pair of pants	\$ 32.00
001.1010.5132.000	GALLS LLC	PD crewneck command sweater- Mauseth	\$ 39.99
001.1010.5132.000	GALLS LLC	Police Dept Sweaters	\$ 154.96
001.1010.5132.000	GALLS LLC	PD PDU shirt - Mauseth	\$ 55.79
001.1010.5132.000	GALLS LLC	PD waterproof boots- Weekley	\$ 154.95
001.1010.5132.000	GALLS LLC	PD Sergeant chevron - Cole	\$ 15.40
001.1010.5132.000	GALLS LLC	PD Duty gear	\$ 389.85
001.1010.5132.000	GALLS LLC	Police Dept Clothing	\$ 635.87
001.1010.5132.000	GALLS LLC	LG Police Dept pins	\$ 11.54
001.1010.5132.000	GALLS LLC	PD clothing - Garland	\$ 252.97
001.1010.5132.000	GALLS LLC	Police Dept clothing - Garcia	\$ 660.82
001.1010.5132.000	Shetler, Dennis	PD sew on chevrons	\$ 32.00
001.1010.5132.000	Shetler, Dennis	PD sew on patches	\$ 8.00
001.1010.5132.000	WATCHGUARD VIDEO	PD Shirt spring clip - Mauseth	\$ 129.00
001.1010.5280.000	IOWA SECRETARY OF STATE	application for notary	\$ 30.00
001.1010.5280.000	IOWA SECRETARY OF STATE	application for notary	\$ 30.00
001.1010.5280.000	IOWA SECRETARY OF STATE	notary application	\$ 30.00
001.1010.5280.000	MID STATE ORGANIZED CRIME	2021 Annual membership fees	\$ 200.00
001.1010.5344.000	KOCH Office Group	PD Copies 9/25-12/24	\$ 282.34
001.1010.5347.000	BDH INFORMATION TECHNOLOGY LLC	Police Dept covert internet service	\$ 79.34
001.1010.5347.000	BDH INFORMATION TECHNOLOGY LLC	Police Dept	\$ 1,266.25
001.1010.5347.000	BDH INFORMATION TECHNOLOGY LLC	Police Dept backup 4500 Veeam and recovery	\$ 38.80
001.1010.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$ 55.48
001.1010.5450.000	CENTURYLINK	ALL PHONE LINES	\$ 108.94
001.1010.5470.000	Johnston Hy-Vee	basic academy meal costs 1 Feb-20 April 2021	\$ 1,613.50
001.1010.5470.000	Johnston Hy-Vee	Basic academy meal costs February-April 2021	\$ 1,613.50
001.1010.5565.000	ARNOLD MOTOR SUPPLY LLP	PD #531 oil filters	\$ 7.82
001.1010.5565.000	ARNOLD MOTOR SUPPLY LLP	PD #531 sway bar link kits	\$ 21.83
001.1010.5565.000	ARNOLD MOTOR SUPPLY LLP	PD vehicle oil filters	\$ 11.73
001.1010.5565.000	ARNOLD MOTOR SUPPLY LLP	PD #500 wipers	\$ 30.52
001.1010.5565.000	ARNOLD MOTOR SUPPLY LLP	PD vehicle filters	\$ 15.83
001.1010.5600.000	RACOM CORPORATION	PD surveillance earpieces	\$ 46.00
001.1010.5600.000	STREICHER'S INC	PD defense irritant spray	\$ 204.20
001.1010.5601.000	ADLAND ENGRAVING CO INC	PD Stevensen plaque & life saving awards	\$ 284.75
001.1030.5481.000	ALLIANT ENERGY	25 N Center St Civil Defense Sirens	\$ 100.00
001.1030.5481.000	ALLIANT ENERGY	Tornado siren	\$ 21.60
001.1050.5132.000	GALLS LLC	Fire Dept McDermott clothing	\$ 93.76
001.1050.5132.000	Panther Uniforms Inc	Firefighter clothing- Case	\$ 635.50
001.1050.5132.000	Shetler, Dennis	Fire Dept 26 beanies with lettering	\$ 234.00
001.1050.5132.000	Witmer Public Safety Group Inc	Firefighter clothing	\$ 1,009.98
001.1050.5413.000	Rasmusson Service Center	Fire Dept 2017 Ford F-550 cable repairs	\$ 500.00
001.1050.5413.000	Rasmusson Service Center	Fire Dept 2017 Ford F-550 cable repairs	\$ 62.31
001.1050.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$ 20.17
001.1050.5450.000	CENTURYLINK	ALL PHONE LINES	\$ 39.62
001.1050.5600.000	MENARDS	Fire Dept -plate staple, wire connectors	\$ 37.51
001.1070.5342.000	Veenstra & Kimms Inc	Building Official/Engineer	\$ 4,564.00
001.1070.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$ 5.04
001.1070.5450.000	CENTURYLINK	ALL PHONE LINES	\$ 9.90
001.1071.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$ 5.04
001.1071.5450.000	CENTURYLINK	ALL PHONE LINES	\$ 9.90
001.1071.5703.000	BDH INFORMATION TECHNOLOGY LLC	FileMaker Housing Pro install & new monitor	\$ 70.00
001.1075.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$ 5.04
001.1075.5450.000	CENTURYLINK	ALL PHONE LINES	\$ 9.90
001.1099.5342.000	STONE SANITATION	Police & Fire Bldg	\$ 118.78
001.1099.5450.000	CENTURYLINK long distance	Long distance lines	\$ 2.56
001.1099.5450.000	CENTURYLINK long distance	Long distance lines	\$ 1.08
001.1099.5481.000	ALLIANT ENERGY	909 S 2nd St Fire & Police Bldg	\$ 3,988.08
001.1099.5482.000	ALLIANT ENERGY	909 S 2nd St Fire & Police Bldg	\$ 373.50
001.1099.5611.000	CRESCENT ELECTRIC SUPPLY CO	Police Dept light switches	\$ 242.24
001.2060.5344.000	RICOH USA INC	Engineering color copies	\$ 12.70

001.2060.5344.000	RICOH USA INC	Engineering BW copies	\$	3.91
001.2080.5481.000	ALLIANT ENERGY	2651 170th St Runway lights	\$	305.71
001.2080.5483.000	Iowa Regional Utilities Assocaition	Airport water usage	\$	154.86
001.2080.5571.000	NUTRIEN AG SOLUTIONS INC	Airport diesel fuel	\$	130.20
001.2090.5220.000	MARSHALLTOWN WATER WORKS	LANDFILL BILLS	\$	246.90
001.4010.5347.000	BDH INFORMATION TECHNOLOGY LLC	Library	\$	633.13
001.4010.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$	10.09
001.4010.5450.000	CENTURYLINK	Library Analog Backup Lines	\$	80.04
001.4010.5450.000	CENTURYLINK	ALL PHONE LINES	\$	19.81
001.4010.5450.000	CENTURYLINK long distance	Long distance lines	\$	1.28
001.4010.5481.000	ALLIANT ENERGY	Library - 105 W Boone St	\$	2,374.26
001.4030.5342.000	ARAMARK UNIFORM SERVICES INC	Riverview Building Cleaning Supplies	\$	21.82
001.4030.5342.000	ARAMARK UNIFORM SERVICES INC	Riverview Building Cleaning Supplies	\$	21.82
001.4030.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$	5.04
001.4030.5450.000	CENTURYLINK	ALL PHONE LINES	\$	9.90
001.4030.5481.000	ALLIANT ENERGY	108 N 2nd Ave Alley - Farmers Market	\$	18.19
001.4030.5481.000	ALLIANT ENERGY	311 E ANSON ST PARK	\$	20.76
001.4030.5481.000	ALLIANT ENERGY	915 S 4th Ave Anson Park	\$	22.50
001.4030.5481.000	ALLIANT ENERGY	BROADMORE Assistance League	\$	13.92
001.4030.5481.000	ALLIANT ENERGY	HIGHLAND ACRES RD	\$	25.29
001.4030.5481.000	ALLIANT ENERGY	KIWANIS PARK	\$	31.33
001.4030.5565.000	BOBCAT OF AMES	Filters, tensioner and belt drive	\$	420.70
001.4030.5565.000	BOBCAT OF AMES	return tensioner purchase idler	\$	(235.42)
001.4030.5565.000	VANWALL EQUIPMENT INC	Lawn mower wrindow	\$	710.00
001.4030.5750.000	MID COUNTRY MACHINERY,INC	2020 Tiger Flail mower attachment	\$	12,134.00
001.4030.5980.000	Gandy, Jessica	Community Bldg rental cancellation	\$	125.00
001.4040.5210.000	TIMES REPUBLICAN	Civil Engineer Asst job posting	\$	54.00
001.4040.5358.000	WICKHAM, MICHAEL L	classes 1/4-2/8/21	\$	420.00
001.4040.5380.000	Salvation Army	Gym Usage for November	\$	700.00
001.4040.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$	5.04
001.4040.5450.000	CENTURYLINK	ALL PHONE LINES	\$	9.90
001.4045.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$	10.09
001.4045.5450.000	CENTURYLINK	ALL PHONE LINES	\$	19.81
001.4045.5481.000	ALLIANT ENERGY	SWIMMING POOL	\$	20.38
001.4060.5331.000	FISHER COMMUNITY CENTER	January 2021	\$	8,333.33
001.4065.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$	5.04
001.4065.5450.000	CENTURYLINK	Coliseum Backup Analog Lines	\$	80.04
001.4065.5450.000	CENTURYLINK	ALL PHONE LINES	\$	9.90
001.4065.5481.000	ALLIANT ENERGY	Coliseum	\$	3,092.23
001.4065.5482.000	ALLIANT ENERGY	Coliseum	\$	1,146.91
001.5010.5342.000	STONE SANITATION	Central Business District	\$	200.00
001.5020.5331.000	MARSHALLTOWN CHAMBER OF COMMERCE	TIF Economic Development per Res 2019-318	\$	12,500.00
001.5900.5331.000	MARSHALLTOWN CHAMBER OF COMMERCE	Tourism & Promotional Services	\$	67,861.02
001.6010.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$	5.04
001.6010.5450.000	CENTURYLINK	ALL PHONE LINES	\$	9.90
001.6011.5600.000	ADLAND ENGRAVING CO INC	Raymond Starks name plate	\$	10.95
001.6012.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$	5.04
001.6012.5450.000	CENTURYLINK	ALL PHONE LINES	\$	9.90
001.6020.5344.000	RICOH USA INC	City Clerk BW copies	\$	26.08
001.6020.5344.000	RICOH USA INC	City Clerk color copies	\$	118.75
001.6020.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$	5.04
001.6020.5450.000	CENTURYLINK	ALL PHONE LINES	\$	9.90
001.6021.5232.000	EIDEBAILLY LLP	Audit work for FY20	\$	13,700.00
001.6021.5344.000	KOCH Office Group	Finance Dept contract copies 9/26-12/25/20	\$	29.18
001.6021.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$	20.23
001.6021.5450.000	CENTURYLINK	ALL PHONE LINES	\$	39.67
001.6025.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$	5.04
001.6025.5450.000	CENTURYLINK	ALL PHONE LINES	\$	9.90
001.6040.5234.000	GRIMES BUCK SCHOELL BEACH & HITCHINS	professional services	\$	3,225.00
001.6050.5342.000	STONE SANITATION	City Hall	\$	118.78
001.6050.5450.000	CENTURYLINK long distance	Long distance lines	\$	2.56
001.6050.5450.000	CENTURYLINK long distance	Long distance lines	\$	4.16
001.6050.5481.000	ALLIANT ENERGY	24 N Center St Municipal Bldg	\$	192.57
001.6051.5481.000	ALLIANT ENERGY	Carnegie Bldg	\$	848.22

001.6051.5482.000	ALLIANT ENERGY	Carnegie Bldg	\$	453.87
001.6070.5342.000	Marco Holdings LLC	voice mail repairs	\$	412.50
001.6070.5342.000	Marco Holdings LLC	DND phone issue repairs	\$	225.00
001.6070.5342.000	Marco Holdings LLC	general set up for all remote calls	\$	300.00
001.6070.5347.000	BDH INFORMATION TECHNOLOGY LLC	Block time of hours	\$	3,165.62
001.6070.5347.000	BDH INFORMATION TECHNOLOGY LLC	open DNS enterprise monthly subscription	\$	313.50
001.6070.5347.000	BDH INFORMATION TECHNOLOGY LLC	Mailfilter Spam/ Firus email filtering	\$	75.00
001.6070.5347.000	BDH INFORMATION TECHNOLOGY LLC	Remote monitoring, desktop service, patches	\$	375.00
001.6070.5347.000	BDH INFORMATION TECHNOLOGY LLC	Veeam monthly subscription for Tyler servers	\$	58.20
001.6070.5703.000	BDH INFORMATION TECHNOLOGY LLC	Webcam for Finance Director	\$	72.00
001.6070.5703.000	BDH INFORMATION TECHNOLOGY LLC	Webcam for Chief Bldg official	\$	72.00
001.6075.5230.000	IOWA VALLEY COMM COLLEGE DIST	FY21 service agreement for cable channel	\$	10,000.00
030.4030.5233.000	CLAPSADDLE GARBER ASSOC INC	Pickleball Pocket Park Project	\$	1,293.60
110.2010.5132.000	CITY LAUNDERING COMPANY	Street dept uniform cleaning	\$	96.50
110.2010.5132.000	CITY LAUNDERING COMPANY	Street dept uniform cleaning	\$	96.50
110.2010.5132.000	CITY LAUNDERING COMPANY	Street dept uniform cleaning	\$	96.50
110.2010.5132.000	THEISENS SUPPLY INC	Street dept gloves, tools, supplies	\$	9.99
110.2010.5342.000	STONE SANITATION	Street Dept	\$	118.78
110.2010.5380.000	AIRGAS USA, LLC	cylinder rentals	\$	45.80
110.2010.5410.000	MCATEE TIRE SALES & SERVICE INC	Street Dept Pickup Duratrac tires	\$	152.40
110.2010.5410.000	TRI STATE LOCK SERVICE	install	\$	(70.00)
110.2010.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$	5.04
110.2010.5450.000	CENTURYLINK	PW Analog 752-7388	\$	48.02
110.2010.5450.000	CENTURYLINK	ALL PHONE LINES	\$	9.90
110.2010.5481.000	ALLIANT ENERGY	1600 S Center St irrigation system	\$	23.20
110.2010.5482.000	WoodRiver Energy LLC	905 E Main St	\$	834.12
110.2010.5489.000	THEISENS SUPPLY INC	Street dept gloves, tools, supplies	\$	99.99
110.2010.5489.000	THEISENS SUPPLY INC	welding glove	\$	12.99
110.2010.5565.000	ARNOLD MOTOR SUPPLY LLP	#55 engine oil filter	\$	16.21
110.2010.5565.000	BOBCAT OF AMES	return tensioner purchase idler	\$	254.19
110.2010.5565.000	MACQUEEN EQUIPMENT	Chain auger	\$	862.79
110.2010.5565.000	MCATEE TIRE SALES & SERVICE INC	Boom truck tire repair	\$	45.00
110.2010.5565.000	MCATEE TIRE SALES & SERVICE INC	Street Dept Pickup Duratrac tires	\$	813.20
110.2010.5565.000	TITAN MACHINERY, INC.	7/8" U Bolt	\$	381.95
110.2010.5600.000	AIRGAS USA, LLC	Street dept regulator parts	\$	102.07
110.2010.5600.000	ARNOLD MOTOR SUPPLY LLP	undercoating and spray paint	\$	16.64
110.2010.5600.000	ARNOLD MOTOR SUPPLY LLP	wire terminals	\$	6.44
110.2010.5600.000	FASTENAL COMPANY	band saw blade	\$	72.87
110.2010.5600.000	GERVICH & SONS INC	Street dept #42 steel	\$	244.20
110.2010.5600.000	GERVICH & SONS INC	Street dept steel	\$	56.30
110.2010.5600.000	GERVICH & SONS INC	Street dept steel	\$	196.80
110.2010.5600.000	MENARDS	lithium batteries	\$	13.08
110.2010.5600.000	NUTRIEN AG SOLUTIONS INC	Street Dept -grease and windshield wash	\$	(29.00)
110.2010.5600.000	NUTRIEN AG SOLUTIONS INC	Street Dept Delvac oil	\$	784.00
110.2010.5600.000	SUPERIOR WELDING SUPPLY	electrode, nozzle, baffle swirl	\$	107.47
110.2010.5600.000	TRI STATE LOCK SERVICE	complex handle	\$	(92.00)
110.2010.5600.000	TRI STATE LOCK SERVICE	Street dept 6 keys	\$	12.00
110.2010.5611.000	BAKER GROUP	PW Bldg parts for air lines	\$	931.63
110.2010.5611.000	MIDWEST OVERHEAD CRANE	PW Bldg annual inspections	\$	660.67
110.2010.5611.000	TRI STATE LOCK SERVICE	PW Bldg knob and lever set	\$	80.00
110.2010.5611.000	TRI STATE LOCK SERVICE	PW Bldg knob and lever set	\$	390.00
110.2010.5621.000	MARTIN MARIETTA MATERIALS	Street dept fill sand	\$	127.74
110.2010.5718.000	SE Jones Industries Inc	22pc punch and chisel set	\$	520.00
110.2010.5718.000	THEISENS SUPPLY INC	Street dept gloves, tools, supplies	\$	38.96
110.2010.5750.000	MID COUNTRY MACHINERY,INC	2020 Tiger Flail mower attachment	\$	2,134.00
110.2012.5779.000	CONSTRUCT INC	ECO20001 Washington St Extension	\$	25,887.06
110.2030.5481.000	ALLIANT ENERGY	17 N Center St metered	\$	24.29
110.2030.5481.000	ALLIANT ENERGY	220 E MAIN ST ALLEY	\$	69.22
110.2030.5481.000	ALLIANT ENERGY	404 1/2 S Center St Viaduct	\$	81.99
110.2030.5481.000	ALLIANT ENERGY	36 E Main St Alley	\$	62.10
110.2030.5481.000	ALLIANT ENERGY	120 E MAIN ST ALLEY	\$	68.85
110.2030.5481.000	ALLIANT ENERGY	MARKET ST BRIDGE LIGHTS	\$	51.35
110.2030.5481.000	ALLIANT ENERGY	3098 LINCOLN WAY SIGN	\$	20.32
110.2030.5481.000	ALLIANT ENERGY	6 S 2nd St Alley	\$	62.23

110.2030.5481.000	ALLIANT ENERGY	36 W MAIN ST ALLEY	\$	62.66
110.2030.5481.000	ALLIANT ENERGY	106 S CENTER ST METERED	\$	38.97
110.2030.5481.000	ALLIANT ENERGY	N CENTER ST & CHURCH ST	\$	32.24
110.2030.5481.000	ALLIANT ENERGY	S 6TH ST	\$	49.53
110.2030.5481.000	ALLIANT ENERGY	1707 Laurel Dr Viaduct Light	\$	33.80
110.2030.5481.000	ALLIANT ENERGY	MARSHALLTOWN	\$	17,352.41
110.2040.5132.000	CITY LAUNDERING COMPANY	uniform cleaning Utility Dept.	\$	49.21
110.2040.5132.000	CITY LAUNDERING COMPANY	uniform cleaning Utility Dept.	\$	49.21
110.2040.5132.000	CITY LAUNDERING COMPANY	uniform cleaning Utility Dept.	\$	49.21
110.2040.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$	5.04
110.2040.5450.000	CENTURYLINK	ALL PHONE LINES	\$	9.90
110.2040.5481.000	ALLIANT ENERGY	2000 S 6TH ST	\$	13.81
110.2040.5481.000	ALLIANT ENERGY	S CENTER ST CNR BOONE	\$	41.34
110.2040.5481.000	ALLIANT ENERGY	S CENTER ST CNR LINN	\$	31.53
110.2040.5481.000	ALLIANT ENERGY	S 3RD AVE CNR LINN	\$	89.97
110.2040.5481.000	ALLIANT ENERGY	E ANSON ST CNR 3RD AVE	\$	50.74
110.2040.5481.000	ALLIANT ENERGY	S CENTER ST CNR ANSON	\$	62.37
110.2040.5481.000	ALLIANT ENERGY	W High St & S 6th St	\$	27.62
110.2040.5481.000	ALLIANT ENERGY	S 1ST AVE & E ANSON	\$	56.95
110.2040.5481.000	ALLIANT ENERGY	S 6TH ST CNR OLIVE	\$	33.23
110.2040.5481.000	ALLIANT ENERGY	S CENTER ST & SOUTH ST	\$	35.84
110.2040.5481.000	ALLIANT ENERGY	S CENTER ST CNR OLIVE	\$	40.51
110.2040.5481.000	ALLIANT ENERGY	W Meadowlane cnr Center	\$	41.14
110.2040.5481.000	ALLIANT ENERGY	Westwood Dr cnr Center	\$	34.98
110.2040.5600.000	ALLIED ELECTRONICS INC	ethernet connector	\$	128.14
110.2040.5600.000	WW GRAINGER	flammable safety cabinet	\$	458.18
110.2050.5565.000	ARNOLD MOTOR SUPPLY LLP	#55 engine oil filter	\$	8.10
110.2050.5565.000	CENTRAL IOWA MACHINE SHOP INC	snow blower bushings	\$	106.25
110.2050.5565.000	CENTRAL IOWA MACHINE SHOP INC	snow plow cutting edge and deflector	\$	1,249.00
110.2050.5565.000	OHALLORAN INTERNATIONAL, INC.	vehicle #49 rear view mirror	\$	477.64
110.2060.5210.000	TIMES REPUBLICAN	Civil Engineer Asst job posting	\$	54.00
110.2060.5230.000	Bolton & Menk Inc	Professional services 10/31-11/27/20	\$	855.00
110.2060.5347.000	Marshall County IT Dept	GIS data subscription 1 year	\$	5,000.00
110.2060.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$	5.04
110.2060.5450.000	CENTURYLINK	ALL PHONE LINES	\$	9.90
110.2060.5565.000	ARNOLD MOTOR SUPPLY LLP	Engineering vehicle air door acuator	\$	20.41
130.1050.5750.000	Klaas, James	Fire dept 2021 red trailer	\$	5,500.00
132.5020.5331.000	Blabaum, John	Dev agreement 19-CTBF-003 for 18 W Main St	\$	59,354.47
140.4030.5718.000	KAY PARK-REC CORP	countour bench frames w/recycled plastic	\$	982.00
142.4030.5481.000	ALLIANT ENERGY	800 S 6TH ST	\$	98.84
145.2060.5342.000	CONSTRUCT INC	FEMA18004 Street Repair	\$	68,848.69
149.2010.5342.000	CONSTRUCT INC	remove tree stump @ 6th & Ingeldue	\$	200.00
149.2010.5342.000	Thorp, Robert W	FEMA Terraces-EQUIPMENT	\$	68,748.38
149.2010.5342.000	Thorp, Robert W	FEMA Terraces- LABOR	\$	27,125.37
149.2010.5342.000	Thorp, Robert W	FEMA Terraces EQUIPMENT	\$	10,317.23
149.2010.5342.000	Thorp, Robert W	FEMA Terraces LABOR	\$	3,962.97
184.5030.5238.000	Housing & Redev. Authority of St Cloud	ADMIN FEE	\$	40.65
184.5030.5238.000	Houston Housing Authority	ADMIN FEE	\$	40.65
184.5030.5242.000	ACKLEY HOUSING INC	Housing Assitance Payment	\$	113.00
184.5030.5242.000	ACKLEY HOUSING INC	Housing Assistance Payment	\$	155.00
184.5030.5242.000	ACKLEY HOUSING INC	Housing Assistance Payment	\$	180.00
184.5030.5242.000	ACKLEY HOUSING INC	Housing Assistance Payment	\$	238.00
184.5030.5242.000	Alcala, Rigoberto	Housing Assistance Payment	\$	184.00
184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	347.00
184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	350.00
184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	282.00
184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	245.00
184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	214.00
184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	202.00
184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	168.00
184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	46.00
184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	361.00
184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	341.00
184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	341.00

184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	341.00
184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	341.00
184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	341.00
184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	328.00
184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	322.00
184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	318.00
184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	300.00
184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	347.00
184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	347.00
184.5030.5242.000	AMES, STEVEN	Housing Assistance Payment	\$	347.00
184.5030.5242.000	Bahr, Larry	Housing Assistance Payment	\$	271.00
184.5030.5242.000	Barnes, Lonnie	Housing Assistance Payment	\$	295.00
184.5030.5242.000	Barnes, Lonnie	Housing Assistance Payment	\$	217.00
184.5030.5242.000	Benscoter, Aaron	Housing Assistance Payment	\$	507.00
184.5030.5242.000	BJ&J LLC	Housing Assistance Payment	\$	257.00
184.5030.5242.000	BLOOD, ALEX	Housing Assistance Payment	\$	344.00
184.5030.5242.000	BLOOD, ALEX	Housing Assistance Payment	\$	337.00
184.5030.5242.000	Borota, Kent	Housing Assistance Payment	\$	270.00
184.5030.5242.000	Borota, Kent	Housing Assistance Payment	\$	322.00
184.5030.5242.000	BOULDER COOPERATIVE HOUSING ASSN	Housing Assistance Payment	\$	608.00
184.5030.5242.000	BOULDER COOPERATIVE HOUSING ASSN	Housing Assistance Payment	\$	139.00
184.5030.5242.000	BOULDER COOPERATIVE HOUSING ASSN	Housing Assistance Payment	\$	18.00
184.5030.5242.000	BOULDER COOPERATIVE HOUSING ASSN	Housing Assistance Payment	\$	206.00
184.5030.5242.000	BRODIN, CHRIS	Housing Assistance Payment	\$	135.00
184.5030.5242.000	BROWN, BETTY	Housing Assistance Payment	\$	169.00
184.5030.5242.000	BRYNGELSON CORP	Housing Assistance Payment	\$	327.00
184.5030.5242.000	BRYNGELSON CORP	Housing Assistance Payment	\$	375.00
184.5030.5242.000	Buckaroo LLC	Housing Assistance Payment	\$	310.00
184.5030.5242.000	Buckaroo LLC	Housing Assistance Payment	\$	379.00
184.5030.5242.000	Bunch, John	Housing Assistance Payment	\$	278.00
184.5030.5242.000	Burr, Robert	Housing Assistance Payment	\$	265.00
184.5030.5242.000	CENTRAL IOWA RESIDENTIAL SERV INC	Housing Assistance Payment	\$	133.00
184.5030.5242.000	CENTRAL IOWA RESIDENTIAL SERV INC	Housing Assistance Payment	\$	121.00
184.5030.5242.000	CENTRAL IOWA RESIDENTIAL SERV INC	Housing Assistance Payment	\$	115.00
184.5030.5242.000	CENTRAL IOWA RESIDENTIAL SERV INC	Housing Assistance Payment	\$	102.00
184.5030.5242.000	CENTRAL IOWA RESIDENTIAL SERV INC	Housing Assistance Payment	\$	102.00
184.5030.5242.000	CENTRAL IOWA RESIDENTIAL SERV INC	Housing Assistance Payment	\$	96.00
184.5030.5242.000	CENTRAL IOWA RESIDENTIAL SERV INC	Housing Assistance Payment	\$	92.00
184.5030.5242.000	CENTRAL IOWA RESIDENTIAL SERV INC	Housing Assistance Payment	\$	58.00
184.5030.5242.000	Charlier, Quinten	Housing Assistance Payment	\$	133.00
184.5030.5242.000	CHILTON, Michael	Housing Assistance Payment	\$	450.00
184.5030.5242.000	CMHC Investments LLC	Housing Assistance Payment	\$	247.00
184.5030.5242.000	DJ RENTALS COOPERATIVE	Housing Assistance Payment	\$	430.00
184.5030.5242.000	DOUBLE D ENTERPRISE	Housing Assistance Payment	\$	423.00
184.5030.5242.000	EAKIN, Robert	Housing Assistance Payment	\$	182.00
184.5030.5242.000	Ecklor, Shane	Housing Assistance Payment	\$	69.00
184.5030.5242.000	Ecklor, Shane	Housing Assistance Payment	\$	341.00
184.5030.5242.000	Ecklor, Shane	Housing Assistance Payment	\$	343.00
184.5030.5242.000	ELWAYNE INC	Housing Assistance Payment	\$	462.00
184.5030.5242.000	ELWAYNE INC	Housing Assistance Payment	\$	312.00
184.5030.5242.000	ELWAYNE INC	Housing Assistance Payment	\$	303.00
184.5030.5242.000	ELWAYNE INC	Housing Assistance Payment	\$	172.00
184.5030.5242.000	EPM Iowa LLC	Housing Assistance Payment	\$	270.00
184.5030.5242.000	EPM Iowa LLC	Housing Assistance Payment	\$	239.00
184.5030.5242.000	ETTER, WILLIAM	Housing Assistance Payment	\$	482.00
184.5030.5242.000	EUBANKS, CHAD	Housing Assistance Payment	\$	223.00
184.5030.5242.000	EUBANKS, CHAD	Housing Assistance Payment	\$	301.00
184.5030.5242.000	EUBANKS, CHAD	Housing Assistance Payment	\$	318.00
184.5030.5242.000	Frazier, Jeffrey G	Housing Assistance Payment	\$	170.00
184.5030.5242.000	FRESE PROPERTIES LLC	Housing Assistance Payment	\$	255.00
184.5030.5242.000	FRESE PROPERTIES LLC	Housing Assistance Payment	\$	319.00
184.5030.5242.000	FRESE PROPERTIES LLC	Housing Assistance Payment	\$	243.00
184.5030.5242.000	FRIEND, THOMAS J	Housing Assistance Payment	\$	234.00
184.5030.5242.000	FRIENDLY VALLEY APARTMENTS INC	Housing Assistance Payment	\$	200.00

184.5030.5242.000	FRIENDLY VALLEY APARTMENTS INC	Housing Assistance Payment	\$	141.00
184.5030.5242.000	FRIENDLY VALLEY APARTMENTS INC	Housing Assistance Payment	\$	134.00
184.5030.5242.000	FRIENDLY VALLEY APARTMENTS INC	Housing Assistance Payment	\$	81.00
184.5030.5242.000	Gonzales, Gilbert	Housing Assistance Payment	\$	528.00
184.5030.5242.000	GOSSARD MOBILE HOMES INC	Housing Assistance Payment	\$	284.00
184.5030.5242.000	GRANT PARK LLC	Housing Assistance Payment	\$	296.00
184.5030.5242.000	GRANT PARK LLC	Housing Assistance Payment	\$	291.00
184.5030.5242.000	GRANT PARK LLC	Housing Assistance Payment	\$	288.00
184.5030.5242.000	GRANT PARK LLC	Housing Assistance Payment	\$	280.00
184.5030.5242.000	GRANT PARK LLC	Housing Assistance Payment	\$	248.00
184.5030.5242.000	GRANT PARK LLC	Housing Assistance Payment	\$	191.00
184.5030.5242.000	GRANT PARK LLC	Housing Assistance Payment	\$	337.00
184.5030.5242.000	GRANT PARK LLC	Housing Assistance Payment	\$	337.00
184.5030.5242.000	GRANT PARK LLC	Housing Assistance Payment	\$	336.00
184.5030.5242.000	GRANT PARK LLC	Housing Assistance Payment	\$	324.00
184.5030.5242.000	GRANT PARK LLC	Housing Assistance Payment	\$	320.00
184.5030.5242.000	GRANT PARK LLC	Housing Assistance Payment	\$	156.00
184.5030.5242.000	GRANT PARK LLC	Housing Assistance Payment	\$	139.00
184.5030.5242.000	GRANT PARK LLC	Housing Assistance Payment	\$	131.00
184.5030.5242.000	GRANT PARK LLC	Housing Assistance Payment	\$	131.00
184.5030.5242.000	GRANT PARK LLC	Housing Assistance Payment	\$	116.00
184.5030.5242.000	GRANT PARK LLC	Housing Assistance Payment	\$	86.00
184.5030.5242.000	GRANT PARK LLC	Housing Assistance Payment	\$	330.00
184.5030.5242.000	GRAY, DENNIS	Housing Assistance Payment	\$	550.00
184.5030.5242.000	HALA, JANET	Housing Assistance Payment	\$	214.00
184.5030.5242.000	HALA, JANET	Housing Assistance Payment	\$	331.00
184.5030.5242.000	HALA, JANET	Housing Assistance Payment	\$	325.00
184.5030.5242.000	HARRIS, TOM	Housing Assistance Payment	\$	324.00
184.5030.5242.000	HATCH, JAMES	Housing Assistance Payment	\$	475.00
184.5030.5242.000	HATCH, Roger	Housing Assistance Payment	\$	663.00
184.5030.5242.000	HATCH, Roger	Housing Assistance Payment	\$	172.00
184.5030.5242.000	HATCH, Roger	Housing Assistance Payment	\$	297.00
184.5030.5242.000	HATCH, Roger	Housing Assistance Payment	\$	316.00
184.5030.5242.000	HATCH, Roger	Housing Assistance Payment	\$	552.00
184.5030.5242.000	Henriksen, Heidi	Housing Assistance Payment	\$	208.00
184.5030.5242.000	HESSENIUS, ROBERT	Housing Assistance Payment	\$	162.00
184.5030.5242.000	HESSENIUS, ROBERT	Housing Assistance Payment	\$	119.00
184.5030.5242.000	HILLTOP VILLAGE INC	Housing Assistance Payment	\$	201.00
184.5030.5242.000	HILLTOP VILLAGE INC	Housing Assistance Payment	\$	229.00
184.5030.5242.000	HILLTOP VILLAGE INC	Housing Assistance Payment	\$	116.00
184.5030.5242.000	HILLTOP VILLAGE INC	Housing Assistance Payment	\$	105.00
184.5030.5242.000	HILLTOP VILLAGE INC	Housing Assistance Payment	\$	206.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	251.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	232.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	222.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	103.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	208.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	175.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	358.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	347.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	283.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	264.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	264.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	258.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	439.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	402.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	369.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	360.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	162.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	156.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	112.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	439.00
184.5030.5242.000	HISTORIC TALLCORN TOWERS LLP	Housing Assistance Payment	\$	235.00
184.5030.5242.000	HOBSON, WILLIAM L	Housing Assistance Payment	\$	164.00

184.5030.5242.000	Hodges, Kristin	Housing Assistance Payment	\$	294.00
184.5030.5242.000	Housing & Redev. Authority of St Cloud	Housing Assistance Payment	\$	462.00
184.5030.5242.000	Houston Housing Authority	Housing Assistance Payment	\$	1,071.00
184.5030.5242.000	HUBBARD MAPLE ST APTS, LLC	Housing Assistance Payment	\$	195.00
184.5030.5242.000	HUBBARD MAPLE ST APTS, LLC	Housing Assistance Payment	\$	174.00
184.5030.5242.000	Ibarra, Samuel	Housing Assistance Payment	\$	144.00
184.5030.5242.000	Iowa Pheasant Apartments LLC	Housing Assistance Payment	\$	201.00
184.5030.5242.000	Iowa Pheasant Apartments LLC	Housing Assistance Payment	\$	309.00
184.5030.5242.000	Iowa Pheasant Apartments LLC	Housing Assistance Payment	\$	275.00
184.5030.5242.000	Iowa Pheasant Apartments LLC	Housing Assistance Payment	\$	241.00
184.5030.5242.000	JARED, SHEILA	Housing Assistance Payment	\$	162.00
184.5030.5242.000	JBH COOP ASSOCIATION	Housing Assistance Payment	\$	247.00
184.5030.5242.000	JBH COOP ASSOCIATION	Housing Assistance Payment	\$	184.00
184.5030.5242.000	JDL Rentals Cooperative	Housing Assistance Payment	\$	845.00
184.5030.5242.000	Johnson, Sandra	Housing Assistance Payment	\$	550.00
184.5030.5242.000	JUDGE, MIKE	Housing Assistance Payment	\$	273.00
184.5030.5242.000	JUDGE, MIKE	Housing Assistance Payment	\$	133.00
184.5030.5242.000	JUDGE, MIKE	Housing Assistance Payment	\$	750.00
184.5030.5242.000	JUDGE, MIKE	Housing Assistance Payment	\$	441.00
184.5030.5242.000	JUDGE, MIKE	Housing Assistance Payment	\$	363.00
184.5030.5242.000	Klinefelter, Richard J	Housing Assistance Payment	\$	450.00
184.5030.5242.000	Kowalik, John	Housing Assistance Payment	\$	132.00
184.5030.5242.000	LAWSON, RODNEY W	Housing Assistance Payment	\$	252.00
184.5030.5242.000	LAWSON, RODNEY W	Housing Assistance Payment	\$	101.00
184.5030.5242.000	LAWTHERS PROPERTY MANAGEMENT	Housing Assistance Payment	\$	460.00
184.5030.5242.000	LAWTHERS PROPERTY MANAGEMENT	Housing Assistance Payment	\$	257.00
184.5030.5242.000	LBO INVESTMENTS	Housing Assistance Payment	\$	360.00
184.5030.5242.000	Lopez, Jaime	Housing Assistance Payment	\$	347.00
184.5030.5242.000	Luense, Brant	Housing Assistance Payment	\$	398.00
184.5030.5242.000	Luense, Brant	Housing Assistance Payment	\$	299.00
184.5030.5242.000	Luense, Brant	Housing Assistance Payment	\$	253.00
184.5030.5242.000	Luense, Brant	Housing Assistance Payment	\$	488.00
184.5030.5242.000	Luense, Brant	Housing Assistance Payment	\$	489.00
184.5030.5242.000	Mansager, Cynthia	Housing Assistance Payment	\$	175.00
184.5030.5242.000	Marion Manor 2	Housing Assistance Payment	\$	559.00
184.5030.5242.000	MATNEY, LYLE	Housing Assistance Payment	\$	331.00
184.5030.5242.000	Miller, Phyllis	Housing Assistance Payment	\$	148.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	209.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	196.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	191.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	187.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	176.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	164.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	238.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	238.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	231.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	228.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	226.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	212.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	394.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	281.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	267.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	261.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	154.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	123.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	109.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	99.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	83.00
184.5030.5242.000	MTOWN/WESTOWN LLLP	Housing Assistance Payment	\$	60.00
184.5030.5242.000	MURPHY, Peter	Housing Assistance Payment	\$	188.00
184.5030.5242.000	Naughton, Richard	Housing Assistance Payment	\$	825.00
184.5030.5242.000	Nelson, LaNeal	Housing Assistance Payment	\$	306.00
184.5030.5242.000	NELSON, LINDA M & RICKY G	Housing Assistance Payment	\$	279.00
184.5030.5242.000	Nichols, Timothy	Housing Assistance Payment	\$	318.00

184.5030.5242.000	NORTH TAMA HOUSING, INC	Housing Assistance Payment	\$	148.00
184.5030.5242.000	NORTH TAMA HOUSING, INC	Housing Assistance Payment	\$	143.00
184.5030.5242.000	OETKER, DEBRA	Housing Assistance Payment	\$	306.00
184.5030.5242.000	OETKER, DEBRA	Housing Assistance Payment	\$	255.00
184.5030.5242.000	OETKER, DEBRA	Housing Assistance Payment	\$	255.00
184.5030.5242.000	OETKER, DEBRA	Housing Assistance Payment	\$	159.00
184.5030.5242.000	OETKER, DEBRA	Housing Assistance Payment	\$	86.00
184.5030.5242.000	PALISADE HOLDING CO	Housing Assistance Payment	\$	143.00
184.5030.5242.000	PARK ELMS LLC	Housing Assistance Payment	\$	109.00
184.5030.5242.000	PARK ELMS LLC	Housing Assistance Payment	\$	132.00
184.5030.5242.000	Pilot Creek Properties	Housing Assistance Payment	\$	152.00
184.5030.5242.000	Premier Real Estate Mgmnt	Housing Assistance Payment	\$	332.00
184.5030.5242.000	Premier Real Estate Mgmnt	Housing Assistance Payment	\$	1,071.00
184.5030.5242.000	Premier Real Estate Mgmnt	Housing Assistance Payment	\$	698.00
184.5030.5242.000	Premier Real Estate Mgmnt	Housing Assistance Payment	\$	665.00
184.5030.5242.000	Premier Real Estate Mgmnt	Housing Assistance Payment	\$	665.00
184.5030.5242.000	Premier Real Estate Mgmnt	Housing Assistance Payment	\$	480.00
184.5030.5242.000	Premier Real Estate Mgmnt	Housing Assistance Payment	\$	327.00
184.5030.5242.000	Premier Real Estate Mgmnt	Housing Assistance Payment	\$	299.00
184.5030.5242.000	Premier Real Estate Mgmnt	Housing Assistance Payment	\$	259.00
184.5030.5242.000	PYLE, DAVID M	Housing Assistance Payment	\$	347.00
184.5030.5242.000	RD TOLEDO LLP	Housing Assistance Payment	\$	689.00
184.5030.5242.000	RD TOLEDO LLP	Housing Assistance Payment	\$	155.00
184.5030.5242.000	Ream, AJ	Housing Assistance Payment	\$	368.00
184.5030.5242.000	REED, TONY	Housing Assistance Payment	\$	495.00
184.5030.5242.000	REED, TONY	Housing Assistance Payment	\$	374.00
184.5030.5242.000	REED, TONY	Housing Assistance Payment	\$	319.00
184.5030.5242.000	REED, TONY	Housing Assistance Payment	\$	314.00
184.5030.5242.000	REED, TONY	Housing Assistance Payment	\$	289.00
184.5030.5242.000	REED, TONY	Housing Assistance Payment	\$	248.00
184.5030.5242.000	RIVER BIRCH APTS	Housing Assistance Payment	\$	96.00
184.5030.5242.000	RIVER BIRCH APTS	Housing Assistance Payment	\$	244.00
184.5030.5242.000	RIVER BIRCH APTS	Housing Assistance Payment	\$	357.00
184.5030.5242.000	RIVER BIRCH APTS	Housing Assistance Payment	\$	381.00
184.5030.5242.000	RIVER BIRCH APTS	Housing Assistance Payment	\$	579.00
184.5030.5242.000	RIVER OAKS APARTMENTS	Housing Assistance Payment	\$	405.00
184.5030.5242.000	RIVER OAKS APARTMENTS	Housing Assistance Payment	\$	387.00
184.5030.5242.000	RIVER OAKS APARTMENTS	Housing Assistance Payment	\$	353.00
184.5030.5242.000	RIVER OAKS APARTMENTS	Housing Assistance Payment	\$	284.00
184.5030.5242.000	RIVER OAKS APARTMENTS	Housing Assistance Payment	\$	276.00
184.5030.5242.000	RIVER OAKS APARTMENTS	Housing Assistance Payment	\$	730.00
184.5030.5242.000	RIVER OAKS APARTMENTS	Housing Assistance Payment	\$	605.00
184.5030.5242.000	RIVER OAKS APARTMENTS	Housing Assistance Payment	\$	506.00
184.5030.5242.000	RIVER OAKS APARTMENTS	Housing Assistance Payment	\$	492.00
184.5030.5242.000	RIVER OAKS APARTMENTS	Housing Assistance Payment	\$	458.00
184.5030.5242.000	Rush, Ryan	Housing Assistance Payment	\$	195.00
184.5030.5242.000	S & E INVESTMENT LLC	Housing Assistance Payment	\$	394.00
184.5030.5242.000	S & E INVESTMENT LLC	Housing Assistance Payment	\$	255.00
184.5030.5242.000	SCHMIDT, Michael T	Housing Assistance Payment	\$	418.00
184.5030.5242.000	SCOTT, LESLIE	Housing Assistance Payment	\$	434.00
184.5030.5242.000	SESKER, RICK	Housing Assistance Payment	\$	182.00
184.5030.5242.000	SPECHT, GREGORY	Housing Assistance Payment	\$	255.00
184.5030.5242.000	Squire, Bert	Housing Assistance Payment	\$	194.00
184.5030.5242.000	STEELSMITH, GREG	Housing Assistance Payment	\$	87.00
184.5030.5242.000	STEELSMITH, GREG	Housing Assistance Payment	\$	335.00
184.5030.5242.000	STEELSMITH, GREG	Housing Assistance Payment	\$	265.00
184.5030.5242.000	Stone, Sarah	Housing Assistance Payment	\$	491.00
184.5030.5242.000	SUNRISE APARTMENTS, INC	Housing Assistance Payment	\$	112.00
184.5030.5242.000	SUNRISE APARTMENTS, INC	Housing Assistance Payment	\$	26.00
184.5030.5242.000	SWITZER, TOM	Housing Assistance Payment	\$	485.00
184.5030.5242.000	SWITZER, TOM	Housing Assistance Payment	\$	403.00
184.5030.5242.000	TITUS, TROY	Housing Assistance Payment	\$	95.00
184.5030.5242.000	TITUS, TROY	Housing Assistance Payment	\$	347.00
184.5030.5242.000	Town Apartments Corporation	Housing Assistance Payment	\$	81.00

184.5030.5242.000	Town Apartments Corporation	Housing Assistance Payment	\$ 97.00
184.5030.5242.000	Town Apartments Corporation	Housing Assistance Payment	\$ 113.00
184.5030.5242.000	V&C INVESTMENTS LC	Housing Assistance Payment	\$ 312.00
184.5030.5242.000	V&C INVESTMENTS LC	Housing Assistance Payment	\$ 298.00
184.5030.5242.000	V&C INVESTMENTS LC	Housing Assistance Payment	\$ 249.00
184.5030.5242.000	V&C INVESTMENTS LC	Housing Assistance Payment	\$ 246.00
184.5030.5242.000	V&C INVESTMENTS LC	Housing Assistance Payment	\$ 244.00
184.5030.5242.000	V&C INVESTMENTS LC	Housing Assistance Payment	\$ 403.00
184.5030.5242.000	V&C INVESTMENTS LC	Housing Assistance Payment	\$ 48.00
184.5030.5242.000	V&C INVESTMENTS LC	Housing Assistance Payment	\$ 97.00
184.5030.5242.000	Van Voorst, Maya	Housing Assistance Payment	\$ 228.00
184.5030.5242.000	VEST, LARRY	Housing Assistance Payment	\$ 48.00
184.5030.5242.000	WARDEN, RICHARD	Housing Assistance Payment	\$ 647.00
184.5030.5242.000	WEATHERLY, ERIN & BOB	Housing Assistance Payment	\$ 434.00
184.5030.5242.000	WEATHERLY, ERIN & BOB	Housing Assistance Payment	\$ 128.00
184.5030.5242.000	WEATHERLY, ERIN & BOB	Housing Assistance Payment	\$ 327.00
184.5030.5242.000	Worent Inc	Housing Assistance Payment	\$ 254.00
184.5030.5242.000	ZA Properties LLC	Housing Assistance Payment	\$ 495.00
184.5030.5242.000	ZA Properties LLC	Housing Assistance Payment	\$ 294.00
184.5030.5242.000	Zmolek, Mark	Housing Assistance Payment	\$ 253.00
184.5030.5246.000	Aponte, Miguel	Housing Assistance Payment	\$ 27.00
184.5030.5246.000	Danner, Marisha	Housing Assistance Payment	\$ 7.00
184.5030.5246.000	Goken, Briana	Housing Assistance Payment	\$ 7.00
184.5030.5246.000	Kastein, Elizabeth	Housing Assistance Payment	\$ 43.00
184.5030.5246.000	MANNEH, NANCY	Housing Assistance Payment	\$ 43.00
184.5030.5246.000	Mello, Allison	Housing Assistance Payment	\$ 29.00
184.5030.5246.000	Mello, Allison	Housing Assistance Payment	\$ 29.00
184.5030.5246.000	Moran-Million, Jade	Housing Assistance Payment	\$ 35.00
184.5030.5246.000	Scharpenter, Beth	Housing Assistance Payment	\$ 13.00
184.5030.5246.000	Thawn Neng	Housing Assistance Payment	\$ 63.00
184.5030.5344.000	PREMIER OFFICE EQUIPMENT	Housing dept copies	\$ 50.09
184.5030.5344.000	PREMIER OFFICE EQUIPMENT	Housing dept copies	\$ 50.09
184.5030.5347.000	MRI Software LLC	credit on account	\$ (470.00)
184.5030.5347.000	MRI Software LLC	Annual Subscription Renewal	\$ 12,138.41
184.5030.5347.000	MRI Software LLC	Annual Saas Renewal	\$ 660.45
184.5030.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$ 10.09
184.5030.5450.000	CENTURYLINK	ALL PHONE LINES	\$ 19.81
184.5030.5703.000	BDH INFORMATION TECHNOLOGY LLC	FileMaker Housing Pro install & new monitor	\$ 70.00
184.5030.5703.000	BDH INFORMATION TECHNOLOGY LLC	Webcam Section 8 Housing Admin	\$ 72.00
189.3040.5347.000	MRI Software LLC	Annual Saas Renewal (Rehab Pro Direct)	\$ 2,133.96
189.3040.5410.000	FEXSTEVE LIMITED CO	1909 W State St Marshalltown	\$ 8,450.00
189.3040.5415.000	FEXSTEVE LIMITED CO	1909 W State St Marshalltown	\$ 5,000.00
189.3040.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$ 5.04
189.3040.5450.000	CENTURYLINK	ALL PHONE LINES	\$ 9.90
311.2012.5233.000	Bolton & Menk Inc	Project Coordination	\$ 46.50
311.2012.5233.000	Bolton & Menk Inc	Design	\$ 5,755.00
311.2012.5233.000	Bolton & Menk Inc	Storm Water Planning, Analysis & Design	\$ 6,487.50
312.2080.5233.000	CLAPSADDLE GARBER ASSOC INC	APR19002 Airport Terminal paving	\$ 1,672.00
312.2080.5233.000	CLAPSADDLE GARBER ASSOC INC	APR19002 Airport Vault Improvements	\$ 3,193.46
340.4030.5233.000	CLAPSADDLE GARBER ASSOC INC	TRL17001 Iowa River Trail Summit-Radio Tower	\$ 540.00
355.1075.5230.000	MARSHALL COUNTY ABSTRACT CO	title certificate 406 W Linn St	\$ 125.00
355.1075.5250.000	MARSHALL COUNTY ABSTRACT CO	title Binford Park Manor Addition	\$ 125.00
355.1075.5342.000	BJELLAND PLUMBING INC	412 N 3rd St	\$ 3,301.20
355.1075.5342.000	BJELLAND PLUMBING INC	506 E Boone St	\$ 2,438.20
355.1075.5342.000	BJELLAND PLUMBING INC	908 S 6th Ave	\$ 1,711.20
360.4030.5233.000	Bolton & Menk Inc	West End Park Improvements - Phase I	\$ 540.00
360.4030.5342.000	Caliber Concrete LLC	West End Park Phase 1	\$ 5,392.20
362.2012.5233.000	Bolton & Menk Inc	Professional Services - UPRR Quiet Zone Creation	\$ 1,488.00
381.2011.5233.000	CLAPSADDLE GARBER ASSOC INC	TRL19002 12th Ave Shared Use Path Services	\$ 531.00
383.4065.5230.000	GTG Architects LLC	Coliseum Architect Contract for Renovation	\$ 7,711.23
383.4065.5230.000	Terracon Consultants Inc	Coliseum concrete testing and management	\$ 1,954.00
383.4065.5703.000	BDH INFORMATION TECHNOLOGY LLC	48 Port Switch; managed PoE+, Gigabit switch	\$ 995.15
383.4065.5703.000	BDH INFORMATION TECHNOLOGY LLC	Camera NVR	\$ 228.26
383.4065.5703.000	BDH INFORMATION TECHNOLOGY LLC	Wide angle 1080p Full HD IP slim dome camera	\$ 2,215.20

383.4065.5703.000	BDH INFORMATION TECHNOLOGY LLC	1920x1200 5500 ANSI projector	\$	2,312.78
383.4065.5703.000	BDH INFORMATION TECHNOLOGY LLC	large projector guard security cage	\$	426.24
383.4065.5703.000	BDH INFORMATION TECHNOLOGY LLC	10GBase-LR SFP+ Transceiver	\$	624.38
383.4065.5703.000	BDH INFORMATION TECHNOLOGY LLC	projector ceiling mount kit	\$	266.04
383.4065.5703.000	BDH INFORMATION TECHNOLOGY LLC	4TB 2.5" hard drive	\$	215.89
383.4065.5703.000	BDH INFORMATION TECHNOLOGY LLC	1440p IP camera, Wall/ceiling/pole mount LEDS	\$	1,857.20
383.4065.5703.000	BDH INFORMATION TECHNOLOGY LLC	Custom configured mini PC's	\$	4,933.86
383.4065.5703.000	BDH INFORMATION TECHNOLOGY LLC	1500 VA/1350 W, 120 AC, 2 rack mountable UPS	\$	791.94
383.4065.5703.000	BDH INFORMATION TECHNOLOGY LLC	4K HDMI cable with signal booster	\$	85.19
383.4065.5703.000	BDH INFORMATION TECHNOLOGY LLC	1 ft slim Cat6 ethernet patch cable-blue	\$	57.12
383.4065.5703.000	BDH INFORMATION TECHNOLOGY LLC	Enterprise wireless AC access point	\$	653.64
383.4065.5703.000	BDH INFORMATION TECHNOLOGY LLC	Environmental Sensor-temp and humidity monitor	\$	130.80
383.4065.5703.000	BDH INFORMATION TECHNOLOGY LLC	NVR Rackmount bracket	\$	154.08
383.4065.5703.000	BDH INFORMATION TECHNOLOGY LLC	1ft slim Cat6 ethernet patch cable- yellow	\$	49.98
383.4065.5703.000	BDH INFORMATION TECHNOLOGY LLC	1ft slim Cat6 ethernet patch cable- orange	\$	14.28
383.4065.5703.000	BDH INFORMATION TECHNOLOGY LLC	1ft slim Cat6 ethernet patch cable - gray	\$	47.60
383.4065.5703.000	BDH INFORMATION TECHNOLOGY LLC	Fiber Optic Cable, LC/LC, multimode, duplex	\$	18.28
395.5020.5233.000	McClure Engineering Co	services 11/29-12/26 E Merle Hibbs Blvd	\$	670.00
395.5020.5233.000	McClure Engineering Co	Construction staking	\$	4,125.00
610.8015.5220.000	MARSHALLTOWN WATER WORKS	Sanitary Collections Costs	\$	8,045.43
610.8015.5342.000	INDEPENDENT AG SERVICES LLC	fall 2020 biogas soil sampling	\$	1,230.26
610.8015.5342.000	STONE SANITATION	Waste Plant	\$	118.78
610.8015.5344.000	XEROX CORPORATION	Dec 2020 Xerox and copies	\$	108.42
610.8015.5360.000	YRC	freight-SBR decant valve acuator repair	\$	145.00
610.8015.5380.000	SCHARNWEBER WATER CONDITIONING INC	Dec 2020 water softener lease	\$	27.00
610.8015.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$	15.13
610.8015.5450.000	CENTURYLINK	WPCP Backup Analog 752-9779	\$	80.04
610.8015.5450.000	CENTURYLINK	ALL PHONE LINES	\$	29.71
610.8015.5450.000	CENTURYLINK long distance	Long distance lines	\$	2.56
610.8015.5481.000	ALLIANT ENERGY	1001 WOODLAND ST DISP PLANT	\$	6,438.41
610.8015.5600.000	AIR FILTER SALES & SERVICE	AMU air filters	\$	610.13
610.8015.5600.000	BRENNTAG GREAT LAKES LLC	prelim. dumpster bagged lime	\$	1,803.20
610.8015.5600.000	IOWA WATER MANAGEMENT CORP	boiler/compressor filter bags	\$	390.00
610.8015.5600.000	WILLCO, INC	gas ball pinch valves repl. sleeves	\$	4,398.75
610.8015.5600.000	WILLCO, INC	SBR plant water repair kit	\$	380.00
610.8015.5603.000	KEYSTONE LAB INC	lab analysis- sludge hauling	\$	154.00
610.8015.5603.000	MIDLAND SCIENTIFIC INC	WPCP lab supplies	\$	31.16
610.8015.5603.000	MIDLAND SCIENTIFIC INC	WPCP lab supplies	\$	147.83
610.8015.5603.000	MIDLAND SCIENTIFIC INC	WPCP lab supplies	\$	70.50
610.8015.5603.000	MIDLAND SCIENTIFIC INC	WPCP lab supplies	\$	568.64
610.8015.5603.000	MIDLAND SCIENTIFIC INC	WPCP lab supplies	\$	31.80
610.8015.5603.000	MIDLAND SCIENTIFIC INC	WPCP lab supplies	\$	405.81
610.8015.5612.000	BDH INFORMATION TECHNOLOGY LLC	operations desktop hard drive	\$	85.00
610.8015.5750.000	B&G HVAC INC	WPCP Admin bldg replacement AC	\$	7,045.00
610.8015.5750.000	GARDNER DENVER NASH LLC	Repair Compressor #2 - Rebuild	\$	63,276.87
610.8015.5810.000	CRBT - CEDAR RAPIDS BANK & TRUST	Performance Edge repayment w/ Alliant Energy	\$	8,634.17
610.8015.5820.000	CRBT - CEDAR RAPIDS BANK & TRUST	Performance Edge repayment w/ Alliant Energy	\$	73.40
610.8016.5234.000	GRIMES BUCK SCHOELL BEACH & HITCHINS	professional services	\$	775.00
610.8016.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$	6.05
610.8016.5450.000	CENTURYLINK	ALL PHONE LINES	\$	11.89
610.8016.5481.000	ALLIANT ENERGY	S 2nd St cnr Player	\$	283.64
610.8016.5481.000	ALLIANT ENERGY	N 22nd St	\$	70.09
690.8050.5132.000	CITY LAUNDERING COMPANY	uniform cleaning-Transit dept	\$	26.25
690.8050.5132.000	CITY LAUNDERING COMPANY	uniform cleaning-Transit dept	\$	26.25
690.8050.5132.000	CITY LAUNDERING COMPANY	uniform cleaning-Transit dept	\$	26.25
690.8050.5210.000	Trending Media Inc	Transit radio advertising	\$	120.00
690.8050.5210.000	Trending Media Inc	Transit radio advertising	\$	56.00
690.8050.5331.000	Region 6 Resource Partners	November para-transit rides	\$	1,236.75
690.8050.5342.000	TEMP ASSOCIATES INC	Transit	\$	440.80
690.8050.5410.000	MCATEE TIRE SALES & SERVICE INC	Transit #191 tires	\$	140.40
690.8050.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$	5.04
690.8050.5450.000	CENTURYLINK	PW Analog 752-7388	\$	32.02
690.8050.5450.000	CENTURYLINK	ALL PHONE LINES	\$	9.90
690.8050.5482.000	WoodRiver Energy LLC	905 E Main St	\$	556.08

690.8050.5565.000	ARNOLD MOTOR SUPPLY LLP	fuel filter	\$	8.32
690.8050.5565.000	GILLIG LLC	Transit #181 pressure switch	\$	46.74
690.8050.5565.000	GILLIG LLC	Transit #109 brakes	\$	1,794.20
690.8050.5565.000	MCATEE TIRE SALES & SERVICE INC	Transit #191 tires	\$	463.56
690.8050.5565.000	NAPA AUTO PARTS	Transit #991 alarm	\$	33.38
690.8050.5565.000	NUTRIEN AG SOLUTIONS INC	Transit Delvac Super	\$	(699.00)
690.8050.5565.000	NUTRIEN AG SOLUTIONS INC	Transit DEF fluid	\$	440.00
690.8050.5718.000	NAPA AUTO PARTS	oil can	\$	4.44
740.8065.5220.000	MARSHALLTOWN WATER WORKS	Storm Sewer Collection Services	\$	666.15
740.8065.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$	4.04
740.8065.5450.000	CENTURYLINK	ALL PHONE LINES	\$	7.92
740.8065.5703.000	BDH INFORMATION TECHNOLOGY LLC	Webcam for Storm Water Coordinator	\$	72.00
750.8070.5410.000	KAPAUN & BROWN INC	Compost bldg replace thermostat	\$	162.00
750.8070.5450.000	CENTURYLINK	Non published direct dial lines fees 9853	\$	5.04
750.8070.5450.000	CENTURYLINK	ALL PHONE LINES	\$	9.90
750.8070.5600.000	KAPAUN & BROWN INC	Compost bldg replace thermostat	\$	135.00
881.1050.5339.000	Hunterland LLC	paid medical claims	\$	44.35
884.7010.5337.000	HARTFORD- PRIORITY ACCTS	insurance premium	\$	6,828.00
999.1101.000	INTERNAL REVENUE SERVICE	Bi-Weekly Federal Taxes	\$	28,757.12
999.1101.000	INTERNAL REVENUE SERVICE	Bi-Weekly Federal Taxes	\$	14,440.52
999.1102.000	TREASURER STATE OF IOWA	Bi-Weekly Payroll SIT	\$	12,400.54
999.1102.000	TREASURER STATE OF IOWA	State Income Tax	\$	(0.20)
999.1102.000	TREASURER STATE OF IOWA	Bi-Weekly Payroll SIT	\$	6,024.66
999.1103.000	INTERNAL REVENUE SERVICE	Bi-Weekly Payroll Social Security	\$	27,251.84
999.1103.000	INTERNAL REVENUE SERVICE	Bi-Weekly Payroll Social Security	\$	4,743.00
999.1107.000	INTERNAL REVENUE SERVICE	Bi-Weekly Payroll Medicare	\$	8,675.26
999.1107.000	INTERNAL REVENUE SERVICE	Bi-Weekly Payroll Medicare	\$	4,207.26
999.1111.000	IMWCA	workers comp installment 8:8	\$	5,293.00
999.1121.000	American Education Services	PR WITHHOLDING	\$	64.41
999.1121.000	COLLECTION SERVICES CENTER	CHILD SUPPORT	\$	139.77
999.1121.000	COLLECTION SERVICES CENTER	CHILD SUPPORT	\$	423.86
999.1121.000	COLLECTION SERVICES CENTER	CHILD SUPPORT	\$	313.84
999.1121.000	COLLECTION SERVICES CENTER	CHILD SUPPORT	\$	220.56
999.1121.000	COLLECTION SERVICES CENTER	CHILD SUPPORT	\$	199.20
999.1121.000	COLLECTION SERVICES CENTER	CHILD SUPPORT	\$	102.11
999.1121.000	COLLECTION SERVICES CENTER	CHILD SUPPORT	\$	461.54
999.1121.000	Family Support Payment Center	CHILD SUPPORT	\$	152.31
999.1121.000	LINN COUNTY SHERIFF	PR WITHHOLDING	\$	257.42
999.1125.000	FIDELITY SECURITY LIFE INSURANCE CO	VISION INSURANCE	\$	333.87
999.1125.000	FIDELITY SECURITY LIFE INSURANCE CO	VISION INSURANCE	\$	119.53
999.1131.000	ICMA RETIREMENT 457	ICMA DEF COMP	\$	850.86
999.1131.000	ICMA RETIREMENT 457	ICMA DEF COMP	\$	4,655.60
999.1131.000	ICMA RETIREMENT 457	ICMA DEFERRED COMP	\$	912.30
999.1131.000	ICMA RETIREMENT 457	ICMA DEF COMP	\$	200.00
999.1131.000	ICMA RETIREMENT 457	ROTH < 50	\$	2,168.32
999.1131.000	ICMA RETIREMENT 457	ROTH > 50	\$	2,682.73
999.1131.000	ICMA RETIREMENT 457	ICMA DEF COMP	\$	715.00
999.1131.000	ICMA RETIREMENT 457	ICMA DEF COMP	\$	230.76
999.1131.000	ICMA RETIREMENT 457	ROTH < 50	\$	1,011.52
999.1131.000	ICMA RETIREMENT 457	ROTH > 50	\$	840.00
999.1133.000	COLONIAL LIFE	COLONIAL LIFE INSURANCE	\$	412.24
999.1133.000	COLONIAL LIFE	COLONIAL LIFE INSURANCE	\$	29.26
				\$ 1,515,577.53

BUILDING REPORT FOR THE MONTH OF NOVEMBER 2020

MARSHALLTOWN
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PERMIT NUMBER	OWNER OF IMPROVEMENT	LOCATION OF IMPROVEMENT	TYPE OF IMPROVEMENT	NEW DWELLING	ALTER DWELLING	MINOR BUILDING	MISC. IMPROVEMENT	FEE
25490	Cam Himes (storm)	923 May Street	Alter Dwelling		\$5,000			\$111
25491	Marshalltown Community College	3702 S. Center Street	New Dugouts				\$50,000	\$644
25492	Fabiola Carrillo (storm)	411 West Boone St.	Alter Dwelling		\$6,000			\$125
25493	Top Notch Tree Service (storm)	2101 East Nevada St.	New Building				\$133,000	\$1,192
25494	Gerardo Gomes	12 East Ferner Street	Alter Dwelling		\$62,000			\$728
25495	Ray Mitchem (storm)	1402 South 3rd Ave.	Alter Dwelling		\$10,000			\$181
25496	Bryce Quastad (storm)	921 May Street	Demolish Garage					Fee Waived
25497	Bryce Quastad (storm)	921 May Street	New Garage			\$14,000		\$237
25498	Dan Oswald (storm)	508 Roberts Terrace	Alter Dwelling		\$15,000			\$251
25499	Bret Battles	1012 West Boone St.	New Shed			\$4,000		\$97
25500	LaVerne Cosselman	1711 Rainbow Dr	New Shed			\$3,000		\$83
25501	Con-struct Inc.	801 S 3rd Avenue	Demolish Building					\$25
25502	Con-struct Inc.	807 S 3rd Avenue	Demolish Dwelling					\$25
25503	Orton Homes LLC	1007 Benjamin Dr	New Dwelling	\$350,000				\$2,494
25504	Guadalupe Mondragon (storm)	1106 S 6th St	Alter Dwelling		\$68,970			\$777
25505	Clare Willsher	506 South 6th Street	New Garage			\$13,000		\$112
25506	Unity Point Health	55 Central Iowa Drive	New Building				\$643,000	\$3,949
25507	Unity Point Health	55 Central Iowa Drive	Alter Building				\$19,029,000	\$77,850
			TOTALS:	\$350,000	\$166,970	\$34,000	\$19,855,000	\$88,881
			TOTAL IMPROVEMENT AMOUNT: \$20,405,970					
				Units	Permits	Permits	Permits	Demo Permits
Scott A. Riemenschneider, Chief Building Official			# OF PERMITS:	1	1	6	4	3

Building Division Improvement Value & Fee Summary - Nov. 2020

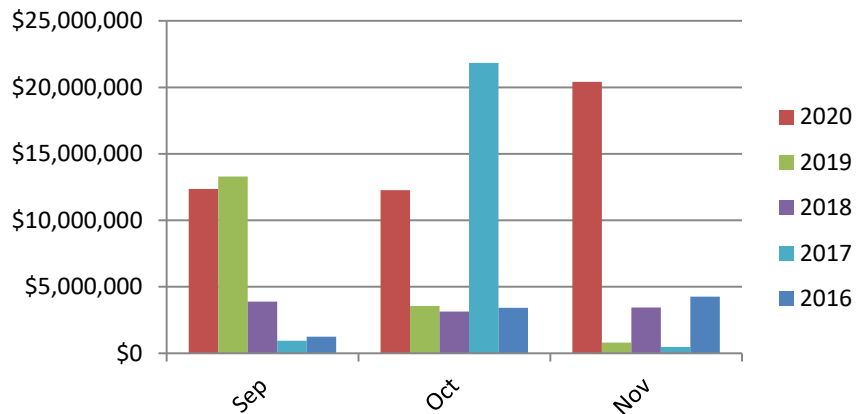
Total Improvement Value Comparison

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2020	\$1,921,000	\$339,000	\$1,660,000	\$4,186,000	\$382,000	\$3,260,000	\$2,367,000	\$501,000	\$12,368,000	\$12,265,000	\$20,405,970		\$59,654,970
2019	\$903,000	\$3,132,000	\$5,177,000	\$1,176,000	\$870,000	\$1,546,000	\$2,188,000	\$471,000	\$13,287,000	\$3,550,000	\$802,000		\$33,102,000
2018	\$205,000	\$1,722,000	\$271,000	\$3,050,000	\$1,104,000	\$306,000	\$2,725,000	\$12,653,000	\$3,882,000	\$3,136,000	\$3,432,000		\$32,486,000
2017	\$74,000	\$331,000	\$7,559,000	\$1,214,000	\$8,277,000	\$1,171,000	\$671,000	\$547,000	\$937,000	\$21,827,000	\$480,000		\$43,088,000
2016	\$479,000	\$1,034,000	\$2,977,000	\$1,699,000	\$2,257,000	\$113,000	\$945,000	\$555,000	\$1,246,000	\$3,416,000	\$4,254,000		\$18,975,000

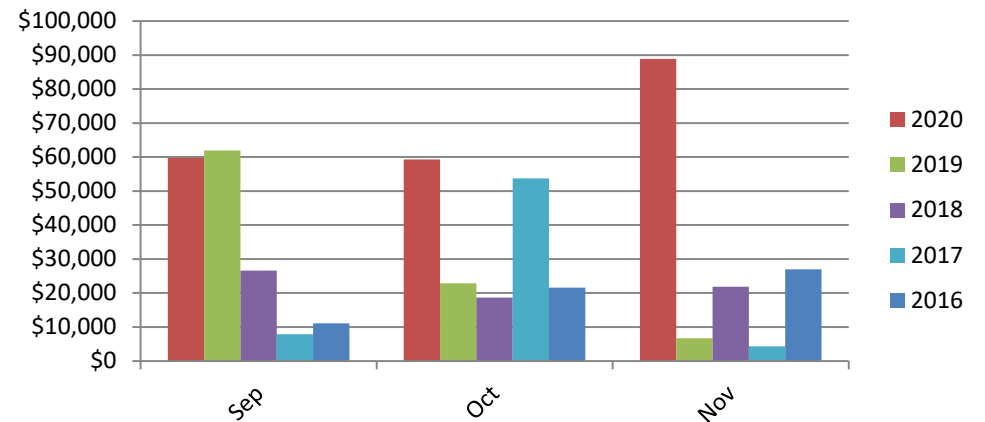
Total Fees Received Comparison

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2020	\$11,506	\$3,879	\$11,942	\$25,465	\$4,090	\$21,363	\$13,575	\$5,219	\$59,802	\$59,261	\$88,881		\$304,983
2019	\$6,828	\$16,366	\$27,102	\$11,467	\$11,308	\$16,389	\$15,200	\$6,479	\$61,975	\$22,847	\$6,751		\$202,712
2018	\$1,114	\$10,996	\$3,815	\$17,067	\$9,589	\$3,038	\$17,654	\$57,378	\$26,618	\$18,654	\$21,900		\$187,823
2017	\$1,006	\$3,995	\$35,959	\$9,819	\$39,400	\$10,063	\$5,237	\$5,075	\$7,933	\$53,706	\$4,385		\$176,578
2016	\$3,860	\$7,490	\$18,014	\$12,229	\$16,500	\$1,553	\$6,946	\$5,912	\$11,069	\$21,606	\$27,022		\$132,201

Total Improvement Value Comparison



Total Fees Received Comparison



BUILDING REPORT FOR THE MONTH OF DECEMBER 2020

MARSHALLTOWN
IOWA

PERMIT NUMBER	OWNER OF IMPROVEMENT	LOCATION OF IMPROVEMENT	TYPE OF IMPROVEMENT	NEW DWELLING	ALTER DWELLING	MINOR BUILDING	MISC. IMPROVEMENT	FEE
25508	Jeff Simms (storm)	811 Iowa Avenue West	Alter Building				\$3,000	\$83
25509	Lora Colwell (storm)	6 Highland Acres Road	Alter Dwelling		\$50,000			\$644
25510	David Gomez (storm)	412 North Center St.	Demolish Garage					Fee Waived
25511	David Gomez (storm)	412 North Center St.	New Garage			\$12,000		\$209
25512	Lennox International Inc (storm)	200 South 12th Ave.	Alter Building				\$7,600,000	\$32,134
25513	Martin Ibarra (storm)	206 Pleasantview Rd.	New Shed			\$2,000		\$69
25514	Richard Westphal	209 Santa Barbara Dr.	New Shed			\$2,000		\$69
25515	M'town Community College (storm)	3700 South Center St.	New Building				\$52,000	\$658
25516	Levis Ndiokubwayo	307 North 1st Street	Alter Dwelling		\$2,000			\$69
25517	Philip Tetzloff (storm)	2908 W. Lincolnway	New Gazebo			\$5,000		\$111
25518	Joseph & Janelle Carter	1201 South 6th Street	Demolish Dwelling					\$25
25510	Diamond Vogel (storm)	711 South 3rd Ave.	Alter Building				\$4,000	\$97
			TOTALS:	\$0	\$52,000	\$21,000	\$7,659,000	\$34,168
			TOTAL IMPROVEMENT AMOUNT: \$7,732,000					
				Units	Permits	Permits	Permits	Demo Permits
Scott A. Riemenschneider, Chief Building Official			# OF PERMITS:	0	0	2	4	2

Building Division Improvement Value & Fee Summary - Dec. 2020

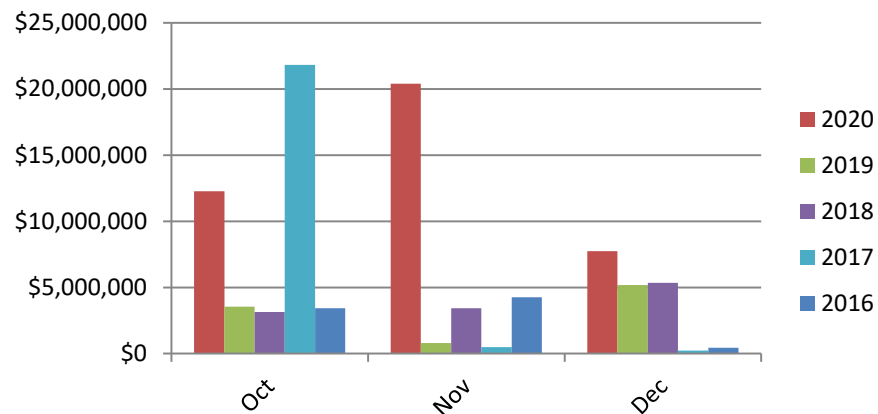
Total Improvement Value Comparison

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2020	\$1,921,000	\$339,000	\$1,660,000	\$4,186,000	\$382,000	\$3,260,000	\$2,367,000	\$501,000	\$12,368,000	\$12,265,000	\$20,405,970	\$7,732,000	\$67,386,970
2019	\$903,000	\$3,132,000	\$5,177,000	\$1,176,000	\$870,000	\$1,546,000	\$2,188,000	\$471,000	\$13,287,000	\$3,550,000	\$802,000	\$5,172,000	\$38,274,000
2018	\$205,000	\$1,722,000	\$271,000	\$3,050,000	\$1,104,000	\$306,000	\$2,725,000	\$12,653,000	\$3,882,000	\$3,136,000	\$3,432,000	\$5,334,000	\$37,820,000
2017	\$74,000	\$331,000	\$7,559,000	\$1,214,000	\$8,277,000	\$1,171,000	\$671,000	\$547,000	\$937,000	\$21,827,000	\$480,000	\$234,000	\$43,322,000
2016	\$479,000	\$1,034,000	\$2,977,000	\$1,699,000	\$2,257,000	\$113,000	\$945,000	\$555,000	\$1,246,000	\$3,416,000	\$4,254,000	\$443,000	\$19,418,000

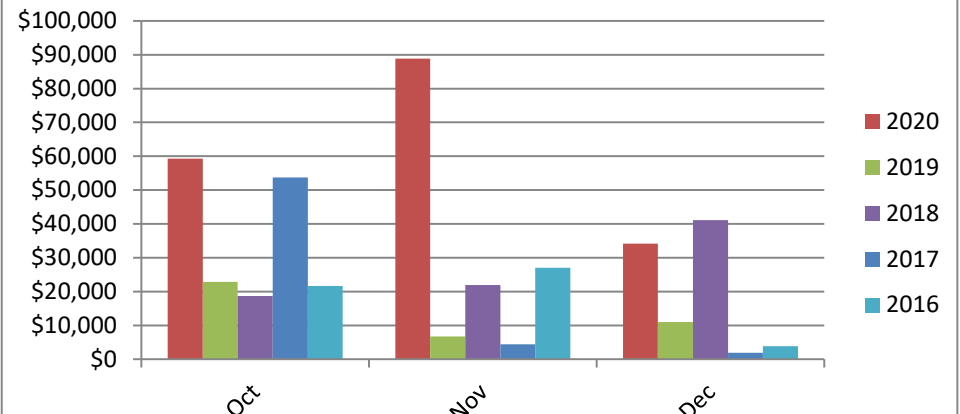
Total Fees Received Comparison

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2020	\$11,506	\$3,879	\$11,942	\$25,465	\$4,090	\$21,363	\$13,575	\$5,219	\$59,802	\$59,261	\$88,881	\$34,168	\$339,151
2019	\$6,828	\$16,366	\$27,102	\$11,467	\$11,308	\$16,389	\$15,200	\$6,479	\$61,975	\$22,847	\$6,751	\$11,027	\$213,739
2018	\$1,114	\$10,996	\$3,815	\$17,067	\$9,589	\$3,038	\$17,654	\$57,378	\$26,618	\$18,654	\$21,900	\$41,131	\$228,954
2017	\$1,006	\$3,995	\$35,959	\$9,819	\$39,400	\$10,063	\$5,237	\$5,075	\$7,933	\$53,706	\$4,385	\$1,930	\$178,508
2016	\$3,860	\$7,490	\$18,014	\$12,229	\$16,500	\$1,553	\$6,946	\$5,912	\$11,069	\$21,606	\$27,022	\$3,841	\$136,042

Total Improvement Value Comparison



Total Fees Received Comparison



BUILDING DEPARTMENT**BUILDING PERMIT SUMMARY 2020**

MONTH	NEW DWELLINGS	ALTER DWELLINGS	MINOR DWELLINGS	MISC. IMPROVEMENTS	TOTAL IMPROVEMENTS	FEES
JANUARY	\$0	\$2,000	\$11,000	\$1,908,000	\$1,921,000	\$11,506
FEBRUARY	\$0	\$10,000	\$24,000	\$305,000	\$339,000	\$3,879
MARCH	\$649,000	\$26,000	\$28,000	\$957,000	\$1,660,000	\$11,942
APRIL	\$1,067,000	\$2,000	\$6,000	\$3,111,000	\$4,186,000	\$25,465
MAY	\$0	\$44,000	\$12,000	\$326,000	\$382,000	\$4,090
JUNE	\$1,326,000	\$79,000	\$50,000	\$1,805,000	\$3,260,000	\$21,363
JULY	\$0	\$20,000	\$54,000	\$2,293,000	\$2,367,000	\$13,575
AUGUST	\$0	\$56,000	\$19,000	\$426,000	\$501,000	\$5,219
SEPTEMBER	\$6,705,000	\$228,000	\$52,000	\$5,383,000	\$12,368,000	\$59,802
OCTOBER	\$0	\$164,000	\$196,000	\$11,905,000	\$12,265,000	\$59,261
NOVEMBER	\$350,000	\$166,970	\$34,000	\$19,855,000	\$20,405,970	\$88,881
DECEMBER	\$0	\$52,000	\$21,000	\$7,659,000	\$7,732,000	\$34,168
TOTALS	\$10,097,000	\$849,970	\$507,000	\$55,933,000	\$67,386,970	\$339,151

BUILDING REPORT FOR THE YEAR 2020**MARSHALLTOWN**
— I O W A —

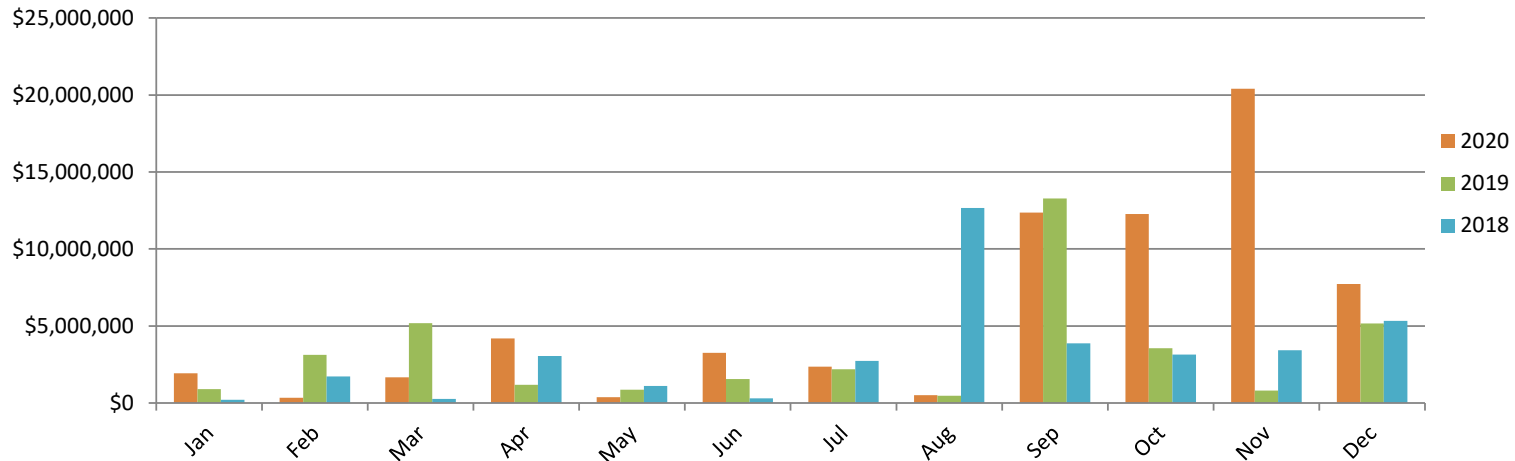
MONTH	TOTAL PERMITS	TOTAL VALUATION	LIVING UNITS	#	NEW DWELLINGS	#	ALTER DWELLINGS	#	MINOR DWELLINGS	#	MISC. IMPROVEMENTS	BUILDING PERMITS	DEMOLITION PERMITS	FEE
January	10	\$1,921,000	0	0	\$0	1	\$2,000	2	\$11,000	5	\$1,908,000	8	2	\$11,506
February	9	\$339,000	0	0	\$0	1	\$10,000	3	\$24,000	4	\$305,000	8	1	\$3,879
March	12	\$1,660,000	3	2	\$649,000	2	\$26,000	4	\$28,000	4	\$957,000	12	0	\$11,942
April	14	\$4,186,000	5	3	\$1,067,000	1	\$2,000	1	\$6,000	7	\$3,111,000	12	2	\$25,465
May	18	\$382,000	0	0	\$0	3	\$44,000	4	\$12,000	4	\$326,000	11	7	\$4,090
June	22	\$3,260,000	8	2	\$1,326,000	3	\$79,000	7	\$50,000	5	\$1,805,000	17	5	\$21,363
July	15	\$2,367,000	0	0	\$0	3	\$20,000	7	\$54,000	4	\$2,293,000	14	1	\$13,575
August	16	\$501,000	0	0	\$0	5	\$56,000	2	\$19,000	4	\$426,000	11	5	\$5,219
September	35	\$12,368,000	50	1	\$6,705,000	12	\$228,000	7	\$52,000	10	\$5,383,000	30	5	\$59,802
October	60	\$12,265,000	0	0	\$0	13	\$164,000	19	\$196,000	6	\$11,905,000	38	22	\$59,261
November	18	\$20,405,970	1	1	\$350,000	6	\$166,970	4	\$34,000	4	\$19,855,000	15	3	\$88,881
December	12	\$7,732,000	0	0	\$0	2	\$52,000	4	\$21,000	4	\$7,659,000	10	2	\$34,168
TOTALS	241	\$67,386,970	67	9	\$10,097,000	52	\$849,970	64	\$507,000	61	\$55,933,000	186	55	\$339,151

Scott A. Riemenschneider, Chief Building Official

Total Improvement Value Comparison

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2020	\$1,921,000	\$339,000	\$1,660,000	\$4,186,000	\$382,000	\$3,260,000	\$2,367,000	\$501,000	\$12,368,000	\$12,265,000	\$20,405,970	\$7,732,000	\$67,386,970
2019	\$903,000	\$3,132,000	\$5,177,000	\$1,176,000	\$870,000	\$1,546,000	\$2,188,000	\$471,000	\$13,287,000	\$3,550,000	\$802,000	\$5,172,000	\$38,274,000
2018	\$205,000	\$1,722,000	\$271,000	\$3,050,000	\$1,104,000	\$306,000	\$2,725,000	\$12,653,000	\$3,882,000	\$3,136,000	\$3,432,000	\$5,334,000	\$37,820,000
2017	\$74,000	\$331,000	\$7,559,000	\$1,214,000	\$8,277,000	\$1,171,000	\$671,000	\$547,000	\$937,000	\$21,827,000	\$480,000	\$7,732,000	\$50,820,000
2016	\$479,000	\$1,034,000	\$2,977,000	\$1,699,000	\$2,257,000	\$113,000	\$945,000	\$555,000	\$1,246,000	\$3,416,000	\$4,254,000	\$443,000	\$19,418,000
2015	\$0	\$57,000	\$941,000	\$3,671,000	\$1,516,000	\$3,067,000	\$6,572,000	\$1,391,000	\$2,944,000	\$788,000	\$1,803,000	\$1,212,000	\$23,962,000
2014	\$311,000	\$206,000	\$4,457,000	\$4,101,000	\$25,076,000	\$3,500,000	\$2,712,000	\$470,000	\$1,203,000	\$22,044,000	\$1,678,000	\$538,000	\$66,296,000
2013	\$1,470,000	\$101,000	\$953,000	\$2,413,000	\$91,000	\$1,952,000	\$1,922,000	\$373,000	\$308,000	\$8,471,000	\$4,270,000	\$425,000	\$22,749,000
2012	\$489,000	\$449,000	\$178,000	\$292,000	\$1,105,000	\$1,500,000	\$1,732,000	\$316,000	\$1,091,000	\$2,109,000	\$6,665,000	\$170,000	\$16,096,000
2011	\$30,000	\$211,000	\$382,000	\$12,768,000	\$3,274,000	\$1,187,000	\$917,000	\$7,834,000	\$2,318,000	\$307,000	\$201,000	\$208,000	\$29,637,000
2010	\$30,000	\$21,000	\$57,000	\$1,233,000	\$731,000	\$16,118,000	\$1,383,000	\$821,000	\$411,000	\$7,176,000	\$328,000	\$619,000	\$28,928,000
2009	\$2,490,000	\$1,622,000	\$220,000	\$675,000	\$1,157,000	\$194,000	\$432,800	\$864,500	\$397,000	\$849,000	\$44,000	\$973,000	\$9,918,300

Total Improvement Value Comparison - 3 year history

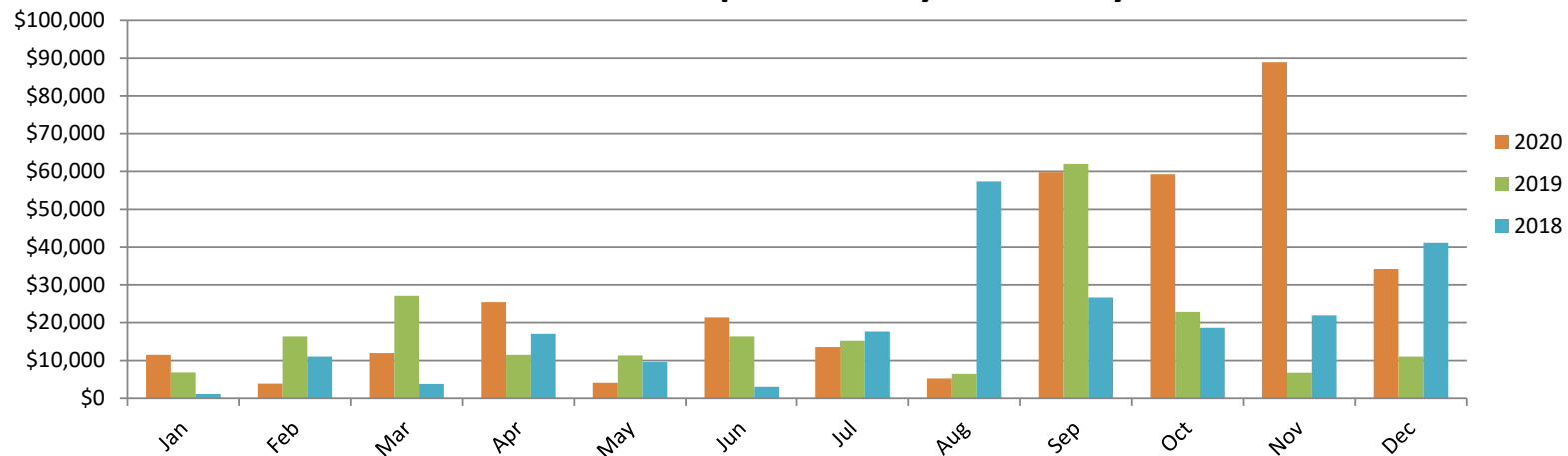


Building Division Improvement Fee Summary - 2020

Total Fees Received Comparison

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2020	\$11,506	\$3,879	\$11,942	\$25,465	\$4,090	\$21,363	\$13,575	\$5,219	\$59,802	\$59,261	\$88,881	\$34,168	\$339,151
2019	\$6,828	\$16,366	\$27,102	\$11,467	\$11,308	\$16,389	\$15,200	\$6,479	\$61,975	\$22,847	\$6,751	\$11,027	\$213,739
2018	\$1,114	\$10,996	\$3,815	\$17,067	\$9,589	\$3,038	\$17,654	\$57,378	\$26,618	\$18,654	\$21,900	\$41,131	\$228,954
2017	\$1,006	\$3,995	\$35,959	\$9,819	\$39,400	\$10,063	\$5,237	\$5,075	\$7,933	\$53,706	\$4,385	\$1,930	\$178,508
2016	\$3,860	\$7,490	\$18,014	\$12,229	\$16,500	\$1,553	\$6,946	\$5,912	\$11,069	\$21,606	\$27,022	\$3,841	\$136,042
2015	\$0	\$762	\$8,610	\$24,464	\$12,214	\$18,787	\$34,441	\$11,625	\$18,742	\$7,793	\$13,969	\$8,935	\$160,342
2014	\$2,414	\$1,980	\$21,811	\$22,054	\$106,382	\$20,451	\$17,496	\$5,278	\$8,360	\$95,674	\$12,971	\$4,765	\$319,636
2013	\$9,824	\$1,416	\$7,030	\$15,486	\$1,408	\$10,443	\$15,753	\$4,939	\$3,882	\$38,468	\$22,346	\$3,484	\$134,479
2012	\$4,789	\$4,470	\$2,640	\$4,259	\$7,811	\$12,060	\$11,267	\$4,962	\$8,788	\$15,489	\$30,131	\$1,978	\$108,644
2011	\$593	\$2,266	\$4,377	\$37,412	\$16,471	\$9,698	\$8,081	\$38,227	\$17,675	\$4,020	\$2,473	\$2,336	\$143,629
2010	\$230	\$401	\$1,034	\$10,835	\$7,045	\$70,345	\$11,287	\$6,084	\$4,913	\$33,333	\$3,972	\$5,345	\$154,824
2009	\$15,362	\$9,815	\$2,014	\$6,255	\$9,847	\$2,756	\$4,605	\$7,520	\$4,304	\$5,732	\$871	\$1,581	\$70,662

Total Fees Received Comparison - 3 year history



MARSHALLTOWN

— I O W A —

Joel Greer, Mayor
Jessica Kinser, Administrator
Diana Steiner, Finance Director
24 North Center Street
Marshalltown, IA 50158-4911
Tel - (641) 754-5760
Fax - (641) 754-5781

FINANCE DEPARTMENT

January 7, 2021

To: Mayor Joel Greer
Members of the City Council

From: Diana Steiner, Finance Director

Re: November Monthly Financial Statements

Policy Issue: N/A.

Recommendation: Staff recommends approving the November 2020 monthly financial statements.

Background: The Finance department has prepared and reconciled the November 2020 financial statements for your review. The attached reports include the following:

- Fund Balance Report, which includes the beginning balance at 6/30/20, the year-to-date revenues and expenses for 5 months and the ending fund cash balance.
- Cash & Investments Report, which includes current balances and interest rates for all city investments.
- Monthly Budget Report, which reflects monthly and year-to-date revenues and expenses by each fund and then in summary. If the YTD Activity amount is less than the YTD Budget amount, it will show as unfavorable for revenues and favorable for expenses.

Items of interest this month:

*Coliseum remodel expenses in fund 383 were \$341,366.

*TIF development agreement payments of \$89,697 were made.

*Bond payments of \$697,969 were made.

*Property Taxes of \$1,881,703 were received

Budget Impact: N/A

Attachment: November 2020 Financial Statements

cc: Jessica Kinser, City Administrator

Fund	Beginning Balance	Total Revenues	Total Expenses	Ending Balance
001 - GENERAL FUND	2,123,673.41	6,973,742.07	6,073,856.90	3,023,558.58
010 - CASH FLOW RESERVE FUND	2,380,612.49	17,767.81	-	2,398,380.30
030 - CAPITAL RESERVE	(514.96)	37,752.77	90,719.16	(53,481.35)
031 - CAPITAL RSRV-BLDG MAINT	274,155.34	82,643.26	-	356,798.60
032 - CIP LARGE VEHICLE/EQUIPMENT	318,000.00	1,206,999.67	1,633,113.82	(108,114.15)
110 - ROAD USE TAX	5,937,455.97	1,727,497.53	1,852,470.10	5,812,483.40
112 - EMPLOYEE BENEFITS FUND	2,775,298.60	1,413,652.14	582,592.02	3,606,358.72
117 - POLICE/FIRE RETIREMENT	548,156.16	593,691.73	259,359.92	882,487.97
119 - EMERGENCY FUND	-	124,491.33	5,515.17	118,976.16
121 - LOCAL OPTION SALES TAX	4,513,756.99	1,860,963.91	791,490.41	5,583,230.49
125 - TAX INCREMENT FINANCING	465,193.03	307,539.53	181,197.00	591,535.56
126 - TIF-LMI	27,383.77	204.39	-	27,588.16
130 - CITY TORT LIABILITY	71,658.38	592,025.58	474,575.05	189,108.91
132 - GRANTS-STATE/LOCAL AGENCIES	(262,444.29)	250,000.00	295,280.00	(307,724.29)
140 - PARK & REC DONATION FUND	101,437.94	8,835.86	6,560.90	103,712.90
141 - MTOWN TENNIS ASSOC	1,766.29	13.18	-	1,779.47
142 - SOFTBALL ASSOCIATION FUND	(1,435.85)	10,165.30	16,271.31	(7,541.86)
144 - LIVE HEALTHY IOWA	1,518.28	3,531.48	-	5,049.76
145 - TORNADO GENERAL	143,981.30	15,098.52	1,385,355.86	(1,226,276.04)
146 - FEMA VALOR	(55,164.71)	-	-	(55,164.71)
147 - FEMA DEMO	(49,169.93)	-	3,090.00	(52,259.93)
148 - FEMA-COVID19	(19,078.56)	16,889.95	36,957.28	(39,145.89)
149 - FEMA - WINDS	-	-	1,773,786.20	(1,773,786.20)
150 - COPS FAST GRANTS	(8,109.02)	25,893.63	31,578.83	(13,794.22)
151 - DEPT OF JUSTICE GRANTS	(4,055.53)	4,403.13	349.50	(1.90)
152 - POLICE UNDESIGNATED GRANTS	(24,938.29)	28,188.25	47,879.83	(44,629.87)
153 - POLICE DEPT DONATION FUND	86,653.41	1,590.60	1,723.68	86,520.33
156 - FIRE DEPT DONATION FUND	6,522.62	48.68	-	6,571.30
157 - FIRE DEPT GRANTS	5,136.53	38.33	-	5,174.86
160 - ECONOMIC DEVELOPMENT GIFT	52,385.69	390.99	-	52,776.68
161 - SURETY DEPOSITS/SUBDIVIDER	10,928.99	81.57	-	11,010.56
170 - LIBRARY DONATION FUND	109,220.37	4,393.17	5,261.54	108,352.00
177 - SEIZED ASSETS (POLICE)	36,871.34	287.15	225.00	36,933.49
179 - OTHER COMM AND ECON DEVELOPMENT	78,010.32	582.23	-	78,592.55
180 - HOUSING GRANTS	27,430.10	204.73	-	27,634.83
182 - #4 HUD LEAD GRANT	100.00	-	100.00	-
183 - FY 08 EDI (ECON DEV INCENTIVE)	(13,389.25)	-	-	(13,389.25)
184 - VOUCHERS - 002, 003	90,853.88	528,472.73	494,003.91	125,322.70
189 - #6 HUD LEAD GRANT	(7,474.95)	167,421.63	161,811.56	(1,864.88)
200 - GO BONDS DEBT FUND	132,054.94	4,250,227.29	3,454,305.81	927,976.42
300 - CIP COLLECTION FUND	278,230.70	313,035.63	107,000.00	484,266.33
311 - RISE STREET GRANTS	-	-	17,906.95	(17,906.95)
312 - AIRPORT PROJECT FUND	(240,764.09)	2,039,538.90	44,186.21	1,754,588.60
320 - SPECIAL ASSESSMENT PROJECTS	(18,480.95)	2,938.00	-	(15,542.95)
340 - BIKE PATH PROJECT FUND	(96,269.36)	30,041.80	11,760.70	(77,988.26)
341 - TREES FOREVER PROJECT	13,400.87	375.41	-	13,776.28
350 - GO BONDS CAPITAL PROJECTS	8,903.48	66.44	-	8,969.92
354 - POLICE & FIRE STATIONS	670,433.34	6,208.59	57,912.74	618,729.19
355 - 2015 GO BONDS (D&D)	300,465.95	1,700.27	144,144.01	158,022.21
357 - 2018 CY STREET PROJECTS	-	-	129,021.26	(129,021.26)
360 - 2019 GO BONDS & PROJECTS	5,377,724.96	90,963.10	687,120.24	4,781,567.82
361 - LIBRARY BUILDING ADDITION	1,550.00	11.57	-	1,561.57
362 - 2020 GO BONDS	-	2,241,477.52	353,357.62	1,888,119.90
381 - 2019 CY STREET, SIDEWALK, PARKING PROJECTS	1,741,924.41	12,074.37	233,013.07	1,520,985.71
383 - COLISEUM REMODEL	2,075,348.03	206,896.77	1,760,894.70	521,350.10
392 - TIF DISTRICT III CAP PROJECTS	8,089.35	56.20	1,050.00	7,095.55
395 - ECONOMIC DEVELOPMENT PROJECT FUND	-	345,901.97	1,130,876.91	(784,974.94)
610 - WATER POLLUTION CONTROL	2,683.14	2,030,684.44	2,030,684.44	2,683.14
611 - WPCP REVENUE	15,968,833.94	3,646,922.54	2,030,684.44	17,585,072.04
612 - WPCP REVENUE BOND FUND	-	708,610.28	937,482.78	(228,872.50)
614 - WPCP CAPITAL IMPROVEMENT RSRV	1,068,085.66	7,971.70	-	1,076,057.36
615 - WPCP PLANT & IMPROVEMENTS	-	-	2,336.75	(2,336.75)
617 - SANITARY SEWER NEW CONSTRUCTN	117,721.90	564.00	-	118,285.90
618 - TORNADO-WPCP	(580.97)	-	-	(580.97)
690 - TRANSIT OPERATING	168,574.85	390,749.84	329,102.87	230,221.82
740 - STORM SEWER UTILITY	2,329,808.26	600,099.63	356,898.51	2,573,009.38
741 - 2016 GO STORM WATER PROJ	(0.51)	3,379,610.49	20,983.96	3,358,626.02
742 - TORNADO - STORM/SEWER	(898.25)	-	-	(898.25)
750 - COMPOSTING FACILITY	74,969.52	16,320.40	16,511.23	74,778.69
751 - TORNADO - COMPOST	(44,096.75)	44,096.75	-	-
760 - P&R CONCESSIONS ENTERPRISE	(19,975.15)	16,813.00	21,746.70	(24,908.85)
881 - OCCUPATIONAL INSURANCE ESCROW	73,494.97	61,232.02	16,668.93	118,058.06
884 - GROUP HEALTH INSURANCE ESCROW	1,914,112.63	1,204,031.50	1,437,459.04	1,680,685.09
886 - WORKMAN'S COMP DEDUCTIBLE FUND	36,948.30	274.48	372.40	36,850.38
910 - POLICE PENSION - T & A	-	3,408.28	5,106.42	(1,698.14)
913 - 911 COMMISSION	(46,533.92)	290,376.22	454,522.83	(210,680.53)
950 - SUBDIVIDER IMPROVEMENT ESCROW	-	-	-	-
951 - SALES TAX REIMBURSEMENT	(4,841.35)	3,487.26	3,548.05	(4,902.14)
952 - SURETY BONDS/DEPOSITS	3,503.12	250.09	-	3,753.21
TOTAL:	51,636,806.88	37,952,519.58	32,001,784.52	57,587,541.94



CASH AND INVESTMENTS
AS OF 11/30/2020

Account	Name	Ending Balance	Interest Rate
BalObject: 0110 - P&R Deposits			
<u>999.0110.100</u>	GWGB P&R Deposits	<u>141,297.05</u>	1.75
Total BalObject: 0110 - P&R Deposits :		<u>141,297.05</u>	
BalObject: 0111 - Operating			
<u>999.0111.000</u>	UB&T Operating	<u>66,062.64</u>	0.00
<u>999.0111.100</u>	GWGB Operating	<u>56,686,512.40</u>	1.75
Total BalObject: 0111 - Operating:		<u>56,752,575.04</u>	
BalObject: 0112 - COLISEUM			
<u>999.0112.100</u>	GWGB COLISEUM	<u>520,378.50</u>	1.75
Total BalObject: 0112 - COLISEUM:		<u>520,378.50</u>	
BalObject: 0113 - Payroll			
<u>999.0113.100</u>	GWGB Payroll	<u>44,398.92</u>	1.75
Total BalObject: 0113 - Payroll:		<u>44,398.92</u>	
BalObject: 0114 - Dev Inspections			
<u>999.0114.100</u>	GWGB Dev Inspections	<u>32,453.73</u>	1.75
Total BalObject: 0114 - Dev Inspections:		<u>32,453.73</u>	
BalObject: 0115 - HUD Admin			
<u>999.0115.100</u>	GWGB HUD Admin	<u>92,054.27</u>	1.75
Total BalObject: 0115 - HUD Admin:		<u>92,054.27</u>	
BalObject: 0116 - HUD HAP			
<u>999.0116.100</u>	GWGB HUD HAP	<u>30,689.40</u>	1.75
Total BalObject: 0116 - HUD HAP:		<u>30,689.40</u>	
BalObject: 0117 - Police			
<u>999.0117.100</u>	GWGB Police	<u>37,267.55</u>	1.75
Total BalObject: 0117 - Police:		<u>37,267.55</u>	
BalObject: 0120 - PETTY CASH			
<u>610.0120.000</u>	PETTY CASH	<u>200.00</u>	0.00
<u>750.0120.000</u>	PETTY CASH	<u>200.00</u>	0.00
Total BalObject: 0120 - PETTY CASH:		<u>400.00</u>	
BalObject: 0122 - PETTY CASH-CITY CLERK			
<u>001.0122.000</u>	PETTY CASH-CITY CLERK	<u>200.00</u>	0.00
Total BalObject: 0122 - PETTY CASH-CITY CLERK:		<u>200.00</u>	
BalObject: 0123 - PETTY CASH-LIBRARY			
<u>001.0123.000</u>	PETTY CASH-LIBRARY	<u>100.00</u>	0.00
Total BalObject: 0123 - PETTY CASH-LIBRARY:		<u>100.00</u>	
BalObject: 0125 - PETTY CASH-PARK			
<u>001.0125.000</u>	PETTY CASH-PARK	<u>225.00</u>	0.00
Total BalObject: 0125 - PETTY CASH-PARK:		<u>225.00</u>	
BalObject: 0130 - CASH HELD BY INSUR ADMI			
<u>885.0130.000</u>	CASH HELD BY INSUR ADMI	<u>1.00</u>	0.00
Total BalObject: 0130 - CASH HELD BY INSUR ADMI:		<u>1.00</u>	
BalObject: 0216 - GREAT WESTERN BANK MM			
<u>999.0216.000</u>	GREAT WESTERN BANK MM	<u>100.27</u>	1.57
Total BalObject: 0216 - GREAT WESTERN BANK MM:		<u>100.27</u>	
BalObject: 0999 - POOLED CASH			
<u>999.0999.000</u>	POOLED CASH	<u>(64,598.79)</u>	0.00
Total BalObject: 0999 - POOLED CASH:		<u>(64,598.79)</u>	
		<u>57,587,541.94</u>	



City of Marshalltown, IA

Monthly Budget Report - Marshalltown

Group Summary

For Fiscal: Current Period Ending: 11/30/2020

Account Typ...	November Activity	YTD Budget	YTD Activity	Variance Favorable (Unfavorable)	Total Budget
Fund: 001 - GENERAL FUND					
Revenue	1,921,705.74	6,812,559.10	6,973,742.07	161,182.97	16,350,752.00
Expense	1,020,113.05	6,810,503.85	6,073,856.90	736,646.95	16,350,752.46
Total Fund: 001 - GENERAL FUND:	901,592.69	2,055.25	899,885.17	897,829.92	-0.46
Fund: 010 - CASH FLOW RESERVE FUND					
Revenue	3,129.39	43,880.80	17,767.81	-26,112.99	105,314.00
Total Fund: 010 - CASH FLOW RESERVE FUND:	3,129.39	43,880.80	17,767.81	-26,112.99	105,314.00
Fund: 030 - CAPITAL RESERVE					
Revenue	-272,419.70	214,397.05	37,752.77	-176,644.28	514,553.00
Expense	34,551.83	214,370.40	90,719.16	123,651.24	514,553.00
Total Fund: 030 - CAPITAL RESERVE:	-306,971.53	26.65	-52,966.39	-52,993.04	0.00
Fund: 031 - CAPITAL RSRV-BLDG MAINT					
Revenue	465.55	1,250.00	82,643.26	81,393.26	3,000.00
Expense	0.00	75,541.65	0.00	75,541.65	181,300.00
Total Fund: 031 - CAPITAL RSRV-BLDG MAINT:	465.55	-74,291.65	82,643.26	156,934.91	-178,300.00
Fund: 032 - CIP LARGE VEHICLE/EQUIPMENT					
Revenue	0.00	447,076.30	1,206,999.67	759,923.37	1,073,026.00
Expense	2,250.00	579,594.15	1,633,113.82	-1,053,519.67	1,391,026.00
Total Fund: 032 - CIP LARGE VEHICLE/EQUIPMENT:	-2,250.00	-132,517.85	-426,114.15	-293,596.30	-318,000.00
Fund: 110 - ROAD USE TAX					
Revenue	343,115.54	1,458,333.30	1,727,497.53	269,164.23	3,500,000.00
Expense	123,517.59	2,366,090.10	1,852,470.10	513,620.00	5,679,495.72
Total Fund: 110 - ROAD USE TAX:	219,597.95	-907,756.80	-124,972.57	782,784.23	-2,179,495.72
Fund: 112 - EMPLOYEE BENEFITS FUND					
Revenue	359,619.99	1,162,459.10	1,413,652.14	251,193.04	2,789,902.00
Expense	0.00	1,131,680.00	582,592.02	549,087.98	2,716,032.00
Total Fund: 112 - EMPLOYEE BENEFITS FUND:	359,619.99	30,779.10	831,060.12	800,281.02	73,870.00
Fund: 117 - POLICE/FIRE RETIREMENT					
Revenue	151,031.59	523,491.55	593,691.73	70,200.18	1,256,380.00
Expense	0.00	510,749.40	259,359.92	251,389.48	1,226,284.00
Total Fund: 117 - POLICE/FIRE RETIREMENT:	151,031.59	12,742.15	334,331.81	321,589.66	30,096.00
Fund: 119 - EMERGENCY FUND					
Revenue	31,669.88	104,536.65	124,491.33	19,954.68	250,888.00

Monthly Budget Report - Marshalltown

For Fiscal: Current Period Ending: 11/30/2020

Account Typ...	November Activity	YTD Budget	YTD Activity	Variance Favorable (Unfavorable)	Total Budget
Expense	0.00	101,770.00	5,515.17	96,254.83	244,248.00
Total Fund: 119 - EMERGENCY FUND:	31,669.88	2,766.65	118,976.16	116,209.51	6,640.00
Fund: 121 - LOCAL OPTION SALES TAX					
Revenue	563,550.63	1,423,333.30	1,860,963.91	437,630.61	3,416,000.00
Expense	663.50	2,077,963.25	791,490.41	1,286,472.84	4,987,119.00
Total Fund: 121 - LOCAL OPTION SALES TAX:	562,887.13	-654,629.95	1,069,473.50	1,724,103.45	-1,571,119.00
Fund: 125 - TAX INCREMENT FINANCING					
Revenue	73,304.90	271,050.80	307,539.53	36,488.73	650,522.00
Expense	89,697.00	287,243.25	181,197.00	106,046.25	689,384.00
Total Fund: 125 - TAX INCREMENT FINANCING:	-16,392.10	-16,192.45	126,342.53	142,534.98	-38,862.00
Fund: 126 - TIF-LMI					
Revenue	36.00	4.15	204.39	200.24	10.00
Total Fund: 126 - TIF-LMI:	36.00	4.15	204.39	200.24	10.00
Fund: 130 - CITY TORT LIABILITY					
Revenue	566,224.75	12,916.65	592,025.58	579,108.93	31,000.00
Expense	127,209.38	16,885.30	474,575.05	-457,689.75	40,525.00
Total Fund: 130 - CITY TORT LIABILITY:	439,015.37	-3,968.65	117,450.53	121,419.18	-9,525.00
Fund: 132 - GRANTS-STATE/LOCAL AGENCIES					
Revenue	0.00	131,250.00	250,000.00	118,750.00	315,000.00
Expense	23,350.00	131,250.00	295,280.00	-164,030.00	315,000.00
Total Fund: 132 - GRANTS-STATE/LOCAL AGENCIES:	-23,350.00	0.00	-45,280.00	-45,280.00	0.00
Fund: 140 - PARK & REC DONATION FUND					
Revenue	1,213.87	21,208.30	8,835.86	-12,372.44	50,900.00
Expense	2,149.45	22,874.90	6,560.90	16,314.00	54,900.00
Total Fund: 140 - PARK & REC DONATION FUND:	-935.58	-1,666.60	2,274.96	3,941.56	-4,000.00
Fund: 141 - MTOWN TENNIS ASSOC					
Revenue	2.32	8.30	13.18	4.88	20.00
Total Fund: 141 - MTOWN TENNIS ASSOC:	2.32	8.30	13.18	4.88	20.00
Fund: 142 - SOFTBALL ASSOCIATION FUND					
Revenue	0.00	12,844.80	10,165.30	-2,679.50	30,840.00
Expense	217.50	12,837.85	16,271.31	-3,433.46	30,839.87
Total Fund: 142 - SOFTBALL ASSOCIATION FUND:	-217.50	6.95	-6,106.01	-6,112.96	0.13
Fund: 144 - LIVE HEALTHY IOWA					
Revenue	6.59	3,123.75	3,531.48	407.73	7,500.00
Expense	0.00	3,062.65	0.00	3,062.65	7,351.12
Total Fund: 144 - LIVE HEALTHY IOWA :	6.59	61.10	3,531.48	3,470.38	148.88
Fund: 145 - TORNADO GENERAL					
Revenue	0.00	196,381.15	15,098.52	-181,282.63	471,315.00
Expense	430,323.39	0.00	1,385,355.86	-1,385,355.86	0.00

Monthly Budget Report - Marshalltown

For Fiscal: Current Period Ending: 11/30/2020

Account Typ...	November Activity	YTD Budget	YTD Activity	Variance Favorable (Unfavorable)	Total Budget
Total Fund: 145 - TORNADO GENERAL:	-430,323.39	196,381.15	-1,370,257.34	-1,566,638.49	471,315.00
Fund: 146 - FEMA VALOR					
Revenue	0.00	23,435.75	0.00	-23,435.75	56,246.00
Total Fund: 146 - FEMA VALOR:	0.00	23,435.75	0.00	-23,435.75	56,246.00
Fund: 147 - FEMA DEMO					
Revenue	0.00	25,000.00	0.00	-25,000.00	60,000.00
Expense	0.00	0.00	3,090.00	-3,090.00	0.00
Total Fund: 147 - FEMA DEMO:	0.00	25,000.00	-3,090.00	-28,090.00	60,000.00
Fund: 148 - FEMA-COVID19					
Revenue	2,984.37	0.00	16,889.95	16,889.95	0.00
Expense	1,327.79	0.00	36,957.28	-36,957.28	0.00
Total Fund: 148 - FEMA-COVID19:	1,656.58	0.00	-20,067.33	-20,067.33	0.00
Fund: 149 - FEMA - WINDS					
Expense	259,860.89	0.00	1,773,786.20	-1,773,786.20	0.00
Total Fund: 149 - FEMA - WINDS:	259,860.89	0.00	1,773,786.20	-1,773,786.20	0.00
Fund: 150 - COPS FAST GRANTS					
Revenue	5,753.90	22,907.50	25,893.63	2,986.13	55,000.00
Expense	8,040.28	21,586.70	31,578.83	-9,992.13	51,829.10
Total Fund: 150 - COPS FAST GRANTS:	-2,286.38	1,320.80	-5,685.20	-7,006.00	3,170.90
Fund: 151 - DEPT OF JUSTICE GRANTS					
Revenue	0.00	9,791.05	4,403.13	-5,387.92	23,500.00
Expense	0.00	9,789.40	349.50	9,439.90	23,500.00
Total Fund: 151 - DEPT OF JUSTICE GRANTS:	0.00	1.65	4,053.63	4,051.98	0.00
Fund: 152 - POLICE UNDESIGNATED GRANTS					
Revenue	11,237.87	38,131.80	28,188.25	-9,943.55	91,553.00
Expense	8,645.44	34,113.70	47,879.83	-13,766.13	81,903.00
Total Fund: 152 - POLICE UNDESIGNATED GRANTS:	2,592.43	4,018.10	-19,691.58	-23,709.68	9,650.00
Fund: 153 - POLICE DEPT DONATION FUND					
Revenue	112.89	1,124.95	1,590.60	465.65	2,700.00
Expense	0.00	3,936.35	1,723.68	2,212.67	9,450.00
Total Fund: 153 - POLICE DEPT DONATION FUND:	112.89	-2,811.40	-133.08	2,678.32	-6,750.00
Fund: 156 - FIRE DEPT DONATION FUND					
Revenue	8.57	833.30	48.68	-784.62	2,000.00
Expense	0.00	2,083.30	0.00	2,083.30	5,000.00
Total Fund: 156 - FIRE DEPT DONATION FUND:	8.57	-1,250.00	48.68	1,298.68	-3,000.00
Fund: 157 - FIRE DEPT GRANTS					
Revenue	6.75	25.00	38.33	13.33	60.00
Total Fund: 157 - FIRE DEPT GRANTS:	6.75	25.00	38.33	13.33	60.00

Monthly Budget Report - Marshalltown

For Fiscal: Current Period Ending: 11/30/2020

Account Typ...	November Activity	YTD Budget	YTD Activity	Variance Favorable (Unfavorable)	Total Budget
Fund: 160 - ECONOMIC DEVELOPMENT GIFT					
Revenue	68.86	145.80	390.99	245.19	350.00
Total Fund: 160 - ECONOMIC DEVELOPMENT GIFT:	68.86	145.80	390.99	245.19	350.00
Fund: 161 - SURETY DEPOSITS/SUBDIVIDER					
Revenue	14.37	77.05	81.57	4.52	185.00
Total Fund: 161 - SURETY DEPOSITS/SUBDIVIDER:	14.37	77.05	81.57	4.52	185.00
Fund: 170 - LIBRARY DONATION FUND					
Revenue	191.38	8,874.95	4,393.17	-4,481.78	21,300.00
Expense	1,180.98	23,995.75	5,261.54	18,734.21	57,600.00
Total Fund: 170 - LIBRARY DONATION FUND:	-989.60	-15,120.80	-868.37	14,252.43	-36,300.00
Fund: 177 - SEIZED ASSETS (POLICE)					
Revenue	53.38	1,791.15	287.15	-1,504.00	4,300.00
Expense	225.00	1,666.15	225.00	1,441.15	4,000.00
Total Fund: 177 - SEIZED ASSETS (POLICE):	-171.62	125.00	62.15	-62.85	300.00
Fund: 179 - OTHER COMM AND ECON DEVELOPMENT					
Revenue	102.55	0.00	582.23	582.23	0.00
Total Fund: 179 - OTHER COMM AND ECON DEVELOPMENT:	102.55	0.00	582.23	582.23	0.00
Fund: 180 - HOUSING GRANTS					
Revenue	36.06	0.00	204.73	204.73	0.00
Total Fund: 180 - HOUSING GRANTS:	36.06	0.00	204.73	204.73	0.00
Fund: 182 - #4 HUD LEAD GRANT					
Expense	0.00	0.00	100.00	-100.00	0.00
Total Fund: 182 - #4 HUD LEAD GRANT:	0.00	0.00	100.00	-100.00	0.00
Fund: 183 - FY 08 EDI (ECON DEV INCENTIVE)					
Expense	0.00	266.55	0.00	266.55	640.00
Total Fund: 183 - FY 08 EDI (ECON DEV INCENTIVE):	0.00	266.55	0.00	266.55	640.00
Fund: 184 - VOUCHERS - 002, 003					
Revenue	99,872.85	449,694.95	528,472.73	78,777.78	1,079,630.00
Expense	92,870.15	439,325.00	494,003.91	-54,678.91	1,054,788.09
Total Fund: 184 - VOUCHERS - 002, 003:	7,002.70	10,369.95	34,468.82	24,098.87	24,841.91
Fund: 189 - #6 HUD LEAD GRANT					
Revenue	24,878.07	604,355.40	167,421.63	-436,933.77	1,450,453.00
Expense	14,746.39	604,114.10	161,811.56	442,302.54	1,450,453.13
Total Fund: 189 - #6 HUD LEAD GRANT:	10,131.68	241.30	5,610.07	5,368.77	-0.13
Fund: 200 - GO BONDS DEBT FUND					
Revenue	129,061.43	1,757,715.60	4,250,227.29	2,492,511.69	4,219,648.00
Expense	398,525.63	1,744,614.10	3,454,305.81	-1,709,691.71	4,187,074.00
Total Fund: 200 - GO BONDS DEBT FUND:	-269,464.20	13,101.50	795,921.48	782,819.98	32,574.00

Monthly Budget Report - Marshalltown

For Fiscal: Current Period Ending: 11/30/2020

Account Typ...	November Activity	YTD Budget	YTD Activity	Variance Favorable (Unfavorable)	Total Budget
Fund: 300 - CIP COLLECTION FUND					
Revenue	79,806.56	261,760.35	313,035.63	51,275.28	628,225.00
Expense	-272,419.70	258,147.05	107,000.00	151,147.05	619,553.00
Total Fund: 300 - CIP COLLECTION FUND:	352,226.26	3,613.30	206,035.63	202,422.33	8,672.00
Fund: 311 - RISE STREET GRANTS					
Revenue	0.00	666,666.65	0.00	-666,666.65	1,600,000.00
Expense	1,185.25	664,999.95	17,906.95	647,093.00	1,596,000.00
Total Fund: 311 - RISE STREET GRANTS:	-1,185.25	1,666.70	-17,906.95	-19,573.65	4,000.00
Fund: 312 - AIRPORT PROJECT FUND					
Revenue	2,289.37	1,306,666.65	2,039,538.90	732,872.25	3,136,000.00
Expense	20,627.08	1,306,666.65	44,186.21	1,262,480.44	3,136,000.00
Total Fund: 312 - AIRPORT PROJECT FUND:	-18,337.71	0.00	1,995,352.69	1,995,352.69	0.00
Fund: 320 - SPECIAL ASSESSMENT PROJECTS					
Revenue	2,850.00	2,083.30	2,938.00	854.70	5,000.00
Total Fund: 320 - SPECIAL ASSESSMENT PROJECTS:	2,850.00	2,083.30	2,938.00	854.70	5,000.00
Fund: 340 - BIKE PATH PROJECT FUND					
Revenue	0.00	42,725.00	30,041.80	-12,683.20	102,540.00
Expense	1,983.60	42,724.95	11,760.70	30,964.25	102,540.00
Total Fund: 340 - BIKE PATH PROJECT FUND:	-1,983.60	0.05	18,281.10	18,281.05	0.00
Fund: 341 - TREES FOREVER PROJECT					
Revenue	267.98	4,166.65	375.41	-3,791.24	10,000.00
Expense	0.00	4,166.65	0.00	4,166.65	10,000.00
Total Fund: 341 - TREES FOREVER PROJECT:	267.98	0.00	375.41	375.41	0.00
Fund: 350 - GO BONDS CAPITAL PROJECTS					
Revenue	11.70	0.00	66.44	66.44	0.00
Total Fund: 350 - GO BONDS CAPITAL PROJECTS:	11.70	0.00	66.44	66.44	0.00
Fund: 354 - POLICE & FIRE STATIONS					
Revenue	807.31	0.00	6,208.59	6,208.59	0.00
Expense	12,500.00	0.00	57,912.74	-57,912.74	0.00
Total Fund: 354 - POLICE & FIRE STATIONS:	-11,692.69	0.00	-51,704.15	-51,704.15	0.00
Fund: 355 - 2015 GO BONDS (D&D)					
Revenue	206.19	8,958.30	1,700.27	-7,258.03	21,500.00
Expense	1,140.00	52,941.25	144,144.01	-91,202.76	127,100.00
Total Fund: 355 - 2015 GO BONDS (D&D):	-933.81	-43,982.95	-142,443.74	-98,460.79	-105,600.00
Fund: 357 - 2018 CY STREET PROJECTS					
Revenue	0.00	20,833.30	0.00	-20,833.30	50,000.00
Expense	90,265.11	20,825.00	129,021.26	-108,196.26	50,000.00
Total Fund: 357 - 2018 CY STREET PROJECTS:	-90,265.11	8.30	-129,021.26	-129,029.56	0.00

Monthly Budget Report - Marshalltown

For Fiscal: Current Period Ending: 11/30/2020

Account Typ...	November Activity	YTD Budget	YTD Activity	Variance Favorable (Unfavorable)	Total Budget
Fund: 360 - 2019 GO BONDS & PROJECTS					
Revenue	6,238.96	195,755.00	90,963.10	-104,791.90	470,000.00
Expense	264,908.60	1,613,937.50	687,120.24	926,817.26	3,875,000.00
Total Fund: 360 - 2019 GO BONDS & PROJECTS:	-258,669.64	-1,418,182.50	-596,157.14	822,025.36	-3,405,000.00
Fund: 361 - LIBRARY BUILDING ADDITION					
Revenue	2.04	697,637.50	11.57	-697,625.93	1,675,000.00
Expense	0.00	697,637.50	0.00	697,637.50	1,675,000.00
Total Fund: 361 - LIBRARY BUILDING ADDITION:	2.04	0.00	11.57	11.57	0.00
Fund: 362 - 2020 GO BONDS					
Revenue	2,463.61	826,336.00	2,241,477.52	1,415,141.52	1,984,000.00
Expense	0.00	826,552.60	353,357.62	473,194.98	1,984,000.00
Total Fund: 362 - 2020 GO BONDS:	2,463.61	-216.60	1,888,119.90	1,888,336.50	0.00
Fund: 381 - 2019 CY STREET,SIDEWALK,PARKING PROJECTS					
Revenue	1,984.57	404,041.65	12,074.37	-391,967.28	969,700.00
Expense	3,023.60	612,374.95	233,013.07	379,361.88	1,469,700.00
Total Fund: 381 - 2019 CY STREET,SIDEWALK,PARKING PROJECTS:	-1,039.03	-208,333.30	-220,938.70	-12,605.40	-500,000.00
Fund: 383 - COLISEUM REMODEL					
Revenue	1,654.28	20,075.30	206,896.77	186,821.47	48,200.00
Expense	341,365.77	648,647.05	1,760,894.70	-1,112,247.65	1,556,783.00
Total Fund: 383 - COLISEUM REMODEL:	-339,711.49	-628,571.75	-1,553,997.93	-925,426.18	-1,508,583.00
Fund: 392 - TIF DISTRICT III CAP PROJECTS					
Revenue	9.26	0.00	56.20	56.20	0.00
Expense	0.00	0.00	1,050.00	-1,050.00	0.00
Total Fund: 392 - TIF DISTRICT III CAP PROJECTS:	9.26	0.00	-993.80	-993.80	0.00
Fund: 395 - ECONOMIC DEVELOPMENT PROJECT FUND					
Revenue	0.00	0.00	345,901.97	345,901.97	0.00
Expense	84,826.95	0.00	1,130,876.91	-1,130,876.91	0.00
Total Fund: 395 - ECONOMIC DEVELOPMENT PROJECT FUND:	-84,826.95	0.00	-784,974.94	-784,974.94	0.00
Fund: 610 - WATER POLLUTION CONTROL					
Revenue	1,045,325.85	3,150,320.00	2,030,684.44	-1,119,635.56	7,560,768.00
Expense	528,074.13	3,150,007.70	2,030,684.44	1,119,323.26	7,560,768.41
Total Fund: 610 - WATER POLLUTION CONTROL:	517,251.72	312.30	0.00	-312.30	-0.41
Fund: 611 - WPCP REVENUE					
Revenue	731,315.30	3,242,623.20	3,646,922.54	404,299.34	7,782,296.00
Expense	1,045,325.85	3,212,795.00	2,030,684.44	1,182,110.56	7,710,768.00
Total Fund: 611 - WPCP REVENUE:	-314,010.55	29,828.20	1,616,238.10	1,586,409.90	71,528.00
Fund: 612 - WPCP REVENUE BOND FUND					
Revenue	0.00	62,475.00	708,610.28	646,135.28	150,000.00
Expense	15,387.74	62,500.00	937,482.78	-874,982.78	150,000.00

Monthly Budget Report - Marshalltown

For Fiscal: Current Period Ending: 11/30/2020

Account Typ...	November Activity	YTD Budget	YTD Activity	Variance Favorable (Unfavorable)	Total Budget
Total Fund: 612 - WPCP REVENUE BOND FUND:	-15,387.74	-25.00	-228,872.50	-228,847.50	0.00
Fund: 614 - WPCP CAPITAL IMPROVEMENT RSRV					
Revenue	1,404.03	10,416.65	7,971.70	-2,444.95	25,000.00
Total Fund: 614 - WPCP CAPITAL IMPROVEMENT RSRV:	1,404.03	10,416.65	7,971.70	-2,444.95	25,000.00
Fund: 615 - WPCP PLANT & IMPROVEMENTS					
Expense	0.00	0.00	2,336.75	-2,336.75	0.00
Total Fund: 615 - WPCP PLANT & IMPROVEMENTS:	0.00	0.00	2,336.75	-2,336.75	0.00
Fund: 617 - SANITARY SEWER NEW CONSTRUCTN					
Revenue	164.00	6,458.30	564.00	-5,894.30	15,500.00
Total Fund: 617 - SANITARY SEWER NEW CONSTRUCTN:	164.00	6,458.30	564.00	-5,894.30	15,500.00
Fund: 690 - TRANSIT OPERATING					
Revenue	159,874.16	336,293.60	390,749.84	54,456.24	807,105.00
Expense	54,646.45	334,045.10	329,102.87	4,942.23	801,936.92
Total Fund: 690 - TRANSIT OPERATING:	105,227.71	2,248.50	61,646.97	59,398.47	5,168.08
Fund: 740 - STORM SEWER UTILITY					
Revenue	125,262.56	619,583.30	600,099.63	-19,483.67	1,487,000.00
Expense	101,675.86	399,090.60	356,898.51	42,192.09	958,024.69
Total Fund: 740 - STORM SEWER UTILITY:	23,586.70	220,492.70	243,201.12	22,708.42	528,975.31
Fund: 741 - 2016 GO STORM WATER PROJ					
Revenue	4,382.31	1,116,666.65	3,379,610.49	2,262,943.84	2,680,000.00
Expense	0.00	1,116,666.65	20,983.96	1,095,682.69	2,680,000.00
Total Fund: 741 - 2016 GO STORM WATER PROJ:	4,382.31	0.00	3,358,626.53	3,358,626.53	0.00
Fund: 750 - COMPOSTING FACILITY					
Revenue	2,640.10	25,020.65	16,320.40	-8,700.25	60,050.00
Expense	2,008.60	25,872.90	16,511.23	9,361.67	62,119.63
Total Fund: 750 - COMPOSTING FACILITY:	631.50	-852.25	-190.83	661.42	-2,069.63
Fund: 751 - TORNADO - COMPOST					
Revenue	0.00	256,834.10	44,096.75	-212,737.35	616,439.00
Total Fund: 751 - TORNADO - COMPOST:	0.00	256,834.10	44,096.75	-212,737.35	616,439.00
Fund: 760 - P&R CONCESSIONS ENTERPRISE					
Revenue	0.00	17,083.30	16,813.00	-270.30	41,000.00
Expense	0.00	16,786.05	21,746.70	-4,960.65	40,294.17
Total Fund: 760 - P&R CONCESSIONS ENTERPRISE:	0.00	297.25	-4,933.70	-5,230.95	705.83
Fund: 881 - OCCUPATIONAL INSURANCE ESCROW					
Revenue	11,014.52	0.00	61,232.02	61,232.02	0.00
Expense	3,328.81	0.00	16,668.93	-16,668.93	0.00
Total Fund: 881 - OCCUPATIONAL INSURANCE ESCROW:	7,685.71	0.00	44,563.09	44,563.09	0.00

Monthly Budget Report - Marshalltown

For Fiscal: Current Period Ending: 11/30/2020

Account Typ...	November Activity	YTD Budget	YTD Activity	Variance Favorable (Unfavorable)	Total Budget
Fund: 884 - GROUP HEALTH INSURANCE ESCROW					
Revenue	231,295.11	0.00	1,204,031.50	1,204,031.50	0.00
Expense	248,807.79	0.00	1,437,459.04	-1,437,459.04	0.00
Total Fund: 884 - GROUP HEALTH INSURANCE ESCROW:	-17,512.68	0.00	-233,427.54	-233,427.54	0.00
Fund: 886 - WORKMAN'S COMP DEDUCTIBLE FUND					
Revenue	48.08	0.00	274.48	274.48	0.00
Expense	70.40	0.00	372.40	-372.40	0.00
Total Fund: 886 - WORKMAN'S COMP DEDUCTIBLE FUND:	-22.32	0.00	-97.92	-97.92	0.00
Fund: 910 - POLICE PENSION - T & A					
Revenue	0.00	0.00	3,408.28	3,408.28	0.00
Expense	851.07	0.00	5,106.42	-5,106.42	0.00
Total Fund: 910 - POLICE PENSION - T & A:	-851.07	0.00	-1,698.14	-1,698.14	0.00
Fund: 913 - 911 COMMISION					
Revenue	163,915.06	0.00	290,376.22	290,376.22	0.00
Expense	81,430.37	0.00	454,522.83	-454,522.83	0.00
Total Fund: 913 - 911 COMMISION:	82,484.69	0.00	-164,146.61	-164,146.61	0.00
Report Total:	1,321,794.68	-3,209,803.25	5,950,545.76	9,160,349.01	-7,711,465.31

Fund Summary

Fund	November Activity	YTD Budget	YTD Activity	Variance Favorable (Unfavorable)	Total Budget
001 - GENERAL FUND	901,592.69	2,055.25	899,885.17	897,829.92	-0.46
010 - CASH FLOW RESERVE FUND	3,129.39	43,880.80	17,767.81	-26,112.99	105,314.00
030 - CAPITAL RESERVE	-306,971.53	26.65	-52,966.39	-52,993.04	0.00
031 - CAPITAL RSRV-BLDG MAINT	465.55	-74,291.65	82,643.26	156,934.91	-178,300.00
032 - CIP LARGE VEHICLE/EQUIPMI	-2,250.00	-132,517.85	-426,114.15	-293,596.30	-318,000.00
110 - ROAD USE TAX	219,597.95	-907,756.80	-124,972.57	782,784.23	-2,179,495.72
112 - EMPLOYEE BENEFITS FUND	359,619.99	30,779.10	831,060.12	800,281.02	73,870.00
117 - POLICE/FIRE RETIREMENT	151,031.59	12,742.15	334,331.81	321,589.66	30,096.00
119 - EMERGENCY FUND	31,669.88	2,766.65	118,976.16	116,209.51	6,640.00
121 - LOCAL OPTION SALES TAX	562,887.13	-654,629.95	1,069,473.50	1,724,103.45	-1,571,119.00
125 - TAX INCREMENT FINANCING	-16,392.10	-16,192.45	126,342.53	142,534.98	-38,862.00
126 - TIF-LMI	36.00	4.15	204.39	200.24	10.00
130 - CITY TORT LIABILITY	439,015.37	-3,968.65	117,450.53	121,419.18	-9,525.00
132 - GRANTS-STATE/LOCAL AGEN	-23,350.00	0.00	-45,280.00	-45,280.00	0.00
140 - PARK & REC DONATION FUNI	-935.58	-1,666.60	2,274.96	3,941.56	-4,000.00
141 - MTOWN TENNIS ASSOC	2.32	8.30	13.18	4.88	20.00
142 - SOFTBALL ASSOCIATION FUN	-217.50	6.95	-6,106.01	-6,112.96	0.13
144 - LIVE HEALTHY IOWA	6.59	61.10	3,531.48	3,470.38	148.88
145 - TORNADO GENERAL	-430,323.39	196,381.15	-1,370,257.34	-1,566,638.49	471,315.00
146 - FEMA VALOR	0.00	23,435.75	0.00	-23,435.75	56,246.00
147 - FEMA DEMO	0.00	25,000.00	-3,090.00	-28,090.00	60,000.00
148 - FEMA-COVID19	1,656.58	0.00	-20,067.33	-20,067.33	0.00
149 - FEMA - WINDS	-259,860.89	0.00	-1,773,786.20	-1,773,786.20	0.00
150 - COPS FAST GRANTS	-2,286.38	1,320.80	-5,685.20	-7,006.00	3,170.90
151 - DEPT OF JUSTICE GRANTS	0.00	1.65	4,053.63	4,051.98	0.00
152 - POLICE UNDESIGNATED GRAI	2,592.43	4,018.10	-19,691.58	-23,709.68	9,650.00
153 - POLICE DEPT DONATION FUN	112.89	-2,811.40	-133.08	2,678.32	-6,750.00
156 - FIRE DEPT DONATION FUND	8.57	-1,250.00	48.68	1,298.68	-3,000.00
157 - FIRE DEPT GRANTS	6.75	25.00	38.33	13.33	60.00
160 - ECONOMIC DEVELOPMENT C	68.86	145.80	390.99	245.19	350.00
161 - SURETY DEPOSITS/SUBDIVIDI	14.37	77.05	81.57	4.52	185.00
170 - LIBRARY DONATION FUND	-989.60	-15,120.80	-868.37	14,252.43	-36,300.00
177 - SEIZED ASSETS (POLICE)	-171.62	125.00	62.15	-62.85	300.00
179 - OTHER COMM AND ECON DE	102.55	0.00	582.23	582.23	0.00
180 - HOUSING GRANTS	36.06	0.00	204.73	204.73	0.00
182 - #4 HUD LEAD GRANT	0.00	0.00	-100.00	-100.00	0.00
183 - FY 08 EDI (ECON DEV INCENT	0.00	-266.55	0.00	266.55	-640.00
184 - VOUCHERS - 002, 003	7,002.70	10,369.95	34,468.82	24,098.87	24,841.91
189 - #6 HUD LEAD GRANT	10,131.68	241.30	5,610.07	5,368.77	-0.13
200 - GO BONDS DEBT FUND	-269,464.20	13,101.50	795,921.48	782,819.98	32,574.00

Monthly Budget Report - Marshalltown
For Fiscal: Current Period Ending: 11/30/2020

300 - CIP COLLECTION FUND	352,226.26	3,613.30	206,035.63	202,422.33	8,672.00
311 - RISE STREET GRANTS	-1,185.25	1,666.70	-17,906.95	-19,573.65	4,000.00
312 - AIRPORT PROJECT FUND	-18,337.71	0.00	1,995,352.69	1,995,352.69	0.00
320 - SPECIAL ASSESSMENT PROJEC	2,850.00	2,083.30	2,938.00	854.70	5,000.00
340 - BIKE PATH PROJECT FUND	-1,983.60	0.05	18,281.10	18,281.05	0.00
341 - TREES FOREVER PROJECT	267.98	0.00	375.41	375.41	0.00
350 - GO BONDS CAPITAL PROJECT	11.70	0.00	66.44	66.44	0.00
354 - POLICE & FIRE STATIONS	-11,692.69	0.00	-51,704.15	-51,704.15	0.00
355 - 2015 GO BONDS (D&D)	-933.81	-43,982.95	-142,443.74	-98,460.79	-105,600.00
357 - 2018 CY STREET PROJECTS	-90,265.11	8.30	-129,021.26	-129,029.56	0.00
360 - 2019 GO BONDS & PROJECTS	-258,669.64	-1,418,182.50	-596,157.14	822,025.36	-3,405,000.00
361 - LIBRARY BUILDING ADDITION	2.04	0.00	11.57	11.57	0.00
362 - 2020 GO BONDS	2,463.61	-216.60	1,888,119.90	1,888,336.50	0.00
381 - 2019 CY STREET,SIDEWALK,P	-1,039.03	-208,333.30	-220,938.70	-12,605.40	-500,000.00
383 - COLISEUM REMODEL	-339,711.49	-628,571.75	-1,553,997.93	-925,426.18	-1,508,583.00
392 - TIF DISTRICT III CAP PROJECT	9.26	0.00	-993.80	-993.80	0.00
395 - ECONOMIC DEVELOPMENT P	-84,826.95	0.00	-784,974.94	-784,974.94	0.00
610 - WATER POLLUTION CONTROL	517,251.72	312.30	0.00	-312.30	-0.41
611 - WPCP REVENUE	-314,010.55	29,828.20	1,616,238.10	1,586,409.90	71,528.00
612 - WPCP REVENUE BOND FUND	-15,387.74	-25.00	-228,872.50	-228,847.50	0.00
614 - WPCP CAPITAL IMPROVEMENT	1,404.03	10,416.65	7,971.70	-2,444.95	25,000.00
615 - WPCP PLANT & IMPROVEMENT	0.00	0.00	-2,336.75	-2,336.75	0.00
617 - SANITARY SEWER NEW CONS	164.00	6,458.30	564.00	-5,894.30	15,500.00
690 - TRANSIT OPERATING	105,227.71	2,248.50	61,646.97	59,398.47	5,168.08
740 - STORM SEWER UTILITY	23,586.70	220,492.70	243,201.12	22,708.42	528,975.31
741 - 2016 GO STORM WATER PRC	4,382.31	0.00	3,358,626.53	3,358,626.53	0.00
750 - COMPOSTING FACILITY	631.50	-852.25	-190.83	661.42	-2,069.63
751 - TORNADO - COMPOST	0.00	256,834.10	44,096.75	-212,737.35	616,439.00
760 - P&R CONCESSIONS ENTERPR	0.00	297.25	-4,933.70	-5,230.95	705.83
881 - OCCUPATIONAL INSURANCE	7,685.71	0.00	44,563.09	44,563.09	0.00
884 - GROUP HEALTH INSURANCE I	-17,512.68	0.00	-233,427.54	-233,427.54	0.00
886 - WORKMAN'S COMP DEDUCT	-22.32	0.00	-97.92	-97.92	0.00
910 - POLICE PENSION - T & A	-851.07	0.00	-1,698.14	-1,698.14	0.00
913 - 911 COMMISSION	82,484.69	0.00	-164,146.61	-164,146.61	0.00
Report Total:	1,321,794.68	-3,209,803.25	5,950,545.76	9,160,349.01	-7,711,465.31

RESOLUTION APPROVING CONTRACT CHANGE ORDER #2 FOR S. 3RD ST BRIDGE
REPAIR PROJECT # STR18003
A DECREASE OF \$440.05

WHEREAS the City of Marshalltown, Iowa, has heretofore entered into a contract with Jasper Construction Services, for the labor and material for S. 3rd St. Bridge Repair Project #STR18003.

WHEREAS a decrease is requested for items to complete the project.

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF MARSHALLTOWN, IOWA:

Section1. That the contract Change Order #2 for the S 3rd St Bridge Repair Project, in the decreased amount of \$440.05 is hereby accepted and approved.

Passed this 11th day of January 2021, and signed this _____ day of _____, 2021.

CITY OF MARSHALLTOWN, IOWA

Joel Greer, Mayor

ATTEST:

Alicia Hunter, City Clerk

CHANGE ORDER NO.: # 2 (Final)

Owner: City of Marshalltown	Owner's Project No.: STR-18003
Engineer: City of Marshalltown	Engineer's Project No.: STR-18003
Contractor: Jasper Construction Services, Inc.	Contractor's Project No.:
Project: 2018 S 3 rd St Bridge Repair	
Contract Name: 2018 S 3 rd St Bridge Repair	
Date Issued: January 4, 2021	Effective Date of Change Order: January 11, 2021

The Contract is modified as follows upon execution of this Change Order:

Description:

This change order reconciles the final as constructed quantities as measured in the field. This change order reduces the costs by an additional \$440.05. The total reduction of project costs were \$2,097.15 for a final project cost of \$135,811.85.

Attachments:

Change Order #2 Summary attached.

Change in Contract Price	Change in Contract Times
Original Contract Price: \$137,909.00	Original Contract Times: Substantial Completion: August 1, 2020 Ready for final payment: September 1, 2020
Decrease from previously approved Change Orders No. 1 to No. 1: \$1,657.10	No Change from previously approved Change Orders No. 1 to No. 1: Substantial Completion: No Change Ready for final payment: No Change
Contract Price prior to this Change Order: \$136,251.90	Contract Times prior to this Change Order: Substantial Completion: August 1, 2020 Ready for final payment: September 1, 2020
Decrease this Change Order: \$440.05	Increase this Change Order: Substantial Completion: November 1, 2020 Ready for final payment: January 11, 2021
Contract Price incorporating this Change Order: \$135,811.85	Contract Times with all approved Change Orders: Substantial Completion: November 1, 2020 Ready for final payment: January 11, 2021

Recommended by Engineer

By: _____
 Title: Civil Engineer II
 Date: 1/4/2021

Authorized by Owner

By: _____
 Title: Mayor
 Date: 1/11/2021

Accepted by Contractor

Approved by Funding Agency

Not Applicable

Change Order #2 Summary

Owner:	City of Marshalltown							STR18003
Engineer:	City of Marshalltown							STR18003
Contractor:	Jasper Construction Services, INC.							
Project:	2018 S 3rd St Bridge Repair							
Contract:	2019 S 3rd St Bridge Repair							
Change Order No.:	2 (Final)	Application Period:	From	11/01/20	to	12/22/20		01/11/21
Bid Item No.	Description	Contract Information				Work Completed		Change of Value this Change Order
		Item Quantity	Units	Unit Price	Value of Bid Item	Estimated Quantity Incorporated in the Work	Work Completed to Date	
Original Contract								
1	Concrete Panel Removal	500.00	SQYD	\$10.00	\$5,000.00	701.78	\$7,017.80	\$2,017.80
2	Preformed Elastic Neoprene Joint	146.00	FT	\$235.00	\$34,310.00	146.00	\$34,310.00	\$0.00
3	Neoprene Gland Installation and Testing	178.20	FT	\$235.00	\$41,877.00	178.20	\$41,877.00	\$0.00
4	Rock Flume	4.00	EA	\$2,500.00	\$10,000.00	4.00	\$10,000.00	\$0.00
5	Granular Fill	320.00	TONS	\$22.50	\$7,200.00	154.04	\$3,465.90	-\$3,734.10
6	Class A Riprap Revetment	330.00	TONS	\$25.00	\$8,250.00	381.05	\$9,526.25	\$1,276.25
7	Stormwater Pollution Plan	1.00	LS	\$250.00	\$250.00	1.00	\$250.00	\$0.00
8	Stormwater Management	1.00	LS	\$100.00	\$100.00	1.00	\$100.00	\$0.00
9	Seeding, Fertilizing, and Mulching	120.00	SQYD	\$5.00	\$600.00	120.00	\$600.00	\$0.00
10	Temporary Traffic Control	1.00	LS	\$9,000.00	\$9,000.00	1.00	\$9,000.00	\$0.00
11	Mobilization	1.00	LS	\$14,400.00	\$14,400.00	1.00	\$14,400.00	\$0.00
12	Railroad Protective Liability Insurance	1.00	LS	\$6,922.00	\$6,922.00	1.00	\$6,922.00	\$0.00
CO-1	Preformed Elastic Neoprene Joint (Emseal BEJS 2-3/4)	73.00	FT	-\$9.35	-\$682.55	73.00	-\$682.55	\$0.00
CO-2	Preformed Elastic Neoprene Joint (Emseal BEJS 2-1/4)	73.00	FT	-\$13.35	-\$974.55	73.00	-\$974.55	\$0.00
Contract Totals					\$136,251.90		\$135,811.85	-\$440.05

RESOLUTION APPROVING ENGINEER'S STATEMENT OF COMPLETION AND
ACCEPTING THE S. 3RD STREET BRIDGE REPAIR PROJECT, BEING PROJECT NO.
STR18003, WITH A FINAL PROJECT COST
IN THE AMOUNT OF \$135,811.85

WHEREAS, the City of Marshalltown, Iowa has heretofore entered into a contract for labor and material for the S. 3rd St Bridge Repair Project, and

WHEREAS, said project has been completed by Jasper Construction Service, Inc., pursuant to the plans and specifications all as is set forth in the Engineer's Statement of Completion covering said project.

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF MARSHALLTOWN, IOWA;

Section 1. That the labor and material for the 3rd Street Bridge Repair Project, being project No. STR18003, is hereby accepted pursuant to the Engineer's Statement of Completion and the City Clerk is hereby authorized and directed to do all things necessary to complete the contract with Jasper Construction Services, including the payment of the items called for in said contract and Statement of Completion.

Passed this 11th day of January, 2021 and signed this _____day of January, 2021

CITY OF MARSHALLTOWN

Joel Greer, Mayor

ATTEST:

Alicia Hunter, City Clerk

NOTICE OF ACCEPTABILITY OF WORK

Owner: City of Marshalltown Owner's Project No.: STR-18003
Engineer: Calhoun-Burns and Associates Engineer's Project No.: STR-18003
Contractor: Jasper Construction Services, Inc. Contractor's Project No.:
Project: STR-18003 South 3rd Street Bridge Repair
Contract Name: STR-18003 South 3rd Street Bridge Repair, Including Change Orders 1 and 2
Notice Date: January 4, 2021 Effective Date of the Construction Contract: 03/25/2020

The Engineer hereby gives notice to the Owner and Contractor that Engineer recommends final payment to Contractor, and that the Work furnished and performed by Contractor under the Construction Contract is acceptable, expressly subject to the provisions of the Construction Contract's Contract Documents ("Contract Documents"). This Notice of Acceptability of Work (Notice) is made expressly subject to the following terms and conditions to which all who receive and rely on said Notice agree:

This Notice has been prepared with the skill and care ordinarily used by members of the engineering profession practicing under similar conditions at the same time and in the same locality.

This Notice reflects and is an expression of the Engineer's professional opinion.

This Notice has been prepared to the best of Engineer's knowledge, information, and belief as of the Notice Date.

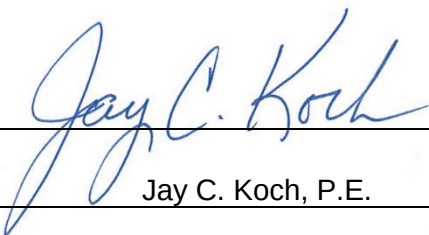
This Notice is based entirely on and applies only to facts that are within Engineer's knowledge or could reasonably have been ascertained by Engineer as a result of carrying out the responsibilities specifically assigned to Engineer.

This Notice is not a guarantee or warranty of Contractor's performance under the Construction Contract, an acceptance of Work that is not in accordance with the Contract Documents, including but not limited to defective Work discovered after final inspection, nor an assumption of responsibility for any failure of Contractor to furnish and perform the Work thereunder in accordance with the Contract Documents, or to otherwise comply with the Contract Documents or the terms of any special guarantees specified therein.

This Notice does not relieve Contractor of any surviving obligations under the Construction Contract, and is subject to Owner's reservations of rights with respect to completion and final payment.

Engineer:

By (signature):



Name (printed):

Jay C. Koch, P.E.

Title:

Civil Engineer II

CERTIFICATE OF SUBSTANTIAL COMPLETION

Owner: City of Marshalltown Owner's Project No.: STR18003
Engineer: Calhoun-Burns and Associates Engineer's Project No.: STR18003
Contractor: Jasper Construction Services, Inc. Contractor's Project No.:
Project: STR18003 South 3rd Street Bridge Repair
Contract Name: STR18003 South 3rd Street Bridge Repair, Including Change Orders 1 and 2

This ☐ Preliminary ☒ Final Certificate of Substantial Completion applies to:

☒ All Work ☐ The following specified portions of the Work:

Date of Substantial Completion: **November 1, 2020**

The Work to which this Certificate applies has been inspected by authorized representatives of Owner, Contractor, and Engineer, and found to be substantially complete. The Date of Substantial Completion of the Work or portion thereof designated above is hereby established, subject to the provisions of the Contract pertaining to Substantial Completion. The date of Substantial Completion in the final Certificate of Substantial Completion marks the commencement of the contractual correction period and applicable warranties required by the Contract.

A punch list of items to be completed or corrected is attached to this Certificate. This list may not be all-inclusive, and the failure to include any items on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

Amendments of contractual responsibilities recorded in this Certificate should be the product of mutual agreement of Owner and Contractor; see Paragraph 15.03.D of the General Conditions. The responsibilities between Owner and Contractor for security, operation, safety, maintenance, heat, utilities, insurance, and warranties upon Owner's use or occupancy of the Work must be as provided in the Contract, except as amended as follows:

Amendments to Owner's Responsibilities: ☒ None ☐ As follows:

Amendments to Contractor's Responsibilities: ☒ None ☐ As follows:

The following documents are attached to and made a part of this Certificate:

None

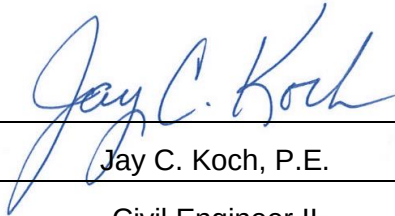
This Certificate does not constitute an acceptance of Work not in accordance with the Contract Documents, nor is it a release of Contractor's obligation to complete the Work in accordance with the Contract Documents.

Engineer:

By (signature):

Name (printed):

Title:


Jay C. Koch, P.E.
Civil Engineer II

**RESOLUTION AUTHORIZING THE PURCHASE OF PROPERTY
AT 406 WEST LINN STREET**

WHEREAS, the City of Marshalltown, Iowa, desires to acquire the property at 406 West Linn Street for the purposes of blight removal; and

WHEREAS, a written offer to buy said property in the amount of \$2,000 has been negotiated between the City and the owner, Michael Lindell; and

WHEREAS, the Council finds this purchase to be in the best interests of the City of Marshalltown, Iowa;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF MARSHALLTOWN, IOWA, that purchase of said property is hereby approved as part of the Dangerous and Dilapidated Building Program; and

BE IT FURTHER RESOLVED, the Mayor and the City Clerk for the City of Marshalltown are hereby authorized to enter into agreements on behalf of the City of Marshalltown to purchase said property at the above referenced price and to effectuate transfer as necessary.

Passed this 11th day of January, 2021, and signed this _____ day of January, 2021.

CITY OF MARSHALLTOWN, IOWA

Joel Greer, Mayor

ATTEST:

Alicia Hunter, City Clerk

**RESOLUTION AUTHORIZING AN AGREEMENT WITH EIDE BAILLY LLP TO CONTINUE
TO PROVIDE AUDIT SERVICES FOR THE CITY OF MARSHALLTOWN FOR FISCAL
YEARS ENDING JUNE 30, 2021 THROUGH JUNE 30, 2023**

WHEREAS, the City of Marshalltown had solicited proposals for auditing services for Fiscal Years 2013-2015 and an agreement with Eide Bailly LLP was approved; and

WHEREAS, the Council on April 11, 2016 approved a 3-year extension of Eide Bailly's contract for Fiscal Years 2016-2018 since Finance staff were implementing new accounting software; and

WHEREAS, the Council on January 28, 2019 approved a 2-year extension for Fiscal Years 2019-2020 due to the extra work involved with FEMA from the tornado; and

WHEREAS, Finance staff have now taken on extra work related to tracking DERECHO costs and FEMA compliance and are requesting a 3-year extension of Eide Bailly's contract for Fiscal Years 2021-2023; and

WHEREAS, Eide Bailly is already familiar with the City's accounting software and tracking of FEMA projects; and

WHEREAS, the Council finds this action is in the best interest of the City of Marshalltown, Iowa to now enter into the attached proposed agreement for auditing services;

THEREFORE, IT IS HEREBY RESOLVED BY THE CITY COUNCIL OF THE CITY OF MARSHALLTOWN, IOWA AS FOLLOWS:

Section 1. The attached proposal submitted by Eide Bailly LLP is hereby approved and accepted by the City of Marshalltown, Iowa.

Section 2. The Mayor and Finance Director are hereby authorized and directed to execute said Audit Services Agreement on behalf of the City of Marshalltown, Iowa.

Section 3. This Agreement shall be considered in full force and effect from and after its signature by all parties, as required.

Passed this 11th day of January, 2021, and signed this ____ day of January, 2021.

CITY OF MARSHALLTOWN, IOWA

Joel Greer, Mayor

ATTEST:

Alicia Hunter, City Clerk

MARSHALLTOWN

I O W A

Joel Greer, Mayor
Jessica Kinser, Administrator
Diana Steiner, Finance Director
24 North Center Street
Marshalltown, IA 50158-4911
Tel - (641) 754-5760
Fax - (641) 754-5781

FINANCE DEPARTMENT

January 7, 2021

To: Mayor Joel Greer
Members of the City Council

From: Diana Steiner, Finance Director

Re: Extend current audit services contract

Policy Issue: Per the City's Purchasing Policy, the Council must approve contracts equal to or greater than \$45,000.

Recommendation: Staff recommends extending the current auditor's contract for 3 more years.

Background: The City had solicited proposals for auditing services for Fiscal Years 2013-2015 and an agreement with Eide Bailly LLP was approved. Since the City was implementing new accounting software, the Council approved an extension for 3 more years (services for FY2016-2018 audits). Due to the extra workload on Finance staff from tracking tornado costs and FEMA compliance, Council agreed to extend the contract for 2 more years (services for FY2019-2020 audits). Due to the Covid-19 Pandemic and the FEMA Derecho project, staff are requesting a 3-year extension. Our current auditors are familiar with our accounting software and FEMA portal which they can access remotely. The following chart shows the base contract, which includes up to 2 major federal programs, and the fees for each additional federal program if necessary:

FY	Base	% change	Add'l Programs
2018	\$ 50,100	3.94%	\$ 3,240
2019	\$ 51,500	2.79%	\$ 3,300
2020	\$ 53,000	2.91%	\$ 3,360
2021	\$ 51,800	-2.26%	\$ 3,400
2022	\$ 53,700	3.67%	\$ 3,400
2023	\$ 55,600	3.54%	\$ 3,400

Budget Impact: \$.1,200 decrease for FY22's budget (FY21 audit), \$1,900 increase for FY23's budget (FY22 audit), and \$1,900 increase for FY24's budget (FY23 Audit).

Attachment: EideBailly quote for audit services

cc: Jessica Kinser, City Administrator

January 4, 2021

Ms. Diana Steiner, Finance Director
City of Marshalltown
24 N. Center Street
Marshalltown, IA 50158

Dear Ms. Steiner:

As requested by your correspondence dated January 4, 2021, I am pleased to submit a bid to continue to perform the audit for the City of Marshalltown. Our fees to perform the financial statement and single audits services, including REAC procedures, would be as follows:

Year ending June 30, 2021	\$	51,800
Year ending June 30, 2022	\$	53,700
Year ending June 30, 2023	\$	55,600

These fees include the audit of up to two major federal programs. The fees for each additional major federal program, if applicable, would be \$3,400 for each fiscal year.

We have enjoyed working with the City in the past and look forward to continuing the relationship. If you have any questions, feel free to contact me.

Sincerely,

EIDE BAILLY LLP



Brian Unsen, CPA
Partner

ACCEPTED BY THE CITY OF MARSHALLTOWN, IOWA

(Signature)

(Date)

(Title)

**RESOLUTION APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT
AND COST FOR THE 4th STREET AND MEADOW LANE STORM SEWER
ENHANCEMENTS PROJECT, IN THE CITY OF MARSHALLTOWN, IOWA,
BEING PROJECT NO. SMW17001**

WHEREAS, there was placed on file in the office of the Clerk of the City of Marshalltown, Iowa, proposed plans and specifications, proposed form of contract and estimated cost for a public improvement in the City of Marshalltown, Iowa, for the 4th Street and Meadow Lane Storm Sewer Enhancements Project, Project No. SMW17001, as fully set forth in the resolution ordering same, and that public notice of hearing on such plans, specifications and form of contract were duly published in the Marshalltown Times-Republican in time for hearing now before the Council, and

WHEREAS, written objections to the plans, specifications and form of contract have been called for and no such written objections have been filed with the City Clerk, and oral objections being called for and no oral objections being made in open Council, it is the decision of this Council that such plans, specifications, form of contract and estimate of cost should be approved.

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF MARSHALLTOWN, IOWA, that the plans, specifications, form of contract and estimated cost heretofore placed on file and upon which public notice has been duly given and no objections thereto have been made either in writing or in open council, the Council does now adopt and approve the plans, specifications, form of contract and estimate of cost for Project No SMW17001, being the 4th Street and Meadow Lane Storm Sewer Enhancements Project in the city of Marshalltown, Iowa.

Passed this 11th day of January, 2021, and signed this _____ day of January, 2021.

CITY OF MARSHALLTOWN, IOWA

Joel Greer, Mayor

ATTEST:

Alicia Hunter, City Clerk



Joel Greer, Mayor
Jessica Kinser, Administrator
Justin Nickel, Public Works Director
24 North Center Street
Marshalltown, IA 50158-4911
Tel - (641) 754-5760
Fax - (641) 754-5781

DEPARTMENT OF PUBLIC WORKS

December 15, 2020

To: Mayor Joel Greer
Members of the City Council

From: Jay C. Koch
Civil Engineer II

Re: Order Construction – 4th St. and Meadow LN. Storm Sewer Enhancements, Project No. SMW17001.

Policy Issue: City policy requires Governing Body approval of Resolution ordering construction.

Recommendation: Staff recommends approving the Resolution ordering construction of the 4th St. and Meadow LN. Storm Sewer Enhancements.

Background: Construction includes improvements to the drainage along South 4th Street from Ingledue Street to Meadow Lane. The project is a continuation of the High Street Drainage Project Completed in 2019. This enhancement will allow for storm waters to quickly drain from the City Streets and allow school children to cross streets safely. The project will extend piping to the east on several blocks to alleviate drainage issue areas.

Budget Impact: This project will be funded with Capital Improvement Funds and storm water 740 funds.

Attachment: None

cc: Jessica Kinser, City Administrator

City Council
Susan Cahill, Gary Thompson, Mike Gowdy,
Al Hoop, Gabriel Isom, Bill Martin, Bethany Wirin





4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS

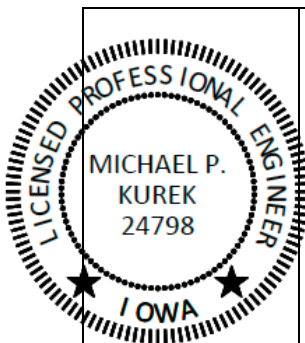
PROJECT NO. SMW17001

PREPARED BY:

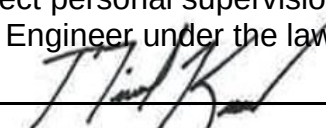
HDR ENGINEERING, INC.

5815 COUNCIL STREET NE STE B

CEDAR RAPIDS, IOWA, 52402



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Signature: 

Date: 12/14/2020

Name: Michael Kurek, P.E.

Iowa Reg. No. P24798

My license renewal date is December 31, 2021

Pages or sheets covered by this seal: ALL

TABLE OF CONTENTS

	Page
PART I – BIDDING AND CONTRACT DOCUMENTS.....	7
OFFICIAL NOTICE OF HEARING AND LETTING	9
INSTRUCTIONS TO BIDDERS FOR CONSTRUCTION CONTRACT.....	13
BIDDING DOCUMENTS.....	25
BID FORM FOR CONSTRUCTION CONTRACT	27
BID BOND (PENAL SUM FORM).....	37
BIDDERS QUALIFICATIONS STATEMENT	39
BIDDER STATUS FORM	43
CONTRACT DOCUMENTS.....	45
NOTICE OF AWARD.....	47
AGREEMENT BETWEEN OWNER AND CONTRACTOR FOR CONSTRUCTION CONTRACT (STIPULATED PRICE)	49
PERFORMANCE BOND	57
PAYMENT BOND	61
WARRANTY BOND.....	65
NOTICE TO PROCEED	67
CONTRACT CONDITIONS	69
STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT.....	71
SUPPLEMENTARY CONDITIONS OF THE CONSTRUCTION CONTRACT ..	153
ADDITIONAL FORMS.....	177
CERTIFICATE OF SUBSTANTIAL COMPLETION	179
NOTICE OF ACCEPTABILITY OF WORK	181
CONTRACTOR'S APPLICATION FOR PAYMENT	183
CHANGE ORDER NO.: [#]	191
FIELD ORDER NO.: [FO#]	193
SUPPLEMENTAL SPECIFICATIONS TO THE IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS)	195
DIVISION 1 – GENERAL PROVISIONS AND COVENANTS.....	197
(DELETE) SECTION 1010 – DEFINITIONS (SUDAS)	197
(DELETE) SECTION 1020 - PROPOSAL REQUIREMENTS AND CONDITION (SUDAS).....	197

(DELETE) SECTION 1030 - APPROVAL FOR AWARD AND AWARD OF CONTRACT (SUDAS).....	197
(DELETE) SECTION 1040 - SCOPE OF WORK (SUDAS).....	197
(DELETE) SECTION 1050 - CONTROL OF WORK (SUDAS).....	197
(DELETE) SECTION 1060 - CONTROL OF MATERIALS (SUDAS).....	197
(DELETE) SECTION 1070 - LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC (SUDAS).....	197
(DELETE) SECTION 1080 - PROSECUTION AND PROGRESS (SUDAS)	197
(ADD) OFFICIAL NOTICE OF HEARING AND LETTING (CITY OF MARSHALLTOWN).....	197
(ADD) EJCDC C 200 INSTRUCTIONS TO BIDDERS FOR CONSTRUCTION CONTRACT.....	197
(ADD) EJCDC C 410 BID FORM FOR CONSTRUCTION CONTRACT.	197
(ADD) EJCDC C 430 BID BOND (PENAL SUM FORM).	197
(ADD) EJCDC C 451 QUALIFICATIONS STATEMENT.....	197
(ADD) EJCDC C 510 NOTICE OF AWARD.	197
(ADD) EJCDC C 520 AGREEMENT BETWEEN OWNER AND CONTRACTOR FOR CONSTRUCTION CONTRACT (STIPULATED SUM).....	197
(ADD) EJCDC C 550 NOTICE TO PROCEED.....	197
(ADD) EJCDC C 610 PERFORMANCE BOND.....	197
(ADD) EJCDC C-615 PAYMENT BOND.	197
(ADD) EJCDC C 612 WARRANTY BOND.	198
(ADD) EJCDC C 700 STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT.....	198
(ADD) EJCDC C 800 SUPPLEMENTARY CONDITIONS OF THE CONSTRUCTION CONTRACT.....	198
(ADD) EJCDC C 625 CERTIFICATE OF SUBSTANTIAL COMPLETION.....	198
(ADD) EJCDC C 626 NOTICE OF ACCEPTABILITY OF WORK.....	198
(ADD) EJCDC C 620 CONTRACTOR'S APPLICATION FOR PAYMENT.	198
(ADD) EJCDC C 940 WORK CHANGE DIRECTIVE.....	198
(ADD) EJCDC C 941 CHANGE ORDER.....	198
(ADD) EJCDC C 942 FIELD ORDER.....	198
PART II – TECHNICAL SPECIFICATIONS.....	199
SECTION 01 11 00 - SUMMARY OF WORK (ADD)	201
SECTION 01 20 00 - MEASUREMENT AND PAYMENT (ADD).....	207

SECTION 01 25 00 - SUBSTITUTIONS (ADD).....	209
SECTION 01 31 13 - COORDINATION (ADD).....	211
SECTION 01 31 19 – PROJECT MEETINGS AND JOB SITE ADMINISTRATION (ADD)	213
SECTION 01 33 23 - SHOP DRAWINGS, PRODUCT DATA AND SAMPLES (ADD)	215
SECTION 01 35 13 - SPECIAL PROJECT PROCEDURES (ADD).....	217
SECTION 01 45 00 - QUALITY CONTROL (ADD).....	221
SECTION 01 50 00 - TEMPORARY FACILITIES (ADD).....	223
SECTION 01 57 00 - TEMPORARY CONTROLS (ADD)	227
SECTION 01 77 00 - CLOSEOUT PROCEDURES (ADD).....	229
DIVISION 2 - EARTHWORK	233
SECTION 2010 – EARTHWORK, SUBGRADE, AND SUBBASE	233
DIVISION 3 - TRENCH AND TRENCHLESS CONSTRUCTION	235
SECTION 3010 - TRENCH EXCAVATION AND BACKFILL	235
SECTION 3020 - TRENCHLESS CONSTRUCTION (BORING, JACKING, AND TUNNELING).....	235
DIVISION 4 - SEWERS AND DRAINS	239
SECTION 4010 - SANITARY SEWERS	239
SECTION 04020 - STORM SEWERS	265
SECTION 4030 - PIPE CULVERTS	267
SECTION 4040 - SUBDRAINS AND FOOTING DRAIN COLLECTORS	278
SECTION 4050 - PIPE REHABILITATION	284
SECTION 4060 - CLEANING, INSPECTION, AND TESTING OF SEWERS...	284
DIVISION 5 – WATER MAINS AND APPURTENANCES.....	287
NOT USED. SEE MARSHALLTOWN WATER WORKS RULES AND REGULATIONS.....	287
DIVISION 6 - STRUCTURES FOR SANITARY AND STORM SEWER	289
SECTION 6010 - STRUCTURES FOR SANITARY AND STORM SEWERS...	289
SECTION 6020 - REHABILITATION OF EXISTING MANHOLES	300
SECTION 6030 - CLEANING, INSPECTION, AND TESTING OF STRUCTURES	300
DIVISION 7 - STREETS AND RELATED WORK.....	301
SECTION 7010 -PORTLAND CEMENT CONCRETE PAVEMENT	301

SECTION 7011 - PORTLAND CEMENT CONCRETE OVERLAYS.....	310
SECTION 7020 - HOT MIX ASPHALT PAVEMENT.....	310
SECTION 7021 - HOT MIX ASPHALT OVERLAYS	315
SECTION 7030 - SIDEWALKS, SHARED USE PATHS, AND DRIVEWAYS...	315
SECTION 7040 - PAVEMENT REHABILITATION	336
SECTION 7050 - ASPHALT STABILIZATION.....	344
SECTION 7060 - BITUMINOUS SEAL COAT	344
SECTION 7070 - EMULSIFIED ASPHALT SLURRY SEAL	345
SECTION 7080 - PERMEABLE INTERLOCKING PAVERS	345
SECTION 7090 - COLD-IN-PLACE PAVEMENT RECYCLING	345
SECTION 7091 - FULL DEPTH RECLAMATION.....	346
DIVISION 8 – TRAFFIC CONTROL	347
SECTION 8010 - TRAFFIC SIGNALS.....	347
SECTION 8020 - PAVEMENT MARKINGS.....	347
SECTION 8030 - TEMPORARY TRAFFIC CONTROL	347
DIVISION 9 – SITE WORK AND LANDSCAPING	349
SECTION 9010 - SEEDING	349
SECTION 9020 - SODDING.....	350
SECTION 9030 - PLANT MATERIAL AND PLANTING.....	350
SECTION 9040 - EROSION AND SEDIMENT CONTROL	352
SECTION 9050 - GABIONS AND REVET MATTRESSES	353
SECTION 9060 - CHAIN LINK FENCE	353
SECTION 9070 - LANDSCAPE RETAINING WALLS	353
SECTION 9071 - SEGMENTAL BLOCK RETAINING WALLS.....	354
SECTION 9072 - COMBINED CONCRETE SIDEWALK AND RETAINING WALL.....	354
SECTION 9080 - CONCRETE STEPS, HANDRAILS, AND SAFETY RAIL.....	354
DIVISION 10 – DEMOLITION.....	355
SECTION 10,010 - DEMOLITION OF BUILDING STRUCTURES	355
DIVISION 11 – MISCELLANEOUS	357
SECTION 11,010 - CONSTRUCTION SURVEY	357
SECTION 11,020 – MOBILIZATION	357
SECTION 11,030 - TEMPORARY SERVICES DURING CONSTRUCTION	357

SECTION 11,040 - TEMPORARY SIDEWALK ACCESS.....	357
SECTION 11,050 - CONCRETE WASHOUT	357

PART I – BIDDING AND CONTRACT DOCUMENTS

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OFFICIAL NOTICE OF HEARING AND LETTING

CITY OF MARSHALLTOWN

MARSHALLTOWN, IOWA

4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS

PROJECT NO. SMW17001

NOTICE OF PUBLIC HEARING ON PROPOSED PLANS, SPECIFICATIONS, PROPOSED FORM OF CONTRACT AND ESTIMATED COST FOR THE 4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS IN THE CITY OF MARSHALLTOWN, IOWA, AND THE TAKING OF BIDS FOR SUCH IMPROVEMENTS.

A public hearing will be held at 5:30 p.m. local time on the 11th day of January 2021 in the Council Chambers, Second Floor, 10 West State Street, Marshalltown, Iowa, on the proposed plans, specifications, proposed form of contract, and the estimated cost of improvements proposed to be constructed under PROJECT NO. SMW17001, the 4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS is now on file in the office of the City Clerk and at said hearing any interested person may appear and file objection thereto or to the bidding process.

Sealed proposals based upon the proposed plans, specifications, proposed form of contract, estimated costs of improvement, will be received at the City Clerk's Office located at 24 N. Center Street, Marshalltown, IA until 10:00 a.m. local time, on the 19th day of January 2021 for the construction of the 4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS as described in the plans and specifications for Project No. SMW17001, and which will be opened, read, and tabulated by the City Engineer or his designate at that time, will be acted upon by the City Council of said City at a meeting to be held in the Council Chambers on the 25th day of January 2021 or at such later time and place as may then be fixed.

The proposed work will involve furnishing the labor, equipment, and materials necessary for constructing the 4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS in Marshalltown, Iowa as shown in the plans and specifications for PROJECT NO. SMW17001 the 4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS.

The estimated quantities of materials and labor to be furnished in the construction of said improvements and on which bids will be received are as follows:

BASE BID – STORM WATER ENHANCEMENTS				
Item No.	Bid Items	Division #1 Quantity	Division #2 Quantity	Unit
1	Filling and Plugging of Known Culverts, Pipes, and Conduits, RCP, 36 in.	50		Ft
2	Topsoil, Strip, Salvage and Spread, 8"	5208		SqYd
3	Excavation, Class 13, Roadway and Borrow	6971		CuYd
4	Subgrade Preparation	12992		SqYd
5	Subgrade Treatment, Geogrid	12992		SqYd
6	Subbase	12992		SqYd
7	Tree Removal	4		Each

BASE BID – STORM WATER ENHANCEMENTS				
Item No.	Bid Items	Division #1 Quantity	Division #2 Quantity	Unit
8	Remove & Replace Mailbox	15		Each
9	Sign Removal & Replacement	58		Each
10	Private Drain Connection	1		Each
11	Sump Pump Connection	5		Each
12	Special Backfill, Compaction, Removal, and Installation	1		LS
13	Granular Backfill		1275	Ton
14	Storm Sewer, Trenched, RCP, 18 in.	2570		Ft
15	Storm Sewer, Trenched, RCP, 24 in.	291		Ft
16	Storm Sewer, Trenched, RCP, 30 in.	438		Ft
17	Storm Sewer, Trenched, RCP, 36 in.	1860		Ft
18	Storm Sewer, Trenched, RCP, 48 in.	709		Ft
19	Removal of Storm Sewer, RCP, 12 in.	498		Ft
20	Removal of Storm Sewer, RCP, 15 in.	180		Ft
21	Removal of Storm Sewer, RCP, 18 in.	30		Ft
22	Removal of Storm Sewer, RCP, 24 in.	634		Ft
23	Removal of Storm Sewer, RCP, 30 in.	61		Ft
24	Removal of Storm Sewer, RCP, 36 in.	546		Ft
25	Removal of Storm Sewer, RCP, 40 in.	1412		Ft
26	Water Main, Trenched, PVC, 6 in.		1748	Ft
27	Water Main, Trenched, PVC, 6 in.		723	Ft
28	Fitting, 45 Degree Elbow, PVC, 6 in.		58	Each
29	Fitting, 45 Degree Elbow, PVC, 8 in.		54	Each
30	Fitting, Tee, PVC, 8x8x6 in.		6	Each
31	Fitting, Tee, PVC, 6x6x6 in.		2	Each
32	Fitting, Coupling, 6"		10	Each
33	Fitting, Coupling, 8"		4	Each
34	Retainer Gland, 6"		108	Each
35	Retainer Gland, 8"		56	Each
36	Mechanical Joint Adapter, 6"		5	Each
37	Mechanical Joint Adapter, 8"		5	Each
38	Water Service Stub, Copper, 3/4"	6		Each
39	Water Service Stub, Copper, 1 in.	0		Each
40	Water Service Stub, Copper, 1-1/2 in.	0		Each
41	Water Service Stub, Copper, 2 in.	0		Each
42	Water Service Pipe, Copper, ¾ in.		22	Ft
43	Water Service Corporation, ¾ in.		3	Each
44	Valve, Gate, PVC, 6 in.		9	Each
45	Valve, Gate, PVC, 8 in.		6	Each
46	Fire Hydrant Assembly		4	Each
47	Fire Hydrant Adjustment	1		Each
48	Fire Hydrant Assembly Removal		1	Each

BASE BID – STORM WATER ENHANCEMENTS				
Item No.	Bid Items	Division #1 Quantity	Division #2 Quantity	Unit
49	Manhole, SW-401, 60 in.	5		Each
50	Manhole, SW-401, 72 in.	3		Each
51	Manhole, SW-401, 84 in.	5		Each
52	Manhole, SW-401, 96 in.	1		Each
53	Intake, SW-513	2		Each
54	Intake, SW-507	14		Each
55	Intake, SW-508	3		Each
56	Intake, SW-508 CIP	8		Each
57	Intake, SW-541	25		Each
58	Manhole Adjustment, Minor	19		Each
59	Connection to Existing Intake	1		Each
60	Remove Manhole	7		Each
61	Remove Intake	26		Each
62	Curb and Gutter, 2.5 ft. (Width), 6 in. (Thickness)	6175		Ft
63	Pavement, HMA, 7 in.	4527		Ton
64	HMA Overlay, 2 in.	4076		SqYd
65	Removal of Sidewalk	1306		SqYd
66	Removal of Driveway	1057		SqYd
67	Sidewalk, PCC, 5 in.	1436		SqYd
68	Sidewalk, PCC, 6 in.	204		SqYd
69	Detectable Warning	419		SqFt
70	Driveway, Paved, PCC, 6 in.	1199		SqYd
71	Milling, Variable Depth	4076		SqYd
72	Pavement Removal	12317		SqYd
73	Permanent Tape Markings	7		STA
74	Temporary Traffic Control	1		LS
75	Conventional Seeding, Seeding, Fertilizing, and Mulching	1.2		Acre
76	SWPPP Preparation	1		LS
77	SWPPP Management	1		LS
78	Turf Reinforcement Mats, Type 4	110		SF
79	Inlet Protection Device, Filter Sock	53		Each
80	Construction Survey	1		LS
81	Mobilization	1		LS
82	Maintenance of Postal Service	1		LS
83	Maintenance of Solid Waste Collection	1		LS
84	Concrete Washout	1		LS
85	Compaction Testing	1		LS
86	Trench Compaction Testing	1		LS
87	HMA Pavement Samples and Testing	1		LS

All work is to be done in strict compliance with the Plans and Specifications for said PROJECT NO. 05242017 as proposed by the City Engineer.

Obtaining the Bidding Documents

Plans, specifications and proposed contract documents may be examined at the office of the City Engineer, Marshalltown, Iowa, and at the office of the City Clerk, Marshalltown, Iowa. Bidding Documents may be downloaded from the City of Marshalltown's web site upon registration at no cost. The documents may be downloaded at <https://www.marshalltown-ia.gov/Bids.aspx>.

A deposit of \$25 per paper set of Bidding Requirements and Contract Documents will be charged, all of which will be refunded if the paper documents are returned in reusable condition within 14 days of the Award of Contract. If all paper documents are not returned in reusable condition and within 14 days, the deposit will be forfeited.

Pre-bid Conference

A pre-bid conference will not be held for the Project.

Instructions to Bidders.

A Bid must be accompanied by Bid security made payable to Owner in an amount of ten (10) percent of Bidder's maximum Bid price (determined by adding the base bid and all alternates) and in the form of a Bid bond issued by a surety meeting the requirements of Paragraph 6.01 of the General Conditions or a certified check in an amount equal to ten percent (10%) of the total amount of the bid, drawn on and certified payable by a solvent bank to the City Treasurer of the City. Such Bid bond will be issued in the form included in the Bidding Documents.

For all further requirements regarding bid submittal, qualifications, procedures, and contract award, refer to the Instructions to Bidders that are included in the Bidding Documents.

The City Council reserves the right to reject any and all bids and to waive technicalities and irregularities and all bids must remain effective for a period of 30 days of opening same.

This Notice to Bidders is hereby published by authority of resolution duly adopted by the Council of the City of Marshalltown on the 28th day of January 2020.

Owner: City of Marshalltown
By: Alicia Hunter
Title: City Clerk

INSTRUCTIONS TO BIDDERS FOR CONSTRUCTION CONTRACT

TABLE OF CONTENTS

	Page
ARTICLE 1— DEFINED TERMS	14
ARTICLE 2— BIDDING DOCUMENTS.....	14
ARTICLE 3— QUALIFICATIONS OF BIDDERS.....	14
ARTICLE 4— PRE-BID CONFERENCE	15
ARTICLE 5— SITE AND OTHER AREAS; EXISTING SITE CONDITIONS; EXAMINATION OF SITE; OWNER'S SAFETY PROGRAM; OTHER WORK AT THE SITE	15
ARTICLE 6— BIDDER'S REPRESENTATIONS AND CERTIFICATIONS	17
ARTICLE 7— INTERPRETATIONS AND ADDENDA.....	17
ARTICLE 8— BID SECURITY	17
ARTICLE 9— CONTRACT TIMES.....	18
ARTICLE 10— SUBSTITUTE AND "OR EQUAL" ITEMS.....	18
ARTICLE 11— SUBCONTRACTORS, SUPPLIERS, AND OTHERS	19
ARTICLE 12— PREPARATION OF BID	19
ARTICLE 13— BASIS OF BID	20
ARTICLE 14— SUBMITTAL OF BID.....	21
ARTICLE 16— OPENING OF BIDS.....	22
ARTICLE 17— BIDS TO REMAIN SUBJECT TO ACCEPTANCE.....	22
ARTICLE 18— EVALUATION OF BIDS AND AWARD OF CONTRACT	23
ARTICLE 19— BONDS AND INSURANCE	23
ARTICLE 20— SIGNING OF AGREEMENT	24
ARTICLE 21— SALES AND USE TAXES	24
ARTICLE 22— PREFERENCE FOR IOWA PRODUCTS.....	24
ARTICLE 23— ENGINEER INFORMATION	24

ARTICLE 1—DEFINED TERMS

1.01 Terms used in these Instructions to Bidders have the meanings indicated in the General Conditions and Supplementary Conditions. Additional terms used in these Instructions to Bidders have the meanings indicated below:

- A. *Issuing Office*—The office from which the Bidding Documents are to be issued, and which registers plan holders.

ARTICLE 2—BIDDING DOCUMENTS

- 2.01 Bidder shall obtain a complete set of Bidding Requirements and proposed Contract Documents (together, the Bidding Documents). See the Agreement for a list of the Contract Documents. It is Bidder's responsibility to determine that it is using a complete set of documents in the preparation of a Bid. Bidder assumes sole responsibility for errors or misinterpretations resulting from the use of incomplete documents, by Bidder itself or by its prospective Subcontractors and Suppliers.
- 2.02 Bidding Documents are made available for the sole purpose of obtaining Bids for completion of the Project and permission to download or distribution of the Bidding Documents does not confer a license or grant permission or authorization for any other use. Authorization to download documents, or other distribution, includes the right for plan holders to print documents solely for their use, and the use of their prospective Subcontractors and Suppliers, provided the plan holder pays all costs associated with printing or reproduction. Printed documents may not be re-sold under any circumstances.
- 2.03 Owner has established a Bidding Documents Website as indicated in the Advertisement or invitation to bid. Owner requires that Bidder register as a plan holder with the Issuing Office at such website, and obtain a complete set of the Bidding Documents from such website. Bidders may rely that sets of Bidding Documents obtained from the Bidding Documents Website are complete, unless an omission is blatant. Registered plan holders will receive Addenda issued by Owner.
- 2.04 Plan rooms (including construction information subscription services, and electronic and virtual plan rooms) may distribute the Bidding Documents, or make them available for examination. Those prospective bidders that obtain an electronic (digital) copy of the Bidding Documents from a plan room are encouraged to register as plan holders from the Bidding Documents Website or Issuing Office. Owner is not responsible for omissions in Bidding Documents or other documents obtained from plan rooms, or for a Bidder's failure to obtain Addenda from a plan room.

ARTICLE 3—QUALIFICATIONS OF BIDDERS

- 3.01 Information presented at the pre-Bid conference does not alter the Contract Documents. Owner will issue Addenda to make any changes to the Contract Documents that result from discussions at the pre-Bid conference. Information

presented, and statements made at the pre-bid conference will not be binding or legally effective unless incorporated in an Addendum.

ARTICLE 4—PRE-BID CONFERENCE

4.01 A pre-bid conference will not be conducted for this Project.

ARTICLE 5—SITE AND OTHER AREAS; EXISTING SITE CONDITIONS; EXAMINATION OF SITE; OWNER’S SAFETY PROGRAM; OTHER WORK AT THE SITE

5.01 *Site and Other Areas*

- A. The Site is identified in the Bidding Documents. By definition, the Site includes rights-of-way, easements, and other lands furnished by Owner for the use of the Contractor. Any additional lands required for temporary construction facilities, construction equipment, or storage of materials and equipment, and any access needed for such additional lands, are to be obtained and paid for by Contractor.

5.02 *Existing Site Conditions*

- A. Subsurface and Physical Conditions; Hazardous Environmental Conditions
 - 1. The Supplementary Conditions identify the following regarding existing conditions at or adjacent to the Site:
 - a. Those reports of explorations and tests of subsurface conditions at or adjacent to the Site that contain Technical Data.
 - b. Those drawings known to Owner of existing physical conditions at or adjacent to the Site, including those drawings depicting existing surface or subsurface structures at or adjacent to the Site (except Underground Facilities), that contain Technical Data.
 - c. Reports and drawings known to Owner relating to Hazardous Environmental Conditions that have been identified at or adjacent to the Site.
 - d. Technical Data contained in such reports and drawings.
 - 2. Owner will make copies of reports and drawings referenced above available to any Bidder on request. These reports and drawings are not part of the Contract Documents, but the Technical Data contained therein upon whose accuracy Bidder is entitled to rely, as provided in the General Conditions, has been identified and established in the Supplementary Conditions. Bidder is responsible for any interpretation or conclusion Bidder draws from any Technical Data or any other data, interpretations, opinions, or information contained in such reports or shown or indicated in such drawings.
 - 3. If the Supplementary Conditions do not identify Technical Data, the default definition of Technical Data set forth in Article 1 of the General Conditions will apply.

4. *Underground Facilities:* Underground Facilities are shown or indicated on the Drawings, pursuant to Paragraph 5.05 of the General Conditions, and not in the drawings referred to in Paragraph 5.02.A of these Instructions to Bidders. Information and data regarding the presence or location of Underground Facilities are not intended to be categorized, identified, or defined as Technical Data.

5.03 *Other Site-related Documents*

- A. No other Site-related documents are available.

5.04 *Site Visit and Testing by Bidders*

- A. Bidder is required to visit the Site and conduct a thorough visual examination of the Site and adjacent areas. During the visit the Bidder must not disturb any ongoing operations at the Site.
- B. Bidder is not required to conduct any subsurface testing, or exhaustive investigations of Site conditions.
- C. On request, and to the extent Owner has control over the Site, and schedule permitting, the Owner will provide Bidder general access to the Site to conduct such additional examinations, investigations, explorations, tests, and studies as Bidder deems necessary for preparing and submitting a successful Bid. Owner will not have any obligation to grant such access if doing so is not practical because of existing operations, security or safety concerns, or restraints on Owner's authority regarding the Site. Bidder is responsible for establishing access needed to reach specific selected test sites.
- D. Bidder must comply with all applicable Laws and Regulations regarding excavation and location of utilities, obtain all permits, and comply with all terms and conditions established by Owner or by property owners or other entities controlling the Site with respect to schedule, access, existing operations, security, liability insurance, and applicable safety programs.
- E. Bidder must fill all holes and clean up and restore the Site to its former condition upon completion of such explorations, investigations, tests, and studies.

5.05 *Owner's Safety Program*

- A. Site visits and work at the Site may be governed by an Owner safety program. If an Owner safety program exists, it will be noted in the Supplementary Conditions.

5.06 *Other Work at the Site*

- A. Reference is made to Article 8 of the Supplementary Conditions for the identification of the general nature of other work of which Owner is aware (if any) that is to be performed at the Site by Owner or others (such as utilities and other prime contractors) and relates to the Work contemplated by these Bidding Documents. If Owner is party to a written contract for such other

work, then on request, Owner will provide to each Bidder access to examine such contracts (other than portions thereof related to price and other confidential matters), if any.

ARTICLE 6—BIDDER’S REPRESENTATIONS AND CERTIFICATIONS

6.01 *Express Representations and Certifications in Bid Form, Agreement*

- A. The Bid Form that each Bidder will submit contains express representations regarding the Bidder’s examination of Project documentation, Site visit, and preparation of the Bid, and certifications regarding lack of collusion or fraud in connection with the Bid. Bidder should review these representations and certifications, and assure that Bidder can make the representations and certifications in good faith, before executing and submitting its Bid.
- B. If Bidder is awarded the Contract, Bidder (as Contractor) will make similar express representations and certifications when it executes the Agreement.

ARTICLE 7—INTERPRETATIONS AND ADDENDA

- 7.01 Owner on its own initiative may issue Addenda to clarify, correct, supplement, or change the Bidding Documents.
- 7.02 Bidder shall submit all questions about the meaning or intent of the Bidding Documents to Engineer in writing. Contact information and submittal procedures for such questions are as follows:
 - A. Submit questions to:
 - 1. HDR Engineering
 - 2. Michael Kurek (Michael.kurek@hdrinc.com)
 - 3. Please send questions via email with subject header: “Marshalltown Storm Sewer Enhancements | Prebid Question”
 - 4. Include Jay Koch as a CC. (jkoch@marshalltown-ia.gov)
- 7.03 Interpretations or clarifications considered necessary by Engineer in response to such questions will be issued by Addenda delivered to all registered plan holders. Questions received less than seven days prior to the date for opening of Bids may not be answered.
- 7.04 Only responses set forth in an Addendum will be binding. Oral and other interpretations or clarifications will be without legal effect. Responses to questions are not part of the Contract Documents unless set forth in an Addendum that expressly modifies or supplements the Contract Documents.

ARTICLE 8—BID SECURITY

- 8.01 A Bid must be accompanied by Bid security made payable to Owner in an amount of **ten (10)** percent of Bidder’s maximum Bid price (determined by adding the base bid and all alternates) and in the form of a Bid bond issued by a surety meeting the requirements of Paragraph 6.01 of the General Conditions or a certified check in an amount equal to ten percent (10%) of the total amount of the

bid, drawn on and certified payable by a solvent bank to the City Treasurer of the City. Such Bid bond will be issued in the form included in the Bidding Documents.

- 8.02 The Bid security of the apparent Successful Bidder will be retained until Owner awards the contract to such Bidder, and such Bidder has executed the Contract, furnished the required Contract security, and met the other conditions of the Notice of Award, whereupon the Bid security will be released. If the Successful Bidder fails to execute and deliver the Contract and furnish the required Contract security within 15 days after the Notice of Award, Owner may consider Bidder to be in default, annul the Notice of Award, and the Bid security of that Bidder will be forfeited, in whole in the case of a penal sum bid bond, and to the extent of Owner's damages in the case of a damages-form bond. Such forfeiture will be Owner's exclusive remedy if Bidder defaults.
- 8.03 The Bid security of other Bidders that Owner believes to have a reasonable chance of receiving the award may be retained by Owner until the earlier of 7 days after the Effective Date of the Contract or 31 days after the Bid opening, whereupon Bid security furnished by such Bidders will be released.
- 8.04 Bid security of other Bidders that Owner believes do not have a reasonable chance of receiving the award will be released within 7 days after the Bid opening.

ARTICLE 9—CONTRACT TIMES

- 9.01 The number of days within which, or the dates by which, the Work is to be (a) substantially completed and (b) ready for final payment are set forth in the Agreement.
- 9.02 Provisions for liquidated damages, if any, for failure to timely attain Substantial Completion or completion of the Work in readiness for final payment, are set forth in the Agreement.

ARTICLE 10—SUBSTITUTE AND “OR EQUAL” ITEMS

- 10.01 The Contract for the Work, as awarded, will be on the basis of materials and equipment specified or described in the Bidding Documents without consideration during the bidding and Contract award process of possible substitute or “or-equal” items. In cases in which the Contract allows the Contractor to request that Engineer authorize the use of a substitute or “or-equal” item of material or equipment, application for such acceptance may not be made to and will not be considered by Engineer until after the Effective Date of the Contract.
- 10.02 All prices that Bidder sets forth in its Bid will be based on the presumption that the Contractor will furnish the materials and equipment specified or described in the Bidding Documents, as supplemented by Addenda. Any assumptions

regarding the possibility of post-Bid approvals of “or-equal” or substitution requests are made at Bidder’s sole risk.

ARTICLE 11—SUBCONTRACTORS, SUPPLIERS, AND OTHERS

- 11.01 The apparent Successful Bidder, and any other Bidder so requested, must submit to Owner a list of the Subcontractors or Suppliers proposed for the following portions of the Work within five days after Bid opening:
- A. Water Main Construction
- 11.02 Such list must be accompanied by an experience statement with pertinent information regarding similar projects and other evidence of qualification for each such Subcontractor or Supplier. If Owner or Engineer, after due investigation, has reasonable objection to any proposed Subcontractor, Supplier, individual, or entity, Owner may, before the Notice of Award is given, request apparent Successful Bidder to submit an acceptable substitute, without an increase in Bid price.
- 11.03 If apparent Successful Bidder declines to make any such substitution, Owner may award the Contract to the next lowest Bidder that proposes to use acceptable Subcontractors and Suppliers. Declining to make requested substitutions will not constitute grounds for forfeiture of the Bid security of any Bidder. Any Subcontractor or Supplier, so listed and against which Owner or Engineer makes no written objection prior to the giving of the Notice of Award will be deemed acceptable to Owner and Engineer subject to subsequent revocation of such acceptance as provided in Paragraph 7.07 of the General Conditions.
- 11.04 Contractor shall not be required to employ any Subcontractor, Supplier, individual, or entity against whom Contractor has reasonable objection.
- 11.05 The Contractor shall not award work to Subcontractor(s) in excess of the limits stated in SC 7.07.

ARTICLE 12—PREPARATION OF BID

- 12.01 The Bid Form is included with the Bidding Documents.
- A. All blanks on the Bid Form must be completed in ink and the Bid Form signed in ink. Erasures or alterations must be initialed in ink by the person signing the Bid Form. A Bid price must be indicated for each section, Bid item, alternate, adjustment unit price item, and unit price item listed therein.
- B. If the Bid Form expressly indicates that submitting pricing on a specific alternate item is optional, and Bidder elects to not furnish pricing for such optional alternate item, then Bidder may enter the words “No Bid” or “Not Applicable.”
- 12.02 If Bidder has obtained the Bidding Documents as Electronic Documents, then Bidder shall prepare its Bid on a paper copy of the Bid Form printed from the Electronic Documents version of the Bidding Documents. The printed copy of the Bid Form must be clearly legible, printed on 8½ inch by 11-inch paper and as closely identical in appearance to the Electronic Document version of the Bid

Form as may be practical. The Owner reserves the right to accept Bid Forms which nominally vary in appearance from the original paper version of the Bid Form, providing that all required information and submittals are included with the Bid.

- 12.03 A Bid by a corporation must be executed in the corporate name by a corporate officer (whose title must appear under the signature), accompanied by evidence of authority to sign. The corporate address and state of incorporation must be shown.
- 12.04 A Bid by a partnership must be executed in the partnership name and signed by a partner (whose title must appear under the signature), accompanied by evidence of authority to sign. The official address of the partnership must be shown.
- 12.05 A Bid by a limited liability company must be executed in the name of the firm by a member or other authorized person and accompanied by evidence of authority to sign. The state of formation of the firm and the official address of the firm must be shown.
- 12.06 A Bid by an individual must show the Bidder's name and official address.
- 12.07 A Bid by a joint venture must be executed by an authorized representative of each joint venturer in the manner indicated on the Bid Form. The joint venture must have been formally established prior to submittal of a Bid, and the official address of the joint venture must be shown.
- 12.08 All names must be printed in ink below the signatures.
- 12.09 The Bid must contain an acknowledgment of receipt of all Addenda, the numbers of which must be filled in on the Bid Form.
- 12.10 Postal and e-mail addresses and telephone number for communications regarding the Bid must be shown.
- 12.11 The Bid must contain evidence of Bidder's authority to do business in the state where the Project is located, or Bidder must certify in writing that it will obtain such authority within the time for acceptance of Bids and attach such certification to the Bid.
- 12.12 If Bidder is required to be licensed to submit a Bid or perform the Work in the state where the Project is located, the Bid must contain evidence of Bidder's licensure, or Bidder must certify in writing that it will obtain such licensure within the time for acceptance of Bids and attach such certification to the Bid. Bidder's state contractor license number, if any, must also be shown on the Bid Form.

ARTICLE 13—BASIS OF BID

13.01 *Unit Price*

- A. Bidders must submit a Bid on a unit price basis for each item of Work listed in the unit price section of the Bid Form.

- B. The “Bid Price” (sometimes referred to as the extended price) for each unit price Bid item will be the product of the “Estimated Quantity”, which Owner or its representative has set forth in the Bid Form, for the item and the corresponding “Bid Unit Price” offered by the Bidder. The total of all unit price Bid items will be the sum of these “Bid Prices”; such total will be used by Owner for Bid comparison purposes. The final quantities and Contract Price will be determined in accordance with Paragraph 13.03 of the General Conditions.
- C. Discrepancies between the multiplication of units of Work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

13.02 Allowances

- A. For cash allowances the Bid price must include such amounts as the Bidder deems proper for Contractor's overhead, costs, profit, and other expenses on account of cash allowances, if any, named in the Contract Documents, in accordance with Paragraph 13.02.B of the General Conditions.

ARTICLE 14—SUBMITTAL OF BID

- 14.01 The Bidding Documents include ~~one separate unbound copy of the Bid Form, and, if required, the Bid Bond Form, and other required documents.~~ The ~~unbound copy of the Bid Form~~ is to be completed and submitted with the Bid security and the other documents required to be submitted under the terms of Article 2 of the Bid Form.
- 14.02 A Bid must be received no later than the date and time prescribed and at the place indicated in the Advertisement or invitation to bid and must be enclosed in a plainly marked package with the Project title, and, if applicable, the designated portion of the Project for which the Bid is submitted, the name and address of Bidder, and must be accompanied by the Bid security and other required documents. If a Bid is sent by mail or other delivery system, the sealed envelope containing the Bid must be enclosed in a separate package plainly marked on the outside with the notation “BID ENCLOSED.” A mailed Bid must be addressed to the location designated in the Advertisement.
- 14.03 Bids received after the date and time prescribed for the opening of bids, or not submitted at the correct location or in the designated manner, will not be accepted and will be returned to the Bidder unopened.

ARTICLE 15—MODIFICATION AND WITHDRAWAL OF BID

- 15.01 An unopened Bid may be withdrawn by an appropriate document duly executed in the same manner that a Bid must be executed and delivered to the place

where Bids are to be submitted prior to the date and time for the opening of Bids. Upon receipt of such notice, the unopened Bid will be returned to the Bidder.

15.02 If a Bidder wishes to modify its Bid prior to Bid opening, Bidder must withdraw its initial Bid in the manner specified in Paragraph 15.01 and submit a new Bid prior to the date and time for the opening of Bids.

15.03 If within 24 hours after Bids are opened any Bidder files a duly signed written notice with Owner and promptly thereafter demonstrates to the reasonable satisfaction of Owner that there was a material and substantial mistake in the preparation of its Bid, the Bidder may withdraw its Bid, and the Bid security will be returned. Thereafter, if the Work is rebid, the Bidder will be disqualified from further bidding on the Work.

ARTICLE 16—OPENING OF BIDS

16.01 Bids will be opened at the time and place indicated in the advertisement or invitation to bid and, unless obviously non-responsive, read aloud publicly. An abstract of the amounts of the base Bids and major alternates, if any, will be made available to Bidders after the opening of Bids.

16.02 Due to the safety of the public and the current situation with COVID-19, the following changes have been made on how bids will be submitted and read:

- A. You are strongly encouraged to submit your bid via mail.
- B. If you do not mail your bid, bidders are encouraged to call ahead and arrange a time for when they will drop off their bid.
- C. If you do not mail your bid, when arriving at city hall you must call 641-754-5701 to meet the city clerk at the door.
- D. Please write a contact email on your proposal envelope for who should be contacted from your company with results.
- E. Bid reading will not be open to the public but can be attended via go to meeting video conference. The GoToMeeting login and registration information will be provided via City Web Site prior to the letting.
- F. New to GoToMeeting? Get the app now and be ready when your first meeting starts: <https://global.gotomeeting.com/install/>.

16.03 City building access is restricted at this time.

ARTICLE 17—BIDS TO REMAIN SUBJECT TO ACCEPTANCE

17.01 All Bids will remain subject to acceptance for the period of time stated in the Bid Form, but Owner may, in its sole discretion, release any Bid and return the Bid security prior to the end of this period.

- 17.02 Should there be any reason why the contract cannot be awarded within the period of time stated in the Bid Form, the time may be extended by mutual agreement between the Owner and the apparent successful Bidder.

ARTICLE 18—EVALUATION OF BIDS AND AWARD OF CONTRACT

- 18.01 Owner reserves the right to reject any or all Bids, including without limitation, nonconforming, nonresponsive, unbalanced, or conditional Bids. Owner also reserves the right to waive all minor Bid informalities not involving price, time, or changes in the Work.
- 18.02 Owner will reject the Bid of any Bidder that Owner finds, after reasonable inquiry and evaluation, to not be responsible.
- 18.03 If Bidder purports to add terms or conditions to its Bid, takes exception to any provision of the Bidding Documents, or attempts to alter the contents of the Contract Documents for purposes of the Bid, whether in the Bid itself or in a separate communication to Owner or Engineer, then Owner will reject the Bid as nonresponsive.
- 18.04 If Owner awards the contract for the Work, such award will be to the responsible Bidder submitting the lowest responsive Bid.
- 18.05 *Evaluation of Bids*
- A. In evaluating Bids, Owner will consider whether the Bids comply with the prescribed requirements, and such alternates, unit prices, and other data, as may be requested in the Bid Form or prior to the Notice of Award.
 - B. For the determination of the apparent low Bidder when unit price bids are submitted, Bids will be compared on the basis of the total of the products of the estimated quantity of each item and unit price Bid for that item, together with any lump sum items.
 - C. This procedure is only used to determine the lowest bid for comparison and contractor selection purposes. The Contract Price for compensation and payment purposes remains the Bid price shown in the Bid Form.
- 18.06 In evaluating whether a Bidder is responsible, Owner will consider the qualifications of the Bidder and may consider the qualifications and experience of Subcontractors and Suppliers proposed for those portions of the Work for which the identity of Subcontractors and Suppliers must be submitted as provided in the Bidding Documents.
- 18.07 Owner may conduct such investigations, as Owner deems necessary to establish the responsibility, qualifications, and financial ability of Bidders and any proposed Subcontractors or Suppliers.

ARTICLE 19—BONDS AND INSURANCE

- 19.01 Article 6 of the General Conditions, as may be modified by the Supplementary Conditions, sets forth Owner's requirements as to performance and payment bonds, other required bonds (if any), and insurance. When the Successful Bidder

delivers the executed Agreement to Owner, it must be accompanied by required bonds and insurance documentation.

19.02 Article 8, Bid Security, of these Instructions, addresses any requirements for providing bid bonds as part of the bidding process.

ARTICLE 20—SIGNING OF AGREEMENT

20.01 When Owner issues a Notice of Award to the Successful Bidder, it will be accompanied by the unexecuted counterparts of the Agreement along with the other Contract Documents as identified in the Agreement. Within 15 days thereafter, Successful Bidder must execute and deliver the required number of counterparts of the Agreement and any bonds and insurance documentation required to be delivered by the Contract Documents to Owner. Within 10 days thereafter, Owner will deliver one fully executed counterpart of the Agreement to Successful Bidder, together with printed and electronic copies of the Contract

ARTICLE 21—SALES AND USE TAXES

21.01 Owner is exempt from Iowa state sales and use taxes on materials and equipment to be incorporated in the Work. (Exemption No. A128063. Said taxes must not be included in the Bid. Refer to Paragraph SC-7.10 of the Supplementary Conditions for additional information.

ARTICLE 22—PREFERENCE FOR IOWA PRODUCTS

22.01 By virtue of statutory authority, a preference will be given to products and provisions grown and coal produced within the State of Iowa, (Chapter 73, Code of Iowa).

ARTICLE 23—ENGINEER INFORMATION

23.01 The Engineering firm is: HDR Engineering, Inc.

- A. The Engineering firm's contact person is: Michael Kurek, P.E., Project Manager
- B. The firm's address is:
5815 Council Street NE Ste B
Cedar Rapids, Iowa, 52402
- C. Phone (319) 423-6307
- D. Email: Michael.kurek@hdrinc.com

BIDDING DOCUMENTS

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BID FORM FOR CONSTRUCTION CONTRACT

Project: 4th Street and Meadow Lane Storm Sewer Enhancements.

Project No. SMW17001

The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 1—OWNER AND BIDDER

- 1.01 This Bid is submitted to: The City of Marshalltown, 24 N. Center Street, Marshalltown, IA 50158.
- 1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2—ATTACHMENTS TO THIS BID

- 2.01 The following documents are submitted with and made a condition of this Bid:
 - A. Required Bid security;
 - B. List of Proposed Subcontractors;
 - C. List of Proposed Suppliers;
 - D. Evidence of authority to do business in the state of the Project; or a written covenant to obtain such authority within the time for acceptance of Bids;
 - E. Contractor's license number as evidence of Bidder's State Contractor's License or a covenant by Bidder to obtain said license within the time for acceptance of Bids;
 - F. Required Bidder Qualification Statement with supporting data; and
 - G. Bidders Status Form.

ARTICLE 3—BASIS OF BID—LUMP SUM BID AND UNIT PRICES

- 3.01 Unit Price Bids
 - A. Bidder will perform the following Work at the indicated unit prices:

BASE BID – STORM WATER ENHANCEMENTS						
Item No.	Description	Estimated Quantity Division #1	Estimated Quantity Division #2	Unit	Bid Unit Price	Bid Amount
1	Filling and Plugging of Known Culverts, Pipes, and Conduits, RCP, 36 in.	50		Ft	\$	\$
2	Topsoil, Strip, Salvage and Spread, 8"	5208		SqYd	\$	\$
3	Excavation, Class 13, Roadway and Borrow	6971		CuYd	\$	\$
4	Subgrade Preparation	12992		SqYd	\$	\$
5	Subgrade Treatment, Geogrid	12992		SqYd	\$	\$
6	Subbase	12992		SqYd	\$	\$
7	Compaction Testing	1		LS	\$	\$
8	Tree Removal	4		Each	\$	\$
9	Remove & Replace Mailbox	15		Each	\$	\$
10	Sign Removal & Replacement	58		Each	\$	\$
11	Private Drain Connection	1		Each	\$	\$
12	Sump Pump Connection	5		Each	\$	\$
13	Special Backfill, Compaction, Removal, and Installation	1		LS	\$	\$
14	Granular Backfill		1275	Ton	\$	\$
15	Trench Compaction Testing	1		LS	\$	\$
16	Storm Sewer, Trenched, RCP, 18 in.	2570		Ft	\$	\$
17	Storm Sewer, Trenched, RCP, 24 in.	291		Ft	\$	\$
18	Storm Sewer, Trenched, RCP, 30 in.	438		Ft	\$	\$
19	Storm Sewer, Trenched, RCP, 36 in.	1860		Ft	\$	\$
20	Storm Sewer, Trenched, RCP, 48 in.	709		Ft	\$	\$
21	Removal of Storm Sewer, RCP, 12 in.	498		Ft	\$	\$
22	Removal of Storm Sewer, RCP, 15 in.	180		Ft	\$	\$
23	Removal of Storm Sewer, RCP,	30		Ft	\$	\$

BASE BID – STORM WATER ENHANCEMENTS						
Item No.	Description	Estimated Quantity Division #1	Estimated Quantity Division #2	Unit	Bid Unit Price	Bid Amount
	18 in.					
24	Removal of Storm Sewer, RCP, 24 in.	634		Ft	\$	\$
25	Removal of Storm Sewer, RCP, 30 in.	61		Ft	\$	\$
26	Removal of Storm Sewer, RCP, 36 in.	546		Ft	\$	\$
27	Removal of Storm Sewer, RCP, 40 in.	1412		Ft	\$	\$
28	Water Main, Trenched, PVC, 6 in.		1748	Ft	\$	\$
29	Water Main, Trenched, PVC, 6 in.		723	Ft	\$	\$
30	Fitting, 45 Degree Elbow, PVC, 6 in.		58	Each	\$	\$
31	Fitting, 45 Degree Elbow, PVC, 8 in.		54	Each	\$	\$
32	Fitting, Tee, PVC, 8x8x6 in.		6	Each	\$	\$
33	Fitting, Tee, PVC, 6x6x6 in.		2	Each	\$	\$
34	Fitting, Coupling, 6"		10	Each	\$	\$
35	Fitting, Coupling, 8"		4	Each	\$	\$
36	Retainer Gland, 6"		108	Each	\$	\$
37	Retainer Gland, 8"		56	Each	\$	\$
38	Mechanical Joint Adapter, 6"		5	Each	\$	\$
39	Mechanical Joint Adapter, 8"		5	Each	\$	\$
40	Water Service Stub, Copper, 3/4"	6		Each	\$	\$
41	Water Service Stub, Copper, 1 in.	0		Each	\$	\$
42	Water Service Stub, Copper, 1-1/2 in.	0		Each	\$	\$
43	Water Service Stub, Copper, 2 in.	0		Each	\$	\$
44	Water Service Pipe, Copper, 3/4 in.		22	Ft	\$	\$
45	Water Service Corporation, 3/4 in.		3	Each	\$	\$

BASE BID – STORM WATER ENHANCEMENTS						
Item No.	Description	Estimated Quantity Division #1	Estimated Quantity Division #2	Unit	Bid Unit Price	Bid Amount
46	Valve, Gate, PVC, 6 in.		9	Each	\$	\$
47	Valve, Gate, PVC, 8 in.		6	Each	\$	\$
48	Fire Hydrant Assembly		4	Each	\$	\$
49	Fire Hydrant Adjustment	1		Each	\$	\$
50	Fire Hydrant Assembly Removal		1	Each	\$	\$
51	Manhole, SW-401, 60 in.	5		Each	\$	\$
52	Manhole, SW-401, 72 in.	3		Each	\$	\$
53	Manhole, SW-401, 84 in.	5		Each	\$	\$
5	Manhole, SW-401, 96 in.	1		Each	\$	\$
55	Intake, SW-513	2		Each	\$	\$
56	Intake, SW-507	14		Each	\$	\$
57	Intake, SW-508	3		Each	\$	\$
58	Intake, SW-508 CIP	8		Each	\$	\$
59	Intake, SW-541	25		Each	\$	\$
60	Manhole Adjustment, Minor	19		Each	\$	\$
61	Connection to Existing Intake	1		Each	\$	\$
62	Remove Manhole	7		Each	\$	\$
63	Remove Intake	26		Each	\$	\$
64	Curb and Gutter, 2.5 ft. (Width), 6 in. (Thickness)	6175		Ft	\$	\$
65	Pavement, HMA, 7 in.	4527		Ton	\$	\$
66	HMA Pavement Samples and Testing	1		LS	\$	\$
67	HMA Overlay, 2 in.	4076		SqYd	\$	\$
68	Removal of Sidewalk	1306		SqYd	\$	\$
69	Removal of Driveway	1057		SqYd	\$	\$

BASE BID – STORM WATER ENHANCEMENTS						
Item No.	Description	Estimated Quantity Division #1	Estimated Quantity Division #2	Unit	Bid Unit Price	Bid Amount
70	Sidewalk, PCC, 5 in.	1436		SqYd	\$	\$
71	Sidewalk, PCC, 6 in.	204		SqYd	\$	\$
72	Detectable Warning	419		SqFt	\$	\$
73	Driveway, Paved, PCC, 6 in.	1199		SqYd	\$	\$
74	Milling, Variable Depth	4076		SqYd	\$	\$
75	Pavement Removal	12317		SqYd	\$	\$
76	Permanent Tape Markings	7		STA	\$	\$
77	Temporary Traffic Control	1		LS	\$	\$
78	Conventional Seeding, Seeding, Fertilizing, and Mulching	1.2		Acre	\$	\$
79	SWPPP Preparation	1		LS	\$	\$
80	SWPPP Management	1		LS	\$	\$
81	Turf Reinforcement Mats, Type 4	110		SF	\$	\$
82	Inlet Protection Device, Filter Sock	53		Each	\$	\$
83	Construction Survey	1		LS	\$	\$
84	Mobilization	1		LS	\$	\$
85	Maintenance of Postal Service	1		LS	\$	\$
86	Maintenance of Solid Waste Collection	1		LS	\$	\$
87	Concrete Washout	1		LS	\$	\$
	Total of All Unit Price Bid Items					\$

3.02 Bidder acknowledges that:

- A. each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and
- B. estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.

ARTICLE 4—Time of Completion

- 4.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 4.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 5—BIDDER’S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA

5.01 Bid Acceptance Period

- A. This Bid will remain subject to acceptance for 30 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

5.02 Instructions to Bidders

- A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.

5.03 Receipt of Addenda

- A. Bidder hereby acknowledges receipt of the following Addenda:

Addendum Number	Addendum Date

ARTICLE 6—BIDDER’S REPRESENTATIONS AND CERTIFICATIONS

6.01 Bidder’s Representations

- A. In submitting this Bid, Bidder represents the following:
1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
 2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
 3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
 4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
 5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site

that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.

6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder's (Contractor's) safety precautions and programs.
7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
8. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

6.02 Bidder's Certifications

A. The Bidder certifies the following:

1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.
2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
3. Bidder has not solicited or induced any individual or entity to refrain from bidding.

4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 8.02.A:
 - a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
 - b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
 - c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
 - d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 7—BIDDER hereby submits this Bid as set forth above:

Bidder:

(typed or printed name of organization)

By:

(individual's signature)

Name:

(typed or printed)

Title:

(typed or printed)

Date:

(typed or printed)

If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.

Attest:

(individual's signature)

Name:

(typed or printed)

Title:

(typed or printed)

Date:

(typed or printed)

Address for giving notices:

Bidder's Contact:

Name:

(typed or printed)

Title:

(typed or printed)

Phone:

Email:

Address:

Bidder's Contractor License No.: (if
applicable)

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BID BOND (PENAL SUM FORM)

Bidder Name: [Full formal name of Bidder] Address (<i>principal place of business</i>): [Address of Bidder's principal place of business]	Surety Name: [Full formal name of Surety] Address (<i>principal place of business</i>): [Address of Surety's principal place of business]
Owner Name: City of Marshalltown Address (<i>principal place of business</i>): 24 N. Center Street Marshalltown, IA 50158	Bid Project (<i>name and location</i>): 4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS, SMW17001 Bid Due Date: 01/19/2021
Bond Penal Sum: [Amount] Date of Bond: [Date] Surety and Bidder, intending to be legally bound hereby, subject to the terms set forth in this Bid Bond, do each cause this Bid Bond to be duly executed by an authorized officer, agent, or representative.	
Bidder _____ <i>(Full formal name of Bidder)</i>	Surety _____ <i>(Full formal name of Surety) (corporate seal)</i>
By: _____ <i>(Signature)</i>	By: _____ <i>(Signature) (Attach Power of</i>
Name _____ <i>(Printed or typed)</i>	Name _____ <i>(Printed or typed)</i>
Title: _____	Title: _____
Attest _____ <i>(Signature)</i>	Attest _____ <i>(Signature)</i>
Name _____ <i>(Printed or typed)</i>	Name _____ <i>(Printed or typed)</i>
Title: _____	Title: _____
Notes: (1) Note: Addresses are to be used for giving any required notice. (2) Provide execution by any additional parties, such as joint venturers, if necessary.	

1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to pay to Owner upon default of Bidder the penal sum set forth on the face of this Bond. Payment of the penal sum is the extent of Bidder's and Surety's liability. Recovery of such penal sum under the terms of this Bond will be Owner's sole and exclusive remedy upon default of Bidder.
2. Default of Bidder occurs upon the failure of Bidder to deliver within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents.
3. This obligation will be null and void if:
 - 3.1. Owner accepts Bidder's Bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents, or
 - 3.2. All Bids are rejected by Owner, or
 - 3.3. Owner fails to issue a Notice of Award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by Paragraph 5 hereof).
4. Payment under this Bond will be due and payable upon default of Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from Owner, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.
5. Surety waives notice of any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by Owner and Bidder, provided that the total time for issuing Notice of Award including extensions does not in the aggregate exceed 120 days from the Bid due date without Surety's written consent.
6. No suit or action will be commenced under this Bond prior to 30 calendar days after the notice of default required in Paragraph 4 above is received by Bidder and Surety, and in no case later than one year after the Bid due date.
7. Any suit or action under this Bond will be commenced only in a court of competent jurisdiction located in the state in which the Project is located.
8. Notices required hereunder must be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier, or by United States Postal Service registered or certified mail, return receipt requested, postage pre-paid, and will be deemed to be effective upon receipt by the party concerned.
9. Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent, or representative who executed this Bond on behalf of Surety to execute, seal, and deliver such Bond and bind the Surety thereby.
10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond will be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute governs and the remainder of this Bond that is not in conflict therewith continues in full force and effect.
11. The term "Bid" as used herein includes a Bid, offer, or proposal as applicable.

BIDDERS QUALIFICATIONS STATEMENT

ARTICLE 1—GENERAL INFORMATION

1.01 Provide contact information for the Business:

Legal Name of Business:			
Corporate Office			
Name:		Phone number:	
Title:		Email address:	
Business address of corporate office:			
Local Office			
Name:		Phone number:	
Title:		Email address:	
Business address of local office:			

1.02 Provide information on the Business's organizational structure:

Form of Business:	☐ Sole Proprietorship ☐ Partnership ☐ Corporation		
☐ Limited Liability Company ☐ Joint Venture comprised of the following companies:			
1.			
2.			
3.			
Date Business was formed:		State in which Business was formed:	
Is this Business authorized to operate in the Project location?		☐ Yes ☐ No ☐ Pending	

ARTICLE 2—LICENSING

2.01 Provide information regarding licensure for Business:

Name of License:			
Licensing Agency:			
License No:		Expiration Date:	
Name of License:			
Licensing Agency:			
License No:		Expiration Date:	

ARTICLE 3—DIVERSE BUSINESS CERTIFICATIONS

3.01 Provide information regarding Business's Diverse Business Certification, if any. Provide evidence of current certification.

Certification	Certifying Agency	Certification Date
☐ Disadvantaged Business Enterprise		
☐ Minority Business Enterprise		
☐ Woman-Owned Business Enterprise		
☐ Small Business Enterprise		
☐ Disabled Business Enterprise		
☐ Veteran-Owned Business Enterprise		
☐ Service-Disabled Veteran-Owned Business		
☐ HUBZone Business (Historically Underutilized) Business		
☐ Other		
☐ None		

ARTICLE 4—SAFETY

4.01 Provide information regarding Business's safety organization and safety performance.

Name of Business's Safety Officer:		
Safety Certifications		
Certification Name	Issuing Agency	Expiration

ARTICLE 5—CONSTRUCTION EXPERIENCE

5.01 Provide information that will identify the overall size and capacity of the Business.

Average number of current full-time employees:	
Estimate of revenue for the current year:	
Estimate of revenue for the previous year:	

5.02 Provide information regarding the Business's previous contracting experience.

Years of experience with projects like the proposed project:
Has Business, or a predecessor in interest, or an affiliate identified in Paragraph 1.03:
Been disqualified as a bidder by any local, state, or federal agency within the last 5 years? ☐ Yes ☐ No
Been barred from contracting by any local, state, or federal agency within the last 5 years? ☐ Yes ☐ No

Been released from a bid in the past 5 years? ☐ Yes ☐ No
Defaulted on a project or failed to complete any contract awarded to it? ☐ Yes ☐ No
Refused to construct or refused to provide materials defined in the contract documents or in a change order? ☐ Yes ☐ No
Been a party to any currently pending litigation or arbitration? ☐ Yes ☐ No
Provide full details in a separate attachment if the response to any of these questions is Yes.

5.03 Completed projects: (List several from past two years.)

Location and Description of Work	Owner	Contract Amount	Date Completed

5.04 Work in Progress

Location and Description of Work	Owner	Contract Amount	Date Completed

ARTICLE 6—CONSTRUCTION EXPERIENCE CERTIFICATION

6.01 This Statement of Qualifications is offered by:

Business:

(typed or printed name of organization)

By:

(individual's signature)

Name:

(typed or printed)

Title:

(typed or printed)

Date:

(date signed)

(If Business is a corporation, a partnership, or a joint venture, attach evidence of

Attest:

(individual's signature)

Name:

(typed or printed)

Title:

(typed or printed)

Address for giving notices:

Designated Representative:

Name:

(typed or printed)

Title:

(typed or printed)

Address:

Phone:

Email:

BIDDER STATUS FORM

To be completed by all bidders

Part A

Please answer "Yes" or "No" for each of the following:

- ☐ Yes ☐ No My company is authorized to transact business in Iowa.
(To help you determine if your company is authorized, please review the worksheet on the next page).
- ☐ Yes ☐ No My company has an office to transact business in Iowa.
- ☐ Yes ☐ No My company's office in Iowa is suitable for more than receiving mail, telephone calls, and e-mail.
- ☐ Yes ☐ No My company has been conducting business in Iowa for at least 3 years prior to the first request for bids on this project.
- ☐ Yes ☐ No My company is not a subsidiary of another business entity or my company is a subsidiary of another business entity that would qualify as a resident bidder in Iowa.

If you answered "Yes" for each question above, your company qualifies as a resident bidder. Please complete Parts B and D of this form.

If you answered "No" to one or more questions above, your company is a nonresident bidder. Please complete Parts C and D of this form.

To be completed by resident bidders

Part B

My company has maintained offices in Iowa during the past 3 years at the following addresses:

Dates: _____/_____/_____ to _____/_____/_____ Address: _____

City, State, Zip: _____

Dates: _____/_____/_____ to _____/_____/_____ Address: _____

City, State, Zip: _____

Dates: _____/_____/_____ to _____/_____/_____ Address: _____

You may attach additional sheet(s) if needed. City, State, Zip: _____

To be completed by non-resident bidders

Part C

1. Name of home state or foreign country reported to the Iowa Secretary of State: _____
2. Does your company's home state or foreign country offer preferences to resident bidders, resident labor force preferences or any other type of preference to bidders or laborers? ☐ Yes ☐ No
3. If you answered "Yes" to question 2, identify each preference offered by your company's home state or foreign country and the appropriate legal citation.

You may attach additional sheet(s) if needed.

To be completed by all bidders

Part D

I certify that the statements made on this document are true and complete to the best of my knowledge and I know that my failure to provide accurate and truthful information may be a reason to reject my bid.

Firm Name: _____

Signature: _____ Date: _____

You must submit the completed form to the governmental body requesting bids per 875 Iowa Administrative Code Chapter 156. This form has been approved by the Iowa Labor Commissioner.

Worksheet: Authorization to Transact Business

This worksheet may be used to help complete Part A of the Resident Bidder Status form. If at least one of the following describes your business, you are authorized to transact business in Iowa.

- ☐ Yes ☐ No My business is currently registered as a contractor with the Iowa Division of Labor.
- ☐ Yes ☐ No My business is a sole proprietorship and I am an Iowa resident for Iowa income tax purposes.
- ☐ Yes ☐ No My business is a general partnership or joint venture. More than 50 percent of the general partners or joint venture parties are residents of Iowa for Iowa income tax purposes.
- ☐ Yes ☐ No My business is an active corporation with the Iowa Secretary of State and has paid all fees required by the Secretary of State, has filed its most recent biennial report, and has not filed articles of dissolution.
- ☐ Yes ☐ No My business is a corporation whose articles of incorporation are filed in a state other than Iowa, the corporation has received a certificate of authority from the Iowa secretary of state, has filed its most recent biennial report with the secretary of state, and has neither received a certificate of withdrawal from the secretary of state nor had its authority revoked.
- ☐ Yes ☐ No My business is a limited liability partnership which has filed a statement of qualification in this state and the statement has not been canceled.
- ☐ Yes ☐ No My business is a limited liability partnership which has filed a statement of qualification in a state other than Iowa, has filed a statement of foreign qualification in Iowa and a statement of cancellation has not been filed.
- ☐ Yes ☐ No My business is a limited partnership or limited liability limited partnership which has filed a certificate of limited partnership in this state, and has not filed a statement of termination.
- ☐ Yes ☐ No My business is a limited partnership or a limited liability limited partnership whose certificate of limited partnership is filed in a state other than Iowa, the limited partnership or limited liability limited partnership has received notification from the Iowa secretary of state that the application for certificate of authority has been approved and no notice of cancellation has been filed by the limited partnership or the limited liability limited partnership.
- ☐ Yes ☐ No My business is a limited liability company whose certificate of organization is filed in Iowa and has not filed a statement of termination.
- ☐ Yes ☐ No My business is a limited liability company whose certificate of organization is filed in a state other than Iowa, has received a certificate of authority to transact business in Iowa and the certificate has not been revoked or canceled.

CONTRACT DOCUMENTS

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NOTICE OF AWARD

Date of Issuance:

Owner: City of Marshalltown

Owner's Project No.:

Engineer:

Engineer's Project No.:

Project:

Contract Name: 4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS

Bidder:

Bidder's Address:

You are notified that Owner has accepted your Bid dated **January 19, 2021** for the above Contract, and that you are the Successful Bidder and are awarded a Contract for:

Base Bid – Storm Water Enhancements

The Contract Price of the awarded Contract is \$[**Contract Price**]. Contract Price is subject to adjustment based on the provisions of the Contract, including but not limited to those governing changes, Unit Price Work, and Work performed on a cost-plus-fee basis, as applicable.

[**Number of copies sent**] unexecuted counterparts of the Agreement accompany this Notice of Award, and one copy of the Contract Documents accompanies this Notice of Award, or has been transmitted or made available to Bidder electronically.

☐ Drawings will be delivered separately from the other Contract Documents.

You must comply with the following conditions precedent within 15 days of the date of receipt of this Notice of Award:

1. Deliver to Owner [**number of copies sent**] counterparts of the Agreement, signed by Bidder (as Contractor).
2. Deliver with the signed Agreement(s) the Contract security (such as required performance and payment bonds) and insurance documentation, as specified in the Instructions to Bidders and in the General Conditions, Articles 2 and 6.
3. Other conditions precedent (if any): [**Describe other conditions that require Successful Bidder's compliance**]

Failure to comply with these conditions within the time specified will entitle Owner to consider you in default, annul this Notice of Award, and declare your Bid security forfeited.

Within 10 days after you comply with the above conditions, Owner will return to you one fully signed counterpart of the Agreement, together with any additional copies of the Contract Documents as indicated in Paragraph 2.02 of the General Conditions.

Owner: **City of Marshalltown, Iowa**

By (signature):

Name (printed):

Title:

Copy: Engineer

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AGREEMENT BETWEEN OWNER AND CONTRACTOR FOR CONSTRUCTION CONTRACT (STIPULATED PRICE)

This Agreement is by and between the City of Marshalltown ("Owner") and [name of contracting entity] ("Contractor").

Terms used in this Agreement have the meanings stated in the General Conditions and the Supplementary Conditions.

Owner and Contractor hereby agree as follows:

ARTICLE 1 – WORK

- 1.01 Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows: **4th STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS**. Work includes roadway, storm sewer, and water main construction.

ARTICLE 2 – THE PROJECT

- 2.01 The Project, of which the Work under the Contract Documents is a part, is generally described as follows: roadway, storm sewer and water main construction.

ARTICLE 3 – ENGINEER

- 3.01 The Owner has retained HDR Engineering, Inc. ("Engineer") to act as Owner's representative, assume all duties and responsibilities of Engineer, and have the rights and authority assigned to Engineer in the Contract.
- 3.02 The part of the Project that pertains to the Work has been designed by HDR Engineering, Inc..

ARTICLE 4 – CONTRACT TIMES

- 4.01 Time is of the Essence

- A. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

- 4.02 Contract Times: Dates

- A. The Work will be substantially complete on or before **November 30th, 2021**, and completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before **January 31, 2022**.

- 4.03 Liquidated Damages

- A. Contractor and Owner recognize that time is of the essence as stated in Paragraph 4.01 above and that Owner will suffer financial and other losses if the Work is not completed and Milestones not achieved within the Contract Times, as duly modified. The parties also recognize the delays, expense, and difficulties involved in proving, in a legal or arbitration proceeding, the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty):

- B. Substantial Completion: Contractor shall pay Owner \$1,000.00 for each day that expires after the time (as duly adjusted pursuant to the Contract) specified above for Substantial Completion, until the Work is substantially complete.
- C. Completion of Remaining Work: After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times (as duly adjusted pursuant to the Contract) for completion and readiness for final payment, Contractor shall pay Owner \$1,000.00 for each day that expires after such time until the Work is completed and ready for final payment.
- D. Liquidated damages for failing to timely attain Substantial Completion and final completion are not additive, and will not be imposed concurrently.
- E. If Owner recovers liquidated damages for a delay in completion by Contractor, then such liquidated damages are Owner's sole and exclusive remedy for such delay, and Owner is precluded from recovering any other damages, whether actual, direct, excess, or consequential, for such delay, except for special damages (if any) specified in this Agreement.

ARTICLE 5 – **CONTRACT PRICE**

- 5.01 Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents, the amounts that follow, subject to adjustment under the Contract:
 - A. For all Work, \$ _____, at the prices stated in Contractor's Bid, attached hereto as an exhibit.

ARTICLE 6 – **PAYMENT PROCEDURES**

6.01 Submittal and Processing of Payments

- A. Contractor shall submit Applications for Payment in accordance with Article 15 of the General Conditions. Applications for Payment will be processed by Engineer as provided in the General Conditions.

6.02 Progress Payments; Retainage

- A. Owner shall make progress payments on the basis of Contractor's Applications for Payment on or about the **25th** day of each month during performance of the Work as provided in Paragraph 6.02.A.1 below, provided that such Applications for Payment have been submitted in a timely manner and otherwise meet the requirements of the Contract. All such payments will be measured by the Schedule of Values established as provided in the General Conditions (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no Schedule of Values, as provided elsewhere in the Contract.
 - 1. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as Owner may withhold, including but not limited to liquidated damages, in accordance with the Contract.
 - a. 95 percent of the value of the Work completed (with the balance being retainage).

- 1) If 50 percent or more of the Work has been completed, as determined by Engineer, and if the character and progress of the Work have been satisfactory to Owner and Engineer, then as long as the character and progress of the Work remain satisfactory to Owner and Engineer, there will be no additional retainage; and
 - b. 95 percent of cost of materials and equipment not incorporated in the Work (with the balance being retainage).
- B. Upon Substantial Completion, Owner shall pay an amount sufficient to increase total payments to Contractor to 95 percent of the Work completed, less such amounts set off by Owner pursuant to Paragraph 15.01.E of the General Conditions, and less 200 percent of Engineer's estimate of the value of Work to be completed or corrected as shown on the punch list of items to be completed or corrected prior to final payment.

6.03 Final Payment

- A. Upon final completion and acceptance of the Work, Owner shall pay the remainder of the Contract Price in accordance with Paragraph 15.06 of the General Conditions.

6.04 Consent of Surety

- A. Owner will not make final payment, or return or release retainage at Substantial Completion or any other time, unless Contractor submits written consent of the surety to such payment, return, or release.

6.05 Interest

- A. All amounts not paid when due will bear interest at the rate of 5 percent per annum.

ARTICLE 7 – **CONTRACT DOCUMENTS**

7.01 Contents

- A. The Contract Documents consist of all of the following:
 1. This Agreement.
 2. Bonds:
 - a. Performance bond (together with power of attorney).
 - b. Payment bond (together with power of attorney).
 3. General Conditions.
 4. Supplementary Conditions.
 5. Specifications as listed in the table of contents of the project manual (copy of list attached).
 6. Drawings (not attached but incorporated by reference) consisting of **109** sheets with each sheet bearing the following general title: **4th STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS**.
 7. Addenda (numbers [number] to [number], inclusive).

8. Exhibits to this Agreement (enumerated as follows):
 - a. Bid Form
 - b. Bid Tabulation
9. The following which may be delivered or issued on or after the Effective Date of the Contract and are not attached hereto:
 - a. Notice to Proceed.
 - b. Work Change Directives.
 - c. Change Orders.
 - d. Field Orders.
 - e. Warranty Bond.
- B. The Contract Documents listed in Paragraph 7.01.A are attached to this Agreement (except as expressly noted otherwise above).
- C. There are no Contract Documents other than those listed above in this Article 7.
- D. The Contract Documents may only be amended, modified, or supplemented as provided in the Contract.

ARTICLE 8 – REPRESENTATIONS, CERTIFICATIONS, AND STIPULATIONS

8.01 Contractor's Representations

- A. In order to induce Owner to enter into this Contract, Contractor makes the following representations:
 1. Contractor has examined and carefully studied the Contract Documents, including Addenda.
 2. Contractor has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
 3. Contractor is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
 4. Contractor has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
 5. Contractor has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.

6. Contractor has considered the information known to Contractor itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor; and (c) Contractor's safety precautions and programs.
7. Based on the information and observations referred to in the preceding paragraph, Contractor agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
8. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.
9. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
10. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. Contractor's entry into this Contract constitutes an incontrovertible representation by Contractor that without exception all prices in the Agreement are premised upon performing and furnishing the Work required by the Contract Documents.

8.02 Contractor's Certifications

- A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract. For the purposes of this Paragraph 8.02:
 1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process or in the Contract execution;
 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process or the execution of the Contract to the detriment of Owner, (b) to establish Bid or Contract prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;

3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish Bid prices at artificial, non-competitive levels; and
4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

8.03 Standard General Conditions

- A. Owner stipulates that if the General Conditions that are made a part of this Contract are EJCDC® C-700, Standard General Conditions for the Construction Contract (2018), published by the Engineers Joint Contract Documents Committee, and if Owner is the party that has furnished said General Conditions, then Owner has plainly shown all modifications to the standard wording of such published document to the Contractor, through a process such as highlighting or “track changes” (redline/strikeout), or in the Supplementary Conditions.

IN WITNESS WHEREOF, Owner and Contractor have signed this Agreement.

This Agreement will be effective on **[indicate date on which Contract becomes effective]**
(which is the Effective Date of the Contract).

Owner:

City of Marshalltown

(typed or printed name of organization)

By:

(individual's signature)

Date:

(date signed)

Name:

Joel Greer

(typed or printed)

Title:

Mayor

(typed or printed)

Attest:

(individual's signature)

Title:

City Clerk

(typed or printed)

Address for giving notices:

24 N Center Street

Marshalltown, IA

50158

Designated Representative:

Name:

Justin Nickel, P.E.

(typed or printed)

Title:

Public Works Director

(typed or printed)

Address:

24 N Center Street

Marshalltown, IA

50158

Phone:

(641) 754-5734

Email:

jnickel@marshalltown-ia.gov

(If **[Type of Entity]** is a corporation, attach evidence of authority to sign. If **[Type of Entity]** is a public body, attach evidence of authority to sign and resolution or other documents authorizing execution of this Agreement.)

Contractor:

(typed or printed name of organization)

By:

(individual's signature)

Date:

(date signed)

Name:

(typed or printed)

Title:

(typed or printed)

(If **[Type of Entity]** is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest:

(individual's signature)

Title:

(typed or printed)

Address for giving notices:

Designated Representative:

Name:

(typed or printed)

Title:

(typed or printed)

Address:

Phone:

Email:

License No.:

(where applicable)

State:

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PERFORMANCE BOND

Contractor Name: [Full formal name of Contractor] Address (<i>principal place of business</i>): [Address of Contractor's principal place of business]	Surety Name: [Full formal name of Surety] Address (<i>principal place of business</i>): [Address of Surety's principal place of business]
Owner Name: City of Marshalltown Mailing address (<i>principal place of business</i>): 24 North Center Street Marshalltown, IA 50158	Contract Description (<i>name and location</i>): 4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS, SMW17001 Contract Price: [Amount from Contract] Effective Date of Contract: [Date from Contract]
Bond Bond Amount: [Amount] Date of Bond: [Date] <i>(Date of Bond cannot be earlier than Effective Date of Contract)</i> Modifications to this Bond form: ☐ None ☐ See Paragraph 16	
Surety and Contractor, intending to be legally bound hereby, subject to the terms set forth in this Performance Bond, do each cause this Performance Bond to be duly executed by an authorized officer, agent, or representative.	
Contractor as Principal	Surety
_____ <i>(Full formal name of Contractor)</i>	_____ <i>(Full formal name of Surety) (corporate seal)</i>
By: _____ <i>(Signature)</i>	By: _____ <i>(Signature)(Attach Power of Attorney)</i>
Name: _____ <i>(Printed or typed)</i>	Name: _____ <i>(Printed or typed)</i>
Title: _____	Title: _____
Attest: _____ <i>(Signature)</i>	Attest: _____ <i>(Signature)</i>
Name: _____ <i>(Printed or typed)</i>	Name: _____ <i>(Printed or typed)</i>
Title: _____	Title: _____
Notes: (1) Provide supplemental execution by any additional parties, such as joint venturers. (2) Any singular reference to Contractor, Surety, Owner, or other party is considered plural where applicable.	

1. The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to the Owner for the performance of the Construction Contract, which is incorporated herein by reference.
2. If the Contractor performs the Construction Contract, the Surety and the Contractor shall have no obligation under this Bond, except when applicable to participate in a conference as provided in Paragraph 3.
3. If there is no Owner Default under the Construction Contract, the Surety's obligation under this Bond will arise after:
 - 3.1. The Owner first provides notice to the Contractor and the Surety that the Owner is considering declaring a Contractor Default. Such notice may indicate whether the Owner is requesting a conference among the Owner, Contractor, and Surety to discuss the Contractor's performance. If the Owner does not request a conference, the Surety may, within five (5) business days after receipt of the Owner's notice, request such a conference. If the Surety timely requests a conference, the Owner shall attend. Unless the Owner agrees otherwise, any conference requested under this Paragraph 3.1 will be held within ten (10) business days of the Surety's receipt of the Owner's notice. If the Owner, the Contractor, and the Surety agree, the Contractor shall be allowed a reasonable time to perform the Construction Contract, but such an agreement does not waive the Owner's right, if any, subsequently to declare a Contractor Default;
 - 3.2. The Owner declares a Contractor Default, terminates the Construction Contract and notifies the Surety; and
 - 3.3. The Owner has agreed to pay the Balance of the Contract Price in accordance with the terms of the Construction Contract to the Surety or to a contractor selected to perform the Construction Contract.
4. Failure on the part of the Owner to comply with the notice requirement in Paragraph 3.1 does not constitute a failure to comply with a condition precedent to the Surety's obligations, or release the Surety from its obligations, except to the extent the Surety demonstrates actual prejudice.
5. When the Owner has satisfied the conditions of Paragraph 3, the Surety shall promptly and at the Surety's expense take one of the following actions:
 - 5.1. Arrange for the Contractor, with the consent of the Owner, to perform and complete the Construction Contract;
 - 5.2. Undertake to perform and complete the Construction Contract itself, through its agents or independent contractors;
 - 5.3. Obtain bids or negotiated proposals from qualified contractors acceptable to the Owner for a contract for performance and completion of the Construction Contract, arrange for a contract to be prepared for execution by the Owner and a contractor selected with the Owners concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the bonds issued on the Construction Contract, and pay to the Owner the amount of damages as described in Paragraph 7 in excess of the Balance of the Contract Price incurred by the Owner as a result of the Contractor Default; or

- 5.4. Waive its right to perform and complete, arrange for completion, or obtain a new contractor, and with reasonable promptness under the circumstances:
 - 5.4.1 After investigation, determine the amount for which it may be liable to the Owner and, as soon as practicable after the amount is determined, make payment to the Owner; or
 - 5.4.2 Deny liability in whole or in part and notify the Owner, citing the reasons for denial.
6. If the Surety does not proceed as provided in Paragraph 5 with reasonable promptness, the Surety shall be deemed to be in default on this Bond seven days after receipt of an additional written notice from the Owner to the Surety demanding that the Surety perform its obligations under this Bond, and the Owner shall be entitled to enforce any remedy available to the Owner. If the Surety proceeds as provided in Paragraph 5.4, and the Owner refuses the payment, or the Surety has denied liability, in whole or in part, without further notice, the Owner shall be entitled to enforce any remedy available to the Owner.
7. If the Surety elects to act under Paragraph 5.1, 5.2, or 5.3, then the responsibilities of the Surety to the Owner will not be greater than those of the Contractor under the Construction Contract, and the responsibilities of the Owner to the Surety will not be greater than those of the Owner under the Construction Contract. Subject to the commitment by the Owner to pay the Balance of the Contract Price, the Surety is obligated, without duplication for:
 - 7.1. the responsibilities of the Contractor for correction of defective work and completion of the Construction Contract;
 - 7.2. additional legal, design professional, and delay costs resulting from the Contractor's Default, and resulting from the actions or failure to act of the Surety under Paragraph 5; and
 - 7.3. liquidated damages, or if no liquidated damages are specified in the Construction Contract, actual damages caused by delayed performance or non-performance of the Contractor.
8. If the Surety elects to act under Paragraph 5.1, 5.3, or 5.4, the Surety's liability is limited to the amount of this Bond.
9. The Surety shall not be liable to the Owner or others for obligations of the Contractor that are unrelated to the Construction Contract, and the Balance of the Contract Price will not be reduced or set off on account of any such unrelated obligations. No right of action will accrue on this Bond to any person or entity other than the Owner or its heirs, executors, administrators, successors, and assigns.
10. The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders, and other obligations.
11. Any proceeding, legal or equitable, under this Bond must be instituted in any court of competent jurisdiction in the location in which the work or part of the work is located and must be instituted within two years after a declaration of Contractor Default or within two years after the Contractor ceased working or within two years after the Surety refuses or fails to perform its obligations under this Bond, whichever occurs first. If the provisions of this paragraph are void or prohibited by law, the minimum periods of limitations available to sureties as a defense in the jurisdiction of the suit will be applicable.

12. Notice to the Surety, the Owner, or the Contractor must be mailed or delivered to the address shown on the page on which their signature appears.
13. When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement will be deemed deleted therefrom and provisions conforming to such statutory or other legal requirement will be deemed incorporated herein. When so furnished, the intent is that this Bond will be construed as a statutory bond and not as a common law bond.
14. Definitions
- 14.1. *Balance of the Contract Price*—The total amount payable by the Owner to the Contractor under the Construction Contract after all proper adjustments have been made including allowance for the Contractor for any amounts received or to be received by the Owner in settlement of insurance or other claims for damages to which the Contractor is entitled, reduced by all valid and proper payments made to or on behalf of the Contractor under the Construction Contract.
- 14.2. *Construction Contract*—The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and changes made to the agreement and the Contract Documents.
- 14.3. *Contractor Default*—Failure of the Contractor, which has not been remedied or waived, to perform or otherwise to comply with a material term of the Construction Contract.
- 14.4. *Owner Default*—Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.
- 14.5. *Contract Documents*—All the documents that comprise the agreement between the Owner and Contractor.
15. If this Bond is issued for an agreement between a contractor and subcontractor, the term Contractor in this Bond will be deemed to be Subcontractor and the term Owner will be deemed to be Contractor.
16. Modifications to this Bond are as follows: **“None”**

PAYMENT BOND

Contractor Name: [Full formal name of Contractor] Address (<i>principal place of business</i>): [Address of Contractor's principal place of business]	Surety Name: [Full formal name of Surety] Address (<i>principal place of business</i>): [Address of Surety's principal place of business]
Owner Name: City of Marshalltown Mailing address (<i>principal place of business</i>): 24 North Center Street Marshalltown, IA 50158	Contract Description (<i>name and location</i>): 4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS, SMW17001 Contract Price: [Amount, from Contract] Effective Date of Contract: [Date, from Contract]
Bond Bond Amount: [Amount] Date of Bond: [Date] <i>(Date of Bond cannot be earlier than Effective Date of Contract)</i> Modifications to this Bond form: ☐ None ☐ See Paragraph 18	
Surety and Contractor, intending to be legally bound hereby, subject to the terms set forth in this Payment Bond, do each cause this Payment Bond to be duly executed by an authorized officer, agent, or representative.	
Contractor as Principal	Surety
<i>(Full formal name of Contractor)</i>	<i>(Full formal name of Surety) (corporate seal)</i>
By: _____	By: _____
<i>(Signature)</i>	<i>(Signature)(Attach Power of Attorney)</i>
Name: _____	Name: _____
<i>(Printed or typed)</i>	<i>(Printed or typed)</i>
Title: _____	Title: _____
Attest: _____	Attest: _____
<i>(Signature)</i>	<i>(Signature)</i>
Name: _____	Name: _____
<i>(Printed or typed)</i>	<i>(Printed or typed)</i>
Title: _____	Title: _____
Notes: (1) Provide supplemental execution by any additional parties, such as joint venturers. (2) Any singular reference to Contractor, Surety, Owner, or other party is considered plural where applicable.	

1. The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to the Owner to pay for labor, materials, and equipment furnished for use in the performance of the Construction Contract, which is incorporated herein by reference, subject to the following terms.
2. If the Contractor promptly makes payment of all sums due to Claimants, and defends, indemnifies, and holds harmless the Owner from claims, demands, liens, or suits by any person or entity seeking payment for labor, materials, or equipment furnished for use in the performance of the Construction Contract, then the Surety and the Contractor shall have no obligation under this Bond.
3. If there is no Owner Default under the Construction Contract, the Surety's obligation to the Owner under this Bond will arise after the Owner has promptly notified the Contractor and the Surety (at the address described in Paragraph 13) of claims, demands, liens, or suits against the Owner or the Owner's property by any person or entity seeking payment for labor, materials, or equipment furnished for use in the performance of the Construction Contract, and tendered defense of such claims, demands, liens, or suits to the Contractor and the Surety.
4. When the Owner has satisfied the conditions in Paragraph 3, the Surety shall promptly and at the Surety's expense defend, indemnify, and hold harmless the Owner against a duly tendered claim, demand, lien, or suit.
5. The Surety's obligations to a Claimant under this Bond will arise after the following:
 - 5.1. Claimants who do not have a direct contract with the Contractor
 - 5.1.1. have furnished a written notice of non-payment to the Contractor, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were, or equipment was, furnished or supplied or for whom the labor was done or performed, within ninety (90) days after having last performed labor or last furnished materials or equipment included in the Claim; and
 - 5.1.2. have sent a Claim to the Surety (at the address described in Paragraph 13).
 - 5.2. Claimants who are employed by or have a direct contract with the Contractor have sent a Claim to the Surety (at the address described in Paragraph 13).
6. If a notice of non-payment required by Paragraph 5.1.1 is given by the Owner to the Contractor, that is sufficient to satisfy a Claimant's obligation to furnish a written notice of non-payment under Paragraph 5.1.1.
7. When a Claimant has satisfied the conditions of Paragraph 5.1 or 5.2, whichever is applicable, the Surety shall promptly and at the Surety's expense take the following actions:
 - 7.1. Send an answer to the Claimant, with a copy to the Owner, within sixty (60) days after receipt of the Claim, stating the amounts that are undisputed and the basis for challenging any amounts that are disputed; and
 - 7.2. Pay or arrange for payment of any undisputed amounts.
 - 7.3. The Surety's failure to discharge its obligations under Paragraph 7.1 or 7.2 will not be deemed to constitute a waiver of defenses the Surety or Contractor may have or acquire as to a Claim, except as to undisputed amounts for which the Surety and Claimant have reached agreement. If, however, the Surety fails to discharge its

obligations under Paragraph 7.1 or 7.2, the Surety shall indemnify the Claimant for the reasonable attorney's fees the Claimant incurs thereafter to recover any sums found to be due and owing to the Claimant.

8. The Surety's total obligation will not exceed the amount of this Bond, plus the amount of reasonable attorney's fees provided under Paragraph 7.3, and the amount of this Bond will be credited for any payments made in good faith by the Surety.
9. Amounts owed by the Owner to the Contractor under the Construction Contract will be used for the performance of the Construction Contract and to satisfy claims, if any, under any construction performance bond. By the Contractor furnishing and the Owner accepting this Bond, they agree that all funds earned by the Contractor in the performance of the Construction Contract are dedicated to satisfying obligations of the Contractor and Surety under this Bond, subject to the Owner's priority to use the funds for the completion of the work.
10. The Surety shall not be liable to the Owner, Claimants, or others for obligations of the Contractor that are unrelated to the Construction Contract. The Owner shall not be liable for the payment of any costs or expenses of any Claimant under this Bond, and shall have under this Bond no obligation to make payments to or give notice on behalf of Claimants, or otherwise have any obligations to Claimants under this Bond.
11. The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders, and other obligations.
12. No suit or action will be commenced by a Claimant under this Bond other than in a court of competent jurisdiction in the state in which the project that is the subject of the Construction Contract is located or after the expiration of one year from the date (1) on which the Claimant sent a Claim to the Surety pursuant to Paragraph 5.1.2 or 5.2, or (2) on which the last labor or service was performed by anyone or the last materials or equipment were furnished by anyone under the Construction Contract, whichever of (1) or (2) first occurs. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit will be applicable.
13. Notice and Claims to the Surety, the Owner, or the Contractor must be mailed or delivered to the address shown on the page on which their signature appears. Actual receipt of notice or Claims, however accomplished, will be sufficient compliance as of the date received.
14. When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement will be deemed deleted here from and provisions conforming to such statutory or other legal requirement will be deemed incorporated herein. When so furnished, the intent is that this Bond will be construed as a statutory bond and not as a common law bond.
15. Upon requests by any person or entity appearing to be a potential beneficiary of this Bond, the Contractor and Owner shall promptly furnish a copy of this Bond or shall permit a copy to be made.

16. Definitions

16.1. *Claim*—A written statement by the Claimant including at a minimum:

16.1.1. The name of the Claimant;

- 16.1.2. The name of the person for whom the labor was done, or materials or equipment furnished;
- 16.1.3. A copy of the agreement or purchase order pursuant to which labor, materials, or equipment was furnished for use in the performance of the Construction Contract;
- 16.1.4. A brief description of the labor, materials, or equipment furnished;
- 16.1.5. The date on which the Claimant last performed labor or last furnished materials or equipment for use in the performance of the Construction Contract;
- 16.1.6. The total amount earned by the Claimant for labor, materials, or equipment furnished as of the date of the Claim;
- 16.1.7. The total amount of previous payments received by the Claimant; and
- 16.1.8. The total amount due and unpaid to the Claimant for labor, materials, or equipment furnished as of the date of the Claim.

16.2. *Claimant*—An individual or entity having a direct contract with the Contractor or with a subcontractor of the Contractor to furnish labor, materials, or equipment for use in the performance of the Construction Contract. The term Claimant also includes any individual or entity that has rightfully asserted a claim under an applicable mechanic's lien or similar statute against the real property upon which the Project is located. The intent of this Bond is to include without limitation in the terms of "labor, materials, or equipment" that part of the water, gas, power, light, heat, oil, gasoline, telephone service, or rental equipment used in the Construction Contract, architectural and engineering services required for performance of the work of the Contractor and the Contractor's subcontractors, and all other items for which a mechanic's lien may be asserted in the jurisdiction where the labor, materials, or equipment were furnished.

16.3. *Construction Contract*—The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and all changes made to the agreement and the Contract Documents.

16.4. *Owner Default*—Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.

16.5. *Contract Documents*—All the documents that comprise the agreement between the Owner and Contractor.

17. If this Bond is issued for an agreement between a contractor and subcontractor, the term Contractor in this Bond will be deemed to be Subcontractor and the term Owner will be deemed to be Contractor.

18. Modifications to this Bond are as follows: **"None"**

WARRANTY BOND

Contractor Name: [Full formal name of Contractor] Address (<i>principal place of business</i>): [Address of Contractor's principal place of business]	Surety Name: [Full formal name of Surety] Address (<i>principal place of business</i>): [Insert address of Surety's principal place of business]
Owner Name: City of Marshalltown Address (<i>principal place of business</i>): 24 North Center Street Marshalltown, IA 50158	Construction Contract Description (<i>name and location</i>): 4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS, SMW17001 Contract Price: [Amount from Contract] Effective Date of Contract: [Date from Contract] Contract's Date of Substantial Completion: [Date from Contract]
Bond Bond Amount: [Amount] Date of Bond: [Date] Modifications to this Bond form: ☒ None ☐ See Paragraph 9	
Bond Period: Commencing 364 days after Substantial Completion of the Work under the Construction Contract, and continuing until five (5) years after such Substantial Completion.	
Surety and Contractor, intending to be legally bound hereby, subject to the terms set forth herein, do each cause this Warranty Bond to be duly executed by an authorized officer, agent, or representative.	
Contractor as Principal	Surety
_____ <i>(Full formal name of Contractor)</i>	_____ <i>(Full formal name of Surety) (corporate seal)</i>
By: _____ <i>(Signature)</i>	By: _____ <i>(Signature) (Attach Power of Attorney)</i>
Name: _____ <i>(Printed or typed)</i>	Name: _____ <i>(Printed or typed)</i>
Title: _____	Title: _____
Attest: _____ <i>(Signature)</i>	Attest: _____ <i>(Signature)</i>
Name: _____ <i>(Printed or typed)</i>	Name: _____ <i>(Printed or typed)</i>
Title: _____	Title: _____
Notes: (1) Provide supplemental execution by any additional parties, such as joint venturers. (2) Any singular reference to Contractor, Surety, Owner, or other party is considered plural where applicable.	

1. The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to the Owner for the performance of the Construction Contract's Correction Period Obligations. The Construction Contract is incorporated herein by reference.
2. If the Contractor performs the Correction Period Obligations, the Surety and the Contractor shall have no obligation under this Warranty Bond.
3. If Owner gives written notice to Contractor and Surety during the Bond Period of Contractor's obligation under the Correction Period Obligations, and Contractor does not fulfill such obligation, then Surety shall be responsible for fulfillment of such Correction Period Obligations. Surety shall either fulfill the Correction Period Obligations itself, through its agents or contractors, or, in the alternative, Surety may waive the right to fulfill the Correction Period Obligations itself, and reimburse the Owner for all resulting costs incurred by Owner in performing Contractor's Correction Period Obligations, including but not limited to correction, removal, replacement, and repair costs.
4. The Surety's liability is limited to the amount of this Warranty Bond. Renewal or continuation of the Warranty Bond will not modify such amount, unless expressly agreed to by Surety in writing.
5. The Surety shall have no liability under this Warranty Bond for obligations of the Contractor that are unrelated to the Construction Contract. No right of action will accrue on this Warranty Bond to any person or entity other than the Owner or its heirs, executors, administrators, successors, and assigns.
6. Any proceeding, legal or equitable, under this Warranty Bond may be instituted in any court of competent jurisdiction in the location in which the Work or part of the Work is located and must be instituted within two years after the Surety refuses or fails to perform its obligations under this Warranty Bond.
7. Written notice to the Surety, the Owner, or the Contractor must be mailed or delivered to the address shown in this Warranty Bond.
8. Definitions
 - 8.1. *Construction Contract*—The agreement between the Owner and Contractor identified on the cover page of this Warranty Bond, including all Contract Documents and changes made to the agreement and the Contract Documents.
 - 8.2. *Contract Documents*—All the documents that comprise the agreement between the Owner and Contractor.
 - 8.3. *Correction Period Obligations*—The duties, responsibilities, commitments, and obligations of the Contractor with respect to correction or replacement of defective Work, as set forth in the Construction Contract's Correction Period clause, EJCDC®C-700, Standard General Conditions of the Construction Contract (2018), Paragraph 15.08, as duly modified.
 - 8.4. *Substantial Completion*—As defined in the Construction Contract.
 - 8.5. *Work*—As defined in the Construction Contract.
9. Modifications to this Bond are as follows: **"None"**

NOTICE TO PROCEED

Owner: City of Marshalltown Owner's Project No.: SMW17001
Engineer: HDR Engineering, Inc. Engineer's Project No.: _____
Contractor: _____ Contractor's Project No.: _____
Project: 4th Street and Meadow Lane Storm Sewer Enhancements
Contract Name: _____
Effective Date of Contract: _____

Owner hereby notifies Contractor that the Contract Times under the above Contract will commence to run on **[date Contract Times are to start]** pursuant to Paragraph 4.01 of the General Conditions.

On that date, Contractor shall start performing its obligations under the Contract Documents. No Work will be done at the Site prior to such date.

In accordance with the Agreement: **[Select one of the following two alternatives, insert dates or number of days, and delete the other alternative.]**

The date by which Substantial Completion must be achieved is **[date for Substantial Completion, from Agreement]**, and the date by which readiness for final payment must be achieved is **[date for readiness, from Agreement]**.

[or]

The number of days to achieve Substantial Completion is **[number of days, from Agreement]** from the date stated above for the commencement of the Contract Times, resulting in a date for Substantial Completion of **[date, calculated from commencement date above]**; and the number of days to achieve readiness for final payment is **[number of days, from Agreement]** from the commencement date of the Contract Times, resulting in a date for readiness for final payment of **[date, calculated from commencement date above]**.

Before starting any Work at the Site, Contractor must comply with the following:

[Note any access limitations, security procedures, or other restrictions]

Owner: City of Marshalltown
By (signature): _____
Name (printed): _____
Title: _____
Date Issued: _____
Copy: Engineer

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CONTRACT CONDITIONS

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STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT

TABLE OF CONTENTS

	Page
Article 1—Definitions and Terminology	76
1.01 Defined Terms.....	76
1.02 Terminology	81
Article 2—Preliminary Matters	82
2.01 Delivery of Performance and Payment Bonds; Evidence of Insurance	82
2.02 Copies of Documents.....	83
2.03 Before Starting Construction	83
2.04 Preconstruction Conference; Designation of Authorized Representatives ...	83
2.05 Acceptance of Schedules.....	83
2.06 Electronic Transmittals.....	84
Article 3—Contract Documents: Intent, Requirements, Reuse.....	84
3.01 Intent	84
3.02 Reference Standards	85
3.03 Reporting and Resolving Discrepancies	85
3.04 Requirements of the Contract Documents	86
3.05 Reuse of Documents.....	87
Article 4—Commencement and Progress of the Work.....	87
4.01 Commencement of Contract Times; Notice to Proceed	87
4.02 Starting the Work	87
4.03 Reference Points.....	87
4.04 Progress Schedule.....	88
4.05 Delays in Contractor’s Progress.....	88
Article 5—Site; Subsurface and Physical Conditions; Hazardous Environmental Conditions	90
5.01 Availability of Lands	90
5.02 Use of Site and Other Areas	90
5.03 Subsurface and Physical Conditions.....	91
5.04 Differing Subsurface or Physical Conditions	92

5.05	Underground Facilities	94
5.06	Hazardous Environmental Conditions at Site	96
Article 6—Bonds and Insurance		98
6.01	Performance, Payment, and Other Bonds	98
6.02	Insurance—General Provisions.....	99
6.03	Contractor’s Insurance	101
6.04	Builder’s Risk and Other Property Insurance	102
6.05	Property Losses; Subrogation	102
6.06	Receipt and Application of Property Insurance Proceeds	104
Article 7—Contractor’s Responsibilities.....		104
7.01	Contractor’s Means and Methods of Construction	104
7.02	Supervision and Superintendence	104
7.03	Labor; Working Hours	105
7.04	Services, Materials, and Equipment.....	105
7.05	“Or Equals”	105
7.06	Substitutes	107
7.07	Concerning Subcontractors and Suppliers.....	108
7.08	Patent Fees and Royalties	110
7.09	Permits.....	110
7.10	Taxes	110
7.11	Laws and Regulations.....	111
7.12	Record Documents	111
7.13	Safety and Protection.....	111
7.14	Hazard Communication Programs	113
7.15	Emergencies	113
7.16	Submittals	113
7.17	Contractor’s General Warranty and Guarantee.....	116
7.18	Indemnification	117
7.19	Delegation of Professional Design Services	117
Article 8—Other Work at the Site		118
8.01	Other Work.....	118
8.02	Coordination.....	119
8.03	Legal Relationships.....	119

Article 9—Owner’s Responsibilities	121
9.01 Communications to Contractor	121
9.02 Replacement of Engineer	121
9.03 Furnish Data	121
9.04 Pay When Due	121
9.05 Lands and Easements; Reports, Tests, and Drawings	121
9.06 Insurance	121
9.07 Change Orders.....	121
9.08 Inspections, Tests, and Approvals	121
9.09 Limitations on Owner’s Responsibilities	121
9.10 Undisclosed Hazardous Environmental Condition	122
9.11 Evidence of Financial Arrangements.....	122
9.12 Safety Programs	122
Article 10—Engineer’s Status During Construction	122
10.01 Owner’s Representative	122
10.02 Visits to Site	122
10.03 Resident Project Representative	123
10.04 Engineer’s Authority	123
10.05 Determinations for Unit Price Work	123
10.06 Decisions on Requirements of Contract Documents and Acceptability of Work.....	123
10.07 Limitations on Engineer’s Authority and Responsibilities	123
10.08 Compliance with Safety Program	124
Article 11—Changes to the Contract	124
11.01 Amending and Supplementing the Contract.....	124
11.02 Change Orders.....	124
11.03 Work Change Directives	125
11.04 Field Orders	125
11.05 Owner-Authorized Changes in the Work	126
11.06 Unauthorized Changes in the Work	126
11.07 Change of Contract Price	126
11.08 Change of Contract Times	127
11.09 Change Proposals.....	128

11.10 Notification to Surety	129
Article 12—Claims.....	129
12.01 Claims	129
Article 13—Cost of the Work; Allowances; Unit Price Work	131
13.01 Cost of the Work	131
13.02 Allowances	134
13.03 Unit Price Work	135
Article 14—Tests and Inspections; Correction, Removal, or Acceptance of Defective Work.....	136
14.01 Access to Work	136
14.02 Tests, Inspections, and Approvals	136
14.03 Defective Work.....	137
14.04 Acceptance of Defective Work	137
14.05 Uncovering Work.....	138
14.06 Owner May Stop the Work	138
14.07 Owner May Correct Defective Work.....	138
Article 15—Payments to Contractor; Set-Offs; Completion; Correction Period	139
15.01 Progress Payments.....	139
15.02 Contractor’s Warranty of Title.....	142
15.03 Substantial Completion	143
15.04 Partial Use or Occupancy	144
15.05 Final Inspection	144
15.06 Final Payment	144
15.07 Waiver of Claims	146
15.08 Correction Period	146
Article 16—Suspension of Work and Termination	147
16.01 Owner May Suspend Work	147
16.02 Owner May Terminate for Cause	147
16.03 Owner May Terminate for Convenience.....	148
16.04 Contractor May Stop Work or Terminate.....	149
Article 17—Final Resolution of Disputes	149
17.01 Methods and Procedures	149
Article 18—Miscellaneous	150

18.01 Giving Notice..... 150

18.02 Computation of Times 150

18.03 Cumulative Remedies 150

18.04 Limitation of Damages 150

18.05 No Waiver 151

18.06 Survival of Obligations 151

18.07 Controlling Law 151

18.08 Assignment of Contract..... 151

18.09 Successors and Assigns 151

18.10 Headings..... 151

STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT

ARTICLE 1—DEFINITIONS AND TERMINOLOGY

1.01 *Defined Terms*

- A. Wherever used in the Bidding Requirements or Contract Documents, a term printed with initial capital letters, including the term's singular and plural forms, will have the meaning indicated in the definitions below. In addition to terms specifically defined, terms with initial capital letters in the Contract Documents include references to identified articles and paragraphs, and the titles of other documents or forms.
1. *Addenda*—Written or graphic instruments issued prior to the opening of Bids which clarify, correct, or change the Bidding Requirements or the proposed Contract Documents.
 2. *Agreement*—The written instrument, executed by Owner and Contractor, that sets forth the Contract Price and Contract Times, identifies the parties and the Engineer, and designates the specific items that are Contract Documents.
 3. *Application for Payment*—The document prepared by Contractor, in a form acceptable to Engineer, to request progress or final payments, and which is to be accompanied by such supporting documentation as is required by the Contract Documents.
 4. *Bid*—The offer of a Bidder submitted on the prescribed form setting forth the prices for the Work to be performed.
 5. *Bidder*—An individual or entity that submits a Bid to Owner.
 6. *Bidding Documents*—The Bidding Requirements, the proposed Contract Documents, and all Addenda.
 7. *Bidding Requirements*—The Advertisement or invitation to bid, Instructions to Bidders, Bid Bond or other Bid security, if any, the Bid Form, and the Bid with any attachments.
 8. *Change Order*—A document which is signed by Contractor and Owner and authorizes an addition, deletion, or revision in the Work or an adjustment in the Contract Price or the Contract Times, or other revision to the Contract, issued on or after the Effective Date of the Contract.
 9. *Change Proposal*—A written request by Contractor, duly submitted in compliance with the procedural requirements set forth herein, seeking an adjustment in Contract Price or Contract Times; contesting an initial decision by Engineer concerning the requirements of the Contract Documents or the acceptability of Work under the Contract Documents; challenging a set-off against payments due; or seeking other relief with respect to the terms of the Contract.

10. *Claim*

- a. A demand or assertion by Owner directly to Contractor, duly submitted in compliance with the procedural requirements set forth herein, seeking an adjustment of Contract Price or Contract Times; contesting an initial decision by Engineer concerning the requirements of the Contract Documents or the acceptability of Work under the Contract Documents; contesting Engineer's decision regarding a Change Proposal; seeking resolution of a contractual issue that Engineer has declined to address; or seeking other relief with respect to the terms of the Contract.
 - b. A demand or assertion by Contractor directly to Owner, duly submitted in compliance with the procedural requirements set forth herein, contesting Engineer's decision regarding a Change Proposal, or seeking resolution of a contractual issue that Engineer has declined to address.
 - c. A demand or assertion by Owner or Contractor, duly submitted in compliance with the procedural requirements set forth herein, made pursuant to Paragraph 12.01.A.4, concerning disputes arising after Engineer has issued a recommendation of final payment.
 - d. A demand for money or services by a third party is not a Claim.
11. *Constituent of Concern*—Asbestos, petroleum, radioactive materials, polychlorinated biphenyls (PCBs), lead-based paint (as defined by the HUD/EPA standard), hazardous waste, and any substance, product, waste, or other material of any nature whatsoever that is or becomes listed, regulated, or addressed pursuant to Laws and Regulations regulating, relating to, or imposing liability or standards of conduct concerning, any hazardous, toxic, or dangerous waste, substance, or material.
12. *Contract*—The entire and integrated written contract between Owner and Contractor concerning the Work.
13. *Contract Documents*—Those items so designated in the Agreement, and which together comprise the Contract.
14. *Contract Price*—The money that Owner has agreed to pay Contractor for completion of the Work in accordance with the Contract Documents.
15. *Contract Times*—The number of days or the dates by which Contractor shall:
(a) achieve Milestones, if any; (b) achieve Substantial Completion; and (c) complete the Work.
16. *Contractor*—The individual or entity with which Owner has contracted for performance of the Work.
17. *Cost of the Work*—See Paragraph 13.01 for definition.
18. *Drawings*—The part of the Contract that graphically shows the scope, extent, and character of the Work to be performed by Contractor.
19. *Effective Date of the Contract*—The date, indicated in the Agreement, on which the Contract becomes effective.

20. *Electronic Document*—Any Project-related correspondence, attachments to correspondence, data, documents, drawings, information, or graphics, including but not limited to Shop Drawings and other Submittals, that are in an electronic or digital format.
21. *Electronic Means*—Electronic mail (email), upload/download from a secure Project website, or other communications methods that allow: (a) the transmission or communication of Electronic Documents; (b) the documentation of transmissions, including sending and receipt; (c) printing of the transmitted Electronic Document by the recipient; (d) the storage and archiving of the Electronic Document by sender and recipient; and (e) the use by recipient of the Electronic Document for purposes permitted by this Contract. Electronic Means does not include the use of text messaging, or of Facebook, Twitter, Instagram, or similar social media services for transmission of Electronic Documents.
22. *Engineer*—The individual or entity named as such in the Agreement.
23. *Field Order*—A written order issued by Engineer which requires minor changes in the Work but does not change the Contract Price or the Contract Times.
24. *Hazardous Environmental Condition*—The presence at the Site of Constituents of Concern in such quantities or circumstances that may present a danger to persons or property exposed thereto.
- a. The presence at the Site of materials that are necessary for the execution of the Work, or that are to be incorporated into the Work, and that are controlled and contained pursuant to industry practices, Laws and Regulations, and the requirements of the Contract, is not a Hazardous Environmental Condition.
 - b. The presence of Constituents of Concern that are to be removed or remediated as part of the Work is not a Hazardous Environmental Condition.
 - c. The presence of Constituents of Concern as part of the routine, anticipated, and obvious working conditions at the Site, is not a Hazardous Environmental Condition.
25. *Laws and Regulations; Laws or Regulations*—Any and all applicable laws, statutes, rules, regulations, ordinances, codes, and binding decrees, resolutions, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction.
26. *Liens*—Charges, security interests, or encumbrances upon Contract-related funds, real property, or personal property.
27. *Milestone*—A principal event in the performance of the Work that the Contract requires Contractor to achieve by an intermediate completion date, or by a time prior to Substantial Completion of all the Work.
28. *Notice of Award*—The written notice by Owner to a Bidder of Owner's acceptance of the Bid.
29. *Notice to Proceed*—A written notice by Owner to Contractor fixing the date on which the Contract Times will commence to run and on which Contractor shall start to perform the Work.

30. *Owner*—The individual or entity with which Contractor has contracted regarding the Work, and which has agreed to pay Contractor for the performance of the Work, pursuant to the terms of the Contract.
31. *Progress Schedule*—A schedule, prepared and maintained by Contractor, describing the sequence and duration of the activities comprising Contractor's plan to accomplish the Work within the Contract Times.
32. *Project*—The total undertaking to be accomplished for Owner by engineers, contractors, and others, including planning, study, design, construction, testing, commissioning, and start-up, and of which the Work to be performed under the Contract Documents is a part.
33. *Resident Project Representative*—The authorized representative of Engineer assigned to assist Engineer at the Site. As used herein, the term Resident Project Representative (RPR) includes any assistants or field staff of Resident Project Representative.
34. *Samples*—Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and that establish the standards by which such portion of the Work will be judged.
35. *Schedule of Submittals*—A schedule, prepared and maintained by Contractor, of required submittals and the time requirements for Engineer's review of the submittals.
36. *Schedule of Values*—A schedule, prepared and maintained by Contractor, allocating portions of the Contract Price to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.
37. *Shop Drawings*—All drawings, diagrams, illustrations, schedules, and other data or information that are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work. Shop Drawings, whether approved or not, are not Drawings and are not Contract Documents.
38. *Site*—Lands or areas indicated in the Contract Documents as being furnished by Owner upon which the Work is to be performed, including rights-of-way and easements, and such other lands or areas furnished by Owner which are designated for the use of Contractor.
39. *Specifications*—The part of the Contract that consists of written requirements for materials, equipment, systems, standards, and workmanship as applied to the Work, and certain administrative requirements and procedural matters applicable to the Work.
40. *Subcontractor*—An individual or entity having a direct contract with Contractor or with any other Subcontractor for the performance of a part of the Work.
41. *Submittal*—A written or graphic document, prepared by or for Contractor, which the Contract Documents require Contractor to submit to Engineer, or that is indicated as a Submittal in the Schedule of Submittals accepted by Engineer. Submittals may include Shop Drawings and Samples; schedules; product data; Owner-delegated designs; sustainable design information; information on

special procedures; testing plans; results of tests and evaluations, source quality-control testing and inspections, and field or Site quality-control testing and inspections; warranties and certifications; Suppliers' instructions and reports; records of delivery of spare parts and tools; operations and maintenance data; Project photographic documentation; record documents; and other such documents required by the Contract Documents. Submittals, whether or not approved or accepted by Engineer, are not Contract Documents. Change Proposals, Change Orders, Claims, notices, Applications for Payment, and requests for interpretation or clarification are not Submittals.

42. *Substantial Completion*—The time at which the Work (or a specified part thereof) has progressed to the point where, in the opinion of Engineer, the Work (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Work (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms “substantially complete” and “substantially completed” as applied to all or part of the Work refer to Substantial Completion of such Work.

43. *Successful Bidder*—The Bidder to which the Owner makes an award of contract.

44. *Supplementary Conditions*—The part of the Contract that amends or supplements these General Conditions.

45. *Supplier*—A manufacturer, fabricator, supplier, distributor, or vendor having a direct contract with Contractor or with any Subcontractor to furnish materials or equipment to be incorporated in the Work by Contractor or a Subcontractor.

46. *Technical Data*

- a. Those items expressly identified as Technical Data in the Supplementary Conditions, with respect to either (1) existing subsurface conditions at or adjacent to the Site, or existing physical conditions at or adjacent to the Site including existing surface or subsurface structures (except Underground Facilities) or (2) Hazardous Environmental Conditions at the Site.
- b. If no such express identifications of Technical Data have been made with respect to conditions at the Site, then Technical Data is defined, with respect to conditions at the Site under Paragraphs 5.03, 5.04, and 5.06, as the data contained in boring logs, recorded measurements of subsurface water levels, assessments of the condition of subsurface facilities, laboratory test results, and other factual, objective information regarding conditions at the Site that are set forth in any geotechnical, environmental, or other Site or facilities conditions report prepared for the Project and made available to Contractor.
- c. Information and data regarding the presence or location of Underground Facilities are not intended to be categorized, identified, or defined as Technical Data, and instead Underground Facilities are shown or indicated on the Drawings.

47. *Underground Facilities*—All active or not-in-service underground lines, pipelines, conduits, ducts, encasements, cables, wires, manholes, vaults, tanks,

tunnels, or other such facilities or systems at the Site, including but not limited to those facilities or systems that produce, transmit, distribute, or convey telephone or other communications, cable television, fiber optic transmissions, power, electricity, light, heat, gases, oil, crude oil products, liquid petroleum products, water, steam, waste, wastewater, storm water, other liquids or chemicals, or traffic or other control systems. An abandoned facility or system is not an Underground Facility.

48. *Unit Price Work*—Work to be paid for on the basis of unit prices.

49. *Work*—The entire construction or the various separately identifiable parts thereof required to be provided under the Contract Documents. Work includes and is the result of performing or providing all labor, services, and documentation necessary to produce such construction; furnishing, installing, and incorporating all materials and equipment into such construction; and may include related services such as testing, start-up, and commissioning, all as required by the Contract Documents.

50. *Work Change Directive*—A written directive to Contractor issued on or after the Effective Date of the Contract, signed by Owner and recommended by Engineer, ordering an addition, deletion, or revision in the Work.

1.02 Terminology

- A. The words and terms discussed in Paragraphs 1.02.B, C, D, and E are not defined terms that require initial capital letters, but, when used in the Bidding Requirements or Contract Documents, have the indicated meaning.
- B. *Intent of Certain Terms or Adjectives*: The Contract Documents include the terms “as allowed,” “as approved,” “as ordered,” “as directed” or terms of like effect or import to authorize an exercise of professional judgment by Engineer. In addition, the adjectives “reasonable,” “suitable,” “acceptable,” “proper,” “satisfactory,” or adjectives of like effect or import are used to describe an action or determination of Engineer as to the Work. It is intended that such exercise of professional judgment, action, or determination will be solely to evaluate, in general, the Work for compliance with the information in the Contract Documents and with the design concept of the Project as a functioning whole as shown or indicated in the Contract Documents (unless there is a specific statement indicating otherwise). The use of any such term or adjective is not intended to and shall not be effective to assign to Engineer any duty or authority to supervise or direct the performance of the Work, or any duty or authority to undertake responsibility contrary to the provisions of Article 10 or any other provision of the Contract Documents.
- C. *Day*: The word “day” means a calendar day of 24 hours measured from midnight to the next midnight.
- D. *Defective*: The word “defective,” when modifying the word “Work,” refers to Work that is unsatisfactory, faulty, or deficient in that it:
 - 1. does not conform to the Contract Documents;
 - 2. does not meet the requirements of any applicable inspection, reference standard, test, or approval referred to in the Contract Documents; or

3. has been damaged prior to Engineer's recommendation of final payment (unless responsibility for the protection thereof has been assumed by Owner at Substantial Completion in accordance with Paragraph 15.03 or Paragraph 15.04).

E. *Furnish, Install, Perform, Provide*

1. The word "furnish," when used in connection with services, materials, or equipment, means to supply and deliver said services, materials, or equipment to the Site (or some other specified location) ready for use or installation and in usable or operable condition.
2. The word "install," when used in connection with services, materials, or equipment, means to put into use or place in final position said services, materials, or equipment complete and ready for intended use.
3. The words "perform" or "provide," when used in connection with services, materials, or equipment, means to furnish and install said services, materials, or equipment complete and ready for intended use.
4. If the Contract Documents establish an obligation of Contractor with respect to specific services, materials, or equipment, but do not expressly use any of the four words "furnish," "install," "perform," or "provide," then Contractor shall furnish and install said services, materials, or equipment complete and ready for intended use.

F. *Contract Price or Contract Times*: References to a change in "Contract Price or Contract Times" or "Contract Times or Contract Price" or similar, indicate that such change applies to (1) Contract Price, (2) Contract Times, or (3) both Contract Price and Contract Times, as warranted, even if the term "or both" is not expressed.

G. Unless stated otherwise in the Contract Documents, words or phrases that have a well-known technical or construction industry or trade meaning are used in the Contract Documents in accordance with such recognized meaning.

ARTICLE 2—PRELIMINARY MATTERS

2.01 *Delivery of Performance and Payment Bonds; Evidence of Insurance*

- A. *Performance and Payment Bonds*: When Contractor delivers the signed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner the performance bond and payment bond (if the Contract requires Contractor to furnish such bonds).
- B. *Evidence of Contractor's Insurance*: When Contractor delivers the signed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner, with copies to each additional insured (as identified in the Contract), the certificates, endorsements, and other evidence of insurance required to be provided by Contractor in accordance with Article 6, except to the extent the Supplementary Conditions expressly establish other dates for delivery of specific insurance policies.
- C. *Evidence of Owner's Insurance*: After receipt of the signed counterparts of the Agreement and all required bonds and insurance documentation, Owner shall

promptly deliver to Contractor, with copies to each additional insured (as identified in the Contract), the certificates and other evidence of insurance required to be provided by Owner under Article 6.

2.02 *Copies of Documents*

- A. Owner shall furnish to Contractor four printed copies of the Contract (including one fully signed counterpart of the Agreement), and one copy in electronic portable document format (PDF). Additional printed copies will be furnished upon request at the cost of reproduction.
- B. Owner shall maintain and safeguard at least one original printed record version of the Contract, including Drawings and Specifications signed and sealed by Engineer and other design professionals. Owner shall make such original printed record version of the Contract available to Contractor for review. Owner may delegate the responsibilities under this provision to Engineer.

2.03 *Before Starting Construction*

- A. *Preliminary Schedules*: Within 10 days after the Effective Date of the Contract (or as otherwise required by the Contract Documents), Contractor shall submit to Engineer for timely review:
 - 1. a preliminary Progress Schedule indicating the times (numbers of days or dates) for starting and completing the various stages of the Work, including any Milestones specified in the Contract;
 - 2. a preliminary Schedule of Submittals; and
 - 3. a preliminary Schedule of Values for all of the Work which includes quantities and prices of items which when added together equal the Contract Price and subdivides the Work into component parts in sufficient detail to serve as the basis for progress payments during performance of the Work. Such prices will include an appropriate amount of overhead and profit applicable to each item of Work.

2.04 *Preconstruction Conference; Designation of Authorized Representatives*

- A. Before any Work at the Site is started, a conference attended by Owner, Contractor, Engineer, and others as appropriate will be held to establish a working understanding among the parties as to the Work, and to discuss the schedules referred to in Paragraph 2.03.A, procedures for handling Shop Drawings, Samples, and other Submittals, processing Applications for Payment, electronic or digital transmittals, and maintaining required records.
- B. At this conference Owner and Contractor each shall designate, in writing, a specific individual to act as its authorized representative with respect to the services and responsibilities under the Contract. Such individuals shall have the authority to transmit and receive information, render decisions relative to the Contract, and otherwise act on behalf of each respective party.

2.05 *Acceptance of Schedules*

- A. At least 10 days before submission of the first Application for Payment a conference, attended by Contractor, Engineer, and others as appropriate, will be

held to review the schedules submitted in accordance with Paragraph 2.03.A. No progress payment will be made to Contractor until acceptable schedules are submitted to Engineer.

1. The Progress Schedule will be acceptable to Engineer if it provides an orderly progression of the Work to completion within the Contract Times. Such acceptance will not impose on Engineer responsibility for the Progress Schedule, for sequencing, scheduling, or progress of the Work, nor interfere with or relieve Contractor from Contractor's full responsibility therefor.
2. Contractor's Schedule of Submittals will be acceptable to Engineer if it provides a workable arrangement for reviewing and processing the required submittals.
3. Contractor's Schedule of Values will be acceptable to Engineer as to form and substance if it provides a reasonable allocation of the Contract Price to the component parts of the Work.
4. If a schedule is not acceptable, Contractor will have an additional 10 days to revise and resubmit the schedule.

2.06 *Electronic Transmittals*

- A. Except as otherwise stated elsewhere in the Contract, the Owner, Engineer, and Contractor may send, and shall accept, Electronic Documents transmitted by Electronic Means.
- B. If the Contract does not establish protocols for Electronic Means, then Owner, Engineer, and Contractor shall jointly develop such protocols.
- C. Subject to any governing protocols for Electronic Means, when transmitting Electronic Documents by Electronic Means, the transmitting party makes no representations as to long-term compatibility, usability, or readability of the Electronic Documents resulting from the recipient's use of software application packages, operating systems, or computer hardware differing from those used in the drafting or transmittal of the Electronic Documents.

ARTICLE 3—CONTRACT DOCUMENTS: INTENT, REQUIREMENTS, REUSE

3.01 *Intent*

- A. The Contract Documents are complementary; what is required by one Contract Document is as binding as if required by all.
- B. It is the intent of the Contract Documents to describe a functionally complete Project (or part thereof) to be constructed in accordance with the Contract Documents.
- C. Unless otherwise stated in the Contract Documents, if there is a discrepancy between the electronic versions of the Contract Documents (including any printed copies derived from such electronic versions) and the printed record version, the printed record version will govern.
- D. The Contract supersedes prior negotiations, representations, and agreements, whether written or oral.

- E. Engineer will issue clarifications and interpretations of the Contract Documents as provided herein.
- F. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation will be deemed stricken, and all remaining provisions will continue to be valid and binding upon Owner and Contractor, which agree that the Contract Documents will be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.
- G. Nothing in the Contract Documents creates:
 - 1. any contractual relationship between Owner or Engineer and any Subcontractor, Supplier, or other individual or entity performing or furnishing any of the Work, for the benefit of such Subcontractor, Supplier, or other individual or entity; or
 - 2. any obligation on the part of Owner or Engineer to pay or to see to the payment of any money due any such Subcontractor, Supplier, or other individual or entity, except as may otherwise be required by Laws and Regulations.

3.02 *Reference Standards*

A. *Standards Specifications, Codes, Laws and Regulations*

- 1. Reference in the Contract Documents to standard specifications, manuals, reference standards, or codes of any technical society, organization, or association, or to Laws or Regulations, whether such reference be specific or by implication, means the standard specification, manual, reference standard, code, or Laws or Regulations in effect at the time of opening of Bids (or on the Effective Date of the Contract if there were no Bids), except as may be otherwise specifically stated in the Contract Documents.
- 2. No provision of any such standard specification, manual, reference standard, or code, and no instruction of a Supplier, will be effective to change the duties or responsibilities of Owner, Contractor, or Engineer from those set forth in the part of the Contract Documents prepared by or for Engineer. No such provision or instruction shall be effective to assign to Owner or Engineer any duty or authority to supervise or direct the performance of the Work, or any duty or authority to undertake responsibility inconsistent with the provisions of the part of the Contract Documents prepared by or for Engineer.

3.03 *Reporting and Resolving Discrepancies*

A. *Reporting Discrepancies*

- 1. ***Contractor's Verification of Figures and Field Measurements:*** Before undertaking each part of the Work, Contractor shall carefully study the Contract Documents, and check and verify pertinent figures and dimensions therein, particularly with respect to applicable field measurements. Contractor shall promptly report in writing to Engineer any conflict, error, ambiguity, or discrepancy that Contractor discovers, or has actual knowledge of, and shall not proceed with any Work affected thereby until the conflict, error, ambiguity, or discrepancy is resolved by a clarification or interpretation by Engineer, or by

an amendment or supplement to the Contract issued pursuant to Paragraph 11.01.

2. *Contractor's Review of Contract Documents:* If, before or during the performance of the Work, Contractor discovers any conflict, error, ambiguity, or discrepancy within the Contract Documents, or between the Contract Documents and (a) any applicable Law or Regulation, (b) actual field conditions, (c) any standard specification, manual, reference standard, or code, or (d) any instruction of any Supplier, then Contractor shall promptly report it to Engineer in writing. Contractor shall not proceed with the Work affected thereby (except in an emergency as required by Paragraph 7.15) until the conflict, error, ambiguity, or discrepancy is resolved, by a clarification or interpretation by Engineer, or by an amendment or supplement to the Contract issued pursuant to Paragraph 11.01.
3. Contractor shall not be liable to Owner or Engineer for failure to report any conflict, error, ambiguity, or discrepancy in the Contract Documents unless Contractor had actual knowledge thereof.

B. *Resolving Discrepancies*

1. Except as may be otherwise specifically stated in the Contract Documents, the provisions of the part of the Contract Documents prepared by or for Engineer take precedence in resolving any conflict, error, ambiguity, or discrepancy between such provisions of the Contract Documents and:
 - a. the provisions of any standard specification, manual, reference standard, or code, or the instruction of any Supplier (whether or not specifically incorporated by reference as a Contract Document); or
 - b. the provisions of any Laws or Regulations applicable to the performance of the Work (unless such an interpretation of the provisions of the Contract Documents would result in violation of such Law or Regulation).

3.04 *Requirements of the Contract Documents*

- A. During the performance of the Work and until final payment, Contractor and Owner shall submit to the Engineer in writing all matters in question concerning the requirements of the Contract Documents (sometimes referred to as requests for information or interpretation—RFIs), or relating to the acceptability of the Work under the Contract Documents, as soon as possible after such matters arise. Engineer will be the initial interpreter of the requirements of the Contract Documents, and judge of the acceptability of the Work.
- B. Engineer will, with reasonable promptness, render a written clarification, interpretation, or decision on the issue submitted, or initiate an amendment or supplement to the Contract Documents. Engineer's written clarification, interpretation, or decision will be final and binding on Contractor, unless it appeals by submitting a Change Proposal, and on Owner, unless it appeals by filing a Claim.
- C. If a submitted matter in question concerns terms and conditions of the Contract Documents that do not involve (1) the performance or acceptability of the Work

under the Contract Documents, (2) the design (as set forth in the Drawings, Specifications, or otherwise), or (3) other engineering or technical matters, then Engineer will promptly notify Owner and Contractor in writing that Engineer is unable to provide a decision or interpretation. If Owner and Contractor are unable to agree on resolution of such a matter in question, either party may pursue resolution as provided in Article 12.

3.05 *Reuse of Documents*

A. Contractor and its Subcontractors and Suppliers shall not:

1. have or acquire any title to or ownership rights in any of the Drawings, Specifications, or other documents (or copies of any thereof) prepared by or bearing the seal of Engineer or its consultants, including electronic media versions, or reuse any such Drawings, Specifications, other documents, or copies thereof on extensions of the Project or any other project without written consent of Owner and Engineer and specific written verification or adaptation by Engineer; or
2. have or acquire any title or ownership rights in any other Contract Documents, reuse any such Contract Documents for any purpose without Owner's express written consent, or violate any copyrights pertaining to such Contract Documents.

B. The prohibitions of this Paragraph 3.05 will survive final payment, or termination of the Contract. Nothing herein precludes Contractor from retaining copies of the Contract Documents for record purposes.

ARTICLE 4—COMMENCEMENT AND PROGRESS OF THE WORK

4.01 *Commencement of Contract Times; Notice to Proceed*

A. The Contract Times will commence to run on the 30th day after the Effective Date of the Contract or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within 30 days after the Effective Date of the Contract. In no event will the Contract Times commence to run later than the 60th day after the day of Bid opening or the 30th day after the Effective Date of the Contract, whichever date is earlier.

4.02 *Starting the Work*

A. Contractor shall start to perform the Work on the date when the Contract Times commence to run. No Work may be done at the Site prior to such date.

4.03 *Reference Points*

A. Owner shall provide engineering surveys to establish reference points for construction which in Engineer's judgment are necessary to enable Contractor to proceed with the Work. Contractor shall be responsible for laying out the Work, shall protect and preserve the established reference points and property monuments, and shall make no changes or relocations without the prior written approval of Owner. Contractor shall report to Engineer whenever any reference point or property monument is lost or destroyed or requires relocation because of necessary changes in grades or locations, and shall be responsible for the

accurate replacement or relocation of such reference points or property monuments by professionally qualified personnel.

4.04 *Progress Schedule*

- A. Contractor shall adhere to the Progress Schedule established in accordance with Paragraph 2.05 as it may be adjusted from time to time as provided below.
 - 1. Contractor shall submit to Engineer for acceptance (to the extent indicated in Paragraph 2.05) proposed adjustments in the Progress Schedule that will not result in changing the Contract Times.
 - 2. Proposed adjustments in the Progress Schedule that will change the Contract Times must be submitted in accordance with the requirements of Article 11.
- B. Contractor shall carry on the Work and adhere to the Progress Schedule during all disputes or disagreements with Owner. No Work will be delayed or postponed pending resolution of any disputes or disagreements, or during any appeal process, except as permitted by Paragraph 16.04, or as Owner and Contractor may otherwise agree in writing.

4.05 *Delays in Contractor's Progress*

- A. If Owner, Engineer, or anyone for whom Owner is responsible, delays, disrupts, or interferes with the performance or progress of the Work, then Contractor shall be entitled to an equitable adjustment in Contract Price or Contract Times.
- B. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for delay, disruption, or interference caused by or within the control of Contractor. Delay, disruption, and interference attributable to and within the control of a Subcontractor or Supplier shall be deemed to be within the control of Contractor.
- C. If Contractor's performance or progress is delayed, disrupted, or interfered with by unanticipated causes not the fault of and beyond the control of Owner, Contractor, and those for which they are responsible, then Contractor shall be entitled to an equitable adjustment in Contract Times. Such an adjustment will be Contractor's sole and exclusive remedy for the delays, disruption, and interference described in this paragraph. Causes of delay, disruption, or interference that may give rise to an adjustment in Contract Times under this paragraph include but are not limited to the following:
 - 1. Severe and unavoidable natural catastrophes such as fires, floods, epidemics, and earthquakes;
 - 2. Abnormal weather conditions;
 - 3. Acts or failures to act of third-party utility owners or other third-party entities (other than those third-party utility owners or other third-party entities performing other work at or adjacent to the Site as arranged by or under contract with Owner, as contemplated in Article 8); and
 - 4. Acts of war or terrorism.

- D. Contractor's entitlement to an adjustment of Contract Times or Contract Price is limited as follows:
1. Contractor's entitlement to an adjustment of the Contract Times is conditioned on the delay, disruption, or interference adversely affecting an activity on the critical path to completion of the Work, as of the time of the delay, disruption, or interference.
 2. Contractor shall not be entitled to an adjustment in Contract Price for any delay, disruption, or interference if such delay is concurrent with a delay, disruption, or interference caused by or within the control of Contractor. Such a concurrent delay by Contractor shall not preclude an adjustment of Contract Times to which Contractor is otherwise entitled.
 3. Adjustments of Contract Times or Contract Price are subject to the provisions of Article 11.
- E. Each Contractor request or Change Proposal seeking an increase in Contract Times or Contract Price must be supplemented by supporting data that sets forth in detail the following:
1. The circumstances that form the basis for the requested adjustment;
 2. The date upon which each cause of delay, disruption, or interference began to affect the progress of the Work;
 3. The date upon which each cause of delay, disruption, or interference ceased to affect the progress of the Work;
 4. The number of days' increase in Contract Times claimed as a consequence of each such cause of delay, disruption, or interference; and
 5. The impact on Contract Price, in accordance with the provisions of Paragraph 11.07.
- Contractor shall also furnish such additional supporting documentation as Owner or Engineer may require including, where appropriate, a revised progress schedule indicating all the activities affected by the delay, disruption, or interference, and an explanation of the effect of the delay, disruption, or interference on the critical path to completion of the Work.
- F. Delays, disruption, and interference to the performance or progress of the Work resulting from the existence of a differing subsurface or physical condition, an Underground Facility that was not shown or indicated by the Contract Documents, or not shown or indicated with reasonable accuracy, and those resulting from Hazardous Environmental Conditions, are governed by Article 5, together with the provisions of Paragraphs 4.05.D and 4.05.E.
- G. Paragraph 8.03 addresses delays, disruption, and interference to the performance or progress of the Work resulting from the performance of certain other work at or adjacent to the Site.

ARTICLE 5—SITE; SUBSURFACE AND PHYSICAL CONDITIONS; HAZARDOUS ENVIRONMENTAL CONDITIONS

5.01 *Availability of Lands*

- A. Owner shall furnish the Site. Owner shall notify Contractor in writing of any encumbrances or restrictions not of general application but specifically related to use of the Site with which Contractor must comply in performing the Work.
- B. Upon reasonable written request, Owner shall furnish Contractor with a current statement of record legal title and legal description of the lands upon which permanent improvements are to be made and Owner's interest therein as necessary for giving notice of or filing a mechanic's or construction lien against such lands in accordance with applicable Laws and Regulations.
- C. Contractor shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment.

5.02 *Use of Site and Other Areas*

A. *Limitation on Use of Site and Other Areas*

- 1. Contractor shall confine construction equipment, temporary construction facilities, the storage of materials and equipment, and the operations of workers to the Site, adjacent areas that Contractor has arranged to use through construction easements or otherwise, and other adjacent areas permitted by Laws and Regulations, and shall not unreasonably encumber the Site and such other adjacent areas with construction equipment or other materials or equipment. Contractor shall assume full responsibility for (a) damage to the Site; (b) damage to any such other adjacent areas used for Contractor's operations; (c) damage to any other adjacent land or areas, or to improvements, structures, utilities, or similar facilities located at such adjacent lands or areas; and (d) for injuries and losses sustained by the owners or occupants of any such land or areas; provided that such damage or injuries result from the performance of the Work or from other actions or conduct of the Contractor or those for which Contractor is responsible.
- 2. If a damage or injury claim is made by the owner or occupant of any such land or area because of the performance of the Work, or because of other actions or conduct of the Contractor or those for which Contractor is responsible, Contractor shall (a) take immediate corrective or remedial action as required by Paragraph 7.13, or otherwise; (b) promptly attempt to settle the claim as to all parties through negotiations with such owner or occupant, or otherwise resolve the claim by arbitration or other dispute resolution proceeding, or in a court of competent jurisdiction; and (c) to the fullest extent permitted by Laws and Regulations, indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, from and against any such claim, and against all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any claim or action, legal or equitable, brought by any such owner or occupant

against Owner, Engineer, or any other party indemnified hereunder to the extent caused directly or indirectly, in whole or in part by, or based upon, Contractor's performance of the Work, or because of other actions or conduct of the Contractor or those for which Contractor is responsible.

- B. *Removal of Debris During Performance of the Work:* During the progress of the Work the Contractor shall keep the Site and other adjacent areas free from accumulations of waste materials, rubbish, and other debris. Removal and disposal of such waste materials, rubbish, and other debris will conform to applicable Laws and Regulations.
- C. *Cleaning:* Prior to Substantial Completion of the Work Contractor shall clean the Site and the Work and make it ready for utilization by Owner. At the completion of the Work Contractor shall remove from the Site and adjacent areas all tools, appliances, construction equipment and machinery, and surplus materials and shall restore to original condition all property not designated for alteration by the Contract Documents.
- D. *Loading of Structures:* Contractor shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall Contractor subject any part of the Work or adjacent structures or land to stresses or pressures that will endanger them.

5.03 *Subsurface and Physical Conditions*

- A. *Reports and Drawings:* The Supplementary Conditions identify:
 - 1. Those reports of explorations and tests of subsurface conditions at or adjacent to the Site that contain Technical Data;
 - 2. Those drawings of existing physical conditions at or adjacent to the Site, including those drawings depicting existing surface or subsurface structures at or adjacent to the Site (except Underground Facilities), that contain Technical Data; and
 - 3. Technical Data contained in such reports and drawings.
- B. *Underground Facilities:* Underground Facilities are shown or indicated on the Drawings, pursuant to Paragraph 5.05, and not in the drawings referred to in Paragraph 5.03.A. Information and data regarding the presence or location of Underground Facilities are not intended to be categorized, identified, or defined as Technical Data.
- C. *Reliance by Contractor on Technical Data:* Contractor may rely upon the accuracy of the Technical Data expressly identified in the Supplementary Conditions with respect to such reports and drawings, but such reports and drawings are not Contract Documents. If no such express identification has been made, then Contractor may rely upon the accuracy of the Technical Data as defined in Paragraph 1.01.A.46.b.
- D. *Limitations of Other Data and Documents:* Except for such reliance on Technical Data, Contractor may not rely upon or make any claim against Owner or Engineer,

or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto;
2. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings;
3. the contents of other Site-related documents made available to Contractor, such as record drawings from other projects at or adjacent to the Site, or Owner's archival documents concerning the Site; or
4. any Contractor interpretation of or conclusion drawn from any Technical Data or any such other data, interpretations, opinions, or information.

5.04 *Differing Subsurface or Physical Conditions*

A. *Notice by Contractor:* If Contractor believes that any subsurface or physical condition that is uncovered or revealed at the Site:

1. is of such a nature as to establish that any Technical Data on which Contractor is entitled to rely as provided in Paragraph 5.03 is materially inaccurate;
2. is of such a nature as to require a change in the Drawings or Specifications;
3. differs materially from that shown or indicated in the Contract Documents; or
4. is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents;

then Contractor shall, promptly after becoming aware thereof and before further disturbing the subsurface or physical conditions or performing any Work in connection therewith (except in an emergency as required by Paragraph 7.15), notify Owner and Engineer in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except with respect to an emergency) until receipt of a written statement permitting Contractor to do so.

B. *Engineer's Review:* After receipt of written notice as required by the preceding paragraph, Engineer will promptly review the subsurface or physical condition in question; determine whether it is necessary for Owner to obtain additional exploration or tests with respect to the condition; conclude whether the condition falls within any one or more of the differing site condition categories in Paragraph 5.04.A; obtain any pertinent cost or schedule information from Contractor; prepare recommendations to Owner regarding the Contractor's resumption of Work in connection with the subsurface or physical condition in question and the need for any change in the Drawings or Specifications; and advise Owner in writing of Engineer's findings, conclusions, and recommendations.

C. *Owner's Statement to Contractor Regarding Site Condition:* After receipt of Engineer's written findings, conclusions, and recommendations, Owner shall issue a written statement to Contractor (with a copy to Engineer) regarding the

subsurface or physical condition in question, addressing the resumption of Work in connection with such condition, indicating whether any change in the Drawings or Specifications will be made, and adopting or rejecting Engineer's written findings, conclusions, and recommendations, in whole or in part.

- D. *Early Resumption of Work*: If at any time Engineer determines that Work in connection with the subsurface or physical condition in question may resume prior to completion of Engineer's review or Owner's issuance of its statement to Contractor, because the condition in question has been adequately documented, and analyzed on a preliminary basis, then the Engineer may at its discretion instruct Contractor to resume such Work.
- E. *Possible Price and Times Adjustments*
1. Contractor shall be entitled to an equitable adjustment in Contract Price or Contract Times, to the extent that the existence of a differing subsurface or physical condition, or any related delay, disruption, or interference, causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:
 - a. Such condition must fall within any one or more of the categories described in Paragraph 5.04.A;
 - b. With respect to Work that is paid for on a unit price basis, any adjustment in Contract Price will be subject to the provisions of Paragraph 13.03; and,
 - c. Contractor's entitlement to an adjustment of the Contract Times is subject to the provisions of Paragraphs 4.05.D and 4.05.E.
 2. Contractor shall not be entitled to any adjustment in the Contract Price or Contract Times with respect to a subsurface or physical condition if:
 - a. Contractor knew of the existence of such condition at the time Contractor made a commitment to Owner with respect to Contract Price and Contract Times by the submission of a Bid or becoming bound under a negotiated contract, or otherwise;
 - b. The existence of such condition reasonably could have been discovered or revealed as a result of any examination, investigation, exploration, test, or study of the Site and contiguous areas expressly required by the Bidding Requirements or Contract Documents to be conducted by or for Contractor prior to Contractor's making such commitment; or
 - c. Contractor failed to give the written notice required by Paragraph 5.04.A.
 3. If Owner and Contractor agree regarding Contractor's entitlement to and the amount or extent of any adjustment in the Contract Price or Contract Times, then any such adjustment will be set forth in a Change Order.
 4. Contractor may submit a Change Proposal regarding its entitlement to or the amount or extent of any adjustment in the Contract Price or Contract Times, no later than 30 days after Owner's issuance of the Owner's written statement to Contractor regarding the subsurface or physical condition in question.

- F. *Underground Facilities; Hazardous Environmental Conditions*: Paragraph 5.05 governs rights and responsibilities regarding the presence or location of Underground Facilities. Paragraph 5.06 governs rights and responsibilities regarding Hazardous Environmental Conditions. The provisions of Paragraphs 5.03 and 5.04 are not applicable to the presence or location of Underground Facilities, or to Hazardous Environmental Conditions.

5.05 *Underground Facilities*

- A. *Contractor's Responsibilities*: Unless it is otherwise expressly provided in the Supplementary Conditions, the cost of all of the following are included in the Contract Price, and Contractor shall have full responsibility for:
1. reviewing and checking all information and data regarding existing Underground Facilities at the Site;
 2. complying with applicable state and local utility damage prevention Laws and Regulations;
 3. verifying the actual location of those Underground Facilities shown or indicated in the Contract Documents as being within the area affected by the Work, by exposing such Underground Facilities during the course of construction;
 4. coordination of the Work with the owners (including Owner) of such Underground Facilities, during construction; and
 5. the safety and protection of all existing Underground Facilities at the Site, and repairing any damage thereto resulting from the Work.
- B. *Notice by Contractor*: If Contractor believes that an Underground Facility that is uncovered or revealed at the Site was not shown or indicated on the Drawings, or was not shown or indicated on the Drawings with reasonable accuracy, then Contractor shall, promptly after becoming aware thereof and before further disturbing conditions affected thereby or performing any Work in connection therewith (except in an emergency as required by Paragraph 7.15), notify Owner and Engineer in writing regarding such Underground Facility.
- C. *Engineer's Review*: Engineer will:
1. promptly review the Underground Facility and conclude whether such Underground Facility was not shown or indicated on the Drawings, or was not shown or indicated with reasonable accuracy;
 2. identify and communicate with the owner of the Underground Facility; prepare recommendations to Owner (and if necessary issue any preliminary instructions to Contractor) regarding the Contractor's resumption of Work in connection with the Underground Facility in question;
 3. obtain any pertinent cost or schedule information from Contractor; determine the extent, if any, to which a change is required in the Drawings or Specifications to reflect and document the consequences of the existence or location of the Underground Facility; and
 4. advise Owner in writing of Engineer's findings, conclusions, and recommendations.

During such time, Contractor shall be responsible for the safety and protection of such Underground Facility.

- D. *Owner's Statement to Contractor Regarding Underground Facility:* After receipt of Engineer's written findings, conclusions, and recommendations, Owner shall issue a written statement to Contractor (with a copy to Engineer) regarding the Underground Facility in question addressing the resumption of Work in connection with such Underground Facility, indicating whether any change in the Drawings or Specifications will be made, and adopting or rejecting Engineer's written findings, conclusions, and recommendations in whole or in part.
- E. *Early Resumption of Work:* If at any time Engineer determines that Work in connection with the Underground Facility may resume prior to completion of Engineer's review or Owner's issuance of its statement to Contractor, because the Underground Facility in question and conditions affected by its presence have been adequately documented, and analyzed on a preliminary basis, then the Engineer may at its discretion instruct Contractor to resume such Work.
- F. *Possible Price and Times Adjustments*
1. Contractor shall be entitled to an equitable adjustment in the Contract Price or Contract Times, to the extent that any existing Underground Facility at the Site that was not shown or indicated on the Drawings, or was not shown or indicated with reasonable accuracy, or any related delay, disruption, or interference, causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:
 - a. With respect to Work that is paid for on a unit price basis, any adjustment in Contract Price will be subject to the provisions of Paragraph 13.03;
 - b. Contractor's entitlement to an adjustment of the Contract Times is subject to the provisions of Paragraphs 4.05.D and 4.05.E; and
 - c. Contractor gave the notice required in Paragraph 5.05.B.
 2. If Owner and Contractor agree regarding Contractor's entitlement to and the amount or extent of any adjustment in the Contract Price or Contract Times, then any such adjustment will be set forth in a Change Order.
 3. Contractor may submit a Change Proposal regarding its entitlement to or the amount or extent of any adjustment in the Contract Price or Contract Times, no later than 30 days after Owner's issuance of the Owner's written statement to Contractor regarding the Underground Facility in question.
 4. The information and data shown or indicated on the Drawings with respect to existing Underground Facilities at the Site is based on information and data (a) furnished by the owners of such Underground Facilities, or by others, (b) obtained from available records, or (c) gathered in an investigation conducted in accordance with the current edition of ASCE 38, Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data, by the American Society of Civil Engineers. If such information or data is incorrect or incomplete, Contractor's remedies are limited to those set forth in this Paragraph 5.05.F.

5.06 *Hazardous Environmental Conditions at Site*

A. *Reports and Drawings*: The Supplementary Conditions identify:

1. those reports known to Owner relating to Hazardous Environmental Conditions that have been identified at or adjacent to the Site;
2. drawings known to Owner relating to Hazardous Environmental Conditions that have been identified at or adjacent to the Site; and
3. Technical Data contained in such reports and drawings.

B. *Reliance by Contractor on Technical Data Authorized*: Contractor may rely upon the accuracy of the Technical Data expressly identified in the Supplementary Conditions with respect to such reports and drawings, but such reports and drawings are not Contract Documents. If no such express identification has been made, then Contractor may rely on the accuracy of the Technical Data as defined in Paragraph 1.01.A.46.b. Except for such reliance on Technical Data, Contractor may not rely upon or make any claim against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto;
2. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or
3. any Contractor interpretation of or conclusion drawn from any Technical Data or any such other data, interpretations, opinions or information.

C. Contractor shall not be responsible for removing or remediating any Hazardous Environmental Condition encountered, uncovered, or revealed at the Site unless such removal or remediation is expressly identified in the Contract Documents to be within the scope of the Work.

D. Contractor shall be responsible for controlling, containing, and duly removing all Constituents of Concern brought to the Site by Contractor, Subcontractors, Suppliers, or anyone else for whom Contractor is responsible, and for any associated costs; and for the costs of removing and remediating any Hazardous Environmental Condition created by the presence of any such Constituents of Concern.

E. If Contractor encounters, uncovers, or reveals a Hazardous Environmental Condition whose removal or remediation is not expressly identified in the Contract Documents as being within the scope of the Work, or if Contractor or anyone for whom Contractor is responsible creates a Hazardous Environmental Condition, then Contractor shall immediately: (1) secure or otherwise isolate such condition; (2) stop all Work in connection with such condition and in any area affected thereby (except in an emergency as required by Paragraph 7.15); and (3) notify Owner and Engineer (and promptly thereafter confirm such notice in writing). Owner shall promptly consult with Engineer concerning the necessity for Owner to retain a

qualified expert to evaluate such condition or take corrective action, if any. Promptly after consulting with Engineer, Owner shall take such actions as are necessary to permit Owner to timely obtain required permits and provide Contractor the written notice required by Paragraph 5.06.F. If Contractor or anyone for whom Contractor is responsible created the Hazardous Environmental Condition in question, then Owner may remove and remediate the Hazardous Environmental Condition, and impose a set-off against payments to account for the associated costs.

- F. Contractor shall not resume Work in connection with such Hazardous Environmental Condition or in any affected area until after Owner has obtained any required permits related thereto, and delivered written notice to Contractor either (1) specifying that such condition and any affected area is or has been rendered safe for the resumption of Work, or (2) specifying any special conditions under which such Work may be resumed safely.
- G. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times, as a result of such Work stoppage, such special conditions under which Work is agreed to be resumed by Contractor, or any costs or expenses incurred in response to the Hazardous Environmental Condition, then within 30 days of Owner's written notice regarding the resumption of Work, Contractor may submit a Change Proposal, or Owner may impose a set-off. Entitlement to any such adjustment is subject to the provisions of Paragraphs 4.05.D, 4.05.E, 11.07, and 11.08.
- H. If, after receipt of such written notice, Contractor does not agree to resume such Work based on a reasonable belief it is unsafe, or does not agree to resume such Work under such special conditions, then Owner may order the portion of the Work that is in the area affected by such condition to be deleted from the Work, following the contractual change procedures in Article 11. Owner may have such deleted portion of the Work performed by Owner's own forces or others in accordance with Article 8.
- I. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, Subcontractors, and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court, arbitration, or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition, provided that such Hazardous Environmental Condition (1) was not shown or indicated in the Drawings, Specifications, or other Contract Documents, identified as Technical Data entitled to limited reliance pursuant to Paragraph 5.06.B, or identified in the Contract Documents to be included within the scope of the Work, and (2) was not created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 5.06.I obligates Owner to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.
- J. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of

them, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to the failure to control, contain, or remove a Constituent of Concern brought to the Site by Contractor or by anyone for whom Contractor is responsible, or to a Hazardous Environmental Condition created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 5.06.J obligates Contractor to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.

- K. The provisions of Paragraphs 5.03, 5.04, and 5.05 do not apply to the presence of Constituents of Concern or to a Hazardous Environmental Condition uncovered or revealed at the Site.

ARTICLE 6—BONDS AND INSURANCE

6.01 *Performance, Payment, and Other Bonds*

- A. Contractor shall furnish a performance bond and a payment bond, each in an amount at least equal to the Contract Price, as security for the faithful performance and payment of Contractor's obligations under the Contract. These bonds must remain in effect until one year after the date when final payment becomes due or until completion of the correction period specified in Paragraph 15.08, whichever is later, except as provided otherwise by Laws or Regulations, the terms of a prescribed bond form, the Supplementary Conditions, or other provisions of the Contract.
- B. Contractor shall also furnish such other bonds (if any) as are required by the Supplementary Conditions or other provisions of the Contract.
- C. All bonds must be in the form included in the Bidding Documents or otherwise specified by Owner prior to execution of the Contract, except as provided otherwise by Laws or Regulations, and must be issued and signed by a surety named in "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Department Circular 570 (as amended and supplemented) by the Bureau of the Fiscal Service, U.S. Department of the Treasury. A bond signed by an agent or attorney-in-fact must be accompanied by a certified copy of that individual's authority to bind the surety. The evidence of authority must show that it is effective on the date the agent or attorney-in-fact signed the accompanying bond.
- D. Contractor shall obtain the required bonds from surety companies that are duly licensed or authorized, in the state or jurisdiction in which the Project is located, to issue bonds in the required amounts.
- E. If the surety on a bond furnished by Contractor is declared bankrupt or becomes insolvent, or the surety ceases to meet the requirements above, then Contractor shall promptly notify Owner and Engineer in writing and shall, within 20 days after the event giving rise to such notification, provide another bond and surety, both of which must comply with the bond and surety requirements above.

- F. If Contractor has failed to obtain a required bond, Owner may exclude the Contractor from the Site and exercise Owner's termination rights under Article 16.
- G. Upon request to Owner from any Subcontractor, Supplier, or other person or entity claiming to have furnished labor, services, materials, or equipment used in the performance of the Work, Owner shall provide a copy of the payment bond to such person or entity.
- H. Upon request to Contractor from any Subcontractor, Supplier, or other person or entity claiming to have furnished labor, services, materials, or equipment used in the performance of the Work, Contractor shall provide a copy of the payment bond to such person or entity.

6.02 *Insurance—General Provisions*

- A. Owner and Contractor shall obtain and maintain insurance as required in this article and in the Supplementary Conditions.
- B. All insurance required by the Contract to be purchased and maintained by Owner or Contractor shall be obtained from insurance companies that are duly licensed or authorized in the state or jurisdiction in which the Project is located to issue insurance policies for the required limits and coverages. Unless a different standard is indicated in the Supplementary Conditions, all companies that provide insurance policies required under this Contract shall have an A.M. Best rating of A-VII or better.
- C. Alternative forms of insurance coverage, including but not limited to self-insurance and "Occupational Accident and Excess Employer's Indemnity Policies," are not sufficient to meet the insurance requirements of this Contract, unless expressly allowed in the Supplementary Conditions.
- D. Contractor shall deliver to Owner, with copies to each additional insured identified in the Contract, certificates of insurance and endorsements establishing that Contractor has obtained and is maintaining the policies and coverages required by the Contract. Upon request by Owner or any other insured, Contractor shall also furnish other evidence of such required insurance, including but not limited to copies of policies, documentation of applicable self-insured retentions (if allowed) and deductibles, full disclosure of all relevant exclusions, and evidence of insurance required to be purchased and maintained by Subcontractors or Suppliers. In any documentation furnished under this provision, Contractor, Subcontractors, and Suppliers may block out (redact) (1) any confidential premium or pricing information and (2) any wording specific to a project or jurisdiction other than those applicable to this Contract.
- E. Owner shall deliver to Contractor, with copies to each additional insured identified in the Contract, certificates of insurance and endorsements establishing that Owner has obtained and is maintaining the policies and coverages required of Owner by the Contract (if any). Upon request by Contractor or any other insured, Owner shall also provide other evidence of such required insurance (if any), including but not limited to copies of policies, documentation of applicable self-insured retentions (if allowed) and deductibles, and full disclosure of all relevant exclusions. In any documentation furnished under this provision, Owner may block out (redact) (1)

any confidential premium or pricing information and (2) any wording specific to a project or jurisdiction other than those relevant to this Contract.

- F. Failure of Owner or Contractor to demand such certificates or other evidence of the other party's full compliance with these insurance requirements, or failure of Owner or Contractor to identify a deficiency in compliance from the evidence provided, will not be construed as a waiver of the other party's obligation to obtain and maintain such insurance.
- G. In addition to the liability insurance required to be provided by Contractor, the Owner, at Owner's option, may purchase and maintain Owner's own liability insurance. Owner's liability policies, if any, operate separately and independently from policies required to be provided by Contractor, and Contractor cannot rely upon Owner's liability policies for any of Contractor's obligations to the Owner, Engineer, or third parties.
- H. Contractor shall require:
 - 1. Subcontractors to purchase and maintain worker's compensation, commercial general liability, and other insurance that is appropriate for their participation in the Project, and to name as additional insureds Owner and Engineer (and any other individuals or entities identified in the Supplementary Conditions as additional insureds on Contractor's liability policies) on each Subcontractor's commercial general liability insurance policy; and
 - 2. Suppliers to purchase and maintain insurance that is appropriate for their participation in the Project.
- I. If either party does not purchase or maintain the insurance required of such party by the Contract, such party shall notify the other party in writing of such failure to purchase prior to the start of the Work, or of such failure to maintain prior to any change in the required coverage.
- J. If Contractor has failed to obtain and maintain required insurance, Contractor's entitlement to enter or remain at the Site will end immediately, and Owner may impose an appropriate set-off against payment for any associated costs (including but not limited to the cost of purchasing necessary insurance coverage), and exercise Owner's termination rights under Article 16.
- K. Without prejudice to any other right or remedy, if a party has failed to obtain required insurance, the other party may elect (but is in no way obligated) to obtain equivalent insurance to protect such other party's interests at the expense of the party who was required to provide such coverage, and the Contract Price will be adjusted accordingly.
- L. Owner does not represent that insurance coverage and limits established in this Contract necessarily will be adequate to protect Contractor or Contractor's interests. Contractor is responsible for determining whether such coverage and limits are adequate to protect its interests, and for obtaining and maintaining any additional insurance that Contractor deems necessary.
- M. The insurance and insurance limits required herein will not be deemed as a limitation on Contractor's liability, or that of its Subcontractors or Suppliers, under

the indemnities granted to Owner and other individuals and entities in the Contract or otherwise.

- N. All the policies of insurance required to be purchased and maintained under this Contract will contain a provision or endorsement that the coverage afforded will not be canceled, or renewal refused, until at least 10 days prior written notice has been given to the purchasing policyholder. Within three days of receipt of any such written notice, the purchasing policyholder shall provide a copy of the notice to each other insured and Engineer.

6.03 *Contractor's Insurance*

- A. *Required Insurance*: Contractor shall purchase and maintain Worker's Compensation, Commercial General Liability, and other insurance pursuant to the specific requirements of the Supplementary Conditions.
- B. *General Provisions*: The policies of insurance required by this Paragraph 6.03 as supplemented must:
1. include at least the specific coverages required;
 2. be written for not less than the limits provided, or those required by Laws or Regulations, whichever is greater;
 3. remain in effect at least until the Work is complete (as set forth in Paragraph 15.06.D), and longer if expressly required elsewhere in this Contract, and at all times thereafter when Contractor may be correcting, removing, or replacing defective Work as a warranty or correction obligation, or otherwise, or returning to the Site to conduct other tasks arising from the Contract;
 4. apply with respect to the performance of the Work, whether such performance is by Contractor, any Subcontractor or Supplier, or by anyone directly or indirectly employed by any of them to perform any of the Work, or by anyone for whose acts any of them may be liable; and
 5. include all necessary endorsements to support the stated requirements.
- C. *Additional Insureds*: The Contractor's commercial general liability, automobile liability, employer's liability, umbrella or excess, pollution liability, and unmanned aerial vehicle liability policies, if required by this Contract, must:
1. include and list as additional insureds Owner and Engineer, and any individuals or entities identified as additional insureds in the Supplementary Conditions;
 2. include coverage for the respective officers, directors, members, partners, employees, and consultants of all such additional insureds;
 3. afford primary coverage to these additional insureds for all claims covered thereby (including as applicable those arising from both ongoing and completed operations);
 4. not seek contribution from insurance maintained by the additional insured; and
 5. as to commercial general liability insurance, apply to additional insureds with respect to liability caused in whole or in part by Contractor's acts or omissions,

or the acts and omissions of those working on Contractor's behalf, in the performance of Contractor's operations.

6.04 *Builder's Risk and Other Property Insurance*

- A. *Builder's Risk*: Unless otherwise provided in the Supplementary Conditions, Contractor shall purchase and maintain builder's risk insurance upon the Work on a completed value basis, in the amount of the Work's full insurable replacement cost (subject to such deductible amounts as may be provided in the Supplementary Conditions or required by Laws and Regulations). The specific requirements applicable to the builder's risk insurance are set forth in the Supplementary Conditions.
- B. *Property Insurance for Facilities of Owner Where Work Will Occur*: Owner is responsible for obtaining and maintaining property insurance covering each existing structure, building, or facility in which any part of the Work will occur, or to which any part of the Work will attach or be adjoined. Such property insurance will be written on a special perils (all-risk) form, on a replacement cost basis, providing coverage consistent with that required for the builder's risk insurance, and will be maintained until the Work is complete, as set forth in Paragraph 15.06.D.
- C. *Property Insurance for Substantially Complete Facilities*: Promptly after Substantial Completion, and before actual occupancy or use of the substantially completed Work, Owner will obtain property insurance for such substantially completed Work, and maintain such property insurance at least until the Work is complete, as set forth in Paragraph 15.06.D. Such property insurance will be written on a special perils (all-risk) form, on a replacement cost basis, and provide coverage consistent with that required for the builder's risk insurance. The builder's risk insurance may terminate upon written confirmation of Owner's procurement of such property insurance.
- D. *Partial Occupancy or Use by Owner*: If Owner will occupy or use a portion or portions of the Work prior to Substantial Completion of all the Work, as provided in Paragraph 15.04, then Owner (directly, if it is the purchaser of the builder's risk policy, or through Contractor) will provide advance notice of such occupancy or use to the builder's risk insurer, and obtain an endorsement consenting to the continuation of coverage prior to commencing such partial occupancy or use.
- E. *Insurance of Other Property; Additional Insurance*: If the express insurance provisions of the Contract do not require or address the insurance of a property item or interest, then the entity or individual owning such property item will be responsible for insuring it. If Contractor elects to obtain other special insurance to be included in or supplement the builder's risk or property insurance policies provided under this Paragraph 6.04, it may do so at Contractor's expense.

6.05 *Property Losses; Subrogation*

- A. The builder's risk insurance policy purchased and maintained in accordance with Paragraph 6.04 (or an installation floater policy if authorized by the Supplementary Conditions), will contain provisions to the effect that in the event of payment of any loss or damage the insurer will have no rights of recovery against any insureds

thereunder, or against Engineer or its consultants, or their officers, directors, members, partners, employees, agents, consultants, or subcontractors.

1. Owner and Contractor waive all rights against each other and the respective officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, for all losses and damages caused by, arising out of, or resulting from any of the perils, risks, or causes of loss covered by such policies and any other property insurance applicable to the Work; and, in addition, waive all such rights against Engineer, its consultants, all individuals or entities identified in the Supplementary Conditions as builder's risk or installation floater insureds, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, under such policies for losses and damages so caused.
 2. None of the above waivers extends to the rights that any party making such waiver may have to the proceeds of insurance held by Owner or Contractor as trustee or fiduciary, or otherwise payable under any policy so issued.
- B. Any property insurance policy maintained by Owner covering any loss, damage, or consequential loss to Owner's existing structures, buildings, or facilities in which any part of the Work will occur, or to which any part of the Work will attach or adjoin; to adjacent structures, buildings, or facilities of Owner; or to part or all of the completed or substantially completed Work, during partial occupancy or use pursuant to Paragraph 15.04, after Substantial Completion pursuant to Paragraph 15.03, or after final payment pursuant to Paragraph 15.06, will contain provisions to the effect that in the event of payment of any loss or damage the insurer will have no rights of recovery against any insureds thereunder, or against Contractor, Subcontractors, or Engineer, or the officers, directors, members, partners, employees, agents, consultants, or subcontractors of each and any of them, and that the insured is allowed to waive the insurer's rights of subrogation in a written contract executed prior to the loss, damage, or consequential loss.
1. Owner waives all rights against Contractor, Subcontractors, and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, for all losses and damages caused by, arising out of, or resulting from fire or any of the perils, risks, or causes of loss covered by such policies.
- C. The waivers in this Paragraph 6.05 include the waiver of rights due to business interruption, loss of use, or other consequential loss extending beyond direct physical loss or damage to Owner's property or the Work caused by, arising out of, or resulting from fire or other insured peril, risk, or cause of loss.
- D. Contractor shall be responsible for assuring that each Subcontract contains provisions whereby the Subcontractor waives all rights against Owner, Contractor, all individuals or entities identified in the Supplementary Conditions as insureds, the Engineer and its consultants, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, for all losses and damages caused by, arising out of, relating to, or resulting from fire or other peril, risk, or cause of loss covered by builder's risk insurance, installation floater, and any other property insurance applicable to the Work.

6.06 *Receipt and Application of Property Insurance Proceeds*

- A. Any insured loss under the builder's risk and other policies of property insurance required by Paragraph 6.04 will be adjusted and settled with the named insured that purchased the policy. Such named insured shall act as fiduciary for the other insureds, and give notice to such other insureds that adjustment and settlement of a claim is in progress. Any other insured may state its position regarding a claim for insured loss in writing within 15 days after notice of such claim.
- B. Proceeds for such insured losses may be made payable by the insurer either jointly to multiple insureds, or to the named insured that purchased the policy in its own right and as fiduciary for other insureds, subject to the requirements of any applicable mortgage clause. A named insured receiving insurance proceeds under the builder's risk and other policies of insurance required by Paragraph 6.04 shall maintain such proceeds in a segregated account, and distribute such proceeds in accordance with such agreement as the parties in interest may reach, or as otherwise required under the dispute resolution provisions of this Contract or applicable Laws and Regulations.
- C. If no other special agreement is reached, Contractor shall repair or replace the damaged Work, using allocated insurance proceeds.

ARTICLE 7—CONTRACTOR'S RESPONSIBILITIES

7.01 *Contractor's Means and Methods of Construction*

- A. Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction.
- B. If the Contract Documents note, or Contractor determines, that professional engineering or other design services are needed to carry out Contractor's responsibilities for construction means, methods, techniques, sequences, and procedures, or for Site safety, then Contractor shall cause such services to be provided by a properly licensed design professional, at Contractor's expense. Such services are not Owner-delegated professional design services under this Contract, and neither Owner nor Engineer has any responsibility with respect to (1) Contractor's determination of the need for such services, (2) the qualifications or licensing of the design professionals retained or employed by Contractor, (3) the performance of such services, or (4) any errors, omissions, or defects in such services.

7.02 *Supervision and Superintendence*

- A. Contractor shall supervise, inspect, and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents.
- B. At all times during the progress of the Work, Contractor shall assign a competent resident superintendent who will not be replaced without written notice to Owner and Engineer except under extraordinary circumstances.

7.03 *Labor; Working Hours*

- A. Contractor shall provide competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. Contractor shall maintain good discipline and order at the Site.
- B. Contractor shall be fully responsible to Owner and Engineer for all acts and omissions of Contractor's employees; of Suppliers and Subcontractors, and their employees; and of any other individuals or entities performing or furnishing any of the Work, just as Contractor is responsible for Contractor's own acts and omissions.
- C. Except as otherwise required for the safety or protection of persons or the Work or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents, all Work at the Site will be performed during regular working hours, Monday through Friday. Contractor will not perform Work on a Saturday, Sunday, or any legal holiday. Contractor may perform Work outside regular working hours or on Saturdays, Sundays, or legal holidays only with Owner's written consent, which will not be unreasonably withheld.

7.04 *Services, Materials, and Equipment*

- A. Unless otherwise specified in the Contract Documents, Contractor shall provide and assume full responsibility for all services, materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities, and all other facilities and incidentals necessary for the performance, testing, start up, and completion of the Work, whether or not such items are specifically called for in the Contract Documents.
- B. All materials and equipment incorporated into the Work must be new and of good quality, except as otherwise provided in the Contract Documents. All special warranties and guarantees required by the Specifications will expressly run to the benefit of Owner. If required by Engineer, Contractor shall furnish satisfactory evidence (including reports of required tests) as to the source, kind, and quality of materials and equipment.
- C. All materials and equipment must be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with instructions of the applicable Supplier, except as otherwise may be provided in the Contract Documents.

7.05 *"Or Equals"*

- A. *Contractor's Request; Governing Criteria:* Whenever an item of equipment or material is specified or described in the Contract Documents by using the names of one or more proprietary items or specific Suppliers, the Contract Price has been based upon Contractor furnishing such item as specified. The specification or description of such an item is intended to establish the type, function, appearance, and quality required. Unless the specification or description contains or is followed by words reading that no like, equivalent, or "or equal" item is permitted, Contractor may request that Engineer authorize the use of other items of equipment or

material, or items from other proposed Suppliers, under the circumstances described below.

1. If Engineer in its sole discretion determines that an item of equipment or material proposed by Contractor is functionally equal to that named and sufficiently similar so that no change in related Work will be required, Engineer will deem it an “or equal” item. For the purposes of this paragraph, a proposed item of equipment or material will be considered functionally equal to an item so named if:
 - a. in the exercise of reasonable judgment Engineer determines that the proposed item:
 - 1) is at least equal in materials of construction, quality, durability, appearance, strength, and design characteristics;
 - 2) will reliably perform at least equally well the function and achieve the results imposed by the design concept of the completed Project as a functioning whole;
 - 3) has a proven record of performance and availability of responsive service; and
 - 4) is not objectionable to Owner.
 - b. Contractor certifies that, if the proposed item is approved and incorporated into the Work:
 - 1) there will be no increase in cost to the Owner or increase in Contract Times; and
 - 2) the item will conform substantially to the detailed requirements of the item named in the Contract Documents.
- B. *Contractor’s Expense*: Contractor shall provide all data in support of any proposed “or equal” item at Contractor’s expense.
- C. *Engineer’s Evaluation and Determination*: Engineer will be allowed a reasonable time to evaluate each “or-equal” request. Engineer may require Contractor to furnish additional data about the proposed “or-equal” item. Engineer will be the sole judge of acceptability. No “or-equal” item will be ordered, furnished, installed, or utilized until Engineer’s review is complete and Engineer determines that the proposed item is an “or-equal,” which will be evidenced by an approved Shop Drawing or other written communication. Engineer will advise Contractor in writing of any negative determination.
- D. *Effect of Engineer’s Determination*: Neither approval nor denial of an “or-equal” request will result in any change in Contract Price. The Engineer’s denial of an “or-equal” request will be final and binding, and may not be reversed through an appeal under any provision of the Contract.
- E. *Treatment as a Substitution Request*: If Engineer determines that an item of equipment or material proposed by Contractor does not qualify as an “or-equal” item, Contractor may request that Engineer consider the item a proposed substitute pursuant to Paragraph 7.06.

7.06 Substitutes

- A. *Contractor's Request; Governing Criteria:* Unless the specification or description of an item of equipment or material required to be furnished under the Contract Documents contains or is followed by words reading that no substitution is permitted, Contractor may request that Engineer authorize the use of other items of equipment or material under the circumstances described below. To the extent possible such requests must be made before commencement of related construction at the Site.
1. Contractor shall submit sufficient information as provided below to allow Engineer to determine if the item of material or equipment proposed is functionally equivalent to that named and an acceptable substitute therefor. Engineer will not accept requests for review of proposed substitute items of equipment or material from anyone other than Contractor.
 2. The requirements for review by Engineer will be as set forth in Paragraph 7.06.B, as supplemented by the Specifications, and as Engineer may decide is appropriate under the circumstances.
 3. Contractor shall make written application to Engineer for review of a proposed substitute item of equipment or material that Contractor seeks to furnish or use. The application:
 - a. will certify that the proposed substitute item will:
 - 1) perform adequately the functions and achieve the results called for by the general design;
 - 2) be similar in substance to the item specified; and
 - 3) be suited to the same use as the item specified.
 - b. will state:
 - 1) the extent, if any, to which the use of the proposed substitute item will necessitate a change in Contract Times;
 - 2) whether use of the proposed substitute item in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with Owner for other work on the Project) to adapt the design to the proposed substitute item; and
 - 3) whether incorporation or use of the proposed substitute item in connection with the Work is subject to payment of any license fee or royalty.
 - c. will identify:
 - 1) all variations of the proposed substitute item from the item specified; and
 - 2) available engineering, sales, maintenance, repair, and replacement services.
 - d. will contain an itemized estimate of all costs or credits that will result directly or indirectly from use of such substitute item, including but not limited to

changes in Contract Price, shared savings, costs of redesign, and claims of other contractors affected by any resulting change.

- B. *Engineer's Evaluation and Determination*: Engineer will be allowed a reasonable time to evaluate each substitute request, and to obtain comments and direction from Owner. Engineer may require Contractor to furnish additional data about the proposed substitute item. Engineer will be the sole judge of acceptability. No substitute will be ordered, furnished, installed, or utilized until Engineer's review is complete and Engineer determines that the proposed item is an acceptable substitute. Engineer's determination will be evidenced by a Field Order or a proposed Change Order accounting for the substitution itself and all related impacts, including changes in Contract Price or Contract Times. Engineer will advise Contractor in writing of any negative determination.
- C. *Special Guarantee*: Owner may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any substitute.
- D. *Reimbursement of Engineer's Cost*: Engineer will record Engineer's costs in evaluating a substitute proposed or submitted by Contractor. Whether or not Engineer approves a substitute so proposed or submitted by Contractor, Contractor shall reimburse Owner for the reasonable charges of Engineer for evaluating each such proposed substitute. Contractor shall also reimburse Owner for the reasonable charges of Engineer for making changes in the Contract Documents (or in the provisions of any other direct contract with Owner) resulting from the acceptance of each proposed substitute.
- E. *Contractor's Expense*: Contractor shall provide all data in support of any proposed substitute at Contractor's expense.
- F. *Effect of Engineer's Determination*: If Engineer approves the substitution request, Contractor shall execute the proposed Change Order and proceed with the substitution. The Engineer's denial of a substitution request will be final and binding, and may not be reversed through an appeal under any provision of the Contract. Contractor may challenge the scope of reimbursement costs imposed under Paragraph 7.06.D, by timely submittal of a Change Proposal.

7.07 *Concerning Subcontractors and Suppliers*

- A. Contractor may retain Subcontractors and Suppliers for the performance of parts of the Work. Such Subcontractors and Suppliers must be acceptable to Owner. The Contractor's retention of a Subcontractor or Supplier for the performance of parts of the Work will not relieve Contractor's obligation to Owner to perform and complete the Work in accordance with the Contract Documents.
- B. Contractor shall retain specific Subcontractors and Suppliers for the performance of designated parts of the Work if required by the Contract to do so.
- C. Subsequent to the submittal of Contractor's Bid or final negotiation of the terms of the Contract, Owner may not require Contractor to retain any Subcontractor or Supplier to furnish or perform any of the Work against which Contractor has reasonable objection.

- D. Prior to entry into any binding subcontract or purchase order, Contractor shall submit to Owner the identity of the proposed Subcontractor or Supplier (unless Owner has already deemed such proposed Subcontractor or Supplier acceptable during the bidding process or otherwise). Such proposed Subcontractor or Supplier shall be deemed acceptable to Owner unless Owner raises a substantive, reasonable objection within 5 days.
- E. Owner may require the replacement of any Subcontractor or Supplier. Owner also may require Contractor to retain specific replacements; provided, however, that Owner may not require a replacement to which Contractor has a reasonable objection. If Contractor has submitted the identity of certain Subcontractors or Suppliers for acceptance by Owner, and Owner has accepted it (either in writing or by failing to make written objection thereto), then Owner may subsequently revoke the acceptance of any such Subcontractor or Supplier so identified solely on the basis of substantive, reasonable objection after due investigation. Contractor shall submit an acceptable replacement for the rejected Subcontractor or Supplier.
- F. If Owner requires the replacement of any Subcontractor or Supplier retained by Contractor to perform any part of the Work, then Contractor shall be entitled to an adjustment in Contract Price or Contract Times, with respect to the replacement; and Contractor shall initiate a Change Proposal for such adjustment within 30 days of Owner's requirement of replacement.
- G. No acceptance by Owner of any such Subcontractor or Supplier, whether initially or as a replacement, will constitute a waiver of the right of Owner to the completion of the Work in accordance with the Contract Documents.
- H. On a monthly basis, Contractor shall submit to Engineer a complete list of all Subcontractors and Suppliers having a direct contract with Contractor, and of all other Subcontractors and Suppliers known to Contractor at the time of submittal.
- I. Contractor shall be solely responsible for scheduling and coordinating the work of Subcontractors and Suppliers.
- J. The divisions and sections of the Specifications and the identifications of any Drawings do not control Contractor in dividing the Work among Subcontractors or Suppliers, or in delineating the Work to be performed by any specific trade.
- K. All Work performed for Contractor by a Subcontractor or Supplier must be pursuant to an appropriate contractual agreement that specifically binds the Subcontractor or Supplier to the applicable terms and conditions of the Contract for the benefit of Owner and Engineer.
- L. Owner may furnish to any Subcontractor or Supplier, to the extent practicable, information about amounts paid to Contractor for Work performed for Contractor by the Subcontractor or Supplier.
- M. Contractor shall restrict all Subcontractors and Suppliers from communicating with Engineer or Owner, except through Contractor or in case of an emergency, or as otherwise expressly allowed in this Contract.

7.08 *Patent Fees and Royalties*

- A. Contractor shall pay all license fees and royalties and assume all costs incident to the use in the performance of the Work or the incorporation in the Work of any invention, design, process, product, or device which is the subject of patent rights or copyrights held by others. If an invention, design, process, product, or device is specified in the Contract Documents for use in the performance of the Work and if, to the actual knowledge of Owner or Engineer, its use is subject to patent rights or copyrights calling for the payment of any license fee or royalty to others, the existence of such rights will be disclosed in the Contract Documents.
- B. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, and its officers, directors, members, partners, employees, agents, consultants, and subcontractors, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device specified in the Contract Documents, but not identified as being subject to payment of any license fee or royalty to others required by patent rights or copyrights.
- C. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device not specified in the Contract Documents.

7.09 *Permits*

- A. Unless otherwise provided in the Contract Documents, Contractor shall obtain and pay for all construction permits, licenses, and certificates of occupancy. Owner shall assist Contractor, when necessary, in obtaining such permits and licenses. Contractor shall pay all governmental charges and inspection fees necessary for the prosecution of the Work which are applicable at the time of the submission of Contractor's Bid (or when Contractor became bound under a negotiated contract). Owner shall pay all charges of utility owners for connections for providing permanent service to the Work.

7.10 *Taxes*

- A. Contractor shall pay all sales, consumer, use, and other similar taxes required to be paid by Contractor in accordance with the Laws and Regulations of the place of the Project which are applicable during the performance of the Work.

7.11 *Laws and Regulations*

- A. Contractor shall give all notices required by and shall comply with all Laws and Regulations applicable to the performance of the Work. Neither Owner nor Engineer shall be responsible for monitoring Contractor's compliance with any Laws or Regulations.
- B. If Contractor performs any Work or takes any other action knowing or having reason to know that it is contrary to Laws or Regulations, Contractor shall bear all resulting costs and losses, and shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such Work or other action. It is not Contractor's responsibility to make certain that the Work described in the Contract Documents is in accordance with Laws and Regulations, but this does not relieve Contractor of its obligations under Paragraph 3.03.
- C. Owner or Contractor may give written notice to the other party of any changes after the submission of Contractor's Bid (or after the date when Contractor became bound under a negotiated contract) in Laws or Regulations having an effect on the cost or time of performance of the Work, including but not limited to changes in Laws or Regulations having an effect on procuring permits and on sales, use, value-added, consumption, and other similar taxes. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times resulting from such changes, then within 30 days of such written notice Contractor may submit a Change Proposal, or Owner may initiate a Claim.

7.12 *Record Documents*

- A. Contractor shall maintain in a safe place at the Site one printed record copy of all Drawings, Specifications, Addenda, Change Orders, Work Change Directives, Field Orders, written interpretations and clarifications, and approved Shop Drawings. Contractor shall keep such record documents in good order and annotate them to show changes made during construction. These record documents, together with all approved Samples, will be available to Engineer for reference. Upon completion of the Work, Contractor shall deliver these record documents to Engineer.

7.13 *Safety and Protection*

- A. Contractor shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work. Such responsibility does not relieve Subcontractors of their responsibility for the safety of persons or property in the performance of their work, nor for compliance with applicable safety Laws and Regulations.
- B. Contractor shall designate a qualified and experienced safety representative whose duties and responsibilities are the prevention of Work-related accidents and the maintenance and supervision of safety precautions and programs.

- C. Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury, or loss to:
 - 1. all persons on the Site or who may be affected by the Work;
 - 2. all the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and
 - 3. other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, other work in progress, utilities, and Underground Facilities not designated for removal, relocation, or replacement in the course of construction.
- D. All damage, injury, or loss to any property referred to in Paragraph 7.13.C.2 or 7.13.C.3 caused, directly or indirectly, in whole or in part, by Contractor, any Subcontractor, Supplier, or any other individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, shall be remedied by Contractor at its expense (except damage or loss attributable to the fault of Drawings or Specifications or to the acts or omissions of Owner or Engineer or anyone employed by any of them, or anyone for whose acts any of them may be liable, and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of Contractor or any Subcontractor, Supplier, or other individual or entity directly or indirectly employed by any of them).
- E. Contractor shall comply with all applicable Laws and Regulations relating to the safety of persons or property, or to the protection of persons or property from damage, injury, or loss; and shall erect and maintain all necessary safeguards for such safety and protection.
- F. Contractor shall notify Owner; the owners of adjacent property; the owners of Underground Facilities and other utilities (if the identity of such owners is known to Contractor); and other contractors and utility owners performing work at or adjacent to the Site, in writing, when Contractor knows that prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property or work in progress.
- G. Contractor shall comply with the applicable requirements of Owner's safety programs, if any. Any Owner's safety programs that are applicable to the Work are identified or included in the Supplementary Conditions or Specifications.
- H. Contractor shall inform Owner and Engineer of the specific requirements of Contractor's safety program with which Owner's and Engineer's employees and representatives must comply while at the Site.
- I. Contractor's duties and responsibilities for safety and protection will continue until all the Work is completed, Engineer has issued a written notice to Owner and Contractor in accordance with Paragraph 15.06.C that the Work is acceptable, and Contractor has left the Site (except as otherwise expressly provided in connection with Substantial Completion).
- J. Contractor's duties and responsibilities for safety and protection will resume whenever Contractor or any Subcontractor or Supplier returns to the Site to fulfill

warranty or correction obligations, or to conduct other tasks arising from the Contract Documents.

7.14 *Hazard Communication Programs*

- A. Contractor shall be responsible for coordinating any exchange of safety data sheets (formerly known as material safety data sheets) or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with Laws or Regulations.

7.15 *Emergencies*

- A. In emergencies affecting the safety or protection of persons or the Work or property at the Site or adjacent thereto, Contractor is obligated to act to prevent damage, injury, or loss. Contractor shall give Engineer prompt written notice if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused by an emergency, or are required as a result of Contractor's response to an emergency. If Engineer determines that a change in the Contract Documents is required because of an emergency or Contractor's response, a Work Change Directive or Change Order will be issued.

7.16 *Submittals*

A. *Shop Drawing and Sample Requirements*

1. Before submitting a Shop Drawing or Sample, Contractor shall:
 - a. review and coordinate the Shop Drawing or Sample with other Shop Drawings and Samples and with the requirements of the Work and the Contract Documents;
 - b. determine and verify:
 - 1) all field measurements, quantities, dimensions, specified performance and design criteria, installation requirements, materials, catalog numbers, and similar information with respect to the Submittal;
 - 2) the suitability of all materials and equipment offered with respect to the indicated application, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work; and
 - 3) all information relative to Contractor's responsibilities for means, methods, techniques, sequences, and procedures of construction, and safety precautions and programs incident thereto;
 - c. confirm that the Submittal is complete with respect to all related data included in the Submittal.
2. Each Shop Drawing or Sample must bear a stamp or specific written certification that Contractor has satisfied Contractor's obligations under the Contract Documents with respect to Contractor's review of that Submittal, and that Contractor approves the Submittal.
3. With each Shop Drawing or Sample, Contractor shall give Engineer specific written notice of any variations that the Submittal may have from the requirements of the Contract Documents. This notice must be set forth in a

written communication separate from the Submittal; and, in addition, in the case of a Shop Drawing by a specific notation made on the Shop Drawing itself.

B. *Submittal Procedures for Shop Drawings and Samples*: Contractor shall label and submit Shop Drawings and Samples to Engineer for review and approval in accordance with the accepted Schedule of Submittals.

1. *Shop Drawings*

- a. Contractor shall submit the number of copies required in the Specifications.
- b. Data shown on the Shop Drawings must be complete with respect to quantities, dimensions, specified performance and design criteria, materials, and similar data to show Engineer the services, materials, and equipment Contractor proposes to provide, and to enable Engineer to review the information for the limited purposes required by Paragraph 7.16.C.

2. *Samples*

- a. Contractor shall submit the number of Samples required in the Specifications.
 - b. Contractor shall clearly identify each Sample as to material, Supplier, pertinent data such as catalog numbers, the use for which intended and other data as Engineer may require to enable Engineer to review the Submittal for the limited purposes required by Paragraph 7.16.C.
3. Where a Shop Drawing or Sample is required by the Contract Documents or the Schedule of Submittals, any related Work performed prior to Engineer's review and approval of the pertinent submittal will be at the sole expense and responsibility of Contractor.

C. *Engineer's Review of Shop Drawings and Samples*

1. Engineer will provide timely review of Shop Drawings and Samples in accordance with the accepted Schedule of Submittals. Engineer's review and approval will be only to determine if the items covered by the Submittals will, after installation or incorporation in the Work, comply with the requirements of the Contract Documents, and be compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents.
2. Engineer's review and approval will not extend to means, methods, techniques, sequences, or procedures of construction, or to safety precautions or programs incident thereto.
3. Engineer's review and approval of a separate item as such will not indicate approval of the assembly in which the item functions.
4. Engineer's review and approval of a Shop Drawing or Sample will not relieve Contractor from responsibility for any variation from the requirements of the Contract Documents unless Contractor has complied with the requirements of Paragraph 7.16.A.3 and Engineer has given written approval of each such variation by specific written notation thereof incorporated in or accompanying the Shop Drawing or Sample. Engineer will document any such approved

variation from the requirements of the Contract Documents in a Field Order or other appropriate Contract modification.

5. Engineer's review and approval of a Shop Drawing or Sample will not relieve Contractor from responsibility for complying with the requirements of Paragraphs 7.16.A and B.
6. Engineer's review and approval of a Shop Drawing or Sample, or of a variation from the requirements of the Contract Documents, will not, under any circumstances, change the Contract Times or Contract Price, unless such changes are included in a Change Order.
7. Neither Engineer's receipt, review, acceptance, or approval of a Shop Drawing or Sample will result in such item becoming a Contract Document.
8. Contractor shall perform the Work in compliance with the requirements and commitments set forth in approved Shop Drawings and Samples, subject to the provisions of Paragraph 7.16.C.4.

D. Resubmittal Procedures for Shop Drawings and Samples

1. Contractor shall make corrections required by Engineer and shall return the required number of corrected copies of Shop Drawings and submit, as required, new Samples for review and approval. Contractor shall direct specific attention in writing to revisions other than the corrections called for by Engineer on previous Submittals.
2. Contractor shall furnish required Shop Drawing and Sample submittals with sufficient information and accuracy to obtain required approval of an item with no more than two resubmittals. Engineer will record Engineer's time for reviewing a third or subsequent resubmittal of a Shop Drawing or Sample, and Contractor shall be responsible for Engineer's charges to Owner for such time. Owner may impose a set-off against payments due Contractor to secure reimbursement for such charges.
3. If Contractor requests a change of a previously approved Shop Drawing or Sample, Contractor shall be responsible for Engineer's charges to Owner for its review time, and Owner may impose a set-off against payments due Contractor to secure reimbursement for such charges, unless the need for such change is beyond the control of Contractor.

E. Submittals Other than Shop Drawings, Samples, and Owner-Delegated Designs

1. The following provisions apply to all Submittals other than Shop Drawings, Samples, and Owner-delegated designs:
 - a. Contractor shall submit all such Submittals to the Engineer in accordance with the Schedule of Submittals and pursuant to the applicable terms of the Contract Documents.
 - b. Engineer will provide timely review of all such Submittals in accordance with the Schedule of Submittals and return such Submittals with a notation of either Accepted or Not Accepted. Any such Submittal that is not returned within the time established in the Schedule of Submittals will be deemed accepted.

- c. Engineer's review will be only to determine if the Submittal is acceptable under the requirements of the Contract Documents as to general form and content of the Submittal.
 - d. If any such Submittal is not accepted, Contractor shall confer with Engineer regarding the reason for the non-acceptance, and resubmit an acceptable document.
- 2. Procedures for the submittal and acceptance of the Progress Schedule, the Schedule of Submittals, and the Schedule of Values are set forth in Paragraphs 2.03, 2.04, and 2.05.
- F. Owner-delegated Designs: Submittals pursuant to Owner-delegated designs are governed by the provisions of Paragraph 7.19.

7.17 Contractor's General Warranty and Guarantee

- A. Contractor warrants and guarantees to Owner that all Work will be in accordance with the Contract Documents and will not be defective. Engineer is entitled to rely on Contractor's warranty and guarantee.
- B. Owner's rights under this warranty and guarantee are in addition to, and are not limited by, Owner's rights under the correction period provisions of Paragraph 15.08. The time in which Owner may enforce its warranty and guarantee rights under this Paragraph 7.17 is limited only by applicable Laws and Regulations restricting actions to enforce such rights; provided, however, that after the end of the correction period under Paragraph 15.08:
 - 1. Owner shall give Contractor written notice of any defective Work within 60 days of the discovery that such Work is defective; and
 - 2. Such notice will be deemed the start of an event giving rise to a Claim under Paragraph 12.01.B, such that any related Claim must be brought within 30 days of the notice.
- C. Contractor's warranty and guarantee hereunder excludes defects or damage caused by:
 - 1. abuse, or improper modification, maintenance, or operation, by persons other than Contractor, Subcontractors, Suppliers, or any other individual or entity for whom Contractor is responsible; or
 - 2. normal wear and tear under normal usage.
- D. Contractor's obligation to perform and complete the Work in accordance with the Contract Documents is absolute. None of the following will constitute an acceptance of Work that is not in accordance with the Contract Documents, a release of Contractor's obligation to perform the Work in accordance with the Contract Documents, or a release of Owner's warranty and guarantee rights under this Paragraph 7.17:
 - 1. Observations by Engineer;
 - 2. Recommendation by Engineer or payment by Owner of any progress or final payment;

3. The issuance of a certificate of Substantial Completion by Engineer or any payment related thereto by Owner;
 4. Use or occupancy of the Work or any part thereof by Owner;
 5. Any review and approval of a Shop Drawing or Sample submittal;
 6. The issuance of a notice of acceptability by Engineer;
 7. The end of the correction period established in Paragraph 15.08;
 8. Any inspection, test, or approval by others; or
 9. Any correction of defective Work by Owner.
- E. If the Contract requires the Contractor to accept the assignment of a contract entered into by Owner, then the specific warranties, guarantees, and correction obligations contained in the assigned contract will govern with respect to Contractor's performance obligations to Owner for the Work described in the assigned contract.

7.18 Indemnification

- A. To the fullest extent permitted by Laws and Regulations, and in addition to any other obligations of Contractor under the Contract or otherwise, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, from losses, damages, costs, and judgments (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) arising from third-party claims or actions relating to or resulting from the performance or furnishing of the Work, provided that any such claim, action, loss, cost, judgment or damage is attributable to bodily injury, sickness, disease, or death, or to damage to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom, but only to the extent caused by any negligent act or omission of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable.
- B. In any and all claims against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, by any employee (or the survivor or personal representative of such employee) of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, the indemnification obligation under Paragraph 7.18.A will not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for Contractor or any such Subcontractor, Supplier, or other individual or entity under workers' compensation acts, disability benefit acts, or other employee benefit acts.

7.19 Delegation of Professional Design Services

- A. Owner may require Contractor to provide professional design services for a portion of the Work by express delegation in the Contract Documents. Such delegation will specify the performance and design criteria that such services must satisfy, and the

Submittals that Contractor must furnish to Engineer with respect to the Owner-delegated design.

- B. Contractor shall cause such Owner-delegated professional design services to be provided pursuant to the professional standard of care by a properly licensed design professional, whose signature and seal must appear on all drawings, calculations, specifications, certifications, and Submittals prepared by such design professional. Such design professional must issue all certifications of design required by Laws and Regulations.
- C. If a Shop Drawing or other Submittal related to the Owner-delegated design is prepared by Contractor, a Subcontractor, or others for submittal to Engineer, then such Shop Drawing or other Submittal must bear the written approval of Contractor's design professional when submitted by Contractor to Engineer.
- D. Owner and Engineer shall be entitled to rely upon the adequacy, accuracy, and completeness of the services, certifications, and approvals performed or provided by the design professionals retained or employed by Contractor under an Owner-delegated design, subject to the professional standard of care and the performance and design criteria stated in the Contract Documents.
- E. Pursuant to this Paragraph 7.19, Engineer's review, approval, and other determinations regarding design drawings, calculations, specifications, certifications, and other Submittals furnished by Contractor pursuant to an Owner-delegated design will be only for the following limited purposes:
 - 1. Checking for conformance with the requirements of this Paragraph 7.19;
 - 2. Confirming that Contractor (through its design professionals) has used the performance and design criteria specified in the Contract Documents; and
 - 3. Establishing that the design furnished by Contractor is consistent with the design concept expressed in the Contract Documents.
- F. Contractor shall not be responsible for the adequacy of performance or design criteria specified by Owner or Engineer.
- G. Contractor is not required to provide professional services in violation of applicable Laws and Regulations.

ARTICLE 8—OTHER WORK AT THE SITE

8.01 *Other Work*

- A. In addition to and apart from the Work under the Contract Documents, the Owner may perform other work at or adjacent to the Site. Such other work may be performed by Owner's employees, or through contracts between the Owner and third parties. Owner may also arrange to have third-party utility owners perform work on their utilities and facilities at or adjacent to the Site.
- B. If Owner performs other work at or adjacent to the Site with Owner's employees, or through contracts for such other work, then Owner shall give Contractor written notice thereof prior to starting any such other work. If Owner has advance information regarding the start of any third-party utility work that Owner has

arranged to take place at or adjacent to the Site, Owner shall provide such information to Contractor.

- C. Contractor shall afford proper and safe access to the Site to each contractor that performs such other work, each utility owner performing other work, and Owner, if Owner is performing other work with Owner's employees, and provide a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such other work.
- D. Contractor shall do all cutting, fitting, and patching of the Work that may be required to properly connect or otherwise make its several parts come together and properly integrate with such other work. Contractor shall not endanger any work of others by cutting, excavating, or otherwise altering such work; provided, however, that Contractor may cut or alter others' work with the written consent of Engineer and the others whose work will be affected.
- E. If the proper execution or results of any part of Contractor's Work depends upon work performed by others, Contractor shall inspect such other work and promptly report to Engineer in writing any delays, defects, or deficiencies in such other work that render it unavailable or unsuitable for the proper execution and results of Contractor's Work. Contractor's failure to so report will constitute an acceptance of such other work as fit and proper for integration with Contractor's Work except for latent defects and deficiencies in such other work.
- F. The provisions of this article are not applicable to work that is performed by third-party utilities or other third-party entities without a contract with Owner, or that is performed without having been arranged by Owner. If such work occurs, then any related delay, disruption, or interference incurred by Contractor is governed by the provisions of Paragraph 4.05.C.3.

8.02 *Coordination*

- A. If Owner intends to contract with others for the performance of other work at or adjacent to the Site, to perform other work at or adjacent to the Site with Owner's employees, or to arrange to have utility owners perform work at or adjacent to the Site, the following will be set forth in the Supplementary Conditions or provided to Contractor prior to the start of any such other work:
 - 1. The identity of the individual or entity that will have authority and responsibility for coordination of the activities among the various contractors;
 - 2. An itemization of the specific matters to be covered by such authority and responsibility; and
 - 3. The extent of such authority and responsibilities.
- B. Unless otherwise provided in the Supplementary Conditions, Owner shall have sole authority and responsibility for such coordination.

8.03 *Legal Relationships*

- A. If, in the course of performing other work for Owner at or adjacent to the Site, the Owner's employees, any other contractor working for Owner, or any utility owner that Owner has arranged to perform work, causes damage to the Work or to the property of Contractor or its Subcontractors, or delays, disrupts, interferes with, or

increases the scope or cost of the performance of the Work, through actions or inaction, then Contractor shall be entitled to an equitable adjustment in the Contract Price or the Contract Times. Contractor must submit any Change Proposal seeking an equitable adjustment in the Contract Price or the Contract Times under this paragraph within 30 days of the damaging, delaying, disrupting, or interfering event. The entitlement to, and extent of, any such equitable adjustment will take into account information (if any) regarding such other work that was provided to Contractor in the Contract Documents prior to the submittal of the Bid or the final negotiation of the terms of the Contract, and any remedies available to Contractor under Laws or Regulations concerning utility action or inaction. When applicable, any such equitable adjustment in Contract Price will be conditioned on Contractor assigning to Owner all Contractor's rights against such other contractor or utility owner with respect to the damage, delay, disruption, or interference that is the subject of the adjustment. Contractor's entitlement to an adjustment of the Contract Times or Contract Price is subject to the provisions of Paragraphs 4.05.D and 4.05.E.

- B. Contractor shall take reasonable and customary measures to avoid damaging, delaying, disrupting, or interfering with the work of Owner, any other contractor, or any utility owner performing other work at or adjacent to the Site.
 - 1. If Contractor fails to take such measures and as a result damages, delays, disrupts, or interferes with the work of any such other contractor or utility owner, then Owner may impose a set-off against payments due Contractor, and assign to such other contractor or utility owner the Owner's contractual rights against Contractor with respect to the breach of the obligations set forth in this Paragraph 8.03.B.
 - 2. When Owner is performing other work at or adjacent to the Site with Owner's employees, Contractor shall be liable to Owner for damage to such other work, and for the reasonable direct delay, disruption, and interference costs incurred by Owner as a result of Contractor's failure to take reasonable and customary measures with respect to Owner's other work. In response to such damage, delay, disruption, or interference, Owner may impose a set-off against payments due Contractor.
- C. If Contractor damages, delays, disrupts, or interferes with the work of any other contractor, or any utility owner performing other work at or adjacent to the Site, through Contractor's failure to take reasonable and customary measures to avoid such impacts, or if any claim arising out of Contractor's actions, inactions, or negligence in performance of the Work at or adjacent to the Site is made by any such other contractor or utility owner against Contractor, Owner, or Engineer, then Contractor shall (1) promptly attempt to settle the claim as to all parties through negotiations with such other contractor or utility owner, or otherwise resolve the claim by arbitration or other dispute resolution proceeding or at law, and (2) indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them from and against any such claims, and against all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other

dispute resolution costs) arising out of or relating to such damage, delay, disruption, or interference.

ARTICLE 9—OWNER’S RESPONSIBILITIES

9.01 *Communications to Contractor*

- A. Except as otherwise provided in these General Conditions, Owner shall issue all communications to Contractor through Engineer.

9.02 *Replacement of Engineer*

- A. Owner may at its discretion appoint an engineer to replace Engineer, provided Contractor makes no reasonable objection to the replacement engineer. The replacement engineer’s status under the Contract Documents will be that of the former Engineer.

9.03 *Furnish Data*

- A. Owner shall promptly furnish the data required of Owner under the Contract Documents.

9.04 *Pay When Due*

- A. Owner shall make payments to Contractor when they are due as provided in the Agreement.

9.05 *Lands and Easements; Reports, Tests, and Drawings*

- A. Owner’s duties with respect to providing lands and easements are set forth in Paragraph 5.01.
- B. Owner’s duties with respect to providing engineering surveys to establish reference points are set forth in Paragraph 4.03.
- C. Article 5 refers to Owner’s identifying and making available to Contractor copies of reports of explorations and tests of conditions at the Site, and drawings of physical conditions relating to existing surface or subsurface structures at the Site.

9.06 *Insurance*

- A. Owner’s responsibilities, if any, with respect to purchasing and maintaining liability and property insurance are set forth in Article 6.

9.07 *Change Orders*

- A. Owner’s responsibilities with respect to Change Orders are set forth in Article 11.

9.08 *Inspections, Tests, and Approvals*

- A. Owner’s responsibility with respect to certain inspections, tests, and approvals is set forth in Paragraph 14.02.B.

9.09 *Limitations on Owner’s Responsibilities*

- A. The Owner shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor’s means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations

applicable to the performance of the Work. Owner will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

9.10 *Undisclosed Hazardous Environmental Condition*

- A. Owner's responsibility in respect to an undisclosed Hazardous Environmental Condition is set forth in Paragraph 5.06.

9.11 *Evidence of Financial Arrangements*

- A. Upon request of Contractor, Owner shall furnish Contractor reasonable evidence that financial arrangements have been made to satisfy Owner's obligations under the Contract (including obligations under proposed changes in the Work).

9.12 *Safety Programs*

- A. While at the Site, Owner's employees and representatives shall comply with the specific applicable requirements of Contractor's safety programs of which Owner has been informed.
- B. Owner shall furnish copies of any applicable Owner safety programs to Contractor.

ARTICLE 10—ENGINEER'S STATUS DURING CONSTRUCTION

10.01 *Owner's Representative*

- A. Engineer will be Owner's representative during the construction period. The duties and responsibilities and the limitations of authority of Engineer as Owner's representative during construction are set forth in the Contract.

10.02 *Visits to Site*

- A. Engineer will make visits to the Site at intervals appropriate to the various stages of construction as Engineer deems necessary in order to observe, as an experienced and qualified design professional, the progress that has been made and the quality of the various aspects of Contractor's executed Work. Based on information obtained during such visits and observations, Engineer, for the benefit of Owner, will determine, in general, if the Work is proceeding in accordance with the Contract Documents. Engineer will not be required to make exhaustive or continuous inspections on the Site to check the quality or quantity of the Work. Engineer's efforts will be directed toward providing for Owner a greater degree of confidence that the completed Work will conform generally to the Contract Documents. On the basis of such visits and observations, Engineer will keep Owner informed of the progress of the Work and will endeavor to guard Owner against defective Work.
- B. Engineer's visits and observations are subject to all the limitations on Engineer's authority and responsibility set forth in Paragraph 10.07. Particularly, but without limitation, during or as a result of Engineer's visits or observations of Contractor's Work, Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident

thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work.

10.03 *Resident Project Representative*

- A. If Owner and Engineer have agreed that Engineer will furnish a Resident Project Representative to represent Engineer at the Site and assist Engineer in observing the progress and quality of the Work, then the authority and responsibilities of any such Resident Project Representative will be as provided in the Supplementary Conditions, and limitations on the responsibilities thereof will be as provided in the Supplementary Conditions and in Paragraph 10.07.
- B. If Owner designates an individual or entity who is not Engineer's consultant, agent, or employee to represent Owner at the Site, then the responsibilities and authority of such individual or entity will be as provided in the Supplementary Conditions.

10.04 *Engineer's Authority*

- A. Engineer has the authority to reject Work in accordance with Article 14.
- B. Engineer's authority as to Submittals is set forth in Paragraph 7.16.
- C. Engineer's authority as to design drawings, calculations, specifications, certifications and other Submittals from Contractor in response to Owner's delegation (if any) to Contractor of professional design services, is set forth in Paragraph 7.19.
- D. Engineer's authority as to changes in the Work is set forth in Article 11.
- E. Engineer's authority as to Applications for Payment is set forth in Article 15.

10.05 *Determinations for Unit Price Work*

- A. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor as set forth in Paragraph 13.03.

10.06 *Decisions on Requirements of Contract Documents and Acceptability of Work*

- A. Engineer will render decisions regarding the requirements of the Contract Documents, and judge the acceptability of the Work, pursuant to the specific procedures set forth herein for initial interpretations, Change Proposals, and acceptance of the Work. In rendering such decisions and judgments, Engineer will not show partiality to Owner or Contractor, and will not be liable to Owner, Contractor, or others in connection with any proceedings, interpretations, decisions, or judgments conducted or rendered in good faith.

10.07 *Limitations on Engineer's Authority and Responsibilities*

- A. Neither Engineer's authority or responsibility under this Article 10 or under any other provision of the Contract, nor any decision made by Engineer in good faith either to exercise or not exercise such authority or responsibility or the undertaking, exercise, or performance of any authority or responsibility by Engineer, will create, impose, or give rise to any duty in contract, tort, or otherwise owed by Engineer to Contractor, any Subcontractor, any Supplier, any other individual or entity, or to any surety for or employee or agent of any of them.

- B. Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Engineer will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.
- C. Engineer will not be responsible for the acts or omissions of Contractor or of any Subcontractor, any Supplier, or of any other individual or entity performing any of the Work.
- D. Engineer's review of the final Application for Payment and accompanying documentation, and all maintenance and operating instructions, schedules, guarantees, bonds, certificates of inspection, tests and approvals, and other documentation required to be delivered by Contractor under Paragraph 15.06.A, will only be to determine generally that their content complies with the requirements of, and in the case of certificates of inspections, tests, and approvals, that the results certified indicate compliance with the Contract Documents.
- E. The limitations upon authority and responsibility set forth in this Paragraph 10.07 also apply to the Resident Project Representative, if any.

10.08 *Compliance with Safety Program*

- A. While at the Site, Engineer's employees and representatives will comply with the specific applicable requirements of Owner's and Contractor's safety programs of which Engineer has been informed.

ARTICLE 11—CHANGES TO THE CONTRACT

11.01 *Amending and Supplementing the Contract*

- A. The Contract may be amended or supplemented by a Change Order, a Work Change Directive, or a Field Order.
- B. If an amendment or supplement to the Contract includes a change in the Contract Price or the Contract Times, such amendment or supplement must be set forth in a Change Order.
- C. All changes to the Contract that involve (1) the performance or acceptability of the Work, (2) the design (as set forth in the Drawings, Specifications, or otherwise), or (3) other engineering or technical matters, must be supported by Engineer's recommendation. Owner and Contractor may amend other terms and conditions of the Contract without the recommendation of the Engineer.

11.02 *Change Orders*

- A. Owner and Contractor shall execute appropriate Change Orders covering:
 - 1. Changes in Contract Price or Contract Times which are agreed to by the parties, including any undisputed sum or amount of time for Work actually performed in accordance with a Work Change Directive;
 - 2. Changes in Contract Price resulting from an Owner set-off, unless Contractor has duly contested such set-off;

3. Changes in the Work which are: (a) ordered by Owner pursuant to Paragraph 11.05, (b) required because of Owner's acceptance of defective Work under Paragraph 14.04 or Owner's correction of defective Work under Paragraph 14.07, or (c) agreed to by the parties, subject to the need for Engineer's recommendation if the change in the Work involves the design (as set forth in the Drawings, Specifications, or otherwise) or other engineering or technical matters; and
 4. Changes that embody the substance of any final and binding results under: Paragraph 11.03.B, resolving the impact of a Work Change Directive; Paragraph 11.09, concerning Change Proposals; Article 12, Claims; Paragraph 13.02.D, final adjustments resulting from allowances; Paragraph 13.03.D, final adjustments relating to determination of quantities for Unit Price Work; and similar provisions.
- B. If Owner or Contractor refuses to execute a Change Order that is required to be executed under the terms of Paragraph 11.02.A, it will be deemed to be of full force and effect, as if fully executed.

11.03 *Work Change Directives*

- A. A Work Change Directive will not change the Contract Price or the Contract Times but is evidence that the parties expect that the modification ordered or documented by a Work Change Directive will be incorporated in a subsequently issued Change Order, following negotiations by the parties as to the Work Change Directive's effect, if any, on the Contract Price and Contract Times; or, if negotiations are unsuccessful, by a determination under the terms of the Contract Documents governing adjustments, expressly including Paragraph 11.07 regarding change of Contract Price.
- B. If Owner has issued a Work Change Directive and:
1. Contractor believes that an adjustment in Contract Times or Contract Price is necessary, then Contractor shall submit any Change Proposal seeking such an adjustment no later than 30 days after the completion of the Work set out in the Work Change Directive.
 2. Owner believes that an adjustment in Contract Times or Contract Price is necessary, then Owner shall submit any Claim seeking such an adjustment no later than 60 days after issuance of the Work Change Directive.

11.04 *Field Orders*

- A. Engineer may authorize minor changes in the Work if the changes do not involve an adjustment in the Contract Price or the Contract Times and are compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. Such changes will be accomplished by a Field Order and will be binding on Owner and also on Contractor, which shall perform the Work involved promptly.
- B. If Contractor believes that a Field Order justifies an adjustment in the Contract Price or Contract Times, then before proceeding with the Work at issue, Contractor shall submit a Change Proposal as provided herein.

11.05 *Owner-Authorized Changes in the Work*

- A. Without invalidating the Contract and without notice to any surety, Owner may, at any time or from time to time, order additions, deletions, or revisions in the Work. Changes involving the design (as set forth in the Drawings, Specifications, or otherwise) or other engineering or technical matters will be supported by Engineer's recommendation.
- B. Such changes in the Work may be accomplished by a Change Order, if Owner and Contractor have agreed as to the effect, if any, of the changes on Contract Times or Contract Price; or by a Work Change Directive. Upon receipt of any such document, Contractor shall promptly proceed with the Work involved; or, in the case of a deletion in the Work, promptly cease construction activities with respect to such deleted Work. Added or revised Work must be performed under the applicable conditions of the Contract Documents.
- C. Nothing in this Paragraph 11.05 obligates Contractor to undertake work that Contractor reasonably concludes cannot be performed in a manner consistent with Contractor's safety obligations under the Contract Documents or Laws and Regulations.

11.06 *Unauthorized Changes in the Work*

- A. Contractor shall not be entitled to an increase in the Contract Price or an extension of the Contract Times with respect to any work performed that is not required by the Contract Documents, as amended, modified, or supplemented, except in the case of an emergency as provided in Paragraph 7.15 or in the case of uncovering Work as provided in Paragraph 14.05.C.2.

11.07 *Change of Contract Price*

- A. The Contract Price may only be changed by a Change Order. Any Change Proposal for an adjustment in the Contract Price must comply with the provisions of Paragraph 11.09. Any Claim for an adjustment of Contract Price must comply with the provisions of Article 12.
- B. An adjustment in the Contract Price will be determined as follows:
 - 1. Where the Work involved is covered by unit prices contained in the Contract Documents, then by application of such unit prices to the quantities of the items involved (subject to the provisions of Paragraph 13.03);
 - 2. Where the Work involved is not covered by unit prices contained in the Contract Documents, then by a mutually agreed lump sum (which may include an allowance for overhead and profit not necessarily in accordance with Paragraph 11.07.C.2); or
 - 3. Where the Work involved is not covered by unit prices contained in the Contract Documents and the parties do not reach mutual agreement to a lump sum, then on the basis of the Cost of the Work (determined as provided in Paragraph 13.01) plus a Contractor's fee for overhead and profit (determined as provided in Paragraph 11.07.C).

- C. *Contractor's Fee*: When applicable, the Contractor's fee for overhead and profit will be determined as follows:
1. A mutually acceptable fixed fee; or
 2. If a fixed fee is not agreed upon, then a fee based on the following percentages of the various portions of the Cost of the Work:
 - a. For costs incurred under Paragraphs 13.01.B.1 and 13.01.B.2, the Contractor's fee will be 15 percent;
 - b. For costs incurred under Paragraph 13.01.B.3, the Contractor's fee will be 5 percent;
 - c. Where one or more tiers of subcontracts are on the basis of Cost of the Work plus a fee and no fixed fee is agreed upon, the intent of Paragraphs 11.07.C.2.a and 11.07.C.2.b is that the Contractor's fee will be based on: (1) a fee of 15 percent of the costs incurred under Paragraphs 13.01.B.1 and 13.01.B.2 by the Subcontractor that actually performs the Work, at whatever tier, and (2) with respect to Contractor itself and to any Subcontractors of a tier higher than that of the Subcontractor that actually performs the Work, a fee of 5 percent of the amount (fee plus underlying costs incurred) attributable to the next lower tier Subcontractor; provided, however, that for any such subcontracted Work the maximum total fee to be paid by Owner will be no greater than 27 percent of the costs incurred by the Subcontractor that actually performs the Work;
 - d. No fee will be payable on the basis of costs itemized under Paragraphs 13.01.B.4, 13.01.B.5, and 13.01.C;
 - e. The amount of credit to be allowed by Contractor to Owner for any change which results in a net decrease in Cost of the Work will be the amount of the actual net decrease in Cost of the Work and a deduction of an additional amount equal to 5 percent of such actual net decrease in Cost of the Work; and
 - f. When both additions and credits are involved in any one change or Change Proposal, the adjustment in Contractor's fee will be computed by determining the sum of the costs in each of the cost categories in Paragraph 13.01.B (specifically, payroll costs, Paragraph 13.01.B.1; incorporated materials and equipment costs, Paragraph 13.01.B.2; Subcontract costs, Paragraph 13.01.B.3; special consultants costs, Paragraph 13.01.B.4; and other costs, Paragraph 13.01.B.5) and applying to each such cost category sum the appropriate fee from Paragraphs 11.07.C.2.a through 11.07.C.2.e, inclusive.

11.08 *Change of Contract Times*

- A. The Contract Times may only be changed by a Change Order. Any Change Proposal for an adjustment in the Contract Times must comply with the provisions of Paragraph 11.09. Any Claim for an adjustment in the Contract Times must comply with the provisions of Article 12.

- B. Delay, disruption, and interference in the Work, and any related changes in Contract Times, are addressed in and governed by Paragraph 4.05.

11.09 *Change Proposals*

A. *Purpose and Content:* Contractor shall submit a Change Proposal to Engineer to request an adjustment in the Contract Times or Contract Price; contest an initial decision by Engineer concerning the requirements of the Contract Documents or relating to the acceptability of the Work under the Contract Documents; challenge a set-off against payment due; or seek other relief under the Contract. The Change Proposal will specify any proposed change in Contract Times or Contract Price, or other proposed relief, and explain the reason for the proposed change, with citations to any governing or applicable provisions of the Contract Documents. Each Change Proposal will address only one issue, or a set of closely related issues.

B. *Change Proposal Procedures*

1. *Submittal:* Contractor shall submit each Change Proposal to Engineer within 30 days after the start of the event giving rise thereto, or after such initial decision.
2. *Supporting Data:* The Contractor shall submit supporting data, including the proposed change in Contract Price or Contract Time (if any), to the Engineer and Owner within 15 days after the submittal of the Change Proposal.
 - a. Change Proposals based on or related to delay, interruption, or interference must comply with the provisions of Paragraphs 4.05.D and 4.05.E.
 - b. Change proposals related to a change of Contract Price must include full and detailed accounts of materials incorporated into the Work and labor and equipment used for the subject Work.

The supporting data must be accompanied by a written statement that the supporting data are accurate and complete, and that any requested time or price adjustment is the entire adjustment to which Contractor believes it is entitled as a result of said event.

3. *Engineer's Initial Review:* Engineer will advise Owner regarding the Change Proposal, and consider any comments or response from Owner regarding the Change Proposal. If in its discretion Engineer concludes that additional supporting data is needed before conducting a full review and making a decision regarding the Change Proposal, then Engineer may request that Contractor submit such additional supporting data by a date specified by Engineer, prior to Engineer beginning its full review of the Change Proposal.
4. *Engineer's Full Review and Action on the Change Proposal:* Upon receipt of Contractor's supporting data (including any additional data requested by Engineer), Engineer will conduct a full review of each Change Proposal and, within 30 days after such receipt of the Contractor's supporting data, either approve the Change Proposal in whole, deny it in whole, or approve it in part and deny it in part. Such actions must be in writing, with a copy provided to Owner and Contractor. If Engineer does not take action on the Change Proposal within 30 days, then either Owner or Contractor may at any time

thereafter submit a letter to the other party indicating that as a result of Engineer's inaction the Change Proposal is deemed denied, thereby commencing the time for appeal of the denial under Article 12.

5. *Binding Decision*: Engineer's decision is final and binding upon Owner and Contractor, unless Owner or Contractor appeals the decision by filing a Claim under Article 12.

C. *Resolution of Certain Change Proposals*: If the Change Proposal does not involve the design (as set forth in the Drawings, Specifications, or otherwise), the acceptability of the Work, or other engineering or technical matters, then Engineer will notify the parties in writing that the Engineer is unable to resolve the Change Proposal. For purposes of further resolution of such a Change Proposal, such notice will be deemed a denial, and Contractor may choose to seek resolution under the terms of Article 12.

D. *Post-Completion*: Contractor shall not submit any Change Proposals after Engineer issues a written recommendation of final payment pursuant to Paragraph 15.06.B.

11.10 Notification to Surety

- A. If the provisions of any bond require notice to be given to a surety of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times), the giving of any such notice will be Contractor's responsibility. The amount of each applicable bond will be adjusted to reflect the effect of any such change.

ARTICLE 12—CLAIMS

12.01 Claims

- A. *Claims Process*: The following disputes between Owner and Contractor are subject to the Claims process set forth in this article:

1. Appeals by Owner or Contractor of Engineer's decisions regarding Change Proposals;
2. Owner demands for adjustments in the Contract Price or Contract Times, or other relief under the Contract Documents;
3. Disputes that Engineer has been unable to address because they do not involve the design (as set forth in the Drawings, Specifications, or otherwise), the acceptability of the Work, or other engineering or technical matters; and
4. Subject to the waiver provisions of Paragraph 15.07, any dispute arising after Engineer has issued a written recommendation of final payment pursuant to Paragraph 15.06.B.

- B. *Submittal of Claim*: The party submitting a Claim shall deliver it directly to the other party to the Contract promptly (but in no event later than 30 days) after the start of the event giving rise thereto; in the case of appeals regarding Change Proposals within 30 days of the decision under appeal. The party submitting the Claim shall also furnish a copy to the Engineer, for its information only. The responsibility to substantiate a Claim rests with the party making the Claim. In the case of a Claim

by Contractor seeking an increase in the Contract Times or Contract Price, Contractor shall certify that the Claim is made in good faith, that the supporting data are accurate and complete, and that to the best of Contractor's knowledge and belief the amount of time or money requested accurately reflects the full amount to which Contractor is entitled.

- C. *Review and Resolution:* The party receiving a Claim shall review it thoroughly, giving full consideration to its merits. The two parties shall seek to resolve the Claim through the exchange of information and direct negotiations. The parties may extend the time for resolving the Claim by mutual agreement. All actions taken on a Claim will be stated in writing and submitted to the other party, with a copy to Engineer.
- D. *Mediation*
 - 1. At any time after initiation of a Claim, Owner and Contractor may mutually agree to mediation of the underlying dispute. The agreement to mediate will stay the Claim submittal and response process.
 - 2. If Owner and Contractor agree to mediation, then after 60 days from such agreement, either Owner or Contractor may unilaterally terminate the mediation process, and the Claim submittal and decision process will resume as of the date of the termination. If the mediation proceeds but is unsuccessful in resolving the dispute, the Claim submittal and decision process will resume as of the date of the conclusion of the mediation, as determined by the mediator.
 - 3. Owner and Contractor shall each pay one-half of the mediator's fees and costs.
- E. *Partial Approval:* If the party receiving a Claim approves the Claim in part and denies it in part, such action will be final and binding unless within 30 days of such action the other party invokes the procedure set forth in Article 17 for final resolution of disputes.
- F. *Denial of Claim:* If efforts to resolve a Claim are not successful, the party receiving the Claim may deny it by giving written notice of denial to the other party. If the receiving party does not take action on the Claim within 90 days, then either Owner or Contractor may at any time thereafter submit a letter to the other party indicating that as a result of the inaction, the Claim is deemed denied, thereby commencing the time for appeal of the denial. A denial of the Claim will be final and binding unless within 30 days of the denial the other party invokes the procedure set forth in Article 17 for the final resolution of disputes.
- G. *Final and Binding Results:* If the parties reach a mutual agreement regarding a Claim, whether through approval of the Claim, direct negotiations, mediation, or otherwise; or if a Claim is approved in part and denied in part, or denied in full, and such actions become final and binding; then the results of the agreement or action on the Claim will be incorporated in a Change Order or other written document to the extent they affect the Contract, including the Work, the Contract Times, or the Contract Price.

ARTICLE 13—COST OF THE WORK; ALLOWANCES; UNIT PRICE WORK

13.01 *Cost of the Work*

- A. *Purposes for Determination of Cost of the Work:* The term Cost of the Work means the sum of all costs necessary for the proper performance of the Work at issue, as further defined below. The provisions of this Paragraph 13.01 are used for two distinct purposes:
1. To determine Cost of the Work when Cost of the Work is a component of the Contract Price, under cost-plus-fee, time-and-materials, or other cost-based terms; or
 2. When needed to determine the value of a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price. When the value of any such adjustment is determined on the basis of Cost of the Work, Contractor is entitled only to those additional or incremental costs required because of the change in the Work or because of the event giving rise to the adjustment.
- B. *Costs Included:* Except as otherwise may be agreed to in writing by Owner, costs included in the Cost of the Work will be in amounts no higher than those commonly incurred in the locality of the Project, will not include any of the costs itemized in Paragraph 13.01.C, and will include only the following items:
1. Payroll costs for employees in the direct employ of Contractor in the performance of the Work under schedules of job classifications agreed upon by Owner and Contractor in advance of the subject Work. Such employees include, without limitation, superintendents, foremen, safety managers, safety representatives, and other personnel employed full time on the Work. Payroll costs for employees not employed full time on the Work will be apportioned on the basis of their time spent on the Work. Payroll costs include, but are not limited to, salaries and wages plus the cost of fringe benefits, which include social security contributions, unemployment, excise, and payroll taxes, workers' compensation, health and retirement benefits, sick leave, and vacation and holiday pay applicable thereto. The expenses of performing Work outside of regular working hours, on Saturday, Sunday, or legal holidays, will be included in the above to the extent authorized by Owner.
 2. Cost of all materials and equipment furnished and incorporated in the Work, including costs of transportation and storage thereof, and Suppliers' field services required in connection therewith. All cash discounts accrue to Contractor unless Owner deposits funds with Contractor with which to make payments, in which case the cash discounts will accrue to Owner. All trade discounts, rebates, and refunds and returns from sale of surplus materials and equipment will accrue to Owner, and Contractor shall make provisions so that they may be obtained.
 3. Payments made by Contractor to Subcontractors for Work performed by Subcontractors. If required by Owner, Contractor shall obtain competitive bids from subcontractors acceptable to Owner and Contractor and shall deliver such bids to Owner, which will then determine, with the advice of Engineer, which bids, if any, will be acceptable. If any subcontract provides that the

Subcontractor is to be paid on the basis of Cost of the Work plus a fee, the Subcontractor's Cost of the Work and fee will be determined in the same manner as Contractor's Cost of the Work and fee as provided in this Paragraph 13.01.

4. Costs of special consultants (including but not limited to engineers, architects, testing laboratories, surveyors, attorneys, and accountants) employed or retained for services specifically related to the Work.
5. Other costs consisting of the following:
 - a. The proportion of necessary transportation, travel, and subsistence expenses of Contractor's employees incurred in discharge of duties connected with the Work.
 - b. Cost, including transportation and maintenance, of all materials, supplies, equipment, machinery, appliances, office, and temporary facilities at the Site, which are consumed in the performance of the Work, and cost, less market value, of such items used but not consumed which remain the property of Contractor.
 - 1) In establishing included costs for materials such as scaffolding, plating, or sheeting, consideration will be given to the actual or the estimated life of the material for use on other projects; or rental rates may be established on the basis of purchase or salvage value of such items, whichever is less. Contractor will not be eligible for compensation for such items in an amount that exceeds the purchase cost of such item.
 - c. *Construction Equipment Rental*
 - 1) Rentals of all construction equipment and machinery, and the parts thereof, in accordance with rental agreements approved by Owner as to price (including any surcharge or special rates applicable to overtime use of the construction equipment or machinery), and the costs of transportation, loading, unloading, assembly, dismantling, and removal thereof. All such costs will be in accordance with the terms of said rental agreements. The rental of any such equipment, machinery, or parts must cease when the use thereof is no longer necessary for the Work.
 - 2) Costs for equipment and machinery owned by Contractor or a Contractor-related entity will be paid at a rate shown for such equipment in the equipment rental rate book specified in the Supplementary Conditions. An hourly rate will be computed by dividing the monthly rates by 176. These computed rates will include all operating costs.
 - 3) With respect to Work that is the result of a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price ("changed Work"), included costs will be based on the time the equipment or machinery is in use on the changed Work and the costs of transportation, loading, unloading, assembly, dismantling, and removal when directly attributable to the changed Work. The cost of any such equipment or machinery, or parts thereof, must cease to accrue when the use thereof is no longer necessary for the changed Work.

- d. Sales, consumer, use, and other similar taxes related to the Work, and for which Contractor is liable, as imposed by Laws and Regulations.
 - e. Deposits lost for causes other than negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, and royalty payments and fees for permits and licenses.
 - f. Losses and damages (and related expenses) caused by damage to the Work, not compensated by insurance or otherwise, sustained by Contractor in connection with the performance of the Work (except losses and damages within the deductible amounts of builder's risk or other property insurance established in accordance with Paragraph 6.04), provided such losses and damages have resulted from causes other than the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable. Such losses include settlements made with the written consent and approval of Owner. No such losses, damages, and expenses will be included in the Cost of the Work for the purpose of determining Contractor's fee.
 - g. The cost of utilities, fuel, and sanitary facilities at the Site.
 - h. Minor expenses such as communication service at the Site, express and courier services, and similar petty cash items in connection with the Work.
 - i. The costs of premiums for all bonds and insurance that Contractor is required by the Contract Documents to purchase and maintain.
- C. *Costs Excluded:* The term Cost of the Work does not include any of the following items:
- 1. Payroll costs and other compensation of Contractor's officers, executives, principals, general managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing and contracting agents, expeditors, timekeepers, clerks, and other personnel employed by Contractor, whether at the Site or in Contractor's principal or branch office for general administration of the Work and not specifically included in the agreed upon schedule of job classifications referred to in Paragraph 13.01.B.1 or specifically covered by Paragraph 13.01.B.4. The payroll costs and other compensation excluded here are to be considered administrative costs covered by the Contractor's fee.
 - 2. The cost of purchasing, renting, or furnishing small tools and hand tools.
 - 3. Expenses of Contractor's principal and branch offices other than Contractor's office at the Site.
 - 4. Any part of Contractor's capital expenses, including interest on Contractor's capital employed for the Work and charges against Contractor for delinquent payments.
 - 5. Costs due to the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, including but not limited to, the correction of defective Work,

disposal of materials or equipment wrongly supplied, and making good any damage to property.

6. Expenses incurred in preparing and advancing Claims.
7. Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in Paragraph 13.01.B.

D. Contractor's Fee

1. When the Work as a whole is performed on the basis of cost-plus-a-fee, then:
 - a. Contractor's fee for the Work set forth in the Contract Documents as of the Effective Date of the Contract will be determined as set forth in the Agreement.
 - b. for any Work covered by a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price on the basis of Cost of the Work, Contractor's fee will be determined as follows:
 - 1) When the fee for the Work as a whole is a percentage of the Cost of the Work, the fee will automatically adjust as the Cost of the Work changes.
 - 2) When the fee for the Work as a whole is a fixed fee, the fee for any additions or deletions will be determined in accordance with Paragraph 11.07.C.2.
2. When the Work as a whole is performed on the basis of a stipulated sum, or any other basis other than cost-plus-a-fee, then Contractor's fee for any Work covered by a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price on the basis of Cost of the Work will be determined in accordance with Paragraph 11.07.C.2.

- E. Documentation and Audit:** Whenever the Cost of the Work for any purpose is to be determined pursuant to this Article 13, Contractor and pertinent Subcontractors will establish and maintain records of the costs in accordance with generally accepted accounting practices. Subject to prior written notice, Owner will be afforded reasonable access, during normal business hours, to all Contractor's accounts, records, books, correspondence, instructions, drawings, receipts, vouchers, memoranda, and similar data relating to the Cost of the Work and Contractor's fee. Contractor shall preserve all such documents for a period of three years after the final payment by Owner. Pertinent Subcontractors will afford such access to Owner, and preserve such documents, to the same extent required of Contractor.

13.02 Allowances

- A.** It is understood that Contractor has included in the Contract Price all allowances so named in the Contract Documents and shall cause the Work so covered to be performed for such sums and by such persons or entities as may be acceptable to Owner and Engineer.
- B. Cash Allowances:** Contractor agrees that:
1. the cash allowances include the cost to Contractor (less any applicable trade discounts) of materials and equipment required by the allowances to be delivered at the Site, and all applicable taxes; and

2. Contractor's costs for unloading and handling on the Site, labor, installation, overhead, profit, and other expenses contemplated for the cash allowances have been included in the Contract Price and not in the allowances, and no demand for additional payment for any of the foregoing will be valid.
- C. *Owner's Contingency Allowance*: Contractor agrees that an Owner's contingency allowance, if any, is for the sole use of Owner to cover unanticipated costs.
- D. Prior to final payment, an appropriate Change Order will be issued as recommended by Engineer to reflect actual amounts due Contractor for Work covered by allowances, and the Contract Price will be correspondingly adjusted.

13.03 *Unit Price Work*

- A. Where the Contract Documents provide that all or part of the Work is to be Unit Price Work, initially the Contract Price will be deemed to include for all Unit Price Work an amount equal to the sum of the unit price for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Agreement.
- B. The estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of Bids and determining an initial Contract Price. Payments to Contractor for Unit Price Work will be based on actual quantities.
- C. Each unit price will be deemed to include an amount considered by Contractor to be adequate to cover Contractor's overhead and profit for each separately identified item.
- D. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor. Engineer will review with Contractor the Engineer's preliminary determinations on such matters before rendering a written decision thereon (by recommendation of an Application for Payment or otherwise). Engineer's written decision thereon will be final and binding (except as modified by Engineer to reflect changed factual conditions or more accurate data) upon Owner and Contractor, and the final adjustment of Contract Price will be set forth in a Change Order, subject to the provisions of the following paragraph.
- E. *Adjustments in Unit Price*
 1. Contractor or Owner shall be entitled to an adjustment in the unit price with respect to an item of Unit Price Work if:
 - a. the quantity of the item of Unit Price Work performed by Contractor differs materially and significantly from the estimated quantity of such item indicated in the Agreement; and
 - b. Contractor's unit costs to perform the item of Unit Price Work have changed materially and significantly as a result of the quantity change.
 2. The adjustment in unit price will account for and be coordinated with any related changes in quantities of other items of Work, and in Contractor's costs to perform such other Work, such that the resulting overall change in Contract Price is equitable to Owner and Contractor.

3. Adjusted unit prices will apply to all units of that item.

ARTICLE 14—TESTS AND INSPECTIONS; CORRECTION, REMOVAL, OR ACCEPTANCE OF DEFECTIVE WORK

14.01 Access to Work

- A. Owner, Engineer, their consultants and other representatives and personnel of Owner, independent testing laboratories, and authorities having jurisdiction have access to the Site and the Work at reasonable times for their observation, inspection, and testing. Contractor shall provide them proper and safe conditions for such access and advise them of Contractor's safety procedures and programs so that they may comply with such procedures and programs as applicable.

14.02 Tests, Inspections, and Approvals

- A. Contractor shall give Engineer timely notice of readiness of the Work (or specific parts thereof) for all required inspections and tests, and shall cooperate with inspection and testing personnel to facilitate required inspections and tests.
- B. Owner shall retain and pay for the services of an independent inspector, testing laboratory, or other qualified individual or entity to perform all inspections and tests expressly required by the Contract Documents to be furnished and paid for by Owner, except that costs incurred in connection with tests or inspections of covered Work will be governed by the provisions of Paragraph 14.05.
- C. If Laws or Regulations of any public body having jurisdiction require any Work (or part thereof) specifically to be inspected, tested, or approved by an employee or other representative of such public body, Contractor shall assume full responsibility for arranging and obtaining such inspections, tests, or approvals, pay all costs in connection therewith, and furnish Engineer the required certificates of inspection or approval.
- D. Contractor shall be responsible for arranging, obtaining, and paying for all inspections and tests required:
 1. by the Contract Documents, unless the Contract Documents expressly allocate responsibility for a specific inspection or test to Owner;
 2. to attain Owner's and Engineer's acceptance of materials or equipment to be incorporated in the Work;
 3. by manufacturers of equipment furnished under the Contract Documents;
 4. for testing, adjusting, and balancing of mechanical, electrical, and other equipment to be incorporated into the Work; and
 5. for acceptance of materials, mix designs, or equipment submitted for approval prior to Contractor's purchase thereof for incorporation in the Work.

Such inspections and tests will be performed by independent inspectors, testing laboratories, or other qualified individuals or entities acceptable to Owner and Engineer.

- E. If the Contract Documents require the Work (or part thereof) to be approved by Owner, Engineer, or another designated individual or entity, then Contractor shall assume full responsibility for arranging and obtaining such approvals.
- F. If any Work (or the work of others) that is to be inspected, tested, or approved is covered by Contractor without written concurrence of Engineer, Contractor shall, if requested by Engineer, uncover such Work for observation. Such uncovering will be at Contractor's expense unless Contractor had given Engineer timely notice of Contractor's intention to cover the same and Engineer had not acted with reasonable promptness in response to such notice.

14.03 *Defective Work*

- A. *Contractor's Obligation*: It is Contractor's obligation to assure that the Work is not defective.
- B. *Engineer's Authority*: Engineer has the authority to determine whether Work is defective, and to reject defective Work.
- C. *Notice of Defects*: Prompt written notice of all defective Work of which Owner or Engineer has actual knowledge will be given to Contractor.
- D. *Correction, or Removal and Replacement*: Promptly after receipt of written notice of defective Work, Contractor shall correct all such defective Work, whether or not fabricated, installed, or completed, or, if Engineer has rejected the defective Work, remove it from the Project and replace it with Work that is not defective.
- E. *Preservation of Warranties*: When correcting defective Work, Contractor shall take no action that would void or otherwise impair Owner's special warranty and guarantee, if any, on said Work.
- F. *Costs and Damages*: In addition to its correction, removal, and replacement obligations with respect to defective Work, Contractor shall pay all claims, costs, losses, and damages arising out of or relating to defective Work, including but not limited to the cost of the inspection, testing, correction, removal, replacement, or reconstruction of such defective Work, fines levied against Owner by governmental authorities because the Work is defective, and the costs of repair or replacement of work of others resulting from defective Work. Prior to final payment, if Owner and Contractor are unable to agree as to the measure of such claims, costs, losses, and damages resulting from defective Work, then Owner may impose a reasonable set-off against payments due under Article 15.

14.04 *Acceptance of Defective Work*

- A. If, instead of requiring correction or removal and replacement of defective Work, Owner prefers to accept it, Owner may do so (subject, if such acceptance occurs prior to final payment, to Engineer's confirmation that such acceptance is in general accord with the design intent and applicable engineering principles, and will not endanger public safety). Contractor shall pay all claims, costs, losses, and damages attributable to Owner's evaluation of and determination to accept such defective Work (such costs to be approved by Engineer as to reasonableness), and for the diminished value of the Work to the extent not otherwise paid by Contractor. If any such acceptance occurs prior to final payment, the necessary revisions in the

Contract Documents with respect to the Work will be incorporated in a Change Order. If the parties are unable to agree as to the decrease in the Contract Price, reflecting the diminished value of Work so accepted, then Owner may impose a reasonable set-off against payments due under Article 15. If the acceptance of defective Work occurs after final payment, Contractor shall pay an appropriate amount to Owner.

14.05 *Uncovering Work*

- A. Engineer has the authority to require additional inspection or testing of the Work, whether or not the Work is fabricated, installed, or completed.
- B. If any Work is covered contrary to the written request of Engineer, then Contractor shall, if requested by Engineer, uncover such Work for Engineer's observation, and then replace the covering, all at Contractor's expense.
- C. If Engineer considers it necessary or advisable that covered Work be observed by Engineer or inspected or tested by others, then Contractor, at Engineer's request, shall uncover, expose, or otherwise make available for observation, inspection, or testing as Engineer may require, that portion of the Work in question, and provide all necessary labor, material, and equipment.
 - 1. If it is found that the uncovered Work is defective, Contractor shall be responsible for all claims, costs, losses, and damages arising out of or relating to such uncovering, exposure, observation, inspection, and testing, and of satisfactory replacement or reconstruction (including but not limited to all costs of repair or replacement of work of others); and pending Contractor's full discharge of this responsibility the Owner shall be entitled to impose a reasonable set-off against payments due under Article 15.
 - 2. If the uncovered Work is not found to be defective, Contractor shall be allowed an increase in the Contract Price or an extension of the Contract Times, directly attributable to such uncovering, exposure, observation, inspection, testing, replacement, and reconstruction. If the parties are unable to agree as to the amount or extent thereof, then Contractor may submit a Change Proposal within 30 days of the determination that the Work is not defective.

14.06 *Owner May Stop the Work*

- A. If the Work is defective, or Contractor fails to supply sufficient skilled workers or suitable materials or equipment, or fails to perform the Work in such a way that the completed Work will conform to the Contract Documents, then Owner may order Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of Owner to stop the Work will not give rise to any duty on the part of Owner to exercise this right for the benefit of Contractor, any Subcontractor, any Supplier, any other individual or entity, or any surety for, or employee or agent of any of them.

14.07 *Owner May Correct Defective Work*

- A. If Contractor fails within a reasonable time after written notice from Engineer to correct defective Work, or to remove and replace defective Work as required by

Engineer, then Owner may, after 7 days' written notice to Contractor, correct or remedy any such deficiency.

- B. In exercising the rights and remedies under this Paragraph 14.07, Owner shall proceed expeditiously. In connection with such corrective or remedial action, Owner may exclude Contractor from all or part of the Site, take possession of all or part of the Work and suspend Contractor's services related thereto, and incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere. Contractor shall allow Owner, Owner's representatives, agents and employees, Owner's other contractors, and Engineer and Engineer's consultants access to the Site to enable Owner to exercise the rights and remedies under this paragraph.
- C. All claims, costs, losses, and damages incurred or sustained by Owner in exercising the rights and remedies under this Paragraph 14.07 will be charged against Contractor as set-offs against payments due under Article 15. Such claims, costs, losses and damages will include but not be limited to all costs of repair, or replacement of work of others destroyed or damaged by correction, removal, or replacement of Contractor's defective Work.
- D. Contractor shall not be allowed an extension of the Contract Times because of any delay in the performance of the Work attributable to the exercise by Owner of Owner's rights and remedies under this Paragraph 14.07.

ARTICLE 15—PAYMENTS TO CONTRACTOR; SET-OFFS; COMPLETION; CORRECTION PERIOD

15.01 *Progress Payments*

- A. *Basis for Progress Payments:* The Schedule of Values established as provided in Article 2 will serve as the basis for progress payments and will be incorporated into a form of Application for Payment acceptable to Engineer. Progress payments for Unit Price Work will be based on the number of units completed during the pay period, as determined under the provisions of Paragraph 13.03. Progress payments for cost-based Work will be based on Cost of the Work completed by Contractor during the pay period.
- B. *Applications for Payments*
 - 1. At least 20 days before the date established in the Agreement for each progress payment (but not more often than once a month), Contractor shall submit to Engineer for review an Application for Payment filled out and signed by Contractor covering the Work completed as of the date of the Application and accompanied by such supporting documentation as is required by the Contract Documents.
 - 2. If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the Site or at another location agreed to in writing, the Application for Payment must also be accompanied by: (a) a bill of sale, invoice, copies of subcontract or purchase order payments, or other documentation establishing full payment by Contractor for the materials and equipment; (b) at Owner's request, documentation

warranting that Owner has received the materials and equipment free and clear of all Liens; and (c) evidence that the materials and equipment are covered by appropriate property insurance, a warehouse bond, or other arrangements to protect Owner's interest therein, all of which must be satisfactory to Owner.

3. Beginning with the second Application for Payment, each Application must include an affidavit of Contractor stating that all previous progress payments received by Contractor have been applied to discharge Contractor's legitimate obligations associated with prior Applications for Payment.
4. The amount of retainage with respect to progress payments will be as stipulated in the Agreement.

C. Review of Applications

1. Engineer will, within 10 days after receipt of each Application for Payment, including each resubmittal, either indicate in writing a recommendation of payment and present the Application to Owner, or return the Application to Contractor indicating in writing Engineer's reasons for refusing to recommend payment. In the latter case, Contractor may make the necessary corrections and resubmit the Application.
2. Engineer's recommendation of any payment requested in an Application for Payment will constitute a representation by Engineer to Owner, based on Engineer's observations of the executed Work as an experienced and qualified design professional, and on Engineer's review of the Application for Payment and the accompanying data and schedules, that to the best of Engineer's knowledge, information and belief:
 - a. the Work has progressed to the point indicated;
 - b. the quality of the Work is generally in accordance with the Contract Documents (subject to an evaluation of the Work as a functioning whole prior to or upon Substantial Completion, the results of any subsequent tests called for in the Contract Documents, a final determination of quantities and classifications for Unit Price Work under Paragraph 13.03, and any other qualifications stated in the recommendation); and
 - c. the conditions precedent to Contractor's being entitled to such payment appear to have been fulfilled in so far as it is Engineer's responsibility to observe the Work.
3. By recommending any such payment Engineer will not thereby be deemed to have represented that:
 - a. inspections made to check the quality or the quantity of the Work as it has been performed have been exhaustive, extended to every aspect of the Work in progress, or involved detailed inspections of the Work beyond the responsibilities specifically assigned to Engineer in the Contract; or
 - b. there may not be other matters or issues between the parties that might entitle Contractor to be paid additionally by Owner or entitle Owner to withhold payment to Contractor.

4. Neither Engineer's review of Contractor's Work for the purposes of recommending payments nor Engineer's recommendation of any payment, including final payment, will impose responsibility on Engineer:
 - a. to supervise, direct, or control the Work;
 - b. for the means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto;
 - c. for Contractor's failure to comply with Laws and Regulations applicable to Contractor's performance of the Work;
 - d. to make any examination to ascertain how or for what purposes Contractor has used the money paid by Owner; or
 - e. to determine that title to any of the Work, materials, or equipment has passed to Owner free and clear of any Liens.
5. Engineer may refuse to recommend the whole or any part of any payment if, in Engineer's opinion, it would be incorrect to make the representations to Owner stated in Paragraph 15.01.C.2.
6. Engineer will recommend reductions in payment (set-offs) necessary in Engineer's opinion to protect Owner from loss because:
 - a. the Work is defective, requiring correction or replacement;
 - b. the Contract Price has been reduced by Change Orders;
 - c. Owner has been required to correct defective Work in accordance with Paragraph 14.07, or has accepted defective Work pursuant to Paragraph 14.04;
 - d. Owner has been required to remove or remediate a Hazardous Environmental Condition for which Contractor is responsible; or
 - e. Engineer has actual knowledge of the occurrence of any of the events that would constitute a default by Contractor and therefore justify termination for cause under the Contract Documents.

D. Payment Becomes Due

1. Ten days after presentation of the Application for Payment to Owner with Engineer's recommendation, the amount recommended (subject to any Owner set-offs) will become due, and when due will be paid by Owner to Contractor.

E. Reductions in Payment by Owner

1. In addition to any reductions in payment (set-offs) recommended by Engineer, Owner is entitled to impose a set-off against payment based on any of the following:
 - a. Claims have been made against Owner based on Contractor's conduct in the performance or furnishing of the Work, or Owner has incurred costs, losses, or damages resulting from Contractor's conduct in the performance or furnishing of the Work, including but not limited to claims, costs, losses, or

- damages from workplace injuries, adjacent property damage, non-compliance with Laws and Regulations, and patent infringement;
- b. Contractor has failed to take reasonable and customary measures to avoid damage, delay, disruption, and interference with other work at or adjacent to the Site;
 - c. Contractor has failed to provide and maintain required bonds or insurance;
 - d. Owner has been required to remove or remediate a Hazardous Environmental Condition for which Contractor is responsible;
 - e. Owner has incurred extra charges or engineering costs related to submittal reviews, evaluations of proposed substitutes, tests and inspections, or return visits to manufacturing or assembly facilities;
 - f. The Work is defective, requiring correction or replacement;
 - g. Owner has been required to correct defective Work in accordance with Paragraph 14.07, or has accepted defective Work pursuant to Paragraph 14.04;
 - h. The Contract Price has been reduced by Change Orders;
 - i. An event has occurred that would constitute a default by Contractor and therefore justify a termination for cause;
 - j. Liquidated or other damages have accrued as a result of Contractor's failure to achieve Milestones, Substantial Completion, or final completion of the Work;
 - k. Liens have been filed in connection with the Work, except where Contractor has delivered a specific bond satisfactory to Owner to secure the satisfaction and discharge of such Liens; or
 - l. Other items entitle Owner to a set-off against the amount recommended.
2. If Owner imposes any set-off against payment, whether based on its own knowledge or on the written recommendations of Engineer, Owner will give Contractor immediate written notice (with a copy to Engineer) stating the reasons for such action and the specific amount of the reduction, and promptly pay Contractor any amount remaining after deduction of the amount so withheld. Owner shall promptly pay Contractor the amount so withheld, or any adjustment thereto agreed to by Owner and Contractor, if Contractor remedies the reasons for such action. The reduction imposed will be binding on Contractor unless it duly submits a Change Proposal contesting the reduction.
3. Upon a subsequent determination that Owner's refusal of payment was not justified, the amount wrongfully withheld will be treated as an amount due as determined by Paragraph 15.01.D.1 and subject to interest as provided in the Agreement.

15.02 *Contractor's Warranty of Title*

- A. Contractor warrants and guarantees that title to all Work, materials, and equipment furnished under the Contract will pass to Owner free and clear of (1) all Liens and

other title defects, and (2) all patent, licensing, copyright, or royalty obligations, no later than 7 days after the time of payment by Owner.

15.03 *Substantial Completion*

- A. When Contractor considers the entire Work ready for its intended use Contractor shall notify Owner and Engineer in writing that the entire Work is substantially complete and request that Engineer issue a certificate of Substantial Completion. Contractor shall at the same time submit to Owner and Engineer an initial draft of punch list items to be completed or corrected before final payment.
- B. Promptly after Contractor's notification, Owner, Contractor, and Engineer shall make an inspection of the Work to determine the status of completion. If Engineer does not consider the Work substantially complete, Engineer will notify Contractor in writing giving the reasons therefor.
- C. If Engineer considers the Work substantially complete, Engineer will deliver to Owner a preliminary certificate of Substantial Completion which will fix the date of Substantial Completion. Engineer shall attach to the certificate a punch list of items to be completed or corrected before final payment. Owner shall have 7 days after receipt of the preliminary certificate during which to make written objection to Engineer as to any provisions of the certificate or attached punch list. If, after considering the objections to the provisions of the preliminary certificate, Engineer concludes that the Work is not substantially complete, Engineer will, within 14 days after submission of the preliminary certificate to Owner, notify Contractor in writing that the Work is not substantially complete, stating the reasons therefor. If Owner does not object to the provisions of the certificate, or if despite consideration of Owner's objections Engineer concludes that the Work is substantially complete, then Engineer will, within said 14 days, execute and deliver to Owner and Contractor a final certificate of Substantial Completion (with a revised punch list of items to be completed or corrected) reflecting such changes from the preliminary certificate as Engineer believes justified after consideration of any objections from Owner.
- D. At the time of receipt of the preliminary certificate of Substantial Completion, Owner and Contractor will confer regarding Owner's use or occupancy of the Work following Substantial Completion, review the builder's risk insurance policy with respect to the end of the builder's risk coverage, and confirm the transition to coverage of the Work under a permanent property insurance policy held by Owner. Unless Owner and Contractor agree otherwise in writing, Owner shall bear responsibility for security, operation, protection of the Work, property insurance, maintenance, heat, and utilities upon Owner's use or occupancy of the Work.
- E. After Substantial Completion the Contractor shall promptly begin work on the punch list of items to be completed or corrected prior to final payment. In appropriate cases Contractor may submit monthly Applications for Payment for completed punch list items, following the progress payment procedures set forth above.
- F. Owner shall have the right to exclude Contractor from the Site after the date of Substantial Completion subject to allowing Contractor reasonable access to remove its property and complete or correct items on the punch list.

15.04 *Partial Use or Occupancy*

- A. Prior to Substantial Completion of all the Work, Owner may use or occupy any substantially completed part of the Work which has specifically been identified in the Contract Documents, or which Owner, Engineer, and Contractor agree constitutes a separately functioning and usable part of the Work that can be used by Owner for its intended purpose without significant interference with Contractor's performance of the remainder of the Work, subject to the following conditions:
1. At any time, Owner may request in writing that Contractor permit Owner to use or occupy any such part of the Work that Owner believes to be substantially complete. If and when Contractor agrees that such part of the Work is substantially complete, Contractor, Owner, and Engineer will follow the procedures of Paragraph 15.03.A through 15.03.E for that part of the Work.
 2. At any time, Contractor may notify Owner and Engineer in writing that Contractor considers any such part of the Work substantially complete and request Engineer to issue a certificate of Substantial Completion for that part of the Work.
 3. Within a reasonable time after either such request, Owner, Contractor, and Engineer shall make an inspection of that part of the Work to determine its status of completion. If Engineer does not consider that part of the Work to be substantially complete, Engineer will notify Owner and Contractor in writing giving the reasons therefor. If Engineer considers that part of the Work to be substantially complete, the provisions of Paragraph 15.03 will apply with respect to certification of Substantial Completion of that part of the Work and the division of responsibility in respect thereof and access thereto.
 4. No use or occupancy or separate operation of part of the Work may occur prior to compliance with the requirements of Paragraph 6.04 regarding builder's risk or other property insurance.

15.05 *Final Inspection*

- A. Upon written notice from Contractor that the entire Work or an agreed portion thereof is complete, Engineer will promptly make a final inspection with Owner and Contractor and will notify Contractor in writing of all particulars in which this inspection reveals that the Work, or agreed portion thereof, is incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Work or remedy such deficiencies.

15.06 *Final Payment*

A. *Application for Payment*

1. After Contractor has, in the opinion of Engineer, satisfactorily completed all corrections identified during the final inspection and has delivered, in accordance with the Contract Documents, all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance, certificates of inspection, annotated record documents (as provided in Paragraph 7.12), and other documents, Contractor may make application for final payment.

2. The final Application for Payment must be accompanied (except as previously delivered) by:
 - a. all documentation called for in the Contract Documents;
 - b. consent of the surety, if any, to final payment;
 - c. satisfactory evidence that all title issues have been resolved such that title to all Work, materials, and equipment has passed to Owner free and clear of any Liens or other title defects, or will so pass upon final payment.
 - d. a list of all duly pending Change Proposals and Claims; and
 - e. complete and legally effective releases or waivers (satisfactory to Owner) of all Lien rights arising out of the Work, and of Liens filed in connection with the Work.
 3. In lieu of the releases or waivers of Liens specified in Paragraph 15.06.A.2 and as approved by Owner, Contractor may furnish receipts or releases in full and an affidavit of Contractor that: (a) the releases and receipts include all labor, services, material, and equipment for which a Lien could be filed; and (b) all payrolls, material and equipment bills, and other indebtedness connected with the Work for which Owner might in any way be responsible, or which might in any way result in liens or other burdens on Owner's property, have been paid or otherwise satisfied. If any Subcontractor or Supplier fails to furnish such a release or receipt in full, Contractor may furnish a bond or other collateral satisfactory to Owner to indemnify Owner against any Lien, or Owner at its option may issue joint checks payable to Contractor and specified Subcontractors and Suppliers.
- B. *Engineer's Review of Final Application and Recommendation of Payment:* If, on the basis of Engineer's observation of the Work during construction and final inspection, and Engineer's review of the final Application for Payment and accompanying documentation as required by the Contract Documents, Engineer is satisfied that the Work has been completed and Contractor's other obligations under the Contract have been fulfilled, Engineer will, within 10 days after receipt of the final Application for Payment, indicate in writing Engineer's recommendation of final payment and present the final Application for Payment to Owner for payment. Such recommendation will account for any set-offs against payment that are necessary in Engineer's opinion to protect Owner from loss for the reasons stated above with respect to progress payments. Otherwise, Engineer will return the Application for Payment to Contractor, indicating in writing the reasons for refusing to recommend final payment, in which case Contractor shall make the necessary corrections and resubmit the Application for Payment.
- C. *Notice of Acceptability:* In support of its recommendation of payment of the final Application for Payment, Engineer will also give written notice to Owner and Contractor that the Work is acceptable, subject to stated limitations in the notice and to the provisions of Paragraph 15.07.
- D. *Completion of Work:* The Work is complete (subject to surviving obligations) when it is ready for final payment as established by the Engineer's written

recommendation of final payment and issuance of notice of the acceptability of the Work.

- E. *Final Payment Becomes Due*: Upon receipt from Engineer of the final Application for Payment and accompanying documentation, Owner shall set off against the amount recommended by Engineer for final payment any further sum to which Owner is entitled, including but not limited to set-offs for liquidated damages and set-offs allowed under the provisions of this Contract with respect to progress payments. Owner shall pay the resulting balance due to Contractor within 30 days of Owner's receipt of the final Application for Payment from Engineer.

15.07 *Waiver of Claims*

- A. By making final payment, Owner waives its claim or right to liquidated damages or other damages for late completion by Contractor, except as set forth in an outstanding Claim, appeal under the provisions of Article 17, set-off, or express reservation of rights by Owner. Owner reserves all other claims or rights after final payment.
- B. The acceptance of final payment by Contractor will constitute a waiver by Contractor of all claims and rights against Owner other than those pending matters that have been duly submitted as a Claim, or appealed under the provisions of Article 17.

15.08 *Correction Period*

- A. If within one year after the date of Substantial Completion (or such longer period of time as may be prescribed by the Supplementary Conditions or the terms of any applicable special guarantee required by the Contract Documents), Owner gives Contractor written notice that any Work has been found to be defective, or that Contractor's repair of any damages to the Site or adjacent areas has been found to be defective, then after receipt of such notice of defect Contractor shall promptly, without cost to Owner and in accordance with Owner's written instructions:
 - 1. correct the defective repairs to the Site or such adjacent areas;
 - 2. correct such defective Work;
 - 3. remove the defective Work from the Project and replace it with Work that is not defective, if the defective Work has been rejected by Owner, and
 - 4. satisfactorily correct or repair or remove and replace any damage to other Work, to the work of others, or to other land or areas resulting from the corrective measures.
- B. Owner shall give any such notice of defect within 60 days of the discovery that such Work or repairs is defective. If such notice is given within such 60 days but after the end of the correction period, the notice will be deemed a notice of defective Work under Paragraph 7.17.B.
- C. If, after receipt of a notice of defect within 60 days and within the correction period, Contractor does not promptly comply with the terms of Owner's written instructions, or in an emergency where delay would cause serious risk of loss or damage, Owner may have the defective Work corrected or repaired or may have the rejected Work removed and replaced. Contractor shall pay all costs, losses, and

damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or repair or such removal and replacement (including but not limited to all costs of repair or replacement of work of others). Contractor's failure to pay such costs, losses, and damages within 10 days of invoice from Owner will be deemed the start of an event giving rise to a Claim under Paragraph 12.01.B, such that any related Claim must be brought within 30 days of the failure to pay.

- D. In special circumstances where a particular item of equipment is placed in continuous service before Substantial Completion of all the Work, the correction period for that item may start to run from an earlier date if so provided in the Specifications.
- E. Where defective Work (and damage to other Work resulting therefrom) has been corrected or removed and replaced under this paragraph, the correction period hereunder with respect to such Work will be extended for an additional period of one year after such correction or removal and replacement has been satisfactorily completed.
- F. Contractor's obligations under this paragraph are in addition to all other obligations and warranties. The provisions of this paragraph are not to be construed as a substitute for, or a waiver of, the provisions of any applicable statute of limitation or repose.

ARTICLE 16—SUSPENSION OF WORK AND TERMINATION

16.01 *Owner May Suspend Work*

- A. At any time and without cause, Owner may suspend the Work or any portion thereof for a period of not more than 90 consecutive days by written notice to Contractor and Engineer. Such notice will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be entitled to an adjustment in the Contract Price or an extension of the Contract Times directly attributable to any such suspension. Any Change Proposal seeking such adjustments must be submitted no later than 30 days after the date fixed for resumption of Work.

16.02 *Owner May Terminate for Cause*

- A. The occurrence of any one or more of the following events will constitute a default by Contractor and justify termination for cause:
 - 1. Contractor's persistent failure to perform the Work in accordance with the Contract Documents (including, but not limited to, failure to supply sufficient skilled workers or suitable materials or equipment, or failure to adhere to the Progress Schedule);
 - 2. Failure of Contractor to perform or otherwise to comply with a material term of the Contract Documents;
 - 3. Contractor's disregard of Laws or Regulations of any public body having jurisdiction; or

4. Contractor's repeated disregard of the authority of Owner or Engineer.
- B. If one or more of the events identified in Paragraph 16.02.A occurs, then after giving Contractor (and any surety) 10 days' written notice that Owner is considering a declaration that Contractor is in default and termination of the Contract, Owner may proceed to:
 1. declare Contractor to be in default, and give Contractor (and any surety) written notice that the Contract is terminated; and
 2. enforce the rights available to Owner under any applicable performance bond.
- C. Subject to the terms and operation of any applicable performance bond, if Owner has terminated the Contract for cause, Owner may exclude Contractor from the Site, take possession of the Work, incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere, and complete the Work as Owner may deem expedient.
- D. Owner may not proceed with termination of the Contract under Paragraph 16.02.B if Contractor within 7 days of receipt of notice of intent to terminate begins to correct its failure to perform and proceeds diligently to cure such failure.
- E. If Owner proceeds as provided in Paragraph 16.02.B, Contractor shall not be entitled to receive any further payment until the Work is completed. If the unpaid balance of the Contract Price exceeds the cost to complete the Work, including all related claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals) sustained by Owner, such excess will be paid to Contractor. If the cost to complete the Work including such related claims, costs, losses, and damages exceeds such unpaid balance, Contractor shall pay the difference to Owner. Such claims, costs, losses, and damages incurred by Owner will be reviewed by Engineer as to their reasonableness and, when so approved by Engineer, incorporated in a Change Order. When exercising any rights or remedies under this paragraph, Owner shall not be required to obtain the lowest price for the Work performed.
- F. Where Contractor's services have been so terminated by Owner, the termination will not affect any rights or remedies of Owner against Contractor then existing or which may thereafter accrue, or any rights or remedies of Owner against Contractor or any surety under any payment bond or performance bond. Any retention or payment of money due Contractor by Owner will not release Contractor from liability.
- G. If and to the extent that Contractor has provided a performance bond under the provisions of Paragraph 6.01.A, the provisions of that bond will govern over any inconsistent provisions of Paragraphs 16.02.B and 16.02.D.

16.03 *Owner May Terminate for Convenience*

- A. Upon 7 days' written notice to Contractor and Engineer, Owner may, without cause and without prejudice to any other right or remedy of Owner, terminate the

Contract. In such case, Contractor shall be paid for (without duplication of any items):

1. completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination, including fair and reasonable sums for overhead and profit on such Work;
 2. expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses; and
 3. other reasonable expenses directly attributable to termination, including costs incurred to prepare a termination for convenience cost proposal.
- B. Contractor shall not be paid for any loss of anticipated profits or revenue, post-termination overhead costs, or other economic loss arising out of or resulting from such termination.

16.04 *Contractor May Stop Work or Terminate*

- A. If, through no act or fault of Contractor, (1) the Work is suspended for more than 90 consecutive days by Owner or under an order of court or other public authority, or (2) Engineer fails to act on any Application for Payment within 30 days after it is submitted, or (3) Owner fails for 30 days to pay Contractor any sum finally determined to be due, then Contractor may, upon 7 days' written notice to Owner and Engineer, and provided Owner or Engineer do not remedy such suspension or failure within that time, terminate the contract and recover from Owner payment on the same terms as provided in Paragraph 16.03.
- B. In lieu of terminating the Contract and without prejudice to any other right or remedy, if Engineer has failed to act on an Application for Payment within 30 days after it is submitted, or Owner has failed for 30 days to pay Contractor any sum finally determined to be due, Contractor may, 7 days after written notice to Owner and Engineer, stop the Work until payment is made of all such amounts due Contractor, including interest thereon. The provisions of this paragraph are not intended to preclude Contractor from submitting a Change Proposal for an adjustment in Contract Price or Contract Times or otherwise for expenses or damage directly attributable to Contractor's stopping the Work as permitted by this paragraph.

ARTICLE 17—FINAL RESOLUTION OF DISPUTES

17.01 *Methods and Procedures*

- A. *Disputes Subject to Final Resolution:* The following disputed matters are subject to final resolution under the provisions of this article:
1. A timely appeal of an approval in part and denial in part of a Claim, or of a denial in full, pursuant to Article 12; and
 2. Disputes between Owner and Contractor concerning the Work, or obligations under the Contract Documents, that arise after final payment has been made.

- B. *Final Resolution of Disputes*: For any dispute subject to resolution under this article, Owner or Contractor may:
1. elect in writing to invoke the dispute resolution process provided for in the Supplementary Conditions;
 2. agree with the other party to submit the dispute to another dispute resolution process; or
 3. if no dispute resolution process is provided for in the Supplementary Conditions or mutually agreed to, give written notice to the other party of the intent to submit the dispute to a court of competent jurisdiction.

ARTICLE 18—MISCELLANEOUS

18.01 *Giving Notice*

- A. Whenever any provision of the Contract requires the giving of written notice to Owner, Engineer, or Contractor, it will be deemed to have been validly given only if delivered:
1. in person, by a commercial courier service or otherwise, to the recipient's place of business;
 2. by registered or certified mail, postage prepaid, to the recipient's place of business; or
 3. by e-mail to the recipient, with the words "Formal Notice" or similar in the e-mail's subject line.

18.02 *Computation of Times*

- A. When any period of time is referred to in the Contract by days, it will be computed to exclude the first and include the last day of such period. If the last day of any such period falls on a Saturday or Sunday or on a day made a legal holiday by the law of the applicable jurisdiction, such day will be omitted from the computation.

18.03 *Cumulative Remedies*

- A. The duties and obligations imposed by these General Conditions and the rights and remedies available hereunder to the parties hereto are in addition to, and are not to be construed in any way as a limitation of, any rights and remedies available to any or all of them which are otherwise imposed or available by Laws or Regulations, by special warranty or guarantee, or by other provisions of the Contract. The provisions of this paragraph will be as effective as if repeated specifically in the Contract Documents in connection with each particular duty, obligation, right, and remedy to which they apply.

18.04 *Limitation of Damages*

- A. With respect to any and all Change Proposals, Claims, disputes subject to final resolution, and other matters at issue, neither Owner nor Engineer, nor any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, shall be liable to Contractor for any claims, costs, losses, or

damages sustained by Contractor on or in connection with any other project or anticipated project.

18.05 *No Waiver*

- A. A party's non-enforcement of any provision will not constitute a waiver of that provision, nor will it affect the enforceability of that provision or of the remainder of this Contract.

18.06 *Survival of Obligations*

- A. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the Contract, as well as all continuing obligations indicated in the Contract, will survive final payment, completion, and acceptance of the Work or termination of the Contract or of the services of Contractor.

18.07 *Controlling Law*

- A. This Contract is to be governed by the law of the state in which the Project is located.

18.08 *Assignment of Contract*

- A. Unless expressly agreed to elsewhere in the Contract, no assignment by a party to this Contract of any rights under or interests in the Contract will be binding on the other party without the written consent of the party sought to be bound; and, specifically but without limitation, money that may become due and money that is due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract.

18.09 *Successors and Assigns*

- A. Owner and Contractor each binds itself, its successors, assigns, and legal representatives to the other party hereto, its successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

18.10 *Headings*

- A. Article and paragraph headings are inserted for convenience only and do not constitute parts of these General Conditions.

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SUPPLEMENTARY CONDITIONS OF THE CONSTRUCTION CONTRACT

TABLE OF CONTENTS

	Page
ARTICLE 1— DEFINITIONS AND TERMINOLOGY	155
ARTICLE 2— PRELIMINARY MATTERS	155
2.01 Delivery of Bonds and Evidence of Insurance.....	155
2.02 Copies of Documents.....	155
2.06 Electronic Transmittals.....	156
ARTICLE 3— CONTRACT DOCUMENTS: INTENT, REQUIREMENTS, REUSE.....	160
3.03 Reporting and Resolving Discrepancies	160
ARTICLE 4— COMMENCEMENT AND PROGRESS OF THE WORK	161
4.05 Delays in Contractor's Progress.....	161
ARTICLE 5— SITE, SUBSURFACE AND PHYSICAL CONDITIONS, HAZARDOUS ENVIRONMENTAL CONDITIONS	162
5.03 Subsurface and Physical Conditions.....	162
5.06 Hazardous Environmental Conditions	162
ARTICLE 6— BONDS AND INSURANCE	163
6.01 Performance, Payment, and Other Bonds	163
6.02 Insurance—General Provisions.....	163
6.03 Contractor's Insurance	164
6.04 Builder's Risk and Other Property Insurance	168
ARTICLE 7— CONTRACTOR'S RESPONSIBILITIES	169
7.03 Labor; Working Hours	169
7.07 Concerning Subcontractors and Suppliers.....	169
7.10 Taxes	169
ARTICLE 8— OTHER WORK AT THE SITE	170
ARTICLE 9— OWNER'S RESPONSIBILITIES	170
9.13 Owner's Site Representative.....	170
9.13 Owner's Site Representative.....	170
ARTICLE 10— ENGINEER'S STATUS DURING CONSTRUCTION.....	170
ARTICLE 11— CHANGES TO THE CONTRACT	170

ARTICLE 12— CLAIMS	170
ARTICLE 13— COST OF WORK; ALLOWANCES, UNIT PRICE WORK	170
13.01 Cost of the Work	170
ARTICLE 14— TESTS AND INSPECTIONS; CORRECTION, REMOVAL, OR ACCEPTANCE OF DEFECTIVE WORK.....	171
ARTICLE 15— PAYMENTS TO CONTRACTOR, SET OFFS; COMPLETIONS; CORRECTION PERIOD	171
15.01 Progress Payments.....	171
15.03 Substantial Completion	172
15.06 Final Payment	172
15.08 Correction Period	172
ARTICLE 16— SUSPENSION OF WORK AND TERMINATION	173
ARTICLE 17— FINAL RESOLUTIONS OF DISPUTES	173
17.02 Attorneys' Fees	173
ARTICLE 18— MISCELLANEOUS	173
ARTICLE 19— FEDERAL REQUIREMENTS	173
19.01 Conflict of Interest	173
Article 19.02 Gratuities	173
19.03 Environmental Requirements	174

SUPPLEMENTARY CONDITIONS OF THE CONSTRUCTION CONTRACT

These Supplementary Conditions amend or supplement EJCDC® C-700, Standard General Conditions of the Construction Contract (2018). The General Conditions remain in full force and effect except as amended.

The terms used in these Supplementary Conditions have the meanings stated in the General Conditions. Additional terms used in these Supplementary Conditions have the meanings stated below, which are applicable to both the singular and plural thereof.

The address system used in these Supplementary Conditions is the same as the address system used in the General Conditions, with the prefix "SC" added—for example, "Paragraph SC-4.05."

ARTICLE 1—DEFINITIONS AND TERMINOLOGY

No Supplementary Conditions in this Article.

ARTICLE 2—PRELIMINARY MATTERS

2.01 Delivery of Bonds and Evidence of Insurance

SC-2.01 Delete Paragraphs 2.01.B. and C. in their entirety and insert the following in their place:

- B. *Evidence of Contractor's Insurance:* When Contractor delivers the signed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner copies of the policies (including all endorsements, and identification of applicable self-insured retentions and deductibles) of insurance required to be provided by Contractor in this Contract. Contractor may block out (redact) any confidential premium or pricing information contained in any policy or endorsement furnished under this provision.
- C. *Evidence of Owner's Insurance:* After receipt from Contractor of the signed counterparts of the Agreement and all required bonds and insurance documentation, Owner shall promptly deliver to Contractor copies of the policies of insurance to be provided by Owner in this Contract (if any). Owner may block out (redact) any confidential premium or pricing information contained in any policy or endorsement furnished under this provision.

2.02 Copies of Documents

SC-2.02 Amend the first sentence of Paragraph 2.02.A. to read as follows:

Owner shall furnish to Contractor one (1) printed copies of the Contract Documents (including one fully signed counterpart of the Agreement), and one (1) copy in electronic portable document format (PDF).

2.06 *Electronic Transmittals*

SC-2.06 Delete Paragraphs 2.06.B and 2.06.C in their entirety and insert the following in their place:

B. *Electronic Documents Protocol*: The parties shall conform to the following provisions in Paragraphs 2.06.B and 2.06.C, together referred to as the Electronic Documents Protocol (“EDP” or “Protocol”) for exchange of electronic transmittals.

1. Basic Requirements

- a. To the fullest extent practical, the parties agree to and will transmit and accept Electronic Documents in an electronic or digital format using the procedures described in this Protocol. Use of the Electronic Documents and any information contained therein is subject to the requirements of this Protocol and other provisions of the Contract.
- b. The contents of the information in any Electronic Document will be the responsibility of the transmitting party.
- c. Electronic Documents as exchanged by this Protocol may be used in the same manner as the printed versions of the same documents that are exchanged using non-electronic format and methods, subject to the same governing requirements, limitations, and restrictions, set forth in the Contract Documents.
- d. Except as otherwise explicitly stated herein, the terms of this Protocol will be incorporated into any other agreement or subcontract between a party and any third party for any portion of the Work on the Project, or any Project-related services, where that third party is, either directly or indirectly, required to exchange Electronic Documents with a party or with Engineer. Nothing herein will modify the requirements of the Contract regarding communications between and among the parties and their subcontractors and consultants.
- e. When transmitting Electronic Documents, the transmitting party makes no representations as to long term compatibility, usability, or readability of the items resulting from the receiving party’s use of software application packages, operating systems, or computer hardware differing from those established in this Protocol.
- f. Nothing herein negates any obligation 1) in the Contract to create, provide, or maintain an original printed record version of Drawings and Specifications, signed and sealed according to applicable Laws and Regulations; 2) to comply with any applicable Law or Regulation governing the signing and sealing of design documents or the signing and electronic transmission of any other documents; or 3) to comply with the notice requirements of Paragraph 18.01 of the General Conditions.

2. System Infrastructure for Electronic Document Exchange

- a. Each party will provide hardware, operating system(s) software, internet, e-mail, and large file transfer functions ("System Infrastructure") at its own cost and sufficient for complying with the EDP requirements. With the exception of minimum standards set forth in this EDP, and any explicit system requirements specified by attachment to this EDP, it is the obligation of each party to determine, for itself, its own System Infrastructure.
 - 1) The maximum size of an email attachment for exchange of Electronic Documents under this EDP is 20 MB. Attachments larger than that may be exchanged using large file transfer functions or physical media.
 - 2) Each Party assumes full and complete responsibility for any and all of its own costs, delays, deficiencies, and errors associated with converting, translating, updating, verifying, licensing, or otherwise enabling its System Infrastructure, including operating systems and software, for use with respect to this EDP.
- b. Each party is responsible for its own system operations, security, back-up, archiving, audits, printing resources, and other Information Technology ("IT") for maintaining operations of its System Infrastructure during the Project, including coordination with the party's individual(s) or entity responsible for managing its System Infrastructure and capable of addressing routine communications and other IT issues affecting the exchange of Electronic Documents.
- c. Each party will operate and maintain industry-standard, industry-accepted, ISO-standard, commercial-grade security software and systems that are intended to protect the other party from: software viruses and other malicious software like worms, trojans, adware; data breaches; loss of confidentiality; and other threats in the transmission to or storage of information from the other parties, including transmission of Electronic Documents by physical media such as CD/DVD/flash drive/hard drive. To the extent that a party maintains and operates such security software and systems, it shall not be liable to the other party for any breach of system security.
- d. In the case of disputes, conflicts, or modifications to the EDP required to address issues affecting System Infrastructure, the parties shall cooperatively resolve the issues; but, failing resolution, the Owner is authorized to make and require reasonable and necessary changes to the EDP to effectuate its original intent. If the changes cause additional cost or time to Contractor, not reasonably anticipated under the original EDP, Contractor may seek an adjustment in price or time under the appropriate process in the Contract.

- e. Each party is responsible for its own back-up and archive of documents sent and received during the term of the contract under this EDP, unless this EDP establishes a Project document archive, either as part of a mandatory Project website or other communications protocol, upon which the parties may rely for document archiving during the specified term of operation of such Project document archive. Further, each party remains solely responsible for its own post-Project back-up and archive of Project documents after the term of the Contract, or after termination of the Project document archive, if one is established, for as long as required by the Contract and as each party deems necessary for its own purposes.
- f. If a receiving party receives an obviously corrupted, damaged, or unreadable Electronic Document, the receiving party will advise the sending party of the incomplete transmission.
- g. The parties will bring any non-conforming Electronic Documents into compliance with the EDP. The parties will attempt to complete a successful transmission of the Electronic Document or use an alternative delivery method to complete the communication.
- h. The Owner will operate a Project information management system (also referred to in this EDP as "Project Website") for use of Owner, Engineer and Contractor during the Project for exchange and storage of Project-related communications and information. Except as otherwise provided in this EDP or the General Conditions, use of the Project Website by the parties as described in this Paragraph will be mandatory for exchange of Project documents, communications, submittals, and other Project-related information. The following conditions and standards will govern use of the Project Website:
 - 1) Describe the period of time during which the Project Website will be operated and be available for reliance by the parties;
 - 2) Provide any minimum system infrastructure, software licensing and security standards for access to and use of the Project Website;
 - 3) Describe the types and extent of services to be provided at the Project Website (such as large file transfer, email, communication and document archives, etc.); and
 - 4) Include any other Project Website attributes that may be pertinent to Contractor's use of the facility and pricing of such use.

C. Software Requirements for Electronic Document Exchange; Limitations

- 1. Each party will acquire the software and software licenses necessary to create and transmit Electronic Documents and to read and to use any Electronic Documents received from the other party (and if relevant from

third parties), using the software formats required in this section of the EDP.

- a. Prior to using any updated version of the software required in this section for sending Electronic Documents to the other party, the originating party will first notify and receive concurrence from the other party for use of the updated version or adjust its transmission to comply with this EDP.
2. The parties agree not to intentionally edit, reverse engineer, decrypt, remove security or encryption features, or convert to another format for modification purposes any Electronic Document or information contained therein that was transmitted in a software data format, including Portable Document Format (PDF), intended by sender not to be modified, unless the receiving party obtains the permission of the sending party or is citing or quoting excerpts of the Electronic Document for Project purposes.
3. Software and data formats for exchange of Electronic Documents will conform to the requirements set forth in Exhibit A to this EDP, including software versions, if listed.

SC-2.06 Supplement Paragraph 2.06 of the General Conditions by adding the following paragraph:

D. Requests by Contractor for Electronic Documents in Other Formats

1. Release of any Electronic Document versions of the Project documents in formats other than those identified in the Electronic Documents Protocol (if any) or elsewhere in the Contract will be at the sole discretion of the Owner.
2. To extent determined by Owner, in its sole discretion, to be prudent and necessary, release of Electronic Documents versions of Project documents and other Project information requested by Contractor ("Request") in formats other than those identified in the Electronic Documents Protocol (if any) or elsewhere in the Contract will be subject to the provisions of the Owner's response to the Request, and to the following conditions to which Contractor agrees:
 - a. The content included in the Electronic Documents created by Engineer and covered by the Request was prepared by Engineer as an internal working document for Engineer's purposes solely, and is being provided to Contractor on an "AS IS" basis without any warranties of any kind, including, but not limited to any implied warranties of fitness for any purpose. As such, Contractor is advised and acknowledges that the content may not be suitable for Contractor's application, or may require substantial modification and independent verification by Contractor. The content may include limited resolution of models, not-to-scale schematic representations and symbols, use of notes to convey design concepts in lieu of accurate graphics, approximations, graphical simplifications,

undocumented intermediate revisions, and other devices that may affect subsequent reuse.

- b. Electronic Documents containing text, graphics, metadata, or other types of data that are provided by Engineer to Contractor under the request are only for convenience of Contractor. Any conclusion or information obtained or derived from such data will be at the Contractor's sole risk and the Contractor waives any claims against Engineer or Owner arising from use of data in Electronic Documents covered by the Request.
 - c. Contractor shall indemnify and hold harmless Owner and Engineer and their subconsultants from all claims, damages, losses, and expenses, including attorneys' fees and defense costs arising out of or resulting from Contractor's use, adaptation, or distribution of any Electronic Documents provided under the Request.
 - d. Contractor agrees not to sell, copy, transfer, forward, give away or otherwise distribute this information (in source or modified file format) to any third party without the direct written authorization of Engineer, unless such distribution is specifically identified in the Request and is limited to Contractor's subcontractors. Contractor warrants that subsequent use by Contractor's subcontractors complies with all terms of the Contract Documents and Owner's response to Request.
3. In the event that Owner elects to provide or directs the Engineer to provide to Contractor any Contractor-requested Electronic Document versions of Project information that is not explicitly identified in the Contract Documents as being available to Contractor, the Owner shall be reimbursed by Contractor on an hourly basis (at \$100.00 per hour) for any engineering costs necessary to create or otherwise prepare the data in a manner deemed appropriate by Engineer.

ARTICLE 3—CONTRACT DOCUMENTS: INTENT, REQUIREMENTS, REUSE

3.03 Reporting and Resolving Discrepancies

SC-3.03.B.1 The following shall be added to Paragraph 3.03.B.1 as Paragraph 3.03.B.1.c:

- c. In resolving conflicts, errors or discrepancies within the Contract Documents, the various elements will be given precedence in the following order:
 - 1) Agreement with Change Orders or Modifications
 - 2) Specific Project Requirements
 - 3) Supplementary Conditions
 - 4) General Conditions
 - 5) Specifications (Part II)

6) Drawings

ARTICLE 4—COMMENCEMENT AND PROGRESS OF THE WORK

4.05 Delays in Contractor's Progress

SC-4.05 Amend Paragraph 4.05.C by adding the following subparagraphs:

5. Weather-Related Delays

- a. If “abnormal weather conditions” as set forth in Paragraph 4.05.C.2 of the General Conditions are the basis for a request for an equitable adjustment in the Contract Times, such request must be documented by data substantiating each of the following: 1) that weather conditions were abnormal for the period of time in which the delay occurred, 2) that such weather conditions could not have been reasonably anticipated, and 3) that such weather conditions had an adverse effect on the Work as scheduled.
- b. The existence of abnormal weather conditions will be determined on a month-by-month basis in accordance with the following:
 - 1) Every workday on which one or more of the following conditions exist will be considered a “bad weather day”:
 - i) Total precipitation (as rain equivalent) occurring between 7:00 p.m. on the preceding day (regardless of whether such preceding day is a workday) through 7:00 p.m. on the workday in question equals or exceeds 1.67 inches of precipitation (as rain equivalent, based on the snow/rain conversion indicated in the table entitled Foreseeable Bad Weather Days; such table is hereby incorporated in this SC-4.05.C by reference.
 - ii) Ambient outdoor air temperature at 11:00 a.m. is equal to or less than the following low temperature threshold: 35 degrees Fahrenheit; or, at 3:00 p.m. the ambient outdoor temperature is equal to or greater than the following high temperature threshold: 85 degrees Fahrenheit.
 - 2) Determination of actual bad weather days during performance of the Work will be based on the weather records measured and recorded by National Weather Service weather monitoring station at Marshalltown, Marshalltown Municipal Airport (KMIW).
 - 3) Contractor shall anticipate the number of foreseeable bad weather days per month indicated in the table in Exhibit B—Foreseeable Bad Weather Days.
 - 4) In each month, every bad weather day exceeding the number of foreseeable bad weather days established in the table in Exhibit B—Foreseeable Bad Weather Days will be considered as

“abnormal weather conditions.” The existence of abnormal weather conditions will not relieve Contractor of the obligation to demonstrate and document that delays caused by abnormal weather are specific to the planned work activities or that such activities thus delayed were on Contractor’s then-current Progress Schedule’s critical path for the Project.

ARTICLE 5—SITE, SUBSURFACE AND PHYSICAL CONDITIONS, HAZARDOUS ENVIRONMENTAL CONDITIONS

5.03 Subsurface and Physical Conditions

SC-5.03 Add the following new paragraphs immediately after Paragraph 5.03.D:

- E. The following table lists the reports of explorations and tests of subsurface conditions at or adjacent to the Site that contain Technical Data, and specifically identifies the Technical Data in the report upon which Contractor may rely:

Report Title	Date of Report	Technical Data
		None

- F. The following table lists the drawings of existing physical conditions at or adjacent to the Site, including those drawings depicting existing surface or subsurface structures at or adjacent to the Site (except Underground Facilities), that contain Technical Data, and specifically identifies the Technical Data upon which Contractor may rely:

Drawings Title	Date of Drawings	Technical Data
		None

- G. Contractor may examine copies of reports and drawings identified in SC-5.03.E and SC-5.03.F that were not included with the Bidding Documents at City Engineer’s Office during regular business hours, or may request copies from Engineer.

5.06 Hazardous Environmental Conditions

SC-5.06 Add the following new paragraphs immediately after Paragraph 5.06.A.3:

4. The following table lists the reports known to Owner relating to Hazardous Environmental Conditions at or adjacent to the Site, and the Technical Data (if any) upon which Contractor may rely:

Report Title	Date of Report	Technical Data
		None

Report Title	Date of Report	Technical Data

5. The following table lists the drawings known to Owner relating to Hazardous Environmental Conditions at or adjacent to the Site, and Technical Data (if any) contained in such Drawings upon which Contractor may rely:

Drawings Title	Date of Drawings	Technical Data
		None

ARTICLE 6—BONDS AND INSURANCE

6.01 Performance, Payment, and Other Bonds

SC-6.01 Add the following paragraphs immediately after Paragraph 6.01.A:

1. *Required Performance Bond Form:* The performance bond that Contractor furnishes will be in the form of EJCDC® C-610, Performance Bond (2018 edition).
2. *Required Payment Bond Form:* The payment bond that Contractor furnishes will be in the form of EJCDC® C-615, Payment Bond (2018 edition).

SC-6.01 Add the following paragraphs immediately after Paragraph 6.01.B:

1. The correction period specified as one year after the date of Substantial Completion in Paragraph 15.08.A of the General Conditions is hereby revised to be **four (4) years** after Substantial Completion.
2. After Substantial Completion, Contractor shall furnish a warranty bond issued in the form of EJCDC® C-612, Warranty Bond (2018). The warranty bond must be in a bond amount of **15 percent** of the final Contract Price. The warranty bond period will extend to a date **four (4) years** after Substantial Completion of the Work. Contractor shall deliver the fully executed warranty bond to Owner prior to or with the final application for payment, and in any event no later than 11 months after Substantial Completion.
3. The warranty bond must be issued by the same surety that issues the performance bond required under Paragraph 6.01.A of the General Conditions.

6.02 Insurance—General Provisions

SC-6.02 Add the following paragraph immediately after Paragraph 6.02.B:

1. Contractor may obtain worker's compensation insurance from an insurance company that has not been rated by A.M. Best, provided that such company (a) is domiciled in the state in which the Project is located,

(b) is certified or authorized as a worker's compensation insurance provider by the appropriate state agency, and (c) has been accepted to provide worker's compensation insurance for similar projects by the state within the last 12 months.

6.03 Contractor's Insurance

SC-6.03 Supplement Paragraph 6.03 with the following provisions after Paragraph 6.03.C:

- D. **Workers' Compensation and Employer's Liability:** Contractor shall purchase and maintain workers' compensation and employer's liability insurance, including, as applicable, United States Longshoreman and Harbor Workers' Compensation Act, Jones Act, stop-gap employer's liability coverage for monopolistic states, and foreign voluntary workers' compensation (from available sources, notwithstanding the jurisdictional requirement of Paragraph 6.02.B of the General Conditions).

Workers' Compensation and Related Policies	Policy limits of not less than:
Workers' Compensation	
State	Statutory
Applicable Federal (e.g., Longshoreman's)	Statutory
Foreign voluntary workers' compensation (employer's responsibility coverage), if applicable	Statutory
Jones Act (if applicable)	
Bodily injury by accident—each accident	Not Applicable
Bodily injury by disease—aggregate	Not Applicable
Employer's Liability	
Each accident	\$500,000
Each employee	\$500,000
Policy limit	\$1,000,000
Stop-gap Liability Coverage	
For work performed in monopolistic states, stop-gap liability coverage must be endorsed to either the worker's compensation or commercial general liability policy with a minimum limit of:	Not Applicable

- E. **Commercial General Liability—Claims Covered:** Contractor shall purchase and maintain commercial general liability insurance, covering all operations by or on behalf of Contractor, on an occurrence basis, against claims for:
1. damages because of bodily injury, sickness or disease, or death of any person other than Contractor's employees,
 2. damages insured by reasonably available personal injury liability coverage, and
 3. damages because of injury to or destruction of tangible property

wherever located, including loss of use resulting therefrom.

- F. *Commercial General Liability—Form and Content:* Contractor's commercial liability policy must be written on a 1996 (or later) Insurance Services Organization, Inc. (ISO) commercial general liability form (occurrence form) and include the following coverages and endorsements:
1. Products and completed operations coverage.
 - a. Such insurance must be maintained for three years after final payment.
 - b. Contractor shall furnish Owner and each other additional insured (as identified in the Supplementary Conditions or elsewhere in the Contract) evidence of continuation of such insurance at final payment and three years thereafter.
 2. Blanket contractual liability coverage, including but not limited to coverage of Contractor's contractual indemnity obligations in Paragraph 7.18.
 3. Severability of interests and no insured-versus-insured or cross-liability exclusions.
 4. Underground, explosion, and collapse coverage.
 5. Personal injury coverage.
 6. Additional insured endorsements that include both ongoing operations and products and completed operations coverage through ISO Endorsements CG 20 10 10 01 and CG 20 37 10 01 (together). If Contractor demonstrates to Owner that the specified ISO endorsements are not commercially available, then Contractor may satisfy this requirement by providing equivalent endorsements.
 7. For design professional additional insureds, ISO Endorsement CG 20 32 07 04 "Additional Insured—Engineers, Architects or Surveyors Not Engaged by the Named Insured" or its equivalent.
- G. *Commercial General Liability—Excluded Content:* The commercial general liability insurance policy, including its coverages, endorsements, and incorporated provisions, must not include any of the following:
1. Any modification of the standard definition of "insured contract" (except to delete the railroad protective liability exclusion if Contractor is required to indemnify a railroad or others with respect to Work within 50 feet of railroad property).
 2. Any exclusion for water intrusion or water damage.
 3. Any provisions resulting in the erosion of insurance limits by defense costs other than those already incorporated in ISO form CG 00 01.
 4. Any exclusion of coverage relating to earth subsidence or movement.
 5. Any exclusion for the insured's vicarious liability, strict liability, or

statutory liability (other than worker's compensation).

6. Any limitation or exclusion based on the nature of Contractor's work.
7. Any professional liability exclusion broader in effect than the most recent edition of ISO form CG 22 79.

H. Commercial General Liability—Minimum Policy Limits

Commercial General Liability	Policy limits of not less than:
General Aggregate	\$2,000,000
Products—Completed Operations Aggregate	\$1,000,000
Personal and Advertising Injury	\$1,000,000
Bodily Injury and Property Damage—Each Occurrence	\$1,000,000

- I. *Automobile Liability*: Contractor shall purchase and maintain automobile liability insurance for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance, or use of any motor vehicle. The automobile liability policy must be written on an occurrence basis.

Automobile Liability	Policy limits of not less than:
Bodily Injury	
Each Person	\$1,000,000
Each Accident	\$1,000,000
Property Damage	
Each Accident	\$1,000,000
[or]	
Combined Single Limit	
Combined Single Limit (Bodily Injury and Property Damage)	\$2,000,000

- J. *Umbrella or Excess Liability*: Contractor shall purchase and maintain umbrella or excess liability insurance written over the underlying employer's liability, commercial general liability, and automobile liability insurance described in the Paragraphs above. The coverage afforded must be at least as broad as that of each and every one of the underlying policies.

Excess or Umbrella Liability	Policy limits of not less than:
Each Occurrence	\$5,000,000
General Aggregate	\$5,000,000

- K. *Using Umbrella or Excess Liability Insurance to Meet CGL and Other Policy Limit Requirements*: Contractor may meet the policy limits specified for employer's liability, commercial general liability, and automobile liability

through the primary policies alone, or through combinations of the primary insurance policy's policy limits and partial attribution of the policy limits of an umbrella or excess liability policy that is at least as broad in coverage as that of the underlying policy, as specified herein. If such umbrella or excess liability policy was required under this Contract, at a specified minimum policy limit, such umbrella or excess policy must retain a minimum limit of \$5,000,000 after accounting for partial attribution of its limits to underlying policies, as allowed above.

- L. ***Contractor's Pollution Liability Insurance:*** Contractor shall purchase and maintain a policy covering third-party injury and property damage, including cleanup costs, as a result of pollution conditions arising from Contractor's operations and completed operations. This insurance must be maintained for no less than three years after final completion.

Contractor's Pollution Liability	Policy limits of not less than:
Each Occurrence/Claim	Not Applicable
General Aggregate	Not Applicable

- M. ***Contractor's Professional Liability Insurance:*** If Contractor will provide or furnish professional services under this *Contract*, through a delegation of professional design services or otherwise, then Contractor shall be responsible for purchasing and maintaining applicable professional liability insurance. This insurance must cover negligent acts, errors, or omissions in the performance of professional design or related services by the insured or others for whom the insured is legally liable. The insurance must be maintained throughout the duration of the Contract and for a minimum of two years after Substantial Completion. The retroactive date on the policy must pre-date the commencement of furnishing services on the Project.

Contractor's Professional Liability	Policy limits of not less than:
Each Claim	Not Applicable
Annual Aggregate	Not Applicable

- N. ***Railroad Protective Liability Insurance:*** Prior to commencing any Work within 50 feet of railroad-owned and controlled property, Contractor shall (1) endorse its commercial general liability policy with ISO CG 24 17, removing the contractual liability exclusion for work within 50 feet of a railroad, (2) purchase and maintain railroad protective liability insurance meeting the following requirements, (3) furnish a copy of the endorsement to Owner, and (4) submit a copy of the railroad protective policy and other railroad-required documentation to the railroad, and notify Owner of such submittal.

[Union Pacific Railroad Protective Liability Insurance](#)

Railroad Protective Liability Insurance	Policy limits of not less than:
Each Claim	Not Applicable
Aggregate	Not Applicable

- O *Unmanned Aerial Vehicle Liability Insurance*: If Contractor uses unmanned aerial vehicles (UAV—commonly *referred* to as drones) at the Site or in support of any aspect of the Work, Contractor shall obtain UAV liability insurance in the amounts stated; name Owner, Engineer, and all individuals and entities identified in the Supplementary Conditions as additional insureds; and provide a certificate to Owner confirming Contractor’s compliance with this requirement. Such insurance will provide coverage for property damage, bodily injury or death, and invasion of privacy.

Unmanned Aerial Vehicle Liability Insurance	Policy limits of not less than:
Each Claim	Not Applicable
General Aggregate	Not Applicable

P. *Other Required Insurance*: None

6.04 *Builder’s Risk and Other Property Insurance*

SC-6.04 Delete Paragraph 6.04.A of the General Conditions and substitute the following in its place:

A. Installation Floater

1. Contractor shall provide and maintain installation floater insurance on a broad form or “all risk” policy providing coverage for materials, supplies, machinery, fixtures, and equipment that will be incorporated into the Work (“Covered Property”). Coverage under the Contractor’s installation floater will include loss from covered “all risk” causes (perils) to Covered Property:
 - a. of the Contractor, and Covered Property of others that is in Contractor’s care, custody, and control;
 - b. while in transit to the Site, including while at temporary storage sites;
 - c. while at the Site awaiting and during installation, erection, and testing;
 - d. continuing at least until the installation or erection of the Covered Property is completed, and the Work into which it is incorporated is accepted by Owner.
2. The installation floater coverage cannot be contingent on an external cause or risk, or limited to property for which the Contractor is legally liable.
3. The installation floater coverage will be in an amount sufficient to protect Contractor’s interest in the Covered Property. The Contractor will be

solely responsible for any deductible carried under this coverage.

4. This policy will include a waiver of subrogation applicable to Owner, Contractor, Engineer, all Subcontractors, and the officers, directors, partners, employees, agents and other consultants and subcontractors of any of them.

ARTICLE 7—CONTRACTOR’S RESPONSIBILITIES

7.03 Labor; Working Hours

SC-7.03 Add the following new subparagraphs immediately after Paragraph 7.03.C:

1. No Work shall be done between 6:00pm and 7:00am without permission of Owner. However, emergency work may be done without prior permission.
2. Night Work may be undertaken as a regular procedure with the permission of Owner; such permission, however, may be revoked at any time by Owner if Contractor fails to maintain adequate equipment and supervision for the proper prosecution and control of the Work at night.
3. Owner's legal holidays are: New Year’s Day, Good Friday, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Friday after Thanksgiving, and Christmas Day.

SC-7.03 Amend the first and second sentences of Paragraph 7.03.C to state “...all Work at the Site must be performed during regular working hours, Monday through Saturday. Contractor will not perform Work on a Sunday, or any legal holiday.”

7.07 Concerning Subcontractors and Suppliers

SC-7.07 Add a new paragraph immediately after Paragraph 7.07.M:

- N. The Contractor shall not award work valued at more than fifty percent of the Contract Price to Subcontractor(s), without prior written approval of the Owner.

7.10 Taxes

SC-7.10 Add a new paragraph immediately after Paragraph 7.10.A:

- A. Owner is exempt from payment of sales and compensating use taxes of the State of Iowa and of cities and counties thereof on all materials to be incorporated into the Work.
 1. Owner will furnish the required certificates of tax exemption to Contractor for use in the purchase of supplies and materials to be incorporated into the Work.
 2. Owner’s exemption does not apply to construction tools, machinery, equipment, or other property purchased by or leased by Contractor, or to

supplies or materials not incorporated into the Work.

ARTICLE 8—OTHER WORK AT THE SITE

No Supplementary Conditions in this Article.

ARTICLE 9—OWNER’S RESPONSIBILITIES

9.13 Owner’s Site Representative

SC-9.13 Add the following new paragraph immediately after Paragraph 9.12 of the General Conditions:

9.13 Owner’s Site Representative

- A. Owner will furnish an “Owner’s Site Representative” to represent Owner at the Site and assist Owner in observing the progress and quality of the Work. The Owner’s Site Representative is not Engineer’s consultant, agent, or employee.

ARTICLE 10—ENGINEER’S STATUS DURING CONSTRUCTION

No Supplementary Conditions in this Article.

ARTICLE 11—CHANGES TO THE CONTRACT

No Supplementary Conditions in this Article.

ARTICLE 12—CLAIMS

No Supplementary Conditions in this Article.

ARTICLE 13—COST OF WORK; ALLOWANCES, UNIT PRICE WORK

13.01 Cost of the Work

SC-13.01 Supplement Paragraph 13.01.B.5.c.(2) by adding the following sentence:

The equipment rental rate book that governs the included costs for the rental of machinery and equipment owned by Contractor (or a related entity) under the Cost of the Work provisions of this Contract is the most current edition of Rental Rate Blue Book for Construction Equipment.

SC-13.01 Supplement Paragraph 13.01.C.2 by adding the following definition of small tools and hand tools:

- a. For purposes of this paragraph, “small tools and hand tools” means any tool or equipment whose current price if it were purchased new at retail would be less than \$500.

SC-13.03 Delete Paragraph 13.03.E in its entirety and insert the following in its place:

E. Adjustments in Unit Price

1. Contractor or Owner shall be entitled to an adjustment in the unit price with respect to an item of Unit Price Work if:
 - a. the extended price of a particular item of Unit Price Work amounts to five (5) percent or more of the Contract Price (based on estimated quantities at the time of Contract formation) and the variation in the quantity of that particular item of Unit Price Work actually furnished or performed by Contractor differs by more than 25 percent from the estimated quantity of such item indicated in the Agreement; and
 - b. Contractor's unit costs to perform the item of Unit Price Work have changed materially and significantly as a result of the quantity change.
2. The adjustment in unit price will account for and be coordinated with any related changes in quantities of other items of Work, and in Contractor's costs to perform such other Work, such that the resulting overall change in Contract Price is equitable to Owner and Contractor.
3. Adjusted unit prices will apply to all units of that item.

ARTICLE 14—TESTS AND INSPECTIONS; CORRECTION, REMOVAL, OR ACCEPTANCE OF DEFECTIVE WORK

No Supplementary Conditions in this Article.

ARTICLE 15—PAYMENTS TO CONTRACTOR, SET OFFS; COMPLETIONS; CORRECTION PERIOD

15.01 Progress Payments

SC-15.01 Add the following new Paragraph 15.01.B:

- B. Contractor's Application for Progress Payment shall be prepared on the EJCDC C-620 form provided in the Contract Documents.

SC-15.01 Delete Paragraph 15.01.D.1 in its entirety and insert the following in its place:

1. The Application for Payment with Engineer's recommendations will be presented to the Owner for consideration. If the Owner find the Application for Payment acceptable, the recommended amount less any reduction under the provisions of Paragraph 15.01.E will become due thirty (30) days after the Application for Payment is accepted by resolution of the City Council, and the Owner will make payment to the Contractor.

SC-15.01 Add the following new Paragraph 15.01.F:

- F. For contracts in which the Contract Price is based on the Cost of Work, if Owner determines that progress payments made to date substantially exceed the actual progress of the Work (as measured by reference to the Schedule of Values), or present a potential conflict with the Guaranteed Maximum Price, then Owner may require that Contractor prepare and submit

a plan for the remaining anticipated Applications for Payment that will bring payments and progress into closer alignment and take into account the Guaranteed Maximum Price (if any), through reductions in billings, increases in retainage, or other equitable measures. Owner will review the plan, discuss any necessary modifications, and implement the plan as modified for all remaining Applications for Payment.

SC-15.02.A Amend Paragraph 15.02.A by striking out the following text: “no later than seven days after the time of payment by Owner” and insert “no later than the time of payment by Owner.”

15.03 Substantial Completion

SC-15.03 Add the following new subparagraph to Paragraph 15.03.B:

1. If some or all of the Work has been determined not to be at a point of Substantial Completion and will require re-inspection or re-testing by Engineer, the cost of such re-inspection or re-testing, including the cost of time, travel and living expenses, will be paid by Contractor to Owner. If Contractor does not pay, or the parties are unable to agree as to the amount owed, then Owner may impose a reasonable set-off against payments due under this Article 15.

15.06 Final Payment

SC-15.06 Delete Paragraph 15.06.E in its entirety and insert the following in its place:

- E. *Final Payment Becomes Due:* Upon receipt from Engineer of the final Application for Payment and accompanying documentation, Owner shall set off against the amount recommended by Engineer for final payment any further sum to which Owner is entitled, including but not limited to set-offs for liquidated damages and set-offs allowed under the provisions of this Contract with respect to progress payments. Owner shall pay the resulting balance due to Contractor on or before thirty (30) days after completion and acceptance by resolution of the City Council of the final Application for Payment from Engineer.

15.08 Correction Period

SC-15.08 Add the following new Paragraph 15.08.G:

- G. The correction period specified as one year after the date of Substantial Completion in Paragraph 15.08.A of the General Conditions is hereby revised to be the number of years set forth in SC-6.01.B.1; or if no such revision has been made in SC-6.01.B, then the correction period is hereby specified to be four (4) years after Substantial Completion.

ARTICLE 16—SUSPENSION OF WORK AND TERMINATION

No Supplementary Conditions in this Article.

ARTICLE 17—FINAL RESOLUTIONS OF DISPUTES

SC-17.02 Add the following new paragraph immediately after Paragraph 17.01.

17.02 Attorneys' Fees

- A. For any matter subject to final resolution under this Article, the prevailing party shall be entitled to an award of its attorneys' fees incurred in the final resolution proceedings, in an equitable amount to be determined in the discretion of the court, arbitrator, arbitration panel, or other arbiter of the matter subject to final resolution, taking into account the parties' initial demand or defense positions in comparison with the final result.

ARTICLE 18—MISCELLANEOUS

No Supplementary Conditions in this Article.

ARTICLE 19—FEDERAL REQUIREMENTS

SC-19.01 Add Article 19 titled "FEDERAL REQUIREMENTS"

SC-19.02 Add Article 19.01 with the title "Conflict of Interest":

19.01 Conflict of Interest

- A. Contractor may not knowingly contract with a supplier or manufacturer if the individual or entity who prepared the plans and specifications has a corporate or financial affiliation with the supplier or manufacturer. Owner's officers, employees, or agents shall not engage in the award or administration of this Contract if a conflict of interest, real or apparent, would be involved. Such a conflict would arise when: (i) the employee, officer or agent; (ii) any member of their immediate family; (iii) their partner or (iv) an organization that employs, or is about to employ, any of the above, has a financial interest in Contractor. Owner's officers, employees, or agents shall neither solicit nor accept gratuities, favors or anything of monetary value from Contractor or subcontractors.

SC-19.03 Add Article 19.02 with the title "Gratuities":

Article 19.02 Gratuities

- A. If Owner finds after a notice and hearing that Contractor, or any of Contractor's agents or representatives, offered or gave gratuities (in the form of entertainment, gifts, or otherwise) to any official, employee, or agent of Owner in an attempt to secure this Contract or favorable treatment in awarding, amending, or making any determinations related to the performance of this Contract, Owner may, by written notice to Contractor, terminate this Contract. Owner may also pursue other rights and remedies

that the law or this Contract provides. However, the existence of the facts on which Owner bases such findings shall be an issue and may be reviewed in proceedings under the dispute resolution provisions of this Contract.

- B. In the event this Contract is terminated as provided in paragraph 19.02.A, Owner may pursue the same remedies against Contractor as it could pursue in the event of a breach of this Contract by Contractor. As a penalty, in addition to any other damages to which it may be entitled by law, Owner may pursue exemplary damages in an amount (as determined by Owner) which shall not be less than three nor more than ten times the costs Contractor incurs in providing any such gratuities to any such officer or employee.

SC-19.04 Add Article 19.03 with the title “Environmental Requirements”:

19.03 Environmental Requirements

- A. When constructing a Project involving trenching and/or other related earth excavations, Contractor shall comply with the following environmental conditions:
 - 1. Wetlands –When disposing of excess, spoil, or other construction materials on public or private property, Contractor shall not fill in or otherwise convert wetlands.
 - 2. Floodplains –When disposing of excess, spoil, or other construction materials on public or private property, Contractor shall not fill in or otherwise convert 100-year floodplain areas (Standard Flood Hazard Area) delineated on the latest Federal Emergency Management Agency Floodplain Maps, or other appropriate maps, e.g., alluvial soils on NRCS Soil Survey Maps.
 - 3. Historic Preservation – Any excavation by Contractor that uncovers an historical or archaeological artifact or human remains shall be immediately reported to Owner. Construction shall be temporarily halted pending the notification process and further directions issued by the State Historic Preservation Office (SHPO).
 - 4. Endangered Species – Contractor shall comply with the Endangered Species Act, which provides for the protection of endangered and/or threatened species and critical habitat. Should any evidence of the presence of endangered and/or threatened species or their critical habitat be brought to the attention of Contractor, Contractor will immediately report this evidence to Owner. Construction shall be temporarily halted pending the notification process and further directions issued by the U.S. Fish and Wildlife Service.
 - 5. Mitigation Measures – The following environmental mitigation measures are required on this Project: **None**.

EXHIBIT A— SOFTWARE REQUIREMENTS FOR ELECTRONIC DOCUMENT EXCHANGE

Item	Electronic Documents	Transmittal Means	Data Format	Note (1)
a.1	General communications, transmittal covers, meeting notices and responses to general information requests for which there is no specific prescribed form.	Email	Email	
a.2	Meeting agendas, meeting minutes, RFI's and responses to RFI's, and Contract forms.	Email w/ Attachment	PDF	(2)
a.3	Contractors Submittals (Shop Drawings, "or equal" requests, substitution requests, documentation accompanying Sample submittals and other submittals) to Owner and Engineer, and Owner's and Engineer's responses to Contractor's Submittals, Shop Drawings, correspondence, and Applications for Payment.	Email w/ Attachment	PDF	
a.4	Correspondence; milestone and final version Submittals of reports, layouts, Drawings, maps, calculations and spreadsheets, Specifications, Drawings and other Submittals from Contractor to Owner or Engineer and for responses from Engineer and Owner to Contractor regarding Submittals.	Email w/ Attachment or LFE	PDF	
a.5	Layouts and drawings to be submitted to Owner for future use and modification.	Email w/ Attachment or LFE	DWG	
a.6	Correspondence, reports and Specifications to be submitted to Owner for future word processing use and modification.	Email w/ Attachment or LFE	DOC	
a.7	Spreadsheets and data to be submitted to Owner for future data processing use and modification.	Email w/ Attachment or LFE	EXC	
a.8	Database files and data to be submitted to Owner for future data processing use and modification.	Email w/ Attachment or LFE	DB	
Notes				
(1)	All exchanges and uses of transmitted data are subject to the appropriate provisions of Contract Documents.			
(2)	Transmittal of written notices is governed by Paragraph 18.01 of the General Conditions.			
Key				
Email	Standard Email formats (.htm, .rtf, or .txt). Do not use stationery formatting or other features that impair legibility of content on screen or in printed copies			
LFE	Agreed upon Large File Exchange method (FTP, CD, DVD, hard drive)			
PDF	Portable Document Format readable by Adobe® Acrobat Reader Version 9.0 or later			
DWG	Autodesk® AutoCAD .dwg format Version 2015			
DOC	Microsoft® Word .docx format Version 2013			
EXC	Microsoft® Excel .xls or .xml format Version 2013			
DB	Microsoft® Access .mdb format Version 2013			

EXHIBIT B— FORESEEABLE BAD WEATHER DAYS

Month	Number of Foreseeable Bad Weather Days in Month Based on Precipitation as Rain Equivalent (inches) ≥1.67"	Ambient Outdoor Air Temperature (degrees F)	
		Number of Foreseeable Bad Weather Days in Month Based on Low Temperature (at 11:00 a.m.) ≤35°F	Number of Foreseeable Bad Weather Days in Month Based on High Temperature (at 3:00 p.m.) ≥85°F
January	0	31	0
February	0	29	0
March	7	31	0
April	12	12	0
May	20	0	0
June	22	0	0
July	22	0	0
August	20	0	0
September	17	0	0
October	13	6	0
November	8	30	0
December	0	31	0
Notes:			
1. Two inches of sleet equal one inch of rain. Five inches of wet, heavy snow equal one inch of rain. Fifteen inches of "dry" powder snow equals one inch of rain.			

ADDITIONAL FORMS

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CERTIFICATE OF SUBSTANTIAL COMPLETION

Owner: City of Marshalltown Owner's Project No.: SMW17001
Engineer: Engineer's Project No.:
Contractor: Contractor's Project No.:
Project: 4th Street and Meadow Lane Storm Sewer Enhancements.
Contract Name:

This ☐ Preliminary ☐ Final Certificate of Substantial Completion applies to:

☐ All Work ☐ The following specified portions of the Work:

[Describe the portion of the work for which Certificate of Substantial Completion is issued]

Date of Substantial Completion: **[Enter date, as determined by Engineer]**

The Work to which this Certificate applies has been inspected by authorized representatives of Owner, Contractor, and Engineer, and found to be substantially complete. The Date of Substantial Completion of the Work or portion thereof designated above is hereby established, subject to the provisions of the Contract pertaining to Substantial Completion. The date of Substantial Completion in the final Certificate of Substantial Completion marks the commencement of the contractual correction period and applicable warranties required by the Contract.

A punch list of items to be completed or corrected is attached to this Certificate. This list may not be all-inclusive, and the failure to include any items on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

Amendments of contractual responsibilities recorded in this Certificate should be the product of mutual agreement of Owner and Contractor; see Paragraph 15.03.D of the General Conditions.

The responsibilities between Owner and Contractor for security, operation, safety, maintenance, heat, utilities, insurance, and warranties upon Owner's use or occupancy of the Work must be as provided in the Contract, except as amended as follows:

Amendments to Owner's Responsibilities: ☐ None ☐ As follows:

[List amendments to Owner's Responsibilities]

Amendments to Contractor's Responsibilities: ☐ None ☐ As follows:

[List amendments to Contractor's Responsibilities]

The following documents are attached to and made a part of this Certificate:

[List attachments such as punch list; other documents]

This Certificate does not constitute an acceptance of Work not in accordance with the Contract Documents, nor is it a release of Contractor's obligation to complete the Work in accordance with the Contract Documents.

Engineer

By (*signature*): _____

Name (*printed*): _____

Title: _____

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NOTICE OF ACCEPTABILITY OF WORK

Owner: City of Marshalltown Owner's Project No.: SMW17001
Engineer: Engineer's Project No.:
Contractor: Contractor's Project No.:
Project: 4th Street and Meadow Lane Storm Sewer Enhancements.
Contract Name:
Notice Date: Effective Date of the Construction Contract:

The Engineer hereby gives notice to the Owner and Contractor that Engineer recommends final payment to Contractor, and that the Work furnished and performed by Contractor under the Construction Contract is acceptable, expressly subject to the provisions of the Construction Contract's Contract Documents ("Contract Documents") and of the Agreement between Owner and Engineer for Professional Services dated **[date of professional services agreement]** ("Owner-Engineer Agreement"). This Notice of Acceptability of Work (Notice) is made expressly subject to the following terms and conditions to which all who receive and rely on said Notice agree:

This Notice has been prepared with the skill and care ordinarily used by members of the engineering profession practicing under similar conditions at the same time and in the same locality.

This Notice reflects and is an expression of the Engineer's professional opinion.

This Notice has been prepared to the best of Engineer's knowledge, information, and belief as of the Notice Date.

This Notice is based entirely on and expressly limited by the scope of services Engineer has been employed by Owner to perform or furnish during construction of the Project (including observation of the Contractor's Work) under the Owner-Engineer Agreement, and applies only to facts that are within Engineer's knowledge or could reasonably have been ascertained by Engineer as a result of carrying out the responsibilities specifically assigned to Engineer under such Owner-Engineer Agreement.

This Notice is not a guarantee or warranty of Contractor's performance under the Construction Contract, an acceptance of Work that is not in accordance with the Contract Documents, including but not limited to defective Work discovered after final inspection, nor an assumption of responsibility for any failure of Contractor to furnish and perform the Work thereunder in accordance with the Contract Documents, or to otherwise comply with the Contract Documents or the terms of any special guarantees specified therein.

This Notice does not relieve Contractor of any surviving obligations under the Construction Contract, and is subject to Owner's reservations of rights with respect to completion and final payment.

Engineer

By (signature): _____

Name (printed): _____

Title: _____

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CONTRACTOR'S APPLICATION FOR PAYMENT

Owner:	City of Marshalltown	Owner's Project No.:	SMW17001
Engineer:		Engineer's Project No.:	
Contractor:		Contractor's Project No.:	
Project:	4th Street and Meadow Lane Storm Sewer Enhancements.		
Contract:			

Application No.: _____ **Application Date:** _____
Application Period: From _____ to _____

1. Original Contract Price	\$	-
2. Net change by Change Orders	\$	-
3. Current Contract Price (Line 1 + Line 2)	\$	-
4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)	\$	
5. Retainage		
a. _____ X \$ _____ Work Completed	\$	
b. _____ X \$ _____ Stored Materials	\$	
c. Total Retainage (Line 5.a + Line 5.b)	\$	
6. Amount eligible to date (Line 4 - Line 5.c)	\$	
7. Less previous payments (Line 6 from prior application)		
8. Amount due this application	\$	
9. Balance to finish, including retainage (Line 3 - Line 4)	\$	

Contractor's Certification

The undersigned Contractor certifies, to the best of its knowledge, the following:

- (1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
- (2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such liens, security interest, or encumbrances); and
- (3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor: _____
Signature: _____ **Date:** _____

Recommended by Engineer

By: _____
Title: _____
Date: _____

Approved by Owner

By: _____
Title: _____
Date: _____

Approved by Funding Agency

By: _____
Title: _____
Date: _____

By: _____
Title: _____
Date: _____

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Contractor's Application for Payment

Owner:	City of Marshalltown	Owner's Project No.:	SMW17001
Engineer:		Engineer's Project No.:	
Contractor:		Contractor's Project No.:	
Project:	4th Street and Meadow Lane Storm Sewer Enhancements.		
Contract:			

Application No.:	Application Period:	From	to	Application Date:
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A	B	C	D	E	F	G	H	I
Item No.	Description	Scheduled Value (\$)	Work Completed		Materials Currently Stored (not in D or E) (\$)	Work Completed and Materials Stored to Date (D + E + F) (\$)	% of Scheduled Value (G / C) (%)	Balance to Finish (C - G) (\$)
			(D + E) From Previous Application (\$)	This Period (\$)				
Original Contract								
Original Contract Totals		\$	\$	\$	\$	\$		\$
Change Orders								

Contractor's Application for Payment

Owner:	City of Marshalltown
Engineer:	
Contractor:	
Project:	4th Street and Meadow Lane Storm Sewer Enhancements.
Contract:	

Owner's Project No.: SMW17001

Engineer's Project No.: _____

Contractor's Project No.: _____

Application No.:	Application Period:	From	to	Application Date:
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A	B	C	D	E	F	G	H	I	J	K	L
Bid Item No.	Description	Contract Information				Work Completed		Materials Currently Stored (not in G) (\$)	Work Completed and Materials Stored to Date (H + I) (\$)	% of Value of Item (J / F) (%)	Balance to Finish (F - J) (\$)
		Item Quantity	Units	Unit Price (\$)	Value of Bid Item (C X E) (\$)	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) (\$)				
Original Contract											
Original Contract Totals					\$	\$	\$	\$	\$		\$
Change Orders											

Contractor's Application for Payment

Owner:	City of Marshalltown	Owner's Project No.:	SMW17001
Engineer:		Engineer's Project No.:	
Contractor:		Contractor's Project No.:	
Project:	4th Street and Meadow Lane Storm Sewer Enhancements.		
Contract:			

Application No.: _____ **Application Period:** **From** _____ **to** _____ **Application Date:** _____

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CHANGE ORDER NO.: [#]

Owner: City of Marshalltown Owner's Project No.: SMW17001
 Engineer: Engineer's Project No.:
 Contractor: Contractor's Project No.:
 Project: 4th Street and Meadow Lane Storm Sewer Enhancements.
 Contract Name:
 Date Issued: Effective Date of Change Order:

The Contract is modified as follows upon execution of this Change Order:

Description:

[Description of the change]

Attachments:

[List documents related to the change]

Change in Contract Price	Change in Contract Times [State Contract Times as either a specific date or a number of days]
Original Contract Price: \$ _____	Original Contract Times: Substantial Completion: _____ Ready for final payment: _____
[Increase] [Decrease] from previously approved Change Orders No. 1 to No. [Number of previous Change Order] : \$ _____	[Increase] [Decrease] from previously approved Change Orders No.1 to No. [Number of previous Change Order] : Substantial Completion: _____ Ready for final payment: _____
Contract Price prior to this Change Order: \$ _____	Contract Times prior to this Change Order: Substantial Completion: _____ Ready for final payment: _____
[Increase] [Decrease] this Change Order: \$ _____	[Increase] [Decrease] this Change Order: Substantial Completion: _____ Ready for final payment: _____
Contract Price incorporating this Change Order: \$ _____	Contract Times with all approved Change Orders: Substantial Completion: _____ Ready for final payment: _____

Recommended by Engineer (if required) By: _____ Title: _____ Date: _____ Authorized by Owner By: _____ Title: _____ Date: _____	Accepted by Contractor _____ _____ Approved by Funding Agency (if applicable) _____ _____ _____
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FIELD ORDER NO.: [FO#]

Owner: City of Marshalltown Owner's Project No.: SMW17001
Engineer: Engineer's Project No.:
Contractor: Contractor's Project No.:
Project: 4th Street and Meadow Lane Storm Sewer Enhancements.
Contract Name:
Date Issued: Effective Date of Field Order:

Contractor is hereby directed to promptly perform the Work described in this Field Order, issued in accordance with Paragraph 11.04 of the General Conditions, for minor changes in the Work without changes in Contract Price or Contract Times. If Contractor considers that a change in Contract Price or Contract Times is required, submit a Change Proposal before proceeding with this Work.

Reference:

Specification Section(s):

Drawing(s) / Details (s):

Description:

[Description of the change to the Work]

Attachments:

[List documents supporting change]

Issued by Engineer

By: _____

Title: _____

Date: _____

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MARSHALLTOWN STANDARD SPECIFICATIONS AS AMENDED WITH THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS TO THE IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS)

These Supplemental Specifications amend or supplement the Statewide Urban Design and Standards (SUDAS) and other provisions of the Contract Documents. All provisions which are not so amended or supplemented remain in full force and effect.

The terms used in these Supplemental Specifications will have the meanings indicated in SUDAS. The Supplemental Specifications are provided in the same order and format as the SUDAS documents.

**PREPARED BY:
PUBLIC WORKS/ENGINEERING DEPARTMENT
CITY OF MARSHALLTOWN
24 N. CENTER STREET
MARSHALLTOWN, IOWA 50158**

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DIVISION 1 – GENERAL PROVISIONS AND COVENANTS

(DELETE) SECTION 1010 – DEFINITIONS (SUDAS)

**(DELETE) SECTION 1020 - PROPOSAL REQUIREMENTS AND
CONDITION (SUDAS)**

**(DELETE) SECTION 1030 - APPROVAL FOR AWARD AND AWARD OF
CONTRACT (SUDAS)**

(DELETE) SECTION 1040 - SCOPE OF WORK (SUDAS)

(DELETE) SECTION 1050 - CONTROL OF WORK (SUDAS)

(DELETE) SECTION 1060 - CONTROL OF MATERIALS (SUDAS)

**(DELETE) SECTION 1070 - LEGAL RELATIONS AND RESPONSIBILITY
TO THE PUBLIC (SUDAS)**

(DELETE) SECTION 1080 - PROSECUTION AND PROGRESS (SUDAS)

**(ADD) OFFICIAL NOTICE OF HEARING AND LETTING (CITY OF
MARSHALLTOWN).**

**(ADD) EJCDC C 200 INSTRUCTIONS TO BIDDERS FOR
CONSTRUCTION CONTRACT.**

(ADD) EJCDC C 410 BID FORM FOR CONSTRUCTION CONTRACT.

(ADD) EJCDC C 430 BID BOND (PENAL SUM FORM).

(ADD) EJCDC C 451 QUALIFICATIONS STATEMENT.

(ADD) EJCDC C 510 NOTICE OF AWARD.

**(ADD) EJCDC C 520 AGREEMENT BETWEEN OWNER AND
CONTRACTOR FOR CONSTRUCTION CONTRACT (STIPULATED
SUM).**

(ADD) EJCDC C 550 NOTICE TO PROCEED.

(ADD) EJCDC C 610 PERFORMANCE BOND.

(ADD) EJCDC C-615 PAYMENT BOND.

(ADD) EJCDC C 612 WARRANTY BOND.

**(ADD) EJCDC C 700 STANDARD GENERAL CONDITIONS OF THE
CONSTRUCTION CONTRACT.**

**(ADD) EJCDC C 800 SUPPLEMENTARY CONDITIONS OF THE
CONSTRUCTION CONTRACT.**

(ADD) EJCDC C 625 CERTIFICATE OF SUBSTANTIAL COMPLETION.

(ADD) EJCDC C 626 NOTICE OF ACCEPTABILITY OF WORK.

(ADD) EJCDC C 620 CONTRACTOR'S APPLICATION FOR PAYMENT.

(ADD) EJCDC C 940 WORK CHANGE DIRECTIVE.

(ADD) EJCDC C 941 CHANGE ORDER.

(ADD) EJCDC C 942 FIELD ORDER.

PART II – TECHNICAL SPECIFICATIONS

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SECTION 01 11 00 - SUMMARY OF WORK (ADD)

PART 1 - GENERAL

1.01 GENERAL CONDITIONS AND SUPPLEMENTARY CONDITIONS

The General Conditions and the Supplementary Conditions which are attached to the specifications shall govern the work of all persons engaged in the performance of the contract and shall form a part of the contract.

1.02 DEFINITIONS

- A. The definitions shall be as presented in the General Conditions, Supplementary Conditions and as supplemented herein.
- B. "Project Engineer," "Engineer," "Architect" – Marshalltown Public Works Engineering Department, with a mailing address of 24 N. Center Street, Marshalltown, Iowa 501581; telephone number: (641) 754-5734.
- C. "Owner" or "City" – City of Marshalltown, Iowa, as represented by its proper authorities and with the mailing address of 24 N. Center Street, Marshalltown, Iowa 50158.
- D. "Written Notice" - Written notice or order shall be deemed to have been duly served if delivered in person to the individual, to a member of the firm, or to an officer of the corporation for whom it is intended or if delivered at or sent by registered mail to the last known address of the addressee.

1.03 ARRANGEMENTS OF DETAILED SPECIFICATIONS AND DRAWINGS

- A. The detailed specifications arrangement is based upon the 2014 CSI and SUDAS Standard Specification format and incorporates the following Divisions:
 - 1. Division 1 - General Requirements
 - 2. Division 2 – Earthwork
 - 3. Division 3 – Trench and Trenchless Construction
 - 4. Division 4 – Sewers and Drains
 - 5. Division 6 – Structures for Sanitary and Storm Sewer
 - 6. Division 7 - Streets and Related Work
 - 7. Division 8 – Traffic Control
 - 8. Division 9 – Site Work and Landscaping
 - 9. Division 10 - Demolition
 - 10. Division 11 – Miscellaneous
- B. The contract drawings or plans, which depict the contract work of the project and upon which the contract is based are those drawings or sheets listed on Sheet 1 of the drawings.

- C. The drawings referred to above are supplemented by drawings bound in this book of specifications and by additional shop and dimension drawings to be prepared by the Contractor as set forth in the specifications.
- D. Division of Work as made by the contract drawings and specifications is for the purpose of specifying all work, which is required. There is no attempt to make complete classification according to trade or any agreements, which may exist between Contractors or groups of contractors and trade unions. Such division and classification of the work shall be the Contractor's responsibility. Refer to the General Conditions.

1.04 LOCATION OF THE WORK

The work under this contract is located in Marshalltown, Iowa in Marshall County, Iowa, on properties for which easements and/or title have been obtained by the Owner.

1.05 WORK BY OTHERS

Refer to the General and Supplementary Conditions.

1.06 CONTRACTOR'S RESPONSIBILITIES AND DUTIES

A. General:

1. Each Contractor must satisfy himself by personal examination of each site as to all local conditions affecting the performance of his contract. The Contractor is deemed to accept such conditions as found to exist.
2. All construction activities shall be confined within the areas shown on the drawings. Construction easements, as needed, have been obtained by the Owner. If additional area is needed, it shall be the Contractor's responsibility to obtain said area.

B. Continuous Operation:

1. The Contractor must receive the approval of the Owner prior to any scheduled intermittent, partial or complete shut-down of the existing facilities.
2. Each Contractor shall note that the Owner must continue the operation of the existing wastewater collection facilities.
3. Each Contractor shall schedule all required work so as to minimize the interruption of the continuous operation of the existing facilities and functions.
4. When it is necessary to take a certain portion of the existing facilities or systems out of service, the Contractor shall submit to the Engineer a description of the procedure and schedule of the work proposed. The schedule and procedure shall be reviewed and approved by the Engineer and the Owner prior to commencement of these operations.
5. Under any emergency condition or where partial shutdown of the existing facilities is involved, the modifications and connections shall be pursued on a 24-hour-per-day basis and 7 days per week schedule to minimize disruption of service unless otherwise provided in the technical specifications. The

Contractor shall provide at no additional cost to the Owner all temporary connections, parallel temporary lines or bypasses as may be required.

6. All materials shall be on the job and ready for installation for these items. All arrangements, measurements and planning shall be done in advance of taking existing facilities out of service.

C. Existing Underground Utilities:

1. Iowa One Call Locates: 1-800-292-8989
2. Water Lines: One Call – Marshalltown Water Works – Shelli Lovall
3. Sanitary Sewer: One Call – City of Marshalltown
4. Gas Lines: One Call – Alliant Energy / Consumers Energy
5. Electrical: One Call – Alliant Energy / Consumers Energy
6. Telephone/Cable: One Call – Century Link/Windstream/Mediacom.

D. Existing Structures:

1. The requirements relating to existing structures shall be as per the General Conditions and as supplemented herein.
2. Each Contractor shall take complete field measurements affecting all existing construction, wiring, piping, and equipment in this contract, and he shall be solely responsible for proper fit between his work and existing structures and other equipment. He shall examine all work to which he will connect; and if any misalignment is found, he shall so arrange his work that the misalignment is corrected to the satisfaction of the Engineer.

- E. Dimensions given on the drawings related to the existing structures are based on existing construction drawings, and it shall be the responsibility of the Contractor to verify the accuracy of these dimensions. Any discrepancies shall be brought to the attention of the Engineer prior to start of new construction.

- F. Each Contractor will be held responsible for any damage to existing structures, work, materials, or equipment because of his operations and shall repair or replace any damaged structures, work, materials, or equipment to the satisfaction of, and at no additional cost to, the Owner.

- G. Each Contractor shall be responsible for all damage to streets, roads, curbs, sidewalks, highways, shoulders, ditches, embankments, culverts, bridges, or other public or private property, which may be caused by transporting equipment, materials, or men to or from work. The Contractor shall make satisfactory and acceptable arrangements with the agency having jurisdiction over the damaged property concerning its repair or replacement.

1.07 UNFAVORABLE CONSTRUCTION CONDITIONS:

During unfavorable weather, wet ground, or other unsuitable construction conditions, the Contractor shall confine his operations to work, which will not be affected adversely thereby. No portion of the work shall be constructed under conditions,

which would affect adversely the quality efficiency thereof, unless special means or precautions are taken by the Contractor to perform the work in a proper and satisfactory manner.

1.08 PRESERVATION OF MONUMENTS AND STAKES:

- A. Refer to the General Conditions and the Supplementary Conditions.
- B. In case of his destruction thereof, the Contractor will be charged with the expense of replacement and shall be responsible for any mistake or loss of time that may be caused. The Contractor shall furnish materials and assistance for the proper replacement of such monuments or bench marks.

1.09 METHODS OF OPERATION:

- A. Each Contractor shall inform the Engineer in advance concerning his plans for carrying on each part of the work, but the contractor alone shall be responsible for the safety, adequacy, and efficiency of his plant, equipment, and methods.
- B. Any method of work suggested by the Owner or Engineer, but not specified, shall be used at the risk and responsibility of the Contractor. The Engineer and Owner will assume no responsibility therefore.
- C. Review by the Owner or Engineer of any plan or method of work proposed by the Contractor shall not relieve the Contractor of any responsibility therefor, and such review shall not be considered as an assumption of any risk or liability by the Owner, Engineer, or any officer, agent, or employee thereof. The Contractor shall have no claim on account of the failure or inefficiency of any plan or method so reviewed.

1.10 CONDUCT OF WORK:

- A. Each Contractor shall observe that the Owner reserves the right to do other work in connection with the project or adjacent thereto by contract or otherwise, and he shall at all times conduct his work so as to impose no hardship on the Owner or others engaged in the work, nor cause any unreasonable delay or hindrance thereto.
- B. Each Contractor shall be responsible to others engaged in the work or work adjacent thereto for all damage or injury to work, to persons or property, or for loss caused by failure to finish the work within the specified time for completion. He shall adjust, correct, and coordinate his work with the work of others so that no discrepancies shall result in the whole work.
- C. The work of this contract includes the furnishing and necessary installation of all tools, machinery, scaffolds, false work, forms and centers for the execution of the work, except as may be otherwise specified. Equipment provided shall be adequate. The Contractor shall obtain all necessary measurements for the work and shall check dimensions, levels, and construction and layout and supervise the construction for correctness of all of which he shall be responsible.
- D. Where work of one trade joins to, or is on other work, there shall be no discrepancy when the work is completed. The Contractor must anticipate relation

of all parts of the work, and at the proper time provide and set required anchors and blocking. Anchors, blocking, sleeves, and inserts necessary for each trade shall be a part of same except where stated otherwise. Assistance required by the Engineer in obtaining measurements or information on the work shall be furnished accurately and fully by the Contractor without additional cost to the Owner.

- E. The work of this contract includes the furnishing and necessary operation of all tools and machinery for the execution of the work, except as may be otherwise specified. Equipment provided shall be in good condition and adequate for the work performed. The Contractor shall obtain all necessary measurements for the work, and shall check dimensions, levels, and construction layout. The Contractor shall supervise the construction for correctness of all work, which he/she shall be responsible.

1.11 PARTIAL OWNER OCCUPANCY

- A. If portions of the facilities will be in operation before final construction is completed, the Owner reserves the right to utilize the facilities in the manner for which they were designed. This continued operation shall in no way indicate final acceptance prior to completion of the project.
- B. Refer also to the General Conditions and the Supplementary Conditions.

1.12 PERMITS AND REGULATIONS

Refer to the General Conditions and the Supplementary Conditions.

END OF SECTION

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SECTION 01 20 00 - MEASUREMENT AND PAYMENT (ADD)

PART 1 - GENERAL

1.01 GENERAL

- A. The General Provisions of the Contract, including General and Supplementary Conditions shall apply to the Work covered in this Section.
- B. The intention of the Proposal Form is to include full compensation for all labor, materials, equipment, supervision, and other incidental items necessary for the performing of and completion of the items of work in place, in accordance with the Contract Documents for payment therefore, and also to include all work which may be reasonably inferable from the Contract Documents as being necessary to produce the intended results. All items of work necessary to produce the intended results NOT specifically contained in the Proposal Form shall be considered incidental work to the Proposal Form item without allowance for separate, additional compensation.
- C. All cost of all work described in Division 1, unless otherwise specified shall be considered incidental, with no separate measurement or payment.

PART 2 - PRODUCTS - NOT USED

PART 3 - EXECUTION

3.01 MEASUREMENT

- A. The determination of final quantities of Work performed under the Contract will be made by the Engineer, based upon measurements made by him or his assistants. Measurement of completed work shall be in units as shown on the Proposal Form for unit price items or completion of Work items listed and shown on the accepted schedule of values for lump sum items.
- B. The Contractor shall participate in the measurement of completed Work unless otherwise agreed.
- C. Specific differences in measurement or classification of Work are to be resolved at the time of measurement.
- D. All measurements shall be completed on a regular basis.

3.02 APPLICATION FOR PAYMENT

- A. The Contractor shall prepare and submit progress payment requests on forms provided by or approved by the Owner.
- B. All submissions shall be made in accordance with the requirements of the General Conditions and Supplementary Conditions as hereinafter modified:
 - 1. Modifications: NONE

3.03 PAYMENT

A. All payments shall be made in accordance with the requirements of the Contract Documents, General Conditions and Supplementary Conditions as hereinafter modified:

1. Modifications: NONE

B. Payment will be made in accordance with the respective unit or lump sum prices as shown on the Proposal Form.

3.04 PAYMENTS TO BE WITHHELD

All payments due the Contractor including payment for stored material shall be subject to retainage and withholding due to uncompleted work in accordance with the provisions of the Contract Documents, General Conditions and Supplementary Conditions as hereinafter modified:

A. Modifications: NONE

3.05 PAYMENT ITEMS

Payment items shall be as listed on the Proposal Form.

END OF SECTION

SECTION 01 25 00 - SUBSTITUTIONS (ADD)

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

The general provisions of the Contract, including General Conditions and Supplementary Conditions shall apply to the Work covered in this Section.

1.02 SCOPE

This section provides a description of the general requirements for the submission, review, and acceptance of substitute items of material and equipment.

PART 2 - PRODUCTS - NOT USED

PART 3 - EXECUTION

3.01 GENERAL

- A. The procedures for requesting and reviewing substitute items of material and equipment shall be as required by the Instructions to Bidders, General Conditions and as supplemented herein.
- B. The Contractor shall be responsible for all costs that will result directly and indirectly from the acceptance of the substitute.

END OF SECTION

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SECTION 01 31 13 - COORDINATION (ADD)

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. The general provisions of the contract, including General Conditions and Supplementary Conditions shall apply to the work covered in this Section.
- B. Related requirements specified elsewhere.
 - 1. Summary of Work - Section 01 11 00
 - 2. Project Meetings and Job Site Administration - Section 01 31 19.

1.02 SCOPE AND DESCRIPTION

This section describes the general coordination required between each of the Contractors and the Owner. This section is not intended to cover every item or aspect of the necessary coordination.

PART 2 - PRODUCTS - NOT USED

PART 3 - EXECUTION

3.01 GENERAL

- A. All Contractors or subcontractors working on specific portions of the project shall schedule and conduct their Work as not to impede unnecessarily any Work being done by others on or adjacent to his Work.
- B. Each Contractor and Subcontractor shall be responsible for coordinating his Work with the appropriate representative of the Owner to avoid or minimize any interruption of the functions and facilities of said agency.

3.02 SITE WORK COORDINATION

- A. The location of all facilities, structures, piping and related appurtenances, both temporary and final shall be coordinated among Contractors, the Owner, and the Engineer.
- B. It shall be the responsibility of each Contractor to initiate the procedures necessary to coordinate his work with that of other Contractors and the Owner.
- C. Contractors completing initial Work shall temporarily cap piping and mark the location of all buried piping to facilitate completion of final Work.

PART 4 - MEASUREMENT AND PAYMENT

4.01 METHOD OF MEASUREMENT

Coordination is considered incidental Work with no separate measurement to be made.

4.02 BASIS OF PAYMENT

Coordination is considered incidental Work with no separate payment to be made.

END OF SECTION

SECTION 01 31 19 – PROJECT MEETINGS AND JOB SITE ADMINISTRATION (ADD)

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. The general provisions of the Contract, including General Conditions and Supplementary Conditions shall apply to the Work covered in this Section.
- B. Related requirements specified elsewhere:
 - 1. Coordination: Section 01 31 13

1.02 SCOPE

The intent of this Section is to provide a general description of the project meetings required of the Contractor.

PART 2 - PRODUCTS - NOT USED

PART 3 - EXECUTION

3.01 GENERAL

- A. All meetings shall be coordinated among the respective Contractors, Owner, Engineer and governmental agencies.
- B. The individual requesting the meeting shall contact the persons to be in attendance in writing providing the following:
 - 1. Date, time and place of the meeting
 - 2. Purpose of the meeting
 - 3. Names of people invited to the meeting
 - 4. Additional information as necessary

3.02 PRECONSTRUCTION CONFERENCE

- A. The Engineer will arrange and schedule a pre-construction conference with the representatives of the contractors, subcontractors, together with representatives of all agencies and utilities that will be involved with the proposed Work in order to assure an efficient and workable method of scheduling the project.
- B. General topics to be covered are as follows:
 - 1. Contract and Legal Documents and Specifications
 - 2. Drawings
 - 3. General construction requirements
 - 4. Coordination of different contractors
 - 5. Pay request procedure
 - 6. Shop drawing submittal

7. Project observation and testing
8. Coordination with affected governmental agencies and utility companies.

3.03 PROGRESS MEETINGS

Routine progress meetings will be scheduled on a basis and time to be selected by mutual agreement between the Owner, the Contractors, the Engineer, and affected governmental agencies. These meetings shall be to discuss the progress and the planning of the Work of the various parties. This meeting shall be under the direction of the Engineer and shall be attended by representatives of the various contractors and subcontractors whose Work may be in progress at the time or whose presence may be required for any purpose. Contractors shall be represented at these meetings as appropriate to assist in the necessary project scheduling and discussion of related problems. Scheduling of required attendance shall meet with the approval of the Engineer.

3.04 JOB SITE ADMINISTRATION

- A. All job site administration will be handled by the Owner and Engineer.
- B. All review of payrolls, compliance reports and compliance requirements of the Federal agencies involved shall be administered by and are the responsibility of the Owner.

PART 4 - MEASUREMENT AND PAYMENT

4.01 METHOD OF MEASUREMENT

Progress meetings and administration are considered incidental Work with no separate measurement to be made.

4.02 BASIS OF PAYMENT

Progress meetings and administration are considered incidental Work with no separate payment to be made.

END OF SECTION

SECTION 01 33 23 - SHOP DRAWINGS, PRODUCT DATA AND SAMPLES (ADD)

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. The general provisions of the Contract, including General and Supplementary Conditions as supplemented herein, shall apply to the work covered in this Section.

1.02 SCOPE

This Section covers the submission, review and distribution requirements of shop drawings, product data and samples.

PART 2 - PRODUCTS

2.01 SHOP DRAWINGS

The shop drawings submitted for review shall contain at a minimum all information as required by the General Conditions and as hereinafter required:

- A. Additional information as specified in the individual technical specifications.
- B. All shop drawings and materials shall be identified by reference to specification section and/or drawing detail number.
- C. Minimum drawing size shall be 8-1/2" x 11".

2.02 PRODUCT DATA

- A. Manufacturer's standard schematic drawings shall be identified by reference to Section number and modified to delete information, which is not applicable to the Work. Standard information shall be supplemented to provide additional information applicable to the Work.
- B. Manufacturer's catalog sheets, brochures, diagrams, schedules, performance charts, illustrations and other standard descriptive data that are submitted for review shall be clearly marked to identify pertinent materials, products or models, show dimensions and clearances required, show performance characteristics and capacities, and show wiring diagrams and controls.

2.03 SAMPLES

All samples submitted for review shall be identified by reference to section number and shall provide all information as required by the General Conditions of the Contract Documents.

PART 3 - EXECUTION

3.01 SHOP DRAWING AND PRODUCT DATA

- A. The review and submittal process for shop drawings and product data shall be in accordance with the requirements of the General Conditions:
- B. Shop drawings may be submitted in digital PDF format for review by the Engineer. Shop drawings will be returned digitally.
- C. All shop drawings shall be submitted through the prime Contractor and be accompanied by a letter of transmittal. The prime Contractor shall approve all shop drawings before transmitting them for approval.
- D. All shop drawings shall be submitted and approved prior to installation with no exceptions.
- E. All resubmittals of shop drawings shall be in accordance with 3.01 A through D.

3.02 SAMPLES

- A. Submit in accordance with the requirements of the General Conditions a minimum of four (4) samples of materials, finishes, colors, etc., as identified in the technical specifications for review.
- B. If the Contractor requires more than two (2) samples of material to be returned, additional samples shall be submitted.

PART 4 - MEASUREMENT AND PAYMENT

4.01 METHOD OF MEASUREMENT

Shop drawings, product data and samples are considered incidental Work with no separate measurement to be made.

4.02 BASIS OF PAYMENT

Shop drawings, product data and samples are considered incidental Work with no separate payment to be made.

END OF SECTION

SECTION 01 35 13 - SPECIAL PROJECT PROCEDURES (ADD)

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. The general provisions of the Contract, including General and Supplementary Conditions apply to the Work specified in this Section.
- B. The provisions of the Storm Water Discharge Permit normally issued by the Iowa Department of Natural Resources (IDNR) to the Marshalltown, Iowa under General Permit No. 2 shall apply to all portions of the work.
- C. The provisions of the Temporary Dewatering Permit (if required) normally issued by the IDNR to the Contractor under General Permit 9 (GP9) covers dewatering discharges to surface waters of the state and to the ground surface. Contractor may need to file a notice of intent.
- D. The provisions of the U. S. Army Corps of Engineers Nationwide Permit #14 Linear Transportation Projects shall apply to all portions of the work.

1.02 SCOPE

- A. This Section identifies the special project conditions and procedures required by the above referenced permits.
- B. The Contractor shall be responsible for implementing and conforming to all special project procedures and requirements as identified herein.

PART 2 - PRODUCTS - NOT USED

PART 3 - EXECUTION

3.01 STORM WATER DISCHARGE PERMIT REQUIREMENTS

- A. For information regarding the requirements of the General Permit No. 2, the permit information may be found at <https://www.iowadnr.gov/Portals/idnr/uploads/water/npdes/gp2.pdf> and <https://www.iowadnr.gov/Portals/idnr/uploads/water/stormwater/guidanceno2.pdf?ver=2019-06-26-092224-590> on the Iowa Department of Natural Resources web site.
- B. The Contractor shall prepare a Storm Water Pollution Prevention Plan as per Section 9040 and be required to complete and submit a Notice of Intent for Coverage Under General Permit No. 2.

3.02 TEMPORARY DEWATERING PERMIT REQUIREMENTS

In the event a Temporary Dewatering Permit is required, the Contractor shall be responsible for making application for the necessary permit. For information regarding the need for and requirements of a Temporary Dewatering Permit, the information may be found at: <http://www.iowadnr.gov/LinkClick.aspx?fileticket=m-nVfGXIYP0%3d&portalid=3>

3.03 CORPS OF ENGINEERS 404 PERMIT REQUIREMENTS

U. S. Army Corps of Engineers Nationwide Permit #14 Linear Transportation Projects shall apply to all work on this project. The requirements of the permit are provided below:

- A. Linear Transportation Projects. Activities required for crossings of waters of the United States associated with the construction, expansion, modification, or improvement of linear transportation projects (e.g., roads, highways, railways, trails, airport runways, and taxiways) in waters of the United States. For linear transportation projects in non-tidal waters, the discharge cannot cause the loss of greater than 1/2-acre of waters of the United States. For linear transportation projects in tidal waters, the discharge cannot cause the loss of greater than 1/3-acre of waters of the United States. Any stream channel modification, including bank stabilization, is limited to the minimum necessary to construct or protect the linear transportation project; such modifications must be in the immediate vicinity of the project.
- B. This NWP also authorizes temporary structures, fills, and work, including the use of temporary mats, necessary to construct the linear transportation project. Appropriate measures must be taken to maintain normal downstream flows and minimize flooding to the maximum extent practicable, when temporary structures, work, and discharges, including cofferdams, are necessary for construction activities, access fills, or dewatering of construction sites. Temporary fills must consist of materials, and be placed in a manner, that will not be eroded by expected high flows. Temporary fills must be removed in their entirety and the affected areas returned to Pre-construction elevations. The areas affected by temporary fills must be revegetated, as appropriate.
- C. This NWP cannot be used to authorize non-linear features commonly associated with transportation projects, such as vehicle maintenance or storage buildings, parking lots, train stations, or aircraft hangars.
- D. Notification: The permittee must submit a pre-construction notification to the district engineer prior to commencing the activity if: (1) The loss of waters of the United States exceeds 1/10-acre; or (2) there is a discharge in a special aquatic site, including wetlands. (See general condition 32.) (Authorities: Sections 10 and 404)
- E. Note 1: For linear transportation projects crossing a single waterbody more than one time at separate and distant locations, or multiple waterbodies at separate and distant locations, each crossing is considered a single and complete project for purposes of NWP authorization. Linear transportation projects must comply with 33 CFR 330.6(d).
- F. Note 2: Some discharges for the construction of farm roads or forest roads, or temporary roads for moving mining equipment, may qualify for an exemption under section 404(f) of the Clean Water Act (see 33 CFR 323.4).
- G. Note 3: For NWP 14 activities that require pre-construction notification, the PCN must include any other NWP(s), regional general permit(s), or individual permit(s)

used or intended to be used to authorize any part of the proposed project or any related activity, including other separate and distant crossings that require Department of the Army authorization but do not require Pre-construction notification (see paragraph (b) of general condition 32). The district engineer will evaluate the PCN in accordance with Section D, "District Engineer's Decision." The district engineer may require mitigation to ensure that the authorized activity results in no more than minimal individual and cumulative adverse environmental effects (see general condition 23).

PART 4 - MEASUREMENT AND PAYMENT

4.01 METHOD OF MEASUREMENT

Permits are considered incidental Work with no separate measurement to be made.

4.02 BASIS OF PAYMENT

No additional compensation shall be made for costs of applying for or complying with the provisions of any Permit, if required. All costs associated with the application for and compliance with shall be considered incidental to the project cost.

END OF SECTION

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SECTION 01 45 00 - QUALITY CONTROL (ADD)

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. The general provisions of the Contract, including General and Supplementary Conditions shall apply to the Work covered in this Section.
- B. Specific requirements are also presented in the detailed sections of these specifications.

1.02 SCOPE

This Section is intended to describe the Contractor's responsibilities regarding quality control.

PART 2 - PRODUCTS - NOT USED

PART 3 - EXECUTION

3.01 TESTING LABORATORY SERVICES

- A. The Owner/Engineer will provide field testing of concrete materials. All other testing will be the responsibility of the Contractor.
- B. The Contractor shall employ and arrange for, at his expense, the services of an approved independent testing laboratory, satisfactory to the Owner and Engineer, to perform the tests or inspections utilizing recognized standard procedures and criteria.
- C. The Contractor shall submit reports and certificates of all inspections and tests in triplicate to the Engineer. The reports and certificates shall become the property of the Owner.
- D. The Contractor shall furnish all sample materials required for these tests and shall deliver same to the testing laboratory or other designated agency when and where directed by them.
- E. Any additional tests necessary beyond these required under this specification may be ordered by the Engineer to settle disagreements with the Contractor regarding quality of work done. If the Work is defective, the Contractor shall pay all costs of the extra tests and shall correct the Work. If Work is satisfactory, Owner will pay for extra tests.

3.02 FACTORY TESTS

- A. Factory tests of mechanical and electrical equipment relative to performance, capacity, rating, efficiency, function, or special requirements shall be conducted in the factory or shop for each item when this type of test is specified and/or required by the Engineer. These tests shall be performed in accordance with applicable standards and test codes.

- B. Factory tests shall be set up and accomplished by the equipment manufacturer who shall provide all shop space, tools, equipment, instruments, personnel, and other facilities required for the satisfactory completion of each test.
- C. Factory tests may be witnessed by representatives of the Owner and such witnessing, unless otherwise specified in the technical specifications, will be paid for by the Owner.
- D. Where factory tests are required or specified for process equipment under other headings of this specification, reports of the test results shall be submitted to the Engineer for review prior to shipment of the equipment.

3.03 FIELD TESTS

Refer to the General Conditions, Supplementary Conditions, and the Technical Specifications.

PART 4 - MEASUREMENT AND PAYMENT

4.01 METHOD OF MEASUREMENT

Quality control is considered incidental Work with no separate measurement to be made.

4.02 BASIS OF PAYMENT

Quality control is considered incidental Work with no separate payment to be made.

END OF SECTION

SECTION 01 50 00 - TEMPORARY FACILITIES (ADD)

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

The general provisions of the Contract, including General and Supplementary Conditions shall apply to the Work covered in this Section.

1.02 SCOPE

This section describes the temporary facilities to be provided by the Contractor during the Work.

1.03 PAYMENT

Refer to Section 01 20 00 - Measurement and Payment

PART 2 - PRODUCTS - NOT USED

PART 3 - EXECUTION

3.01 TEMPORARY ELECTRICAL

It will be the Contractor's responsibility to make arrangements for, provide, obtain, and pay for temporary construction power as required for lighting and construction needs.

3.02 TEMPORARY WATER

- A. It will be the Contractor's responsibility to provide, obtain and pay for all water required for potable consumption and construction, flushing, testing, disinfection and other needs as may be required.
- B. All potable water facilities shall conform to the Federal, State, and Local health regulations.

3.03 TEMPORARY SANITARY FACILITIES

- A. The Contractor shall provide and maintain in a sanitary condition, suitable temporary toilet facilities on the site for use by all persons. Temporary sanitary facilities shall be removed from the site when no longer necessary.
- B. Each temporary toilet shall be equipped, constructed, and maintained in a manner that will conform to the applicable Federal, State and local regulations and requirements.
- C. Provisions for routinely servicing and cleaning all toilets and disposing of the sewage shall be established before placing toilet facilities into operation. The method of sewage disposal and location selected shall be in accordance with Federal, State, and Local health regulations.

3.04 ROADS

- A. Each Contractor shall maintain the existing roads in usable condition during his construction of the facilities.
- B. The Contractor shall obtain the approval of the appropriate township, county, state, or federal officials prior to constructing any temporary roads. All construction shall conform to the requirements of said officials.

3.05 SIGNS

No signs, billboards, or other advertisements shall be erected on the premises by the General Contractor or the subcontractors without Engineer's permission. Each General Contractor shall furnish and maintain all necessary temporary signs required for the prosecution of the Work such as "Office," "Men," "Danger," "High Voltage," etc.

3.06 TEMPORARY ENCLOSURES, LIGHTING, AND HEAT

- A. Each Contractor shall provide temporary enclosures and closures in order to retain heat so that specified temperatures can be maintained and the Work can proceed. He shall provide temporary closures over wall and floor openings, etc., to enclose the Work. Temperature inside the enclosures and/or enclosed part or parts of the structure shall be; not less than 60 degrees F for 48 hours prior to and during the time when and where concrete work, cement finish, or masonry work are being done or cured; not less than 50 degrees F where only other trades, such as electricians, plumbers, etc., are working.
- B. Each contractor shall pay for any additional temporary heating facilities necessary to meet the above requirements, and the fuel, and the attendance required, until the structure is enclosed.
- C. Each Contractor shall provide all temporary lighting as may be required to illuminate the Work area.
- D. The lighting shall meet all safety codes and regulations. Lighting shall be not less than 20-foot candles. Additional light shall be installed for hazardous areas, for security applications, and for construction processes where visual acuity is required.
- E. All temporary lighting and power shall use UL approved devices and all systems shall meet safety requirements of the National Electrical Code and other applicable ordinances.

3.07 TEMPORARY FENCES/GATES

- A. The Contractor shall be required to utilize all existing gates and fence openings so far as practical during the construction process.
- B. All existing fences, which interfere with the Work, shall be maintained by the Contractor unless permission is obtained in writing from the tenant to dismantle the fence for any agreed period of time. Where temporary gates are required, they shall be kept closed at all times.

- C. On completion of the Work across any tract of land, the Contractor shall restore all fences to their original or to a better condition and quality as approved by the Owner and the tenant. New material to replace all materials lost, damaged, or destroyed shall be purchased and installed as required.
- D. Temporary gates installed by the Contractor in any fence line may be left in place with the permission of the Owner and tenant of such fence.
- E. All gates shall be left in the condition found, open or closed. If any doubt arises, gates shall be closed.
- F. All loss of livestock due to negligence shall be the responsibility of the contractor.

3.08 TEMPORARY OPERATIONS

When it becomes necessary to utilize temporary pumping or other mechanical arrangements during construction, the Contractor shall provide qualified supervision at the plant site at all times. The Contractor shall be fully responsible for the operation and maintenance of all temporary equipment and all associated costs shall be included in the prices bid.

3.09 SITE CLEANUP

- A. Each Contractor shall clean the working area each day, shall remove all trash and waste materials, and shall maintain the site in a neat and orderly condition throughout the construction period.
- B. At the completion of the project, each Contractor shall clean out all pits, pipes, chambers, or conduits; shall remove all temporary structures built by him; and shall remove all rubbish from the areas which he has occupied, leaving them in a clean condition.

PART 4 -MEASUREMENT AND PAYMENT

4.01 METHOD OF MEASUREMENT

- A. Temporary facilities are considered incidental Work with no separate measurement to be made.
- B. Refer to Section 01 52 13 - Field Offices and Sheds

4.02 BASIS OF PAYMENT

Temporary facilities are considered incidental Work with no separate payment to be made.

END OF SECTION

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SECTION 01 57 00 - TEMPORARY CONTROLS (ADD)

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

The general provisions of the Contract, including General and Supplementary Conditions shall apply to the Work covered on this Section.

1.02 SCOPE

This section is intended to describe the temporary controls to be provided by the Contractor.

PART 2 - PRODUCTS - NOT USED

PART 3 - EXECUTION

3.01 GENERAL

The Contractor shall be responsible for maintaining the site and environment at an acceptable standard throughout the duration of the project.

3.02 NOISE CONTROL

Each Contractor shall maintain all equipment, particularly the muffling systems on internal combustion engines, so that acceptable noise levels are not exceeded. Each Contractor shall make every effort to locate noise-producing equipment in areas where the sound will be least offensive. Sound barriers are to be provided if needed.

3.03 DUST CONTROL

Each Contractor will provide dust control operations at the time, location, and in such manner that will prevent, or at least minimize, the production of dust in a harmful or annoying amount. Water or dust preventative shall be used for dust control as required.

3.04 WATER CONTROL

- A. Each Contractor shall make the appropriate provisions for the proper drainage of the site. Standing pools of surface water and excavations shall be drained as soon as practical. Disposal of said water shall be in accordance with all applicable local, state, and federal laws and regulations.
- B. Flushing water or water pumped from dewatering of various elements of the Work which may be necessary during construction shall be conducted by temporary pipelines or wood or metal flumes away from the work area to natural drainageways. Flushing or drainage shall not be conducted in such a manner as to cause erosion or flooding of adjacent land not owned or controlled by the Owner, except by special permission in writing by the Owner and affected land owner.

- C. The Contractor shall assure that water discharged to any location during construction does not damage the natural environment or wildlife. The Contractor shall be responsible for any environmental damage which results from his activities.

3.05 EROSION AND SEDIMENT CONTROL - See Section 9040.

PART 4 - MEASUREMENT AND PAYMENT

4.01 METHOD OF MEASUREMENT

- A. Temporary controls are considered incidental Work with no separate measurement to be made.
- B. See Section 9040 for Erosion Control.

4.02 BASIS OF PAYMENT

- A. Temporary controls are considered incidental Work with no separate payment to be made.
- B. See Section 9040 for Erosion Control.

END OF SECTION

SECTION 01 77 00 - CLOSEOUT PROCEDURES (ADD)

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

The general provisions of the Contract, including General and Supplementary Conditions shall apply to the Work covered in this Section.

1.02 SCOPE

This Section is intended to describe the procedures and Contractor's responsibilities for substantial and final completion of the Work and final closeout of the Project.

PART 2 - PRODUCTS - NOT USED

PART 3 - EXECUTION

3.01 CLEANUP

- A. The requirements shall conform to the General Conditions and as supplemented herein.
- B. The Contractor shall leave the site clean and ready for occupancy by the Owner. Early acceptance of process equipment shall not waive cleanup prior to final acceptance.
- C. Flushing water or water pumped from dewatering of various elements of the Work which may be necessary during construction shall be conducted by temporary pipelines or wood or metal flumes away from the work area to natural drainage ways. Flushing or drainage shall not be conducted in such a manner as to cause erosion or flooding of adjacent land not owned or controlled by the Owner, except by special permission in writing by the Owner and affected landowner.
- D. The Contractor shall assure that water discharged to any location during construction does not damage the natural environment or wildlife. The Contractor shall be responsible for any environmental damage that results from his activities.
- E. Each Contractor shall provide cleaning of all surfaces, systems, and fixtures, including removal of labels, tags, grease, oil, dirt stains, etc., prior to final acceptance of the work.

3.02 PROJECT RECORDS

- A. All documents shall be filed in a neat, orderly manner, which allows ready access and inspection.
- B. All documents shall be available to Engineer and shall be delivered to him for the Owner upon completion of the project. Quality and completeness of all drawings and records must be such that the Engineer may accurately transfer the information to a complete set of drawings of construction records.

3.03 FINAL INSPECTION

- A. After the cleaning up of the work, premises, manholes, and all other areas and structures connected with the performance of the contract, the work as a whole shall be inspected by the Engineer, and any workmanship or materials found not meeting the requirements of the specifications shall be removed by and at the expense of the Contractor and good and satisfactory workmanship or material substituted therefore. All settlement, defects, or damage upon any part of the work shall be remedied and made good by the Contractor.
- B. The Contractor shall submit written requests to the Owner for final inspections for all or any portion of the Project if acceptable to the Owner.
- C. The final inspection shall be scheduled at times such that the Engineer, Contractor, Owner, representatives of all applicable governing agencies and the Resident Project Representative shall have an opportunity to be in attendance.
- D. Any costs and expenses incurred by the Engineer or Resident Project Representative in conducting additional inspections due to the Contractor's knowingly misrepresenting the project or any portion thereof as being ready for final inspection shall be compensated for by the Contractor prior to final payment.
- E. Any deficiencies identified after the final inspection and acceptance, such as backfill settlement, shall be considered after the fact and shall be recognized as maintenance under the Contractor's maintenance requirements.
- F. Refer also to the General Conditions and Supplementary Conditions for the procedures covering requests for final inspection, application for payments, etc.

3.04 GUARANTEE

- A. Refer to the Contract Documents, General Conditions, and Supplementary Conditions.
- B. Guarantee on equipment placed into operation prior to final acceptance shall start from the date of written acceptance by the Engineer and Owner.
- C. The Contractor shall be responsible for any and all damage claims filed with or court actions brought against the Owner for an on account of any damage(s) directly or indirectly caused by said backfill settlement or erosion.
- D. The Contractor shall make or cause to be made all necessary backfill replacement and repairs or replacement appurtenant thereto, within seven (7) days from and after due notification by the Owner or Engineer of backfill settlement or erosion and resulting damage at any designated location(s). Such replacements and repairs shall be made immediately upon due notification by the Engineer or Owner if the settlement or erosion is of a nature to endanger life or property.
- E. It is understood the repairs, due to faulty workmanship or materials, shall be covered by the Performance and Maintenance Bond. However, a break in the pipeline shall be deemed an emergency and must be repaired immediately. The Contractor, prior to leaving the project, shall have an understanding and

agreement by signed letter or appropriate entry in the Owner's minutes as to the procedure for making said emergency repairs and notification to the Contractor.

3.05 LIENS

- A. Refer to the General Conditions, Supplementary Conditions, and Specific Project Requirements.
- B. Neither the final payment nor any part of the retained percentage shall become due until the Contractor shall deliver to the Owner a complete release of all liens arising out of this Contract, or receipts in lieu thereof; and, if required in either case, an affidavit that so far as he has knowledge or information, the releases and receipts include all the labor and materials for which a lien can be filed. But Contractor may, if any subcontractor refuses to furnish a release or receipt in full, furnish a bond satisfactory to the Owner to indemnify the Owner against any claim by lien or otherwise. If any lien and/or claim remains unsatisfied after all payments are made, the Contractor shall refund to the Owner all moneys that the latter may be compelled to pay in discharging such lien and/or claim, including all costs and attorney's fees.

PART 4 - MEASUREMENT AND PAYMENT

4.01 METHOD OF MEASUREMENT

All costs incurred by the contractor for the execution of the Work specified herein are considered incidental Work with no separate measurement made.

4.02 BASIS OF PAYMENT

All costs incurred by the contractor for the execution of the Work specified herein are considered incidental Work with no separate payment made.

END OF SECTION

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DIVISION 2 - EARTHWORK

SECTION 2010 – EARTHWORK, SUBGRADE, AND SUBBASE

PART 1 - GENERAL

1.03 through 1.07: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

PART 2 - MATERIALS

2.04 FOUNDATION MATERIALS

5. Geogrid:

- a. **(DELETE) Rectangular or Square:** ~~Use an integrally formed grid structure manufactured of a stress-resistant polypropylene material. Use Type 1 geogrid, unless Type 2 is specified. Meet the following minimum physical properties:~~

Table 2010.02: Geogrid (Rectangular or Square)

Property	Test Method	Units	Type 1 ¹	Type 2
Aperture stability modulus at 20 kg-cm	Kinney ² – 01	kg-cm/deg	3.2	6.5
Minimum true initial modulus in use				
Machine direction (MD)	ASTM D 6637	lb/ft	15,080	32,890
Cross Machine direction (CMD)			20,560	44,725
Tensile strength, 2% strain				
MD	ASTM D 6637	lb/ft	270	410
CMD			380	590
Junction efficiency	GRI-GG2-87	%	93	93
Flexural rigidity	ASTM D 1388	mg-cm	250,000	750,000
Aperture size				
Minimum	N/A	in.	0.5	0.5
Maximum			2.0	2.0

¹ ~~Geogrids meeting the requirements of Iowa DOT Article 4196.01, B and Materials I.M. 496.01 will be acceptable.~~

² ~~Dr. Thomas C. Kinney, P.E. and US Army Corps of Engineers.~~

- c. (ADD) Triangular geogrid shall be required on all streets and roadways. Geogrid shall be TriAx® TX140 Geogrid or approved equal.

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DIVISION 3 - TRENCH AND TRENCHLESS CONSTRUCTION

SECTION 3010 - TRENCH EXCAVATION AND BACKFILL

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

PART 3 – EXECUTION

3.06 (REVISE) PIPE BEDDING AND BACKFILL SEE DIVISION 4

SECTION 3020 - TRENCHLESS CONSTRUCTION (BORING, JACKING, AND TUNNELING)

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

PART 2 – PRODUCTS

2.01 CARRIER PIPE

A. Carrier Pipe Installed within Casing Pipe:

- 1. Sanitary Sewer Gravity Main:** (DELETE) ~~Comply with Section 4010, 2.01.~~
 - a. (ADD) All gravity piping installed in an encasement pipe or installed by boring shall be restrained joint pipe.
 - b. (ADD) Pipe and couplings shall be made from unplasticized PVC compounds meeting ASTM D2241 and have a minimum cell classification of 12454, as defined in ASTM D1784. Pipe joints shall meet the standards of ASTM D3212 and have elastomeric gaskets conforming to ASTM F477.
 - c. (ADD) Nominal outside diameters and wall thicknesses of thrust-restrained pipe shall conform to the requirements of ASTM D2241, SDR 21 pipe. Pipe shall be furnished in standard lengths of 10 or 20 feet. All pipe shall be marked with the following: Nominal pipe size, material code designation, DR, pressure rating, manufacturer's name or trademark, NSF seal and ASTM numbers.
 - d. (ADD) Pipe shall be joined:

- 1) (ADD) Using non-metallic couplings to form an integral system for maximum reliability and interchangeability. High-strength, flexible thermoplastic splines shall be inserted into mating, precision machined grooves in the pipe and coupling to provide full 360° restraint with evenly distributed loading.
- 2) (ADD) Push-Together restraint system with internal steel locking ring providing uniform circumferential contact.
- e. (ADD) Pre-Approved piping includes Certa-Flo® PVC Gravity Sewer Pipe with Certa-Lok® Restrained Joints, and Integral Bell; or Engineer approved equal.

2. Sanitary Sewer Force Main:

- b. Restrained Joint PVC Pipe: (DELETE) ~~Comply with Section 4010, 2.02.~~
 - 1) (ADD) All pressure piping installed in encasement pipe or installed by boring shall be restrained joint pipe.
 - 2) (ADD) Pipe and couplings shall be made from unplasticized PVC compounds having a minimum cell classification of 12454-B, as defined in ASTM D1784. The compound shall qualify for a Hydrostatic Design Basis (HDB) of 4000 psi for water at 73.4°F, in accordance with the requirements of ASTM D2837.
 - 3) (ADD) Nominal outside diameters and wall thicknesses of thrust-restrained pipe shall conform to the requirements of AWWA C900, DR18 pipe. Pipe shall be furnished in standard lengths of 20 feet. All pipe shall be marked with the following: Nominal pipe size, material code designation, DR, pressure rating, manufacturer's name or trademark, NSF seal and ASTM numbers.
 - 4) (ADD) Pipe shall be joined:
 - a) (ADD) Using non-metallic couplings to form an integral system for maximum reliability and interchangeability. High-strength, flexible thermoplastic splines shall be inserted into mating, precision machined grooves in the pipe and coupling to provide full 360° restraint with evenly distributed loading.
 - b) (ADD) Push-Together restraint system with internal steel locking ring providing uniform circumferential contact.
 - 7) (ADD) Couplings shall be designed for use at or above the rated pressures of the pipe with which they are utilized and shall incorporate twin elastomeric sealing gaskets meeting the requirements of ASTM F477. Joints shall be designed to meet the leakage test requirements of ASTM D3139.
 - 8) (ADD) Pre-Approved restrained joint piping is: Certa-Lok C900/RJ, C905/RJ piping; Diamond Lok-21; Eagle Loc900; or Engineer approved equal.

5. (DELETE) ~~Water Main:~~

- a. (DELETE) ~~Restrained Joint Ductile Iron Pipe: Comply with Section 5010, 2.01.~~
- b. (DELETE) ~~Restrained Joint PVC Pipe: Comply with Section 5010, 2.01.~~

B. Carrier Pipe Installed without a Casing Pipe:

1. Sanitary Sewer Gravity Main:

- b. (DELETE) ~~Vitrified Clay Pipe: Comply with Section 4010, 2.01.~~
- d. Restrained Joint PVC Pipe: Comply with (DELETE) Section 4010, 2.02 (ADD) 2.01.

2. Sanitary Sewer Force Main:

- b. Restrained Joint PVC Pipe: Comply with (DELETE) Section 4010, 2.02 (ADD) 2.01.

4. (DELETE) ~~Water Main:~~

- a. (DELETE) ~~Restrained Joint Ductile Iron Pipe: Comply with Section 5010, 2.01.~~
- b. (DELETE) ~~Restrained Joint PVC Pipe: Comply with Section 5010, 2.01.~~

2.02 CASING PIPE

D. (ADD) PVC Encasement Pipe:

- 1. (ADD) Meet the requirements of 2.02 for force main C900, DR 18 rated pipe.
- 2. (ADD) PVC encasement pipe shall be furnished with gasket joints conforming to ASTM D3139. Rubber gaskets shall conform to the requirement of ASTM F477.
- 3. (ADD) Minimum inside diameter as specified in the contract documents. If diameter is not specified, use a minimum inside casing diameter of at least 4 inches greater than the largest outside diameter of the carrier pipe, including pipe bells.

2.03 CASING SPACERS

- C. (ADD) Casing spacers will be required on all gravity sewer piping and on force main piping where encasement piping exceeds 20 feet in length.

2.06 CASING END SEAL

- C. (ADD) Casing end seals are required on all encasement pipes.

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DIVISION 4 - SEWERS AND DRAINS

SECTION 4010 - SANITARY SEWERS

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1—General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

1.08 MEASUREMENT AND PAYMENT

M. (ADD) Ductile Iron Fittings and Restraining Devices:

1. **Measurement:** Each fitting and/or restraining device installed, including gaskets and fasteners, will be counted.
2. **Payment:** Payment will be made at the unit price for each fitting and/or restraining device installed.

1.09 (ADD) ACCEPTANCE CHECKLIST & MAINTENANCE BOND

Prior to final acceptance of the work, the contractor shall file with the City Clerk of the City of Marshalltown a maintenance bond guaranteeing suitable repairs of any defects or failures due to deficiencies in materials or inadequacies in workmanship for a period of 4 years for all improvements following completion of construction. The bond shall be for a sum equal to the total amount of the project. The contractor shall also file with the City Engineer all other required acceptance checklist items including testing/inspection forms, lateral construction forms, as-built drawings, construction costs and engineering certificate of completion forms. The acceptance checklist and warranty bond form are provided at end of section.

PART 2 - PRODUCTS

2.01 SANITARY SEWER (Gravity Mains)

A. Solid Wall Polyvinyl Chloride Pipe (PVC) 8 inch to 15 inch:

1. Comply with ASTM D 3034, SDR 26, (DELETE) ~~unless SDR 35 is specified.~~
2. Pipe stiffness per ASTM D 2412.
 - b. (DELETE) ~~SDR 35: Minimum pipe stiffness of 46 psi.~~

C. Corrugated Polyvinyl Chloride Pipe (PVC) 8 inch to 36 inch:

5. (ADD) This pipe shall not be used without prior approval by Engineer.

D. Closed Profile Polyvinyl Chloride Pipe (PVC) 21 inch to 36 inch:

5. (ADD) This pipe shall not be used without prior approval by Engineer.

E. Polyvinyl Chloride Composite Pipe (truss type PVC) 8 inch to 15 inch:

5. (ADD) This pipe shall not be used without prior approval by Engineer.

F. Reinforced Concrete Pipe (RCP) 18 inch to 144 inch:

3. (ADD) This pipe shall not be used without prior approval by Engineer.

H. Vitrified Clay Pipe (VCP) 8 inch to 42 inch:

4. (ADD) This pipe shall not be used without prior approval by Engineer.

I. Double Walled Polypropylene Pipe 12 inch to 30 inch:

4. (ADD) This pipe shall not be used without prior approval by Engineer.

J. Triple Walled Polypropylene Pipe 30 inch to 36 inch:

4. (ADD) This pipe shall not be used without prior approval by Engineer.

2.02 SANITARY SEWER FORCE MAINS

A. Ductile Iron Pipe (DIP) 4 inch to 54 inch: Comply with the DIP requirements in Section 4010, 2.01. ~~(DELETE) If joint restraints are specified, comply with Section 5010, 2.03.~~

B. Polyvinyl Chloride Pipe (PVC): ~~(DELETE) Comply with the requirements in Section 5010, 2.01 for PVC pipe.~~ Provide restrained joints when specified.

1. (ADD) Polyvinyl chloride pipe 4-inches to 24-inches shall be C 900, DR 18 rated pipe.
2. (ADD) Polyvinyl chloride pipe 2-inches to 3-inches shall be pressure Class 200, SDR 21 rated pipe.
3. (ADD) The pipe shall be made from Type 1, Grade 1, Class 12454-B compounds conforming to ASTM D 1784 with a hydrostatic design basis (HDB) of 4,000 psi as per ASTM D 2837.
4. (ADD) All pipe shall be marked with the following: Nominal pipe size, material code designation, DR, pressure rating, manufacturer's name or trademark, NSF seal and ASTM numbers. All sanitary sewer force main pipes shall be installed with a locating tape to distinguish force main sewer from potable water.
5. (ADD) The PVC pipe shall be furnished in 20-foot laying lengths. Longer lengths will be allowed only if the Contractor certifies that he will provide equipment on the project to fully support the pipe while being transported and distributed over the project.
6. (ADD) All PVC pipe shall be furnished with gasket joints conforming to ASTM D 3139. Rubber gaskets shall conform to the requirement of ASTM F 477.
7. (ADD) The ends of the pipe to be inserted into couplings or joints shall be factory marked to allow field checking of the depth of setting of the pipe in the joint socket.

C. Sewage Air Release Valve: (ADD) See Part 2.07.

1. ~~(DELETE) General: Consists of an elongated tapered or conical body and a float to operate (open and close) under pressure without spillage. Provide~~

~~valves suitable for pressures up to 150 psi. Use a float with a linkage connection to the seal plug assembly to prevent irregular air release and protect the connecting rod. Ensure the bottom of the valve body is sloped or funnel-shaped to encourage the accumulated sewage and solids to drain from the valve. Preserve a volume of air at all times between the liquid sewage and the seal plug assembly. Provide a flushing port with attachments for backwashing.~~

2. (DELETE) Materials:

a. (DELETE) Body and Cover:

- 1) (DELETE) Stainless Steel: ASTM A 351.
- 2) (DELETE) Cast Iron: ASTM A 126, Grade B.
- 3) (DELETE) Ductile Iron: ASTM A 536, Grade 65-45-12. 4) Other corrosion-resistant materials.

b. (DELETE) Internal Metal Components: Stainless steel.

c. (DELETE) Float: Stainless steel, ASTM A 240, Type 304 or Type 316, or foamed polypropylene.

d. (DELETE) Seal Plug Assembly: Stainless steel, foamed polypropylene, EPDM rubber, Nitrile (Buna-N) rubber, and reinforced nylon.

3. (DELETE) Tapping Saddle: Stainless steel or nylon.

4. (DELETE) Pit: Construct according to Figure 4010.202.

D. Tracer Wire: (DELETE) Comply with Section 5010, 2.05. (RETAIN) Tracer wire will be required on all force mains (ADD) and sewer services extending from the main to the property line.

1. (ADD) Tracer wire shall be 12-gauge solid copper or high strength stainless steel wire with a 45-mil polyethylene coating. Provide sufficient length to be continuous over each separate run of nonmetallic pipe.
2. (ADD) The splice kit shall be an inline resin splice kit with split bolt (1 kV and 5 kV) for use with single conductor and unshielded cable splices in direct bury and submersible applications.
3. (ADD) The ground rods shall be a 3/8 inch diameter, 60 inch steel rod uniformly coated with metallically bonded electrolytic copper.
4. (ADD) Wire shall be connected with a high-strength, corrosion-resistant copper alloy ground rod clamp.

E. Tracer Wire Station:

1. (DELETE) ~~Two internal terminals with shunt.~~
2. (DELETE) ~~Five to six foot plastic post (color as specified by the Jurisdiction).~~
3. (DELETE) ~~Removable top cap with lock.~~
4. (DELETE) ~~Decals indicating "Sewer Force Main" or similar language.~~

1. (ADD) All tracer wires are to be connected to a cast iron or ABS/PVC tamper proof tracer wire access box. The cover is to be manufactured of cast iron and ABS/PVC components produced in the USA. Cast iron collar & cover is to be manufactured in accordance with ASTM A48 Class 25. The ABS is to be manufactured in accordance with ASTM D1788. The cover shall be lettered "Sewer" and shall have a standard AWWA size cast-in pentagonal bolt. Box will be a minimum of 3 inches in diameter.
2. (ADD) Tracer Wire Access Box shall be Valvco Pipe Tracer Wire Terminal Box or Engineer approved equal.

2.04 SANITARY SEWER SERVICE

E. Service Pipe: Use products as required by local plumbing code or regulations, if applicable. Otherwise, use the following:

1. PVC:
 - b. PVC plastic meeting ASTM D 1784, Cell Classification 12454. (ADD) (Rigid PVC or CPVC).

2.06 SANITARY SEWER CLEANOUT

A. Comply with (DELETE) ~~Figure 4010.203~~ (ADD) MP-4.

2.07 (ADD) AIR RELEASE AND COMBINATION VALVES

A. Sewage Air Release Valves:

1. Sewage Air Release Valves shall release accumulated air (gases) from the system while it is under pressure and operating. The valve's design will enable the separation of the liquid from the sealing mechanism and assures optimum working conditions.
2. The valve shall incorporate an air-gap separation between the sewage and sealing mechanism. This will be obtained by a single float. The valve will operate with working pressures of 0.2 – 10 bar. The valve shall withstand 230-psi test.
3. All internals shall be easily removed without removing the main valve from the lines.
4. The valve inlet shall be 2 inch N.P.T. All fittings to connect to force main shall be brass or stainless steel. A two (2) inch ball valve will be installed below the valve to allow for removal of valve without shutting down the system. Ball valve will be brass or stainless steel.
5. The body shall be Reinforced Nylon Composite, Cast Iron, Steel or Stainless Steel. Cast iron and steel valves shall be coated with a fusion bonded epoxy.
6. Internal metal materials shall be stainless steel. Float shall be a foamed polypropylene material.
7. The sewage air release valve shall be as manufactured by A.R.I. Flow Control Accessories Models S-025 or S-020 or Engineer approved equal.

B. Combination Valves

1. Combination Valves shall have three components:
 - a. Air & vacuum component discharges large volumes of air during filling of the system.
 - b. Air & vacuum component admits large volumes of air during drainage and at water column separation.
 - c. The air release component releases entrapped air in pressurized systems.
2. The valve's design will enable the separation of the liquid from the sealing mechanism and assures optimum working conditions.
3. The valve shall incorporate an air-gap separation between the sewage and sealing mechanism. This will be obtained by a single float. The valve will operate with working pressures of 0.5 – 10 bar. Valves with working pressures lower than 0.5 bar and higher than 10 bar will be allowed. The valve shall withstand a minimum 215-psi test.
4. All internals shall be easily removed without removing the main valve from the lines.
5. The valve inlet shall be 2 inch N.P.T. All fittings to connect to force main shall be brass or stainless steel. A two (2) inch ball valve will be installed below the valve to allow for removal of valve without shutting down the system. Ball valve will be brass or stainless steel.
6. The body shall be Reinforced Nylon Composite, Cast Iron, Steel or Stainless Steel. Cast iron and steel valves shall be coated with a fusion bonded epoxy.
7. Internal metal materials shall be stainless steel. Float shall be a foamed polypropylene material.
8. The combination valve shall be as manufactured by A.R.I. Flow Control Models D-025, D-025L, D-26 or Engineer approved equal.

C. Tapping Saddle:

1. The body shall be made of high strength ductile iron per ASTM A536.
2. The clamping band shall be a double wide band with 5/8" UNC threaded bolts of 18-8 type 304 stainless steel with stainless steel spring tension washers under the nuts.
3. The gasket shall be EPDM rubber per ASTM-D2000.
4. The finish on saddle body shall be fusion bonded epoxy coating approximately 12 mils thick.
5. Pre-Approved saddles are as manufactured by: Ford Meter Box Co., style FC202; JCM Industries, Inc., Model No. 406; Mueller Company, DR 2; Style 202NS as manufactured by Romac Industries; or Engineer approved equal.

D. Construct Air Release/Combination Valve manhole in accordance with MP-3 details.

2.08 (ADD) GRAVITY PVC PIPE FITTINGS

- A. Repair couplers, tees, wyes, and bends for Polyvinyl Chloride (PVC) gravity pipe fittings shall be manufactured from the same material as piping.
- B. Gaskets for elastomeric joints shall conform to the requirements of ASTM F477.
- C. Solvent Cement for solvent weld joints shall conform to the requirements of ASTM Specification D2564 and shall be applied in conformance with ASTM D2855. Solvent weld joints will be allowed on PVC cleanout risers only.
- D. Sewer "Wyes" for service connections on new sewer piping shall be in-line sewer wyes. Saddle wyes will not be permitted for use without permission from Engineer.
- E. Sewer "Wyes" for existing piping connections shall be: Romac "CB" Sewer Saddle by Romac Industries Inc.; Inserta-Tee by Fowler Manufacturing Co.; or Engineer approved equal.

2.09 (ADD) TRANSITION COUPLINGS (GRAVITY PIPING)

A. Gasket:

- 1. Manufactured to meet the material requirements of:
 - a. CSA B602 - mechanical couplings for drain, waste, vent pipe and sewer pipe
 - b. ASTM D5926 - Standard Specification for Poly Vinyl Chloride (PVC) Gaskets for Drain, Waste, and Vent (DWV), Sewer, Sanitary, and Storm Plumbing Systems
 - c. ASTM C1173 - Standard Specification for Flexible Transition Couplings for Underground Piping Systems

B. Clamps

- 1. Manufactured to the requirements of CSA B602
- 2. Clamp Housing 301 Stainless Steel
- 3. Clamp Band 301 Stainless Steel
- 4. Clamp Screw 305 Stainless Steel
- 5. Installation Torque 60 in-lbs

C. Shear Ring

- 1. 0.012" Thick, 300 Series Stainless Steel
- 2. Width manufactured according to coupling width (1.50", 2.13", or 4")
- 3. Length manufactured according to coupling diameter
- 4. Clamps spot welded in place

D. Coupling

- 1. Manufactured to conform to the performance requirements of:

- a. ASTM C1173 - standard specification for flexible transition couplings for underground piping systems
 - b. CSA B602 - mechanical couplings for drain, waste, vent pipe and sewer pipe
 - c. Maximum test pressure: 4.3 PSI (29.6KPA)
 - d. Maximum operating temperature: 140° F non-consistent
- E. (ADD) Pre-Approved transition couplers are Strong Back RC Series Repair Couplings manufactured by Fernco Inc. or Engineer approved equal.

2.10 (ADD) FITTINGS FOR PVC FORCE MAIN PIPE

- A. All fitting shall be same materials as pipe supplied.
- B. Repair couplers and gaskets shall be pressure rated same as piping and meet the following specifications, standards and approvals:
- 1. NSF Standards 14 & 61
 - 2. ASTM D1784 materials
 - 3. ASTM D3139 joints
 - 4. DR 18 dimensions and pressure ratings per ASTM D2241 for C900 Pipe
 - 5. SDR 21 dimensions and pressure ratings per ASTM D2241 for pressure class 200 pipe
 - 6. ASTM F477 gaskets
- C. All other fittings for use on four (4) inches and larger PVC pipe will be ductile iron fittings conforming to the requirements of paragraph 2.01 above, with the exception of transition couplers as specified in paragraph 2.11.
- D. Fittings for use on 3" or smaller PVC pipe shall be gasket PVC push-on style fittings conforming to ASTM D2241, ASTM F477, and ASTM D3139. Fittings shall be made to the same quality as the piping furnished.

2.11 (ADD) TRANSITION COUPLINGS FOR FORCE MAIN PIPING

- A. The couplings used for transitions between piping of different materials shall be a wide-range flexible coupler with a sleeve type design meeting the requirements of AWWA C219.
- 1. The coupling body shall be a center sleeve fabricated of high strength carbon steel tubing equivalent to ANSI/AWWA C200. The transition couplers will be readily available in nominal diameter ranges from 1.5 to 24 inches on all pipe classes.
 - 2. Compression End Rings: One gasket compression end ring per coupling end. End rings to be of either one or two bolt designs, fabricated of carbon steel equivalent to ASTM A576. (One bolt per end in Nominal Size ranges of 2 to 12 inches and two bolts per end on the 16 to 24-inch nominal diameter coupling.)

3. Hydraulic Wide Range Gasket: Chloramine Resistant NSF-61 approved EPDM gasket designed with a multi-layered wide range removable outer layer. Gasket hydraulically actuated with a pressure-equalizing dam, pressure cavity and sealing lip for working pressure of 260 psi (1.5 to 16 inches) and 232 psi (18 to 24-inch nominal diameter coupling).
 4. Fasteners shall be grade 304 (A2) or 316 (A4) stainless steel with yield strengths that conform to all nationally recognized standards. Bolts to be coated with an anti-seize type coating to prevent galling.
 5. The interior and exterior coatings shall NSF-61 approved fusion bonded epoxy coating conforming to AWWA C213.
 6. When properly installed the coupling will provide a minimum deflection of 8 degrees, up to 260 psi working pressure and 3/8-inch longitudinal pipe movement without leakage. (Flanged adapters will provide half the longitudinal movement and deflection.)
 7. All products will be proof tested to a minimum of 1.5 times working pressure.
- B. Flanged couplers shall consist of one compression end and gasket, coupling center sleeve, and AWWA Class "D" Flange (per AWWA C207).
- C. Pre-Approved transition couplers are: Hymax-2000 Series wide range coupling; Hymax-2100 Series wide range flanged coupling adapter; "Macro" extended range coupling by Romac Industries, Inc.; or Engineer approved equal.

2.12 (ADD) FASTENERS

All fasteners in buried locations shall be Grade 304 (A2) or Grade 316 (A4) stainless steel. Anti-Seize shall be applied to all threads prior to installation.

2.13 (ADD) LUBRICANT FOR GASKETED PIPE

Lubricant shall be an emulsified polymer-based product, specifically formulated to be water-soluble without causing turbidity. Lubricant shall not transfer taste and/or odor to new water main installations. Lubricant must not promote bacterial growth and be safe for use on all metal and plastic pipes. Lubricant shall be easily flushed from the line and be non-reactive to chlorinated water. Lubricant should work easily on both wet and dry surfaces.

2.14 (ADD) POLYETHYLENE WRAP

All ductile fittings shall be wrapped with polyethylene plastic film having a minimum thickness of 0.008 inches or with a cross woven polyethylene plastic film having a minimum thickness of 0.004 inches.

2.15 (ADD) RESTRAINING DEVICES

- A. Restraint devices for use on ductile iron and C-900 PVC "push-on" joints shall be constructed of high strength ductile iron, ASTM A536, Grade 65-45-12 and shall incorporate machined serrations on the inside diameter to provide positive restraint, exact fit, and support of the pipe in an even and uniform manner. Bolts and connecting hardware shall be 304 (A2) or 316 (A4) Stainless Steel. All

devices shall have a safety factor of no less than 2:1 at the full rated pressure of the pipe on which it is installed. They shall be UL listed and Factory Mutual approved. Pre-Approved restraining devices are: Uni-Flange Block Buster Series 1390-C; Star Pipe Products Allgrip series 3600 and Pipe Restrainers Series 1200S; EBAA Iron, Inc. Mega-Lug Series 1700; or Engineer approved equal.

B. Restraint devices for use on mechanical joint to C-900 PVC, shall be constructed of high strength ductile iron, conforming to the requirements of ASTM A536, Grade 65-45-12, and shall incorporate machined serrations on the inside diameter to provide positive restraint, exact fit, and support of the pipe in an even and uniform manner. Bolts and connecting hardware shall be 304 (A2) or 316 (A4) Stainless Steel. All devices shall have a safety factor of no less than 2:1 at the full rated pressure of the pipe on which it is installed. They shall be UL listed and Factory Mutual approved. Pre-Approved restraining devices are: Uni-Flange Series 1500; Star Pipe Products, Allgrip Series 3600; Romac Industries, Inc GripRing; Romac Industries, Inc RomaGrip; EBAA Iron, Inc. Mega-Lug Series 2000; or Engineer approved equal.

C. Restraint devices for use on mechanical joint ductile iron, shall be constructed of high strength ductile iron, conforming to the requirements of ASTM A536, Grade 65-45-12, and shall incorporate machined serrations on the inside diameter to provide positive restraint, exact fit, and support of the pipe in an even and uniform manner. Bolts and connecting hardware shall be 304 (A2) or 316 (A4) Stainless Steel. All devices shall have a safety factor of no less than 2:1 at the full rated pressure of the pipe on which it is installed. They shall be UL listed and Factory Mutual approved. Pre-Approved restraining devices are: Uni-Flange Series 1300-C; Star Pipe Products, Allgrip Series 3600; Romac Industries, Inc. GripRing; EBAA Iron, Inc. Mega-Lug Series 1100; or Engineer approved equal.

2.16 (ADD) GATE VALVES

A. Gate valves shall be resilient wedge type manufactured to meet all applicable requirements of AWWA Standard for Resilient Seated Gate Valve C509 or C515.

B. All valves shall have non rising stems, opening by turning left and provided with standard 2-inch square nut operator (hand-wheel operator in manholes) with arrow cast in metal to indicate direction of opening.

C. Cast iron wedge shall have sealing surfaces of the wedge permanently bonded with resilient material to meet ASTM tests for rubber to metal bond ASTM D429. Each valve shall have a smooth unobstructed waterway free from any sediment pockets. Stuffing boxes shall be O Ring seal type with 2 rings located in stem above thrust collar. Low friction torque reduction thrust bearings shall be located both above and below the stem collar.

D. Body and cover bolts and nuts shall be Grade 304 (A2) or 316 (A4) stainless steel. Anti-Seize shall be applied to all threads prior to installation.

E. Exterior and interior coatings in accordance with ANSI/AWWA C550 for potable water.

- F. Non rising stems shall be in full compliance with AWWA specification with cast integral stem collar and furnished of bronze conforming to ASTM B584 Alloy A. Stem nuts shall be independent of wedge and shall be made of solid bronze conforming to ASTM B62.
- G. Valves shall have hydrostatic shell test of 400 psi and shut-off test of 200 psi. At the 200-psi shut-off test, valve must be bubble tight with a zero (0) leakage allowance.
- H. Resilient wedge gate valves shall be the product of a manufacturer having a minimum of five (5) years' experience in the manufacture of water works and distribution valves.
- I. Pre-Approved resilient wedge gate valves are as manufactured by: American Darling Valve Co.; Mueller Company; Clow Valve Division; American AVK Company; or Engineer approved equal.

2.17 (ADD) VALVE BOXES

- A. Valve boxes shall be cast iron, 5 1/4" inside diameter, adjustable valve boxes of the screw type with sufficient length for the pipe bury as shown. Where the valve box is shown or required on control manholes, the length shall be sufficient to penetrate the valve marker and the Type II reinforced manhole cover. The cast iron cover of the valve box shall have an arrow indicating the direction of opening.
- B. Covers for sewer piping shall have the word "SEWER" cast on the top.
- C. Pre-Approved valve boxes and covers are as manufactured by: Tyler Pipe Utilities Division; Mueller Co.; or Engineer approved equal.
- D. Each valve box shall be furnished with valve box centering adaptor compatible with the valve boxes furnished.

3.05 FORCE MAIN INSTALLATION

- A. General: ~~(DELETE) Install according to Section 5010.~~
 - 1. (ADD) The Contractor shall install restraining devices in accordance with the manufacturer's recommendations.
 - 2. (ADD) Restraining devices shall be installed on all mechanical joint fittings.
 - 3. (ADD) Joint restraining devices shall be installed on all joints within 30 feet of all fittings.
- B. Tracer Wire: (ADD) See 3.14 Below.
 - 1. Required for all force main installations and sanitary sewer services that extend from the main to the property line. ~~(DELETE) Comply with Section 5010.~~
 - 2. ~~(DELETE) Install tracer wire station at each end of the force main and at additional locations specified in the contract documents.~~
 - 3. ~~(DELETE) Bury end of tracer wire station 2 feet and compact.~~

3.10 SANITARY SEWER CLEANOUT

- A. Provide cleanouts where specified in the contract documents. Comply with
(DELETE) ~~Figure 4010.203~~ (ADD) Standard Detail MP-4.

3.12 CONFLICTS

- A. Horizontal Separation of Gravity Sewers from Water Mains: Separate gravity sewer mains from water mains by a horizontal distance of at least 10 feet unless:
3. When it is impossible to obtain the required horizontal clearance of 3 feet and a vertical clearance of 18 inches between sewers and water mains, the sewers must be constructed of water main materials meeting the requirements of **(DELETE)** ~~Section 5010, 2.01~~ **(ADD)** 2.02. However, provide a linear separation of at least 2 feet.
- B. Separation of Sewer Force Mains from Water Mains: Separate sewer force mains and water mains by a horizontal distance of at least 10 feet unless:
1. The force main is constructed of water main materials meeting a minimum pressure rating of 150 psi and the requirements of (DELETE) ~~Section 5010, 2.01~~ (ADD) 2.02 and

3.14 (ADD) TRACER WIRE INSTALLATION

- A. Tracer wire shall be installed on all force main piping and sanitary sewer services in the trench at the same time as the pipe or immediately prior to starting the backfill of the trench.
- B. Install a continuous length of tracer wire for the full length of each run of nonmetallic pipe. Attach wire to top of pipe in such manner that it will not be displaced during construction operations.
- C. Splices will be allowed at pipeline intersections, manholes, bored crossings, locator boxes and at other locations as agreed upon by the Engineer. Splices in tracer wire will be made with split bolt or compression-type connectors. Wire nuts may not be used. A waterproof connection is necessary to prevent corrosion. Splices shall be completed in accordance with the manufacturer's recommendations.
- D. Install tracer wire on all sanitary sewer services from the main to the end of the service. Install ground rod at sewer wye and at service end. Connect wire to ground rods and extend wire to the ground surface and loop the wire in a tracer wire terminal box. These boxes shall be located at the connection to sewer service with at least two feet of extra wire inside the box. The tracer wire terminal box must be installed flush with the finished grade.
- E. Install tracer wire on all force main piping. A ground rod shall be installed at each end of the piping and at all tracer wire terminal boxes. Tracer wire terminal boxes shall be installed at each end of the force main piping and as directed by the Engineer.
- F. Prior to final acceptance, all tracer wire shall be electrically tested for continuity from one exposed end to another.
- G. See MP-1 and MP-2 for additional details.

3.15 (ADD) VALVE INSTALLATION

- A. All valves shall be installed in locations as shown on the plans or as directed by the Engineer.
- B. The valve and joints shall be installed in accordance with the manufacturer's recommendations.
- C. All pipe bevels shall be removed prior to installation of any valve or ductile iron fitting.

3.16 (ADD) VALVE BOX INSTALLATION

- A. All foreign material and debris shall be removed from the top of the valve operator prior to setting the valve box.
- B. Valve box centering device shall be installed to center valve box on valve.
- C. Valve boxes shall be centered and plumb over the operating nut of the valve and shall be set so that no shock or stress will be transmitted to the valve.
- D. Tops of the valve boxes shall be set flush with the valve identification collar or manhole cover unless otherwise directed.

3.17 (ADD) MARSHALLTOWN STANDARD DETAILS

A. Added the following details:

- 1. MP-1 Typical Sanitary Sewer Service Detail
- 2. MP-2 Typical Sanitary Sewer Service with Riser Detail
- 3. MP-3 Typical Air Release/Combination Valve Manhole Detail
- 4. MP-4 Typical Service Line Cleanout Detail
- 5. MP-8 Typical Sanitary Sewer Utility Crossing Detail
- 6. MR-5 Typical Street Utility Section Detail

B. Deleted SUDAS Figures

- 1. 4010.201 Sanitary Sewer Service Stub
- 2. 4010.201 Sanitary Sewer Service Stub
- 3. 4010.202 Sewage Air Release Valve Pit
- 4. 4010.203 Sanitary Sewer Cleanout

MARSHALLTOWN SPECIAL PROVISIONS
FINAL ACCEPTANCE CHECKLIST

- A. Deflection/Mandrel Testing – all Flexible Sanitary Sewer Pipe
- B. Low Pressure Air Testing of Pipe – For Sanitary Sewer
- C. Lateral Construction Forms – All Sanitary Sewer Laterals
- D. Warranty Bond – Sanitary and Storm Sewers (See Specifications Part I)
- E. TV Inspection – For Sanitary and Storm Sewer Pipe.
- F. As-Built Drawings – For Sanitary and Storm Sewers
- G. Engineering Certificate of Completion in accordance with the Plans and Specifications – Sanitary and Storm Sewers
- H. Contractors Cost of Construction Report - This is to meet the financial reporting requirements of the city (GASB 34)

DEFLECTION TESTING OF FLEXIBLE PIPE

Deflection tests shall be performed on all flexible sanitary sewer pipes. The deflection test shall be conducted after the final backfill has been in place at least 30 days. No pipe shall exceed a deflection of 5%. If the deflection test is to be run using a rigid ball or mandrel, it shall have a diameter equal to 95% of the inside diameter of the pipe and the tests shall be performed without mechanical pulling devices.

PROJECT NAME: _____
 LOCATION: _____
 CONTRACTOR: _____

SECTION TESTED

Start Station: _____ MH Upstream _____ Pipe Diameter: _____
 End Station: _____ MH Downstream _____ Length: _____

Date Of Test: _____ Pass ☐
 Date Of Construction _____ Fail ☐

MANUFACTURER OF TEST DEVICE AND DIAMETER _____

Comments _____

Inspector _____

SECTION TESTED

Start Station: _____ MH Upstream _____ Pipe Diameter: _____
 End Station: _____ MH Downstream _____ Length: _____

Date Of Test: _____ Pass ☐
 Date Of Construction _____ Fail ☐

MANUFACTURER OF TEST DEVICE AND DIAMETER _____

Comments _____

Inspector _____

SECTION TESTED

Start Station: _____ MH Upstream _____ Pipe Diameter: _____
 End Station: _____ MH Downstream _____ Length: _____

Date Of Test: _____ Pass ☐
 Date Of Construction _____ Fail ☐

MANUFACTURER OF TEST DEVICE AND DIAMETER _____

Comments _____

Inspector _____

LOW PRESSURE TESTING OF SANITARY SEWER LINE (ASTM: F 1417)

PROJECT NAME: _____

LOCATION: _____

CONTRACTOR: _____

LIST SECTION TESTED: DATE: _____

Start Station.: _____ MH Upstream _____

End Station: _____ MH Downstream _____

Pipe Dia. _____ Length _____

Initial Pressure: _____ psi

Starting Test Pressure: _____ psi

Ending Test Pressure: _____ psi

Test Duration: _____ Min(s)

Comments: _____

TEST INFORMATION:

Constant Pressure Method:

Rotameter reading: _____ cf/min

Computed Air Loss: _____ cf/min

CONCLUSION: The section of pipe tested complies with
ASTM: F 1417, 8.2.1 for acceptance: Yes ___ No ___*Time-Pressure Drop Method*

Time for 1.0 psi drop: _____ Min(s) --OR--

Variance in Test Pressure: _____ psi

Variance allowed by local jurisdiction: _____ psi

CONCLUSION: The section of pipe tested complies with
ASTM: F 1417, 8.2.2 for acceptance: Yes ___ No ___

LIST SECTION TESTED: DATE: _____

Start Station.: _____ MH Upstream _____

End Station: _____ MH Downstream _____

Pipe Dia. _____ Length _____

Initial Pressure: _____ psi

Starting Test Pressure: _____ psi

Ending Test Pressure: _____ psi

Test Duration: _____ Min(s)

Comments: _____

TEST INFORMATION:

Constant Pressure Method:

Rotameter reading: _____ cf/min

Computed Air Loss: _____ cf/min

CONCLUSION: The section of pipe tested complies with
ASTM: F 1417, 8.2.1 for acceptance: Yes ___ No ___*Time-Pressure Drop Method*

Time for 1.0 psi drop: _____ Min(s) --OR--

Variance in Test Pressure: _____ psi

Variance allowed by local jurisdiction: _____ psi

CONCLUSION: The section of pipe tested complies with
ASTM: F 1417, 8.2.2 for acceptance: Yes ___ No ___

LIST SECTION TESTED: DATE: _____

Start Station.: _____ MH Upstream _____

End Station: _____ MH Downstream _____

Pipe Dia. _____ Length _____

Initial Pressure: _____ psi

Starting Test Pressure: _____ psi

Ending Test Pressure: _____ psi

Test Duration: _____ Min(s)

Comments: _____

TEST INFORMATION:

Constant Pressure Method:

Rotameter reading: _____ cf/min

Computed Air Loss: _____ cf/min

CONCLUSION: The section of pipe tested complies with
ASTM: F 1417, 8.2.1 for acceptance: Yes ___ No ___*Time-Pressure Drop Method*

Time for 1.0 psi drop: _____ Min(s) --OR--

Variance in Test Pressure: _____ psi

Variance allowed by local jurisdiction: _____ psi

CONCLUSION: The section of pipe tested complies with
ASTM: F 1417, 8.2.2 for acceptance: Yes ___ No ___Testing procedures observed and
Information recorded by:

Results reviewed and affirmed by:

Project Representative

Project Engineer

City of Marshalltown, Iowa

SANITARY SEWER LATERAL CONSTRUCTION FORM

Project Number _____

Date Wye Installed: _____ 20____

4Date Service Installed: _____ 20____ (NA) if no service

Street Address: (or) _____

General Location: _____

Upstream Manhole # _____ Downstream Manhole # _____

Service Status: _____ 1 - Active 2 - Inactive 3 - Abandoned

Connection Type: _____ 2 - Wye 3 - MH stub 4 - Tap

Diameter (inches): _____

Pipe Material: _____ 1 - VCP 2 - PVC 3 - Concrete 4 - RCP
5 - DIP 6 - CIP 7 - CMP

Slope/Fall (%): _____ Length (feet): _____

Source of Data: _____ 1 - Construction Inspection 2 - Superintendent

Direction from Main: _____ Distance from Upstream MH (feet): _____

Depth at Main (feet): _____ Depth at Property Line (feet): _____

Depth at service end (feet): _____ (NA) if no service

Indicate North:

○

Upstream

MH# _____

Station: _____

-----○

Downstream

MH# _____

Station: _____

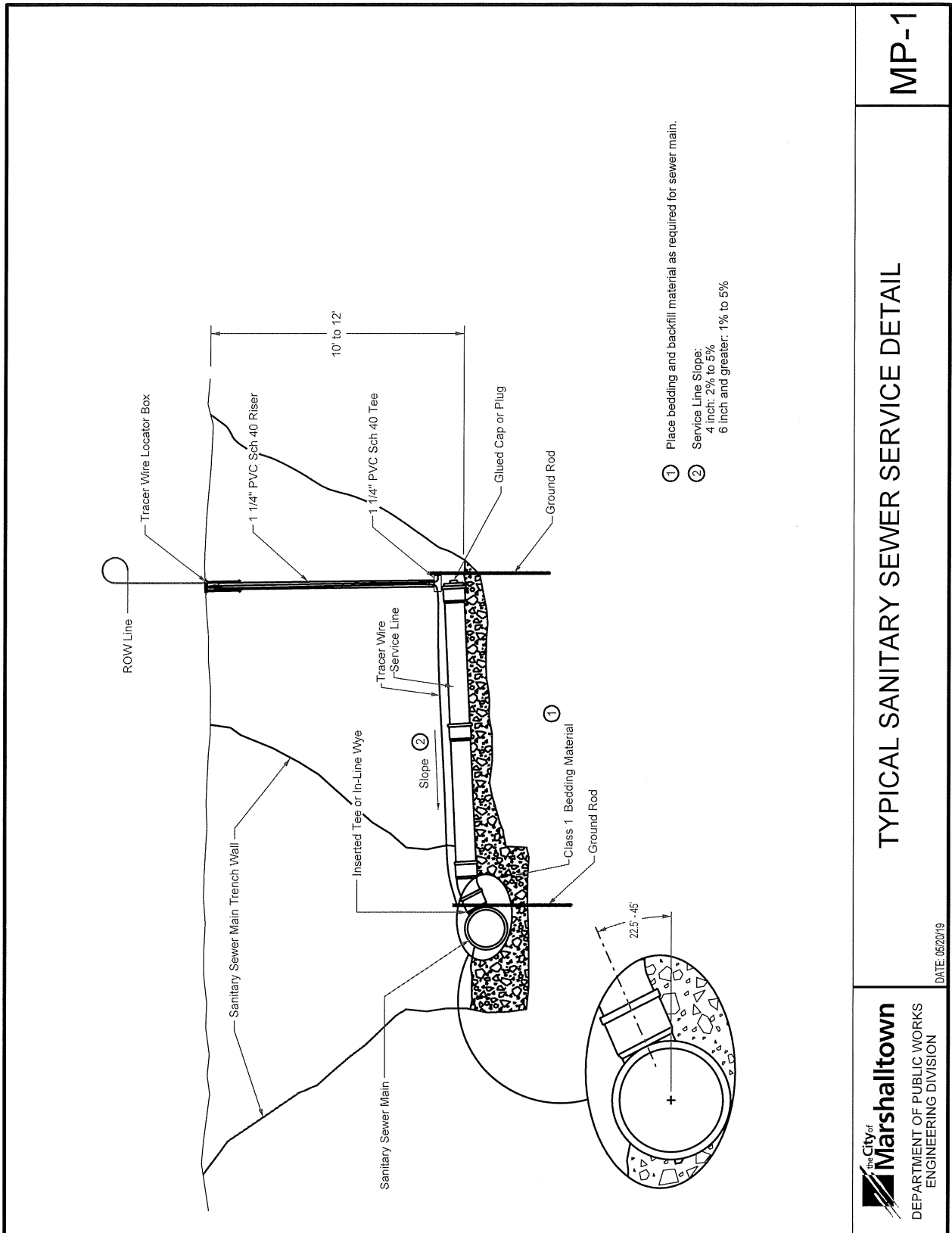
Wye Station: _____

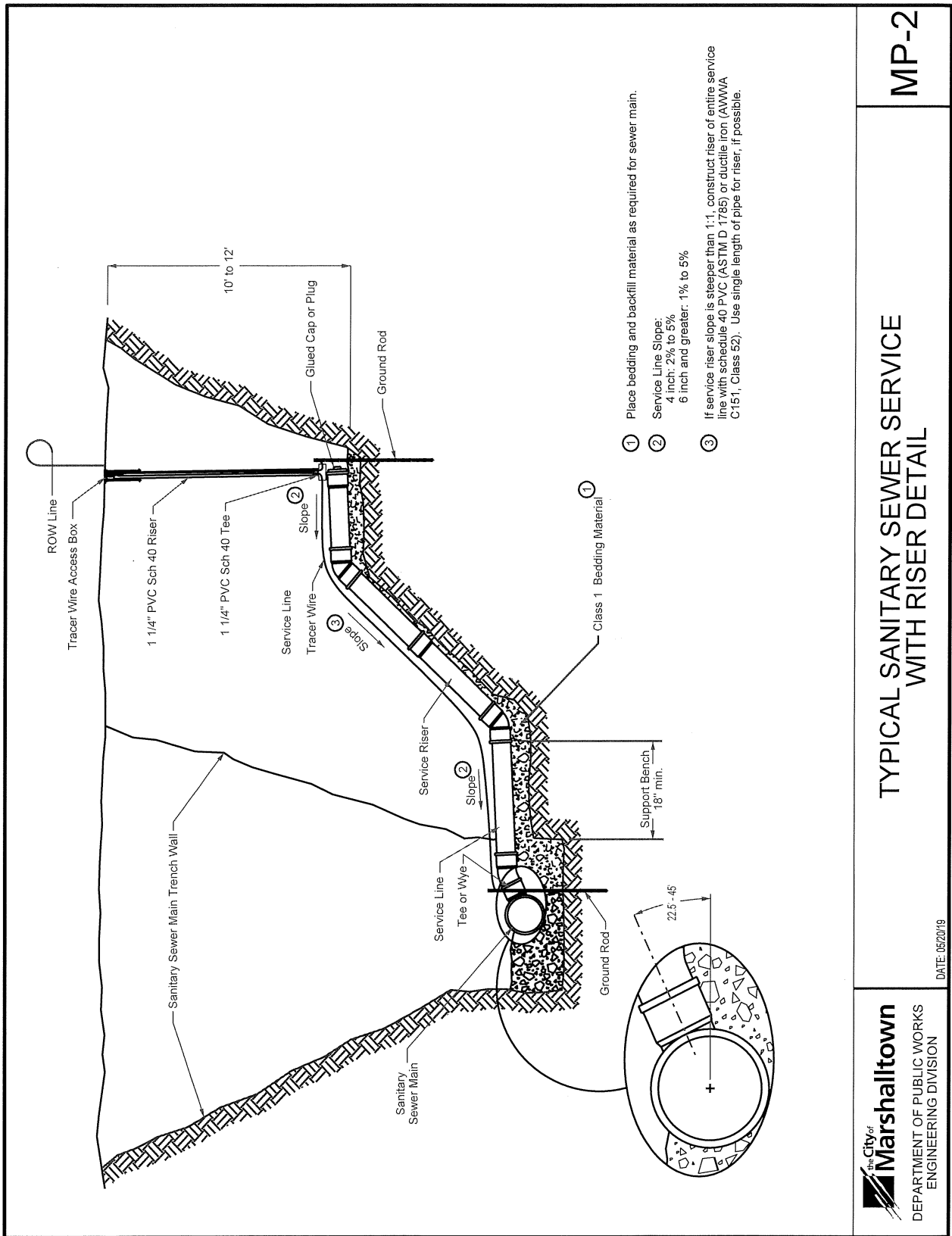
Service end Station: _____

Service Offset Direction/Distance (feet): _____

Inspector: _____

Department of Public Works
Engineering Division



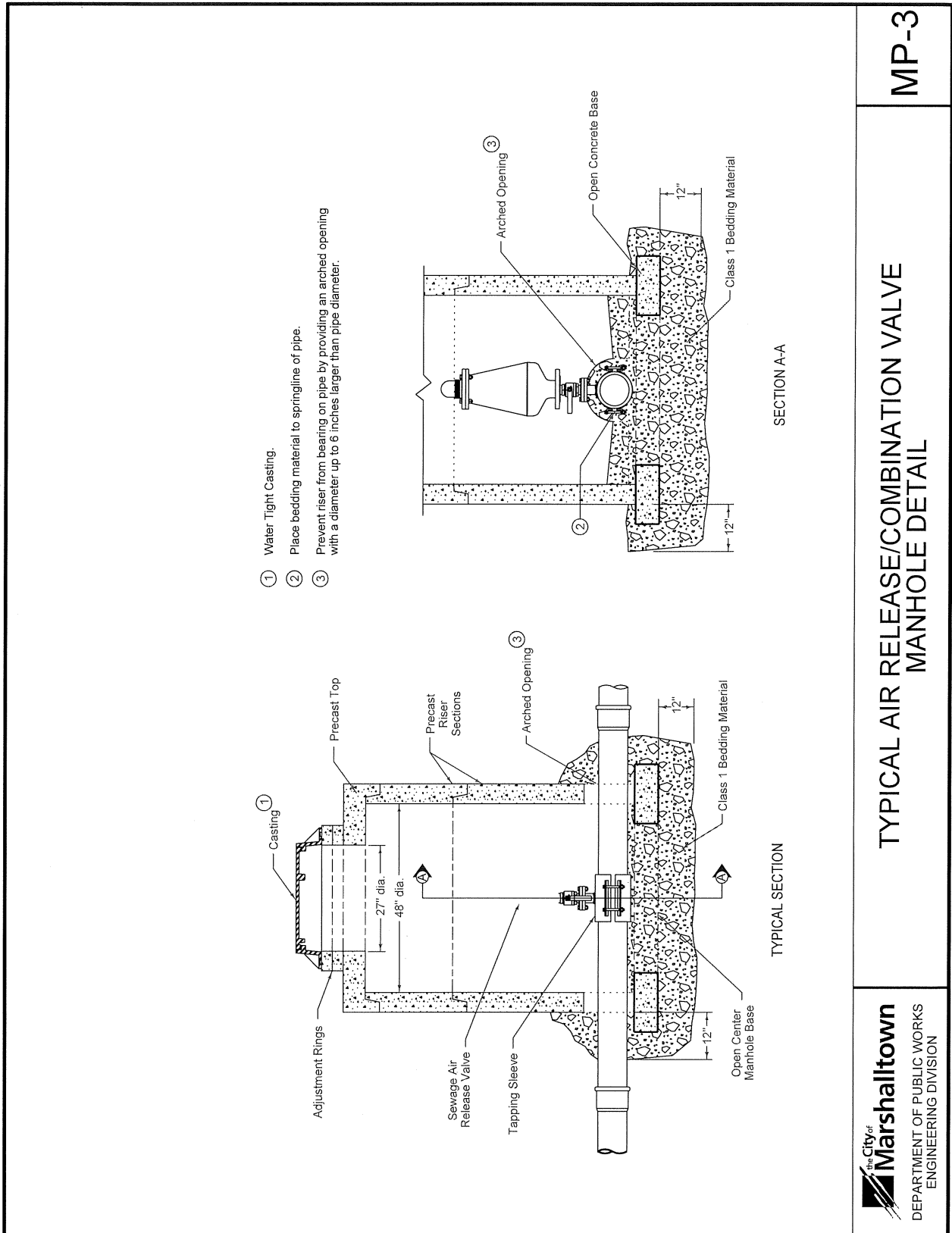


MP-2

TYPICAL SANITARY SEWER SERVICE
WITH RISER DETAIL

The City of Marshalltown
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

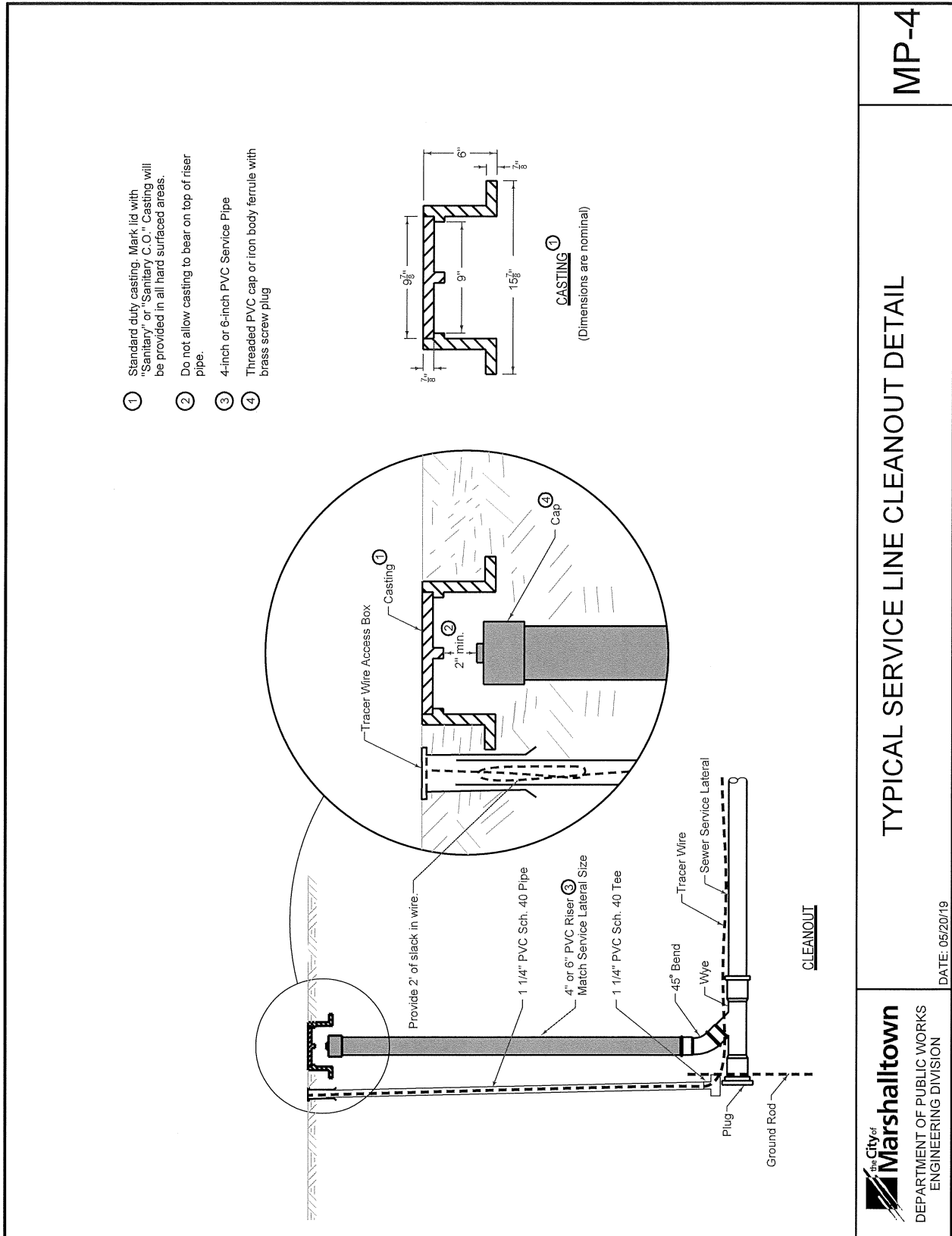
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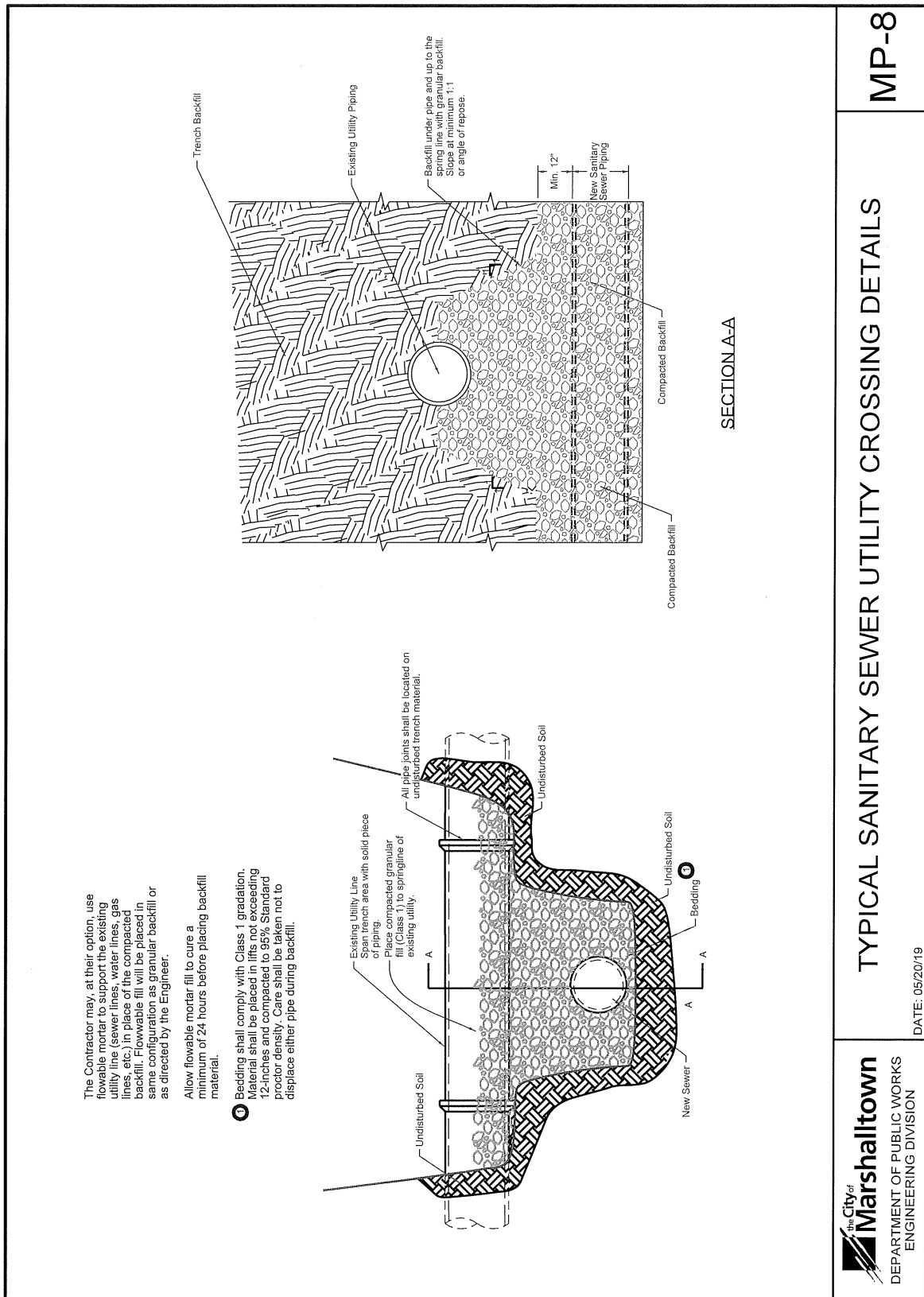


the City of Marshalltown
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

**TYPICAL AIR RELEASE/COMBINATION VALVE
MANHOLE DETAIL**

MP-3



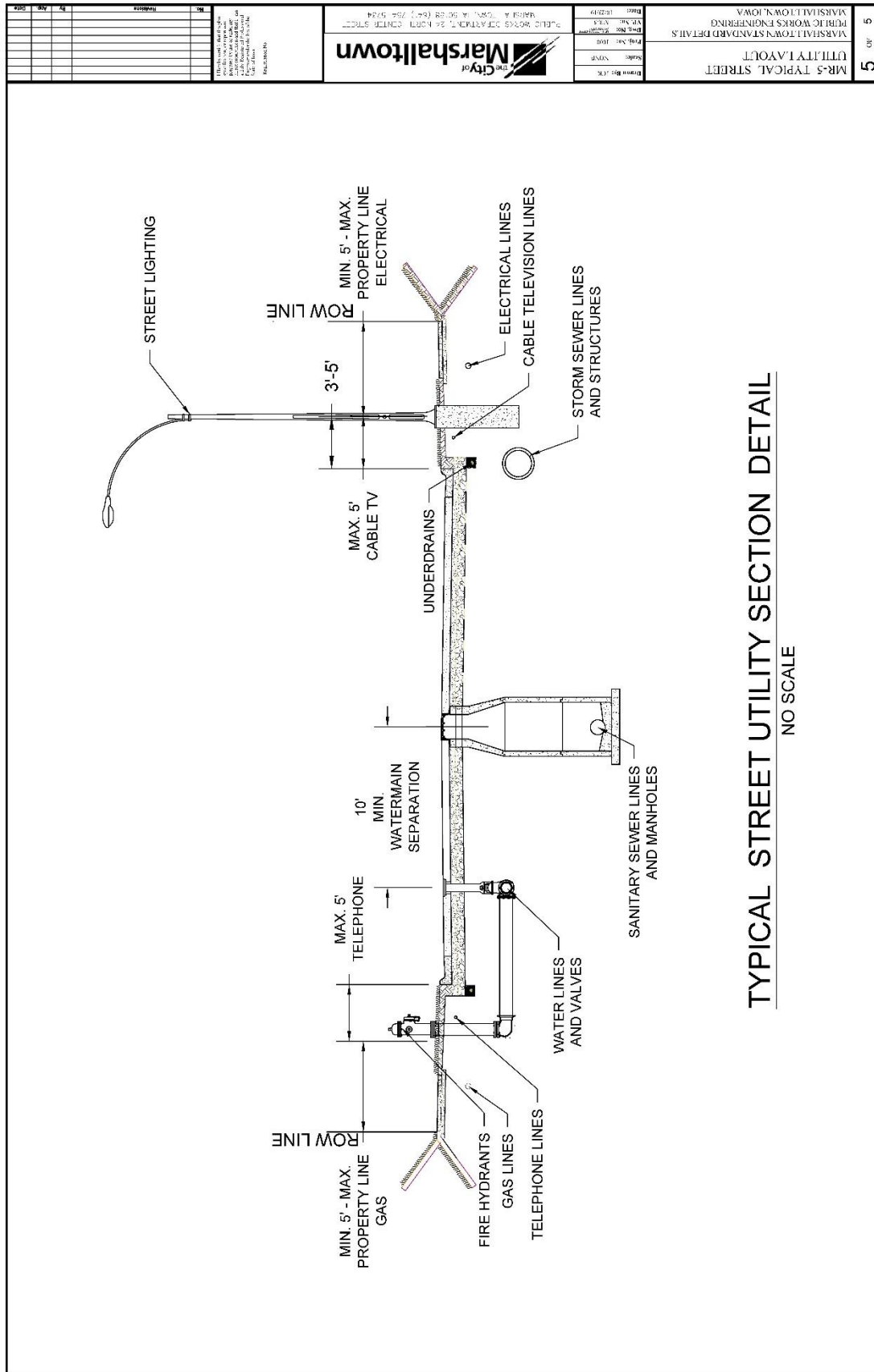


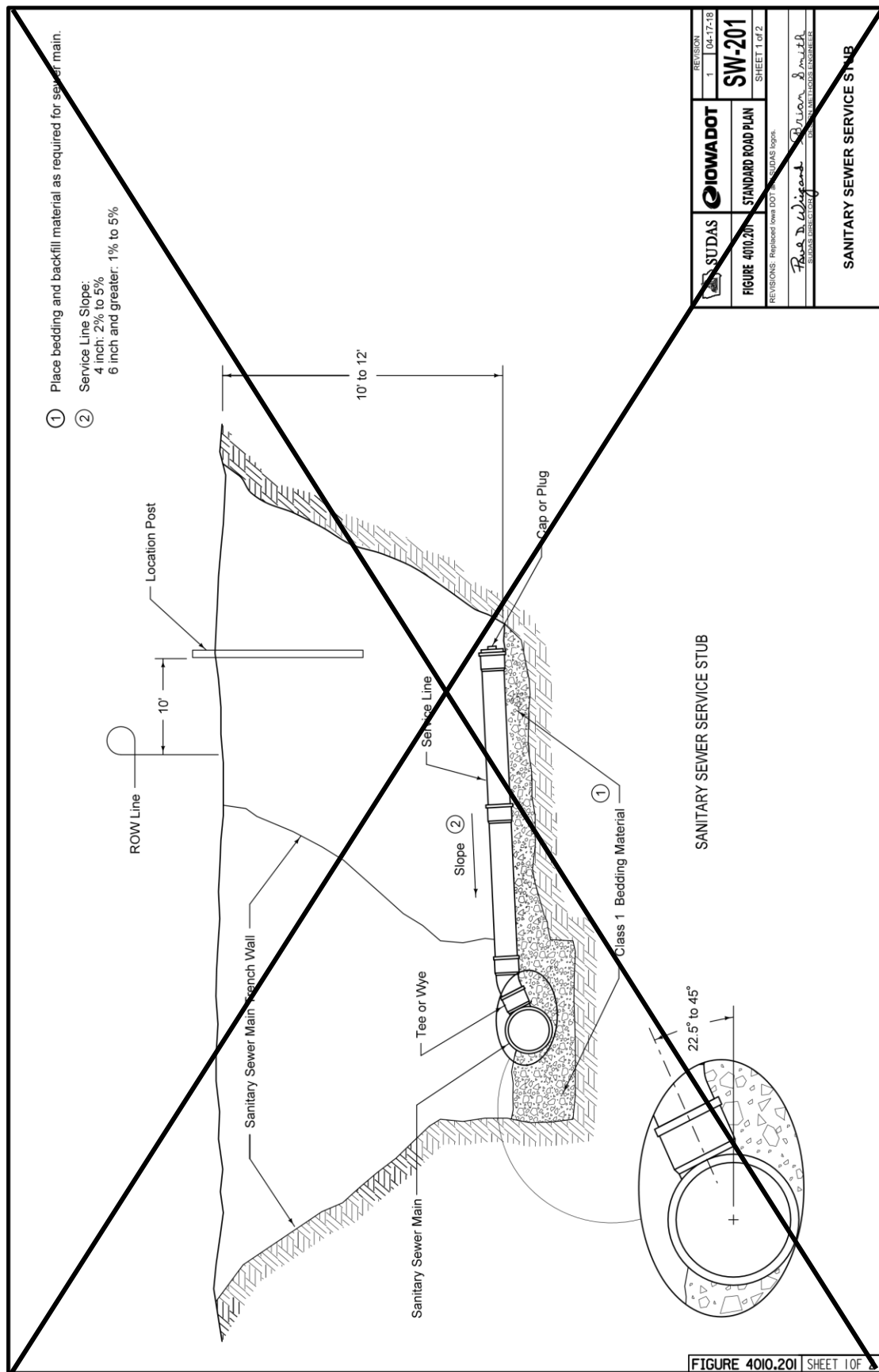
the City of Marshalltown
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

TYPICAL SANITARY SEWER UTILITY CROSSING DETAILS

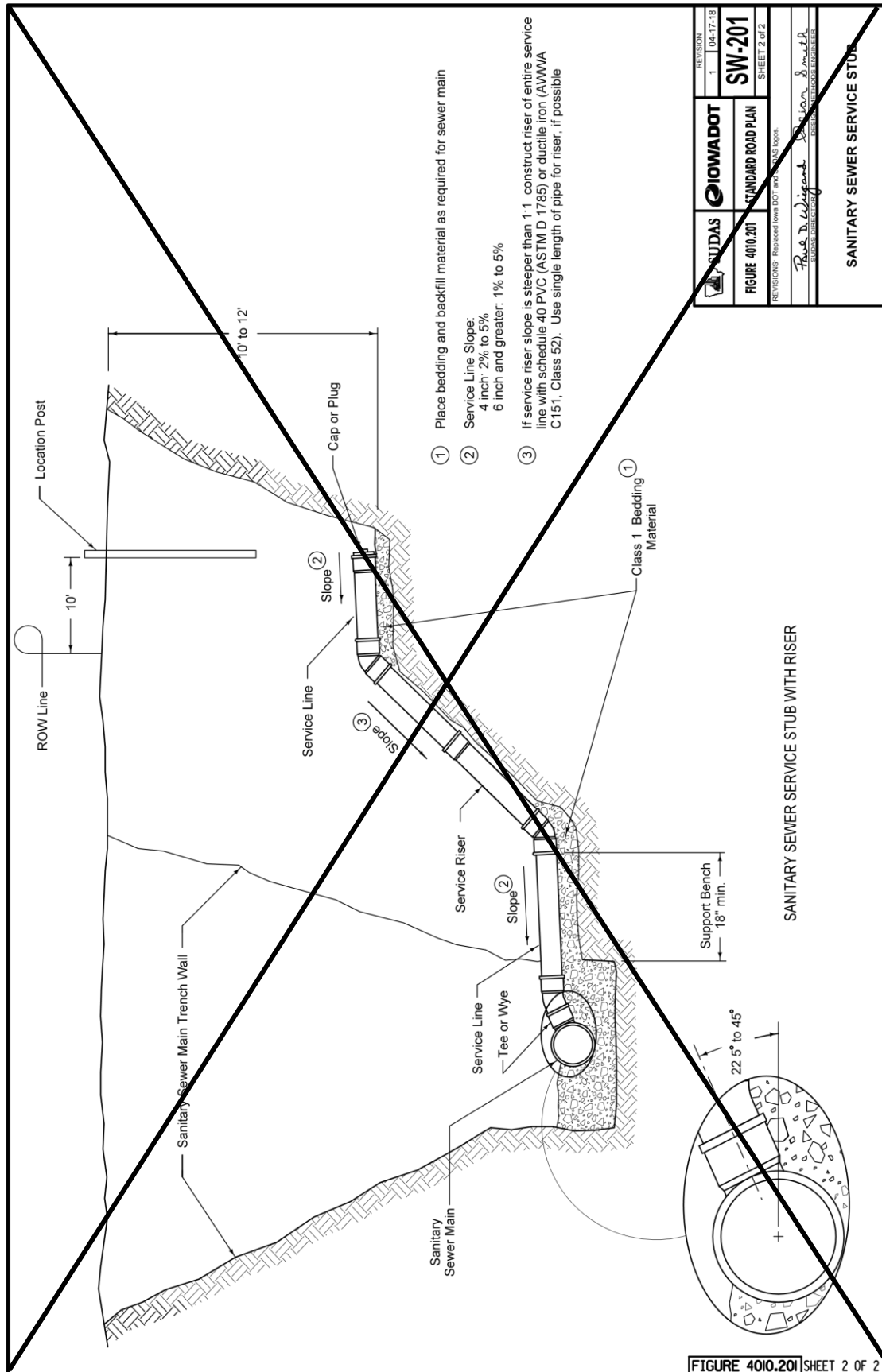
DATE: 05/20/19

MP-8

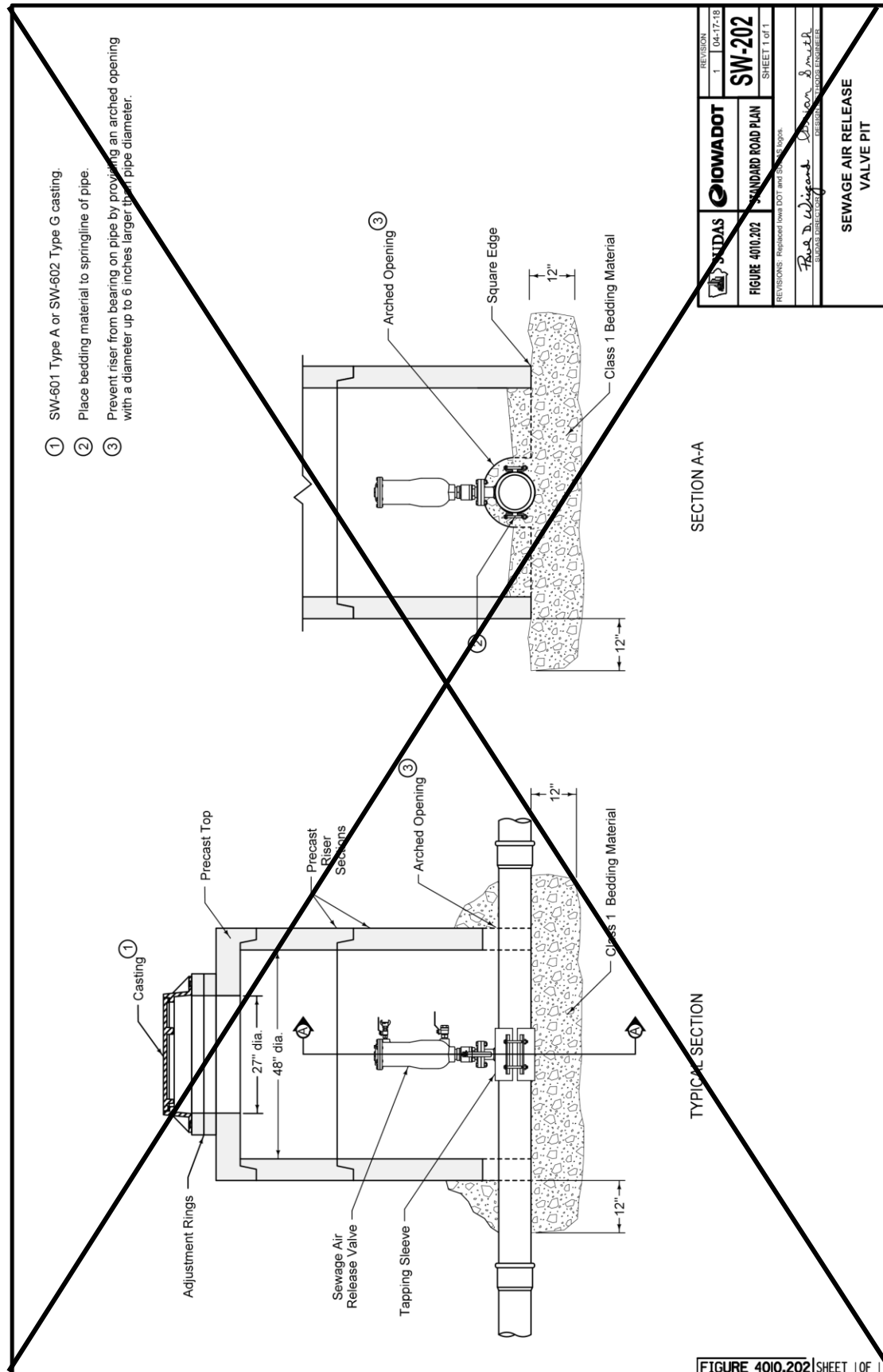




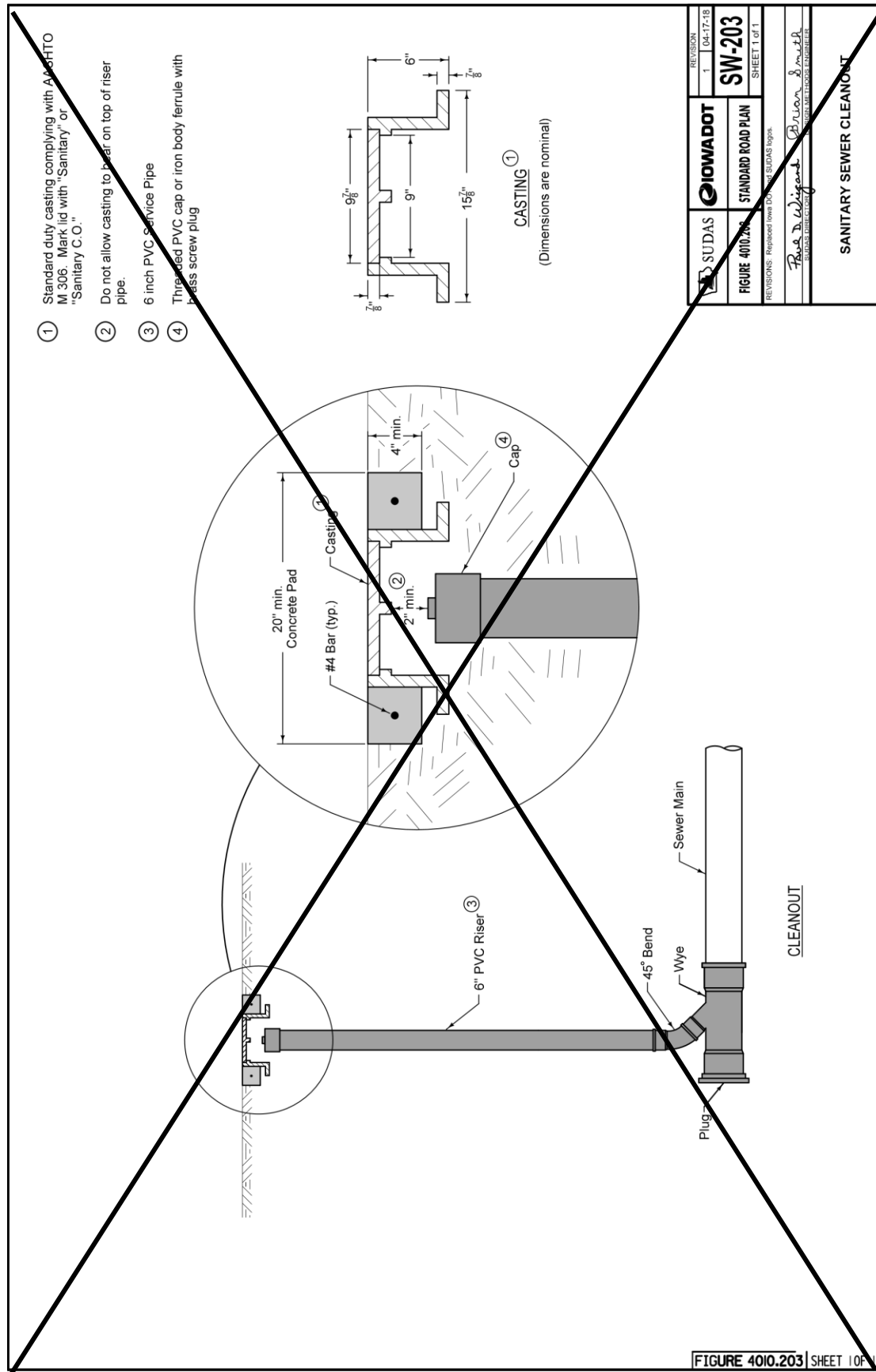
 SUDAS		REVISION	1	04-17-18
		SW-201		
SHEET 1 of 2				
FIGURE 4010.201				
STANDARD ROAD PLAN				
REVISIONS: Replaced Iowa DOT & SUDAS logos.				
Rae D. Wiegand SUDAS PROJECT MANAGER		R. Allen Smith DESIGNER		
SANITARY SEWER SERVICE STUB				



REVISION	1	04-17-18
FIGURE 4010.201	STANDARD ROAD PLAN	SW-201
REVISIONS: Registered Iowa DOT and SUDAS logos		SHEET 2 of 2
Paul D. Wiegand	DESIGNER	
John D. Wiegand	CHECKED	
	DATE: 04-17-18	
SANITARY SEWER SERVICE STUB		



REVISION	1	04-17-18
IOWA DOT	SW-202	
FIGURE 4010.202	STANDARD ROAD PLAN	SHEET 1 OF 1
DESIGNED BY	Paul D. Wiegand	
CHECKED BY	Brian Smith	
DESIGNED BY	SEWAGE AIR RELEASE VALVE PIT	



SECTION 04020 - STORM SEWERS

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

1.09 (ADD) ACCEPTANCE CHECKLIST & MAINTENANCE BOND

Prior to final acceptance of the work, the contractor shall file with the City Clerk of the City of Marshalltown a maintenance bond guaranteeing suitable repairs of any defects or failures due to deficiencies in materials or inadequacies in workmanship for a period of 4 years for all improvements following completion of construction. The bond shall be for a sum equal to the total amount of the project. The contractor shall also file with the City Engineer all other required acceptance checklist items including testing/inspection forms, lateral construction forms, as-built drawings, construction costs and engineering certificate of completion forms. The acceptance checklist and warranty bond form are provided at end of section.

3.02 PIPE INSTALLATION

A. General:

8. (ADD) All lift holes in the pipe shall be filled with concrete.
9. (ADD) Protect utilities crossing the sewer main trench.

B. Trenched:

7. (ADD) No more than 300-feet of trench shall be left open at any time. Open trenches shall be properly marked and/or attended. Trenches shall be closed at the end of each day.

3.07 CONFLICTS

A. Horizontal Separation of Gravity Sewers from Water Mains:

2. When it is impossible to obtain the required horizontal clearance of 3 feet and a vertical clearance of 18 inches between sewers and water mains, the sewers must be constructed of water main materials meeting the requirements of Section (DELETE) 5010, 2.01 (ADD) 4010, 2.02. However, provide a linear separation of at least 2 feet.

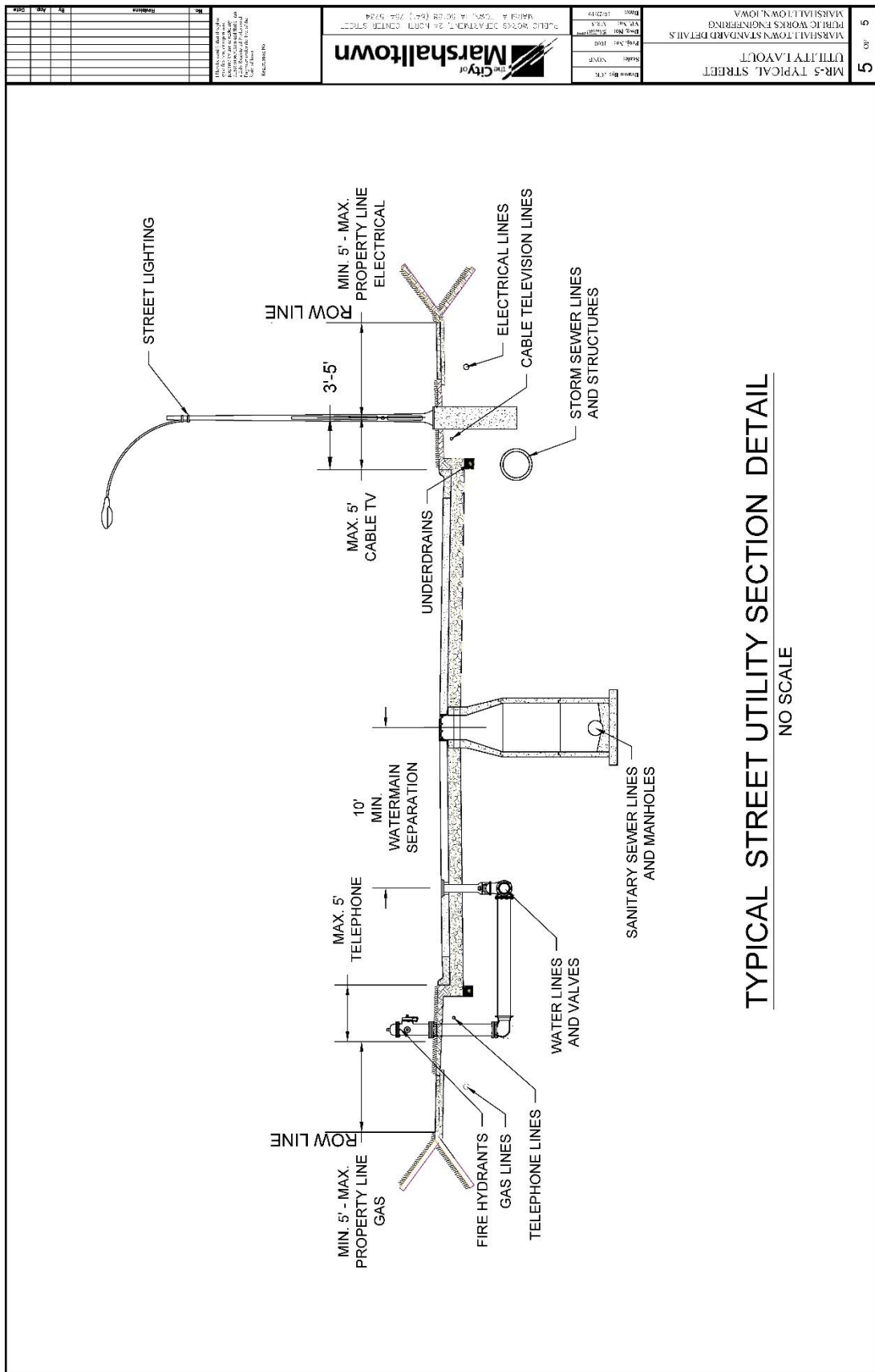
B. Separation of Sewer Force Mains from Water Mains: Separate storm sewer force mains and water mains by a horizontal distance of at least 10 feet unless:

1. The force main is constructed of water main materials meeting a minimum pressure rating of 150 psi and the requirements of (DELETE) 5010, 2.01 (ADD) 4010, 2.02. and

3.11 (ADD) MARSHALLTOWN STANDARD DETAILS

A. Added the following detail.

1. MR-5 Typical Street Utility Section Detail



SECTION 4030 - PIPE CULVERTS

PART 1 – GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

PART 2 - PRODUCTS

2.01 PIPE CULVERTS

B. Entrance Pipe Culverts: The following pipe culvert types described in Section 4020 may be used within right-of-way as entrance pipe culverts:

5. Corrugated Metal Pipe (CMP). (ADD) Use of this pipe material requires specific approval by the Engineer.
6. Spiral Rib Pipe. (ADD) Use of this pipe material requires specific approval by the Engineer.
7. Coated Corrugated Metal Pipe. (ADD) Use of this pipe material requires specific approval by the Engineer.
8. Corrugated Metal Arch Pipe. (ADD) Use of this pipe material requires specific approval by the Engineer.

C. Structural Plate Culverts: Structural plate culverts may be used in the right-of-way as roadway or entrance pipe culverts.

6. (ADD) Use of this pipe material requires specific approval by the Engineer.

D. Aluminum Structural Plate Culverts: Aluminum structural plate culverts may be used in the right-of-way as roadway or entrance pipe culverts.

9. (ADD) Use of this pipe material requires specific approval by the Engineer.

PART 3 - EXECUTION

3.04 (ADD) IOWA DOT STANDARD ROAD PLANS

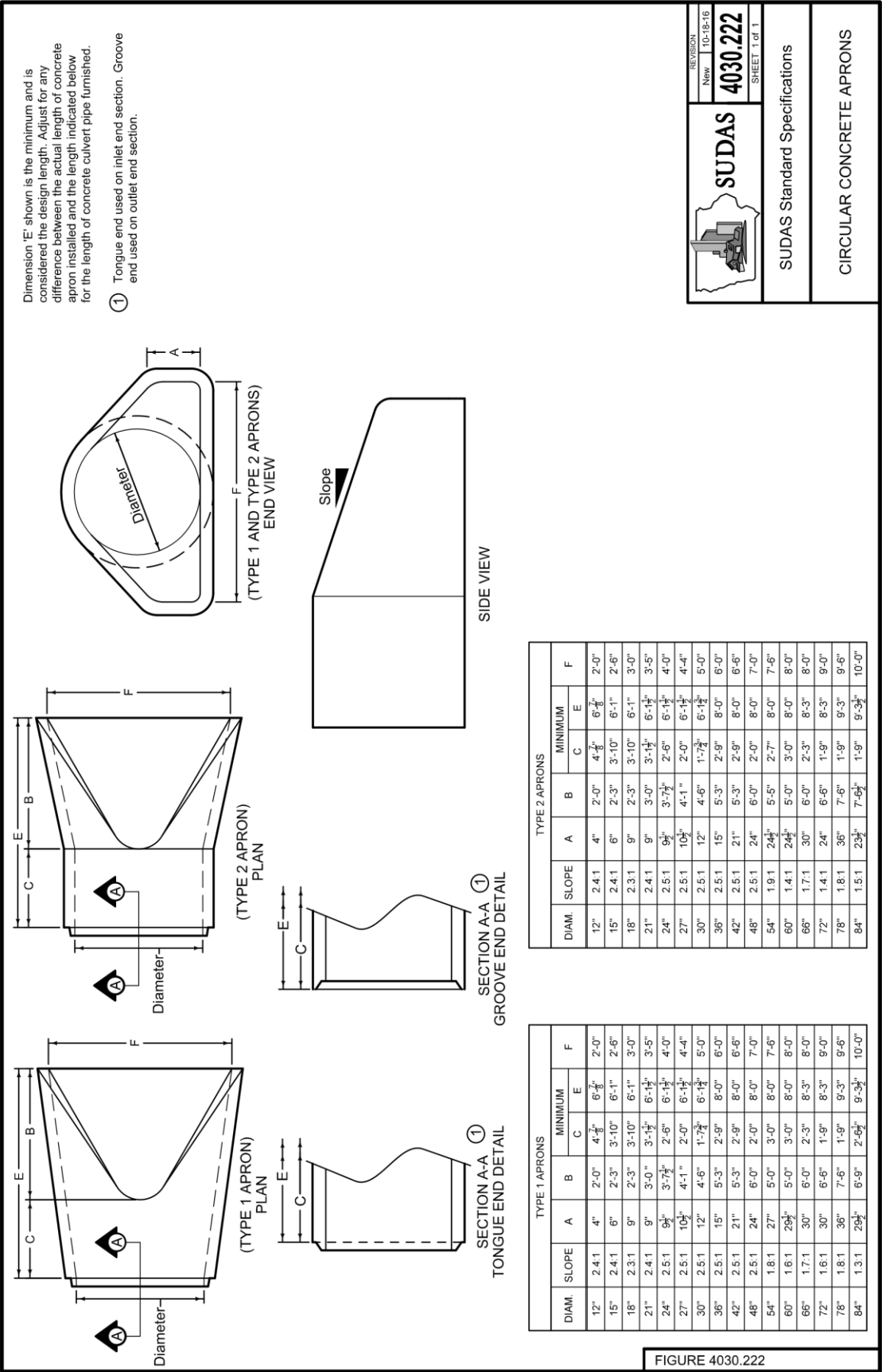
Add the following details:

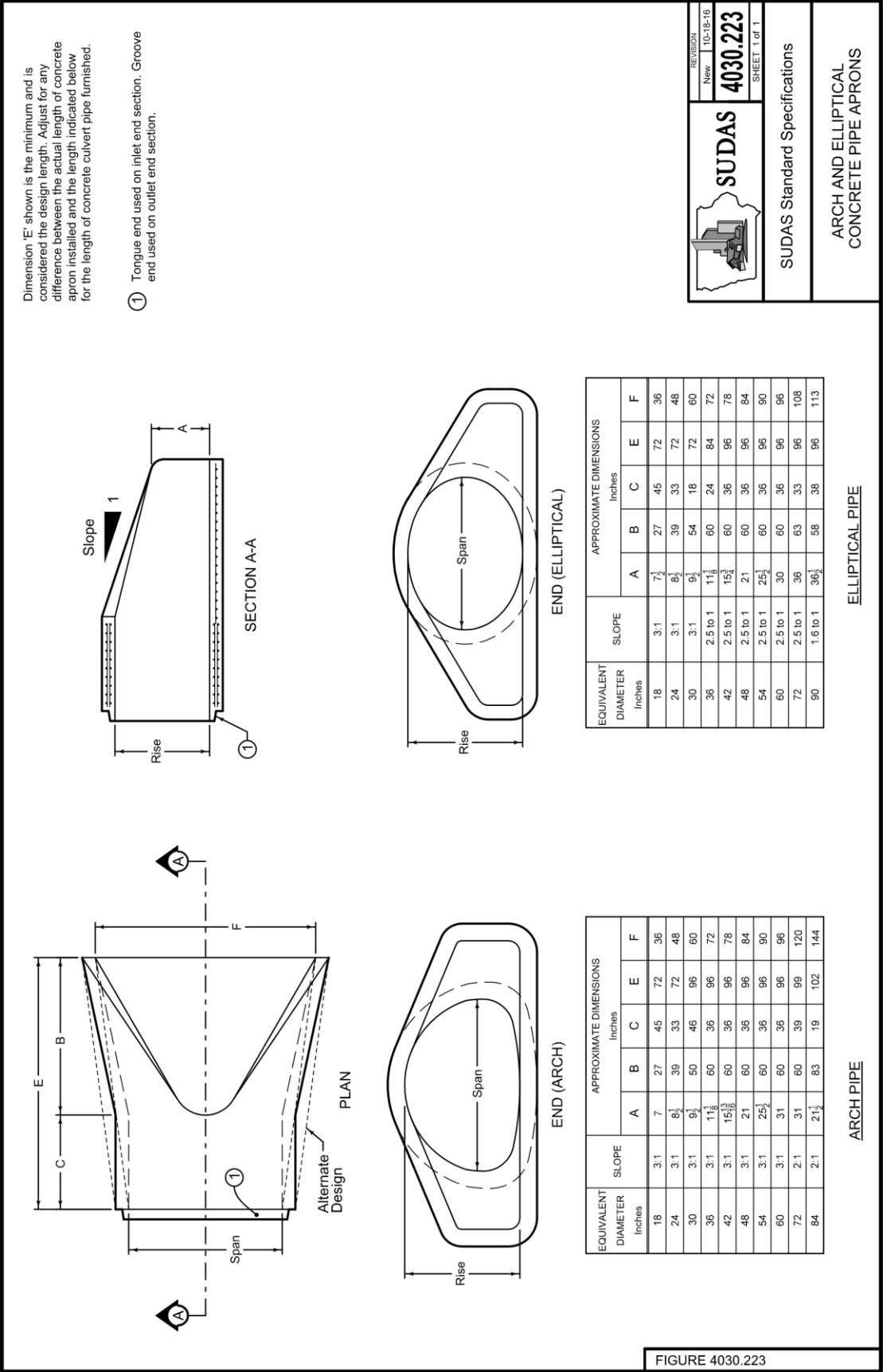
- A. DR-121 Connected Pipe Joints
- B. DR-203 Metal Pipe Aprons and Beveled Ends
- C. DR-211 Metal Safety Slope Apron 6:1 Slope
- D. DR-212 Beveled Pipe and Guard

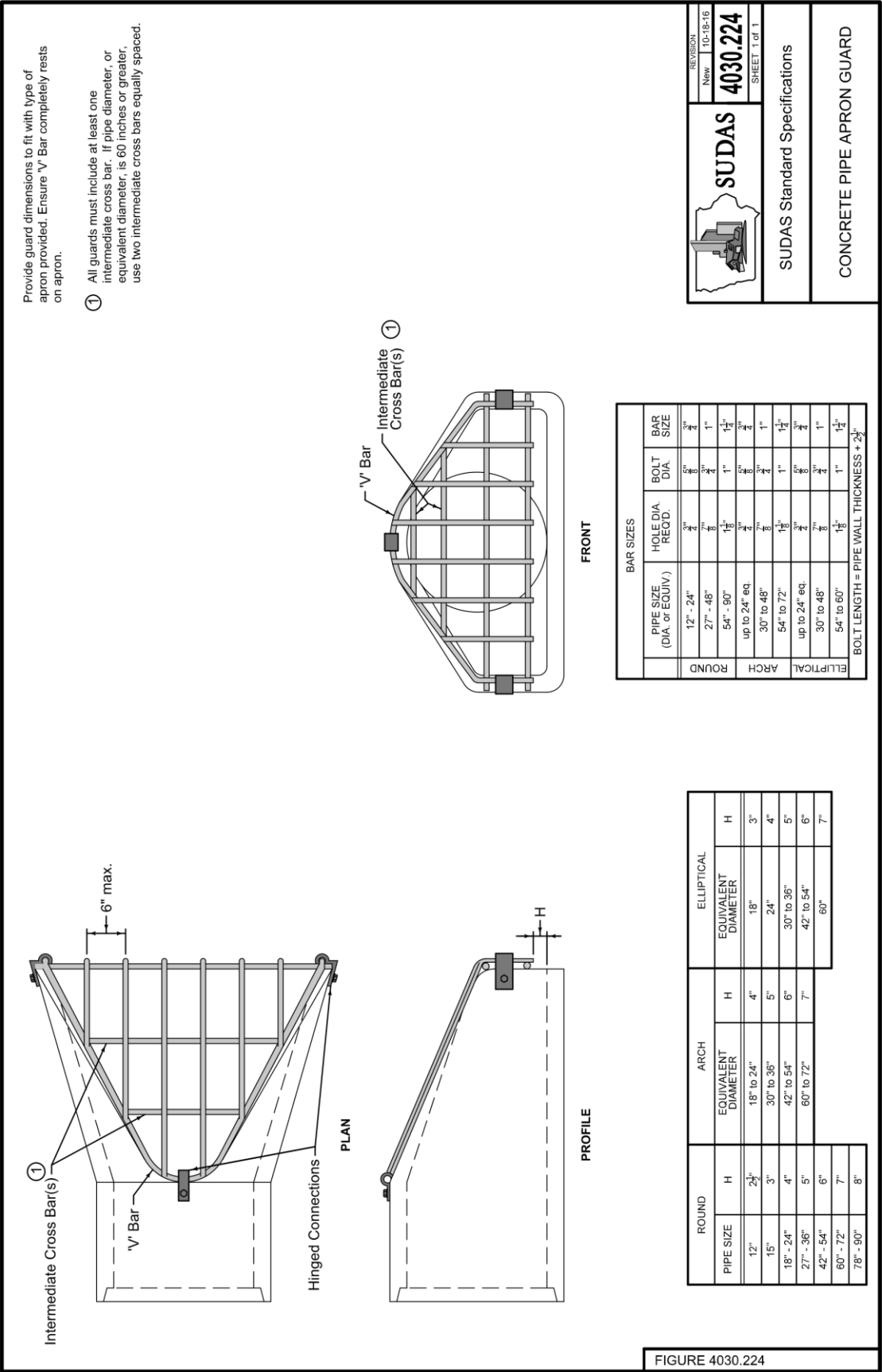


D	W	Mark	Size	Length	Count
12"	2'-4"	4f1	4	2'-0"	3
		4f2	4	3'-8"	2
15"	2'-10 1/2"	4f1	4	2'-6 1/2"	3
		4f2	4	3'-8"	2
18"	3'-5"	4f1	4	3'-1"	3
		4f2	4	3'-8"	3
24"	4'-6"	4f1	4	4'-2"	3
		4f2	4	3'-8"	3
30"	5'-7"	4f1	4	5'-3"	3
		4f2	4	3'-8"	4
36"	6'-8"	4f1	4	6'-4"	3
		4f2	4	3'-8"	5
42"	7'-3"	4f1	4	6'-11"	3
		4f2	4	2'-9"	5

FIGURE 4030.221 SH









Wrap all joints on concrete roadway pipe culverts.

Use Type 3 Connectors on all culvert pipes, unless specified otherwise. Refer to Materials I.M. 445.01 for Connector requirements.

Minimum 2 threads showing at all threaded ends.

Connections not required on pipe sections installed by trenchless methods.

For belled concrete pipe joints, connectors may be installed on the inside of the pipe.

TYPE 1

One connector at the top of the pipe section.

TYPE 2 (Sealed Joint)

Two connectors near the top of the pipe section. For details of reinforced concrete pipe joints, refer to AASHTO M 170 for the class of pipe required. Refer to Materials I.M. 451.00 for seal requirements.

TYPE 3 (Non - Sealed Joint)

Two connectors near the top of the pipe section. For details of reinforcement, refer to AASHTO M 170 for the class of pipe required.

① If holes are field drilled, place a ribbon of butyl sealant around bolts before placing 3 in. x 3 in. x 1/4 in. plate on bolts through corrugated metal pipe and tightening nuts.

② 1 1/2 inch round x 3/8 inch thick washer or 3 in. x 3 in. x 1/4 in. square plate (attached to pipe radius).

③ Connectors with One Bend End and Bell End spacers allowed per Materials I.M. 451. Refer to Optional Bolts detail.

④ Engineering fabric for embankment erosion control.

Possible Tabulations:
104-3
104-5B

**SECTION OF PIPE CONNECTOR
(Concrete Pipe to Concrete Pipe)**

**SECTION OF PIPE CONNECTOR
(Concrete Pipe to Corrugated Pipe)**

PIPE JOINT WRAPPING

TYPE 1 CONNECTION

OPTIONAL BOLTS/CONNECTORS

**TYPICAL SECTION
(Non-Sealed Joint)**

THREADED AT BOTH ENDS

ONE BEND END

CONNECTED PIPE JOINTS

TYPICAL INSTALLATION

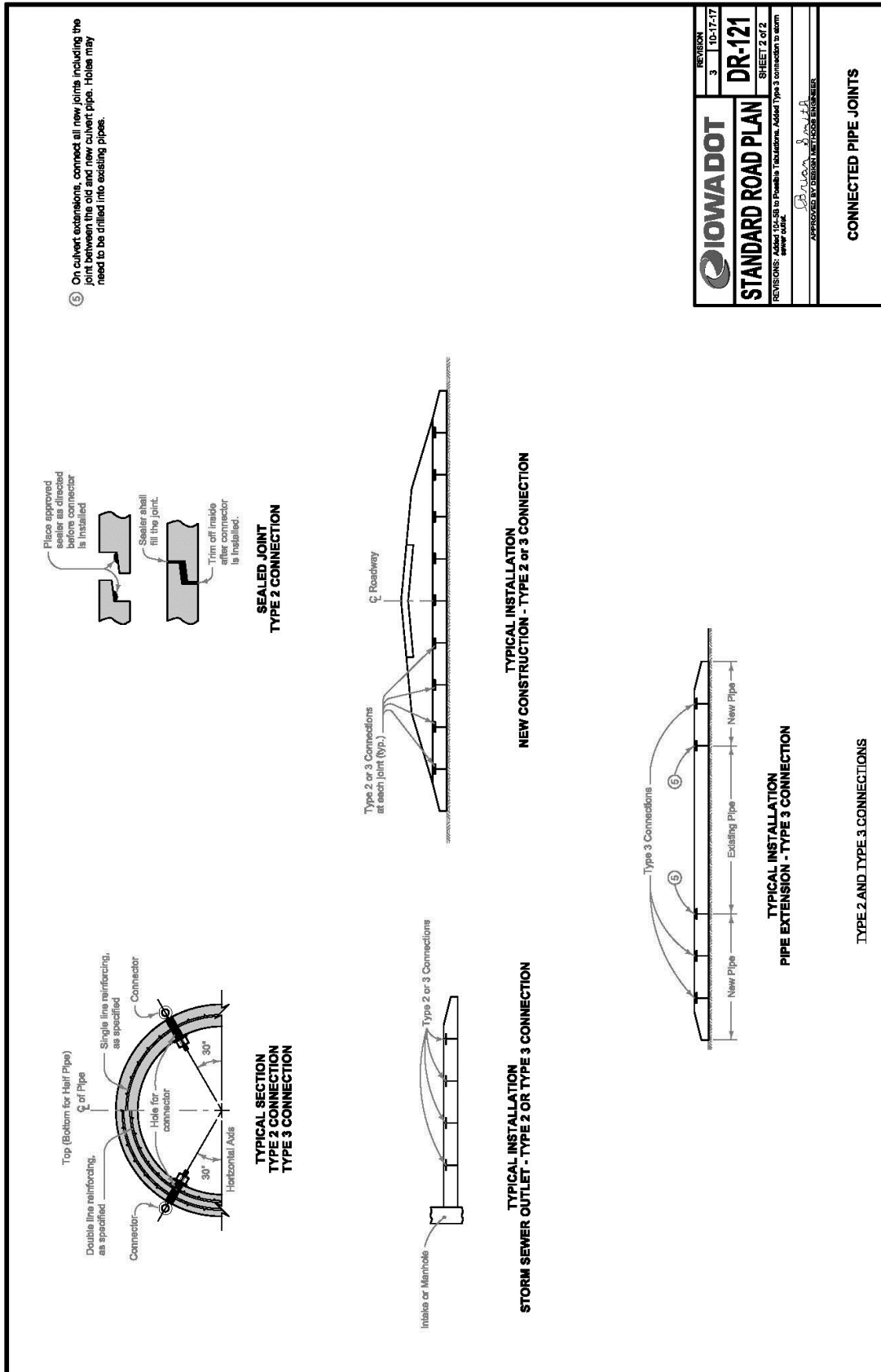
CONNECTIONS

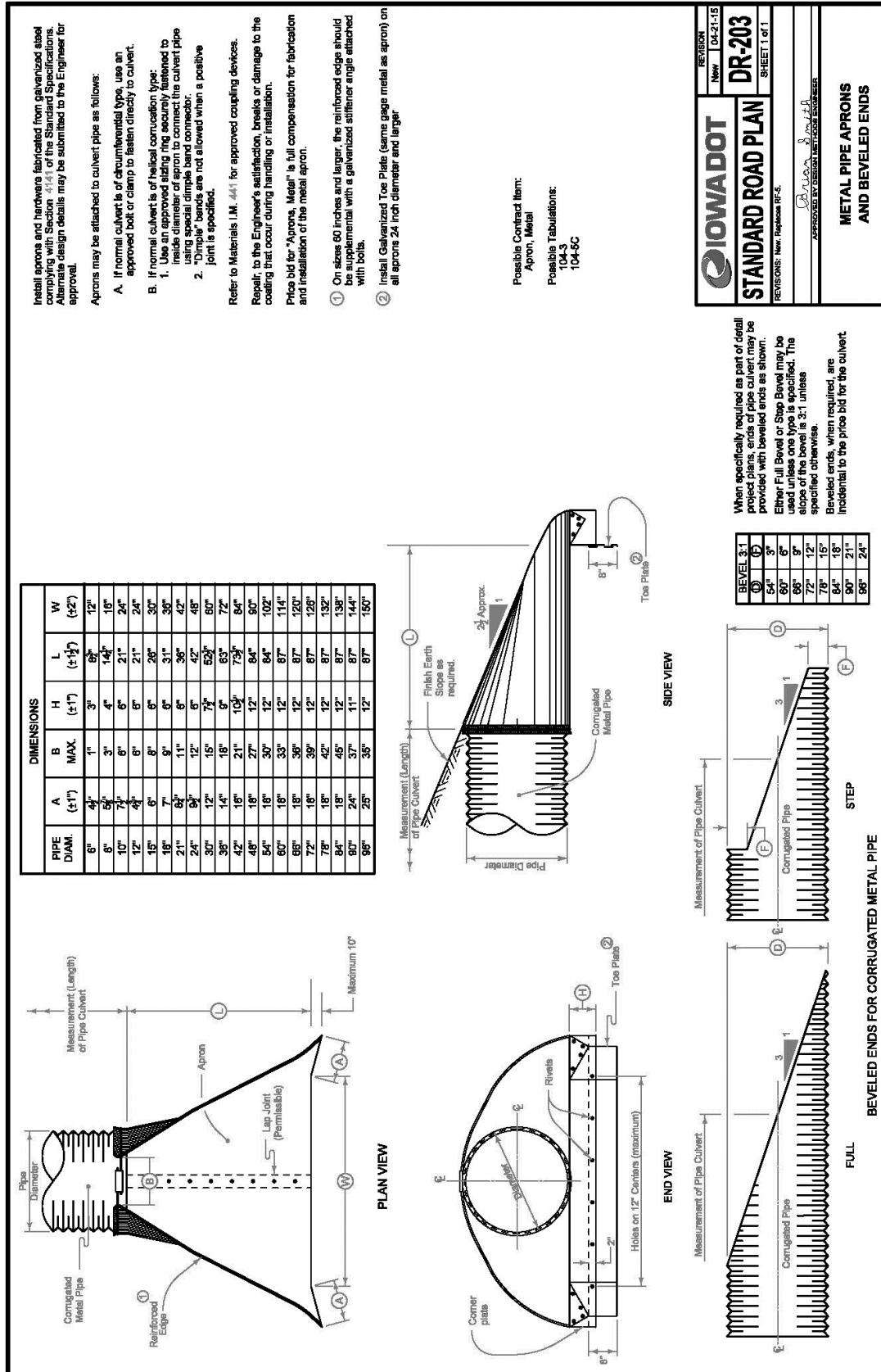
CONNECTED PIPE JOINTS

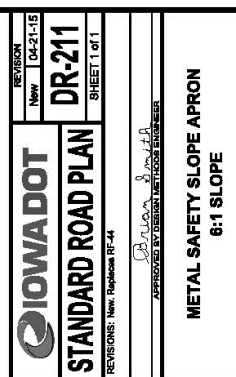
Updated 07/14/2020

Division 4 – Sewers and Drains

Page 273 of 358







For reinforcing steel used in construction of "Beveled Pipe and Guard", use deformed bars meeting the requirements of Article 4161.03 of the Standard Specifications and hot-dip galvanized according to ASTM A123.

Use Class 'C' Concrete in the construction of Beveled Pipe and Guard.

Cut the pipe to fit the foreslope. Cut slots into the pipe for placement of the No. 8 bars. After the foreslope has been placed, fit the No. 8 bars into the slots cut in the pipe so they will be in proper position when the concrete collar is poured.

Price bid for "Beveled Pipe and Guard," each, is full compensation for furnishing all materials and constructing the Beveled Pipe and Guard.

Special Note:

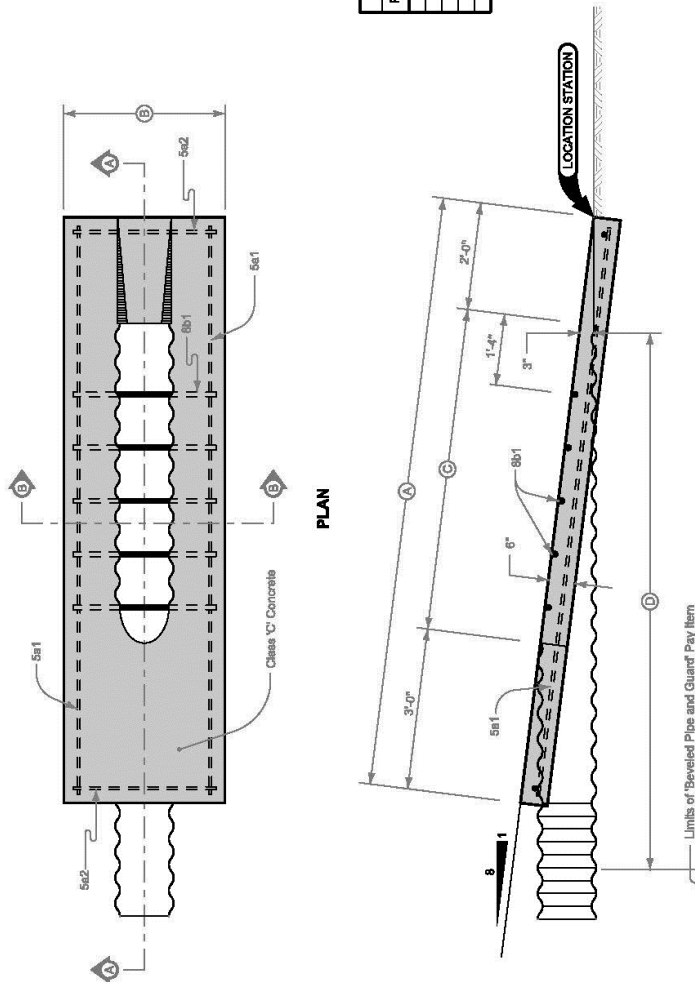
A self fence ditch check is required immediately upstream from the inlet. Refer to SEC-201 for construction details.

Possible Contract Item:
Beveled Pipe and Guard

Possible Tabulations:
104-3
112-8

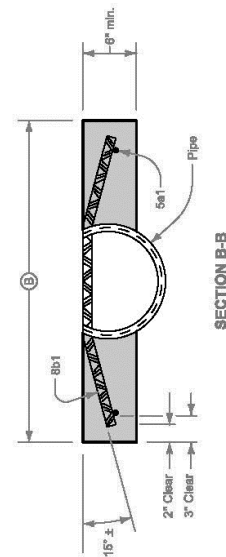
IOWA DOT	REVISION	04-21-15
	New	
STANDARD ROAD PLAN		DR-212
REVISIONS: New, Replace, RF-27.		SHEET 1 of 1
APPROVED BY DESIGN TECHNICIAN ENGINEER		
BEVELED PIPE AND GUARD		

TABLE OF DIMENSIONS				
PIPE SIZE	A	B	C	D
12"	11'-0"	3'-0"	8'-0"	10'-0"
15"	13'-2"	3'-2"	8'-2"	12'-0"
18"	15'-4"	3'-4"	8'-4"	14'-0"
21"	17'-6"	3'-6"	12'-6"	16'-0"
24"	19'-8"	4'-0"	14'-8"	18'-0"



REINFORCING BAR LIST					TOTAL	
PIPE SIZE	BAR	LOCATION	SHAPE	COUNT	LIN. FT.	WEIGHT
12"	5a1	Base	—	2	10'-0"	22.3
	5a2	Base	—	2	2'-0"	5.8
	8b1	Base	—	5	2'-0"	37.9
	5a1	Base	—	2	12'-10"	26.8
15"	5a2	Base	—	2	2'-11"	6.2
	8b1	Base	—	7	2'-11"	57.7
	5a1	Base	—	2	15'-0"	31.3
	5a2	Base	—	2	3'-0"	6.4
18"	8b1	Base	—	9	3'-0"	80.1
	5a1	Base	—	2	17'-2"	34.4
	5a2	Base	—	2	3'-0"	7.2
	8b1	Base	—	11	3'-7"	106.5
21"	5a1	Base	—	2	19'-4"	40.4
	5a2	Base	—	2	3'-0"	7.4
	8b1	Base	—	13	3'-10"	133.2
	5a1	Base	—	2	3'-0"	7.4

SECTION A-A



SECTION B-B

SECTION 4040 - SUBDRAINS AND FOOTING DRAIN COLLECTORS

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1—General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

PART 3 - EXECUTION

3.01 SUBDRAINS

A. Install Type 1 or Type 2 subdrain where specified in the contract documents. Comply with Figure 4040.231 (ADD), DR-301, and DR-303.

C. Provide outlets where specified in the contract documents.

3. (ADD) Comply with 4040.233 and DR-306 for outlets to grade.

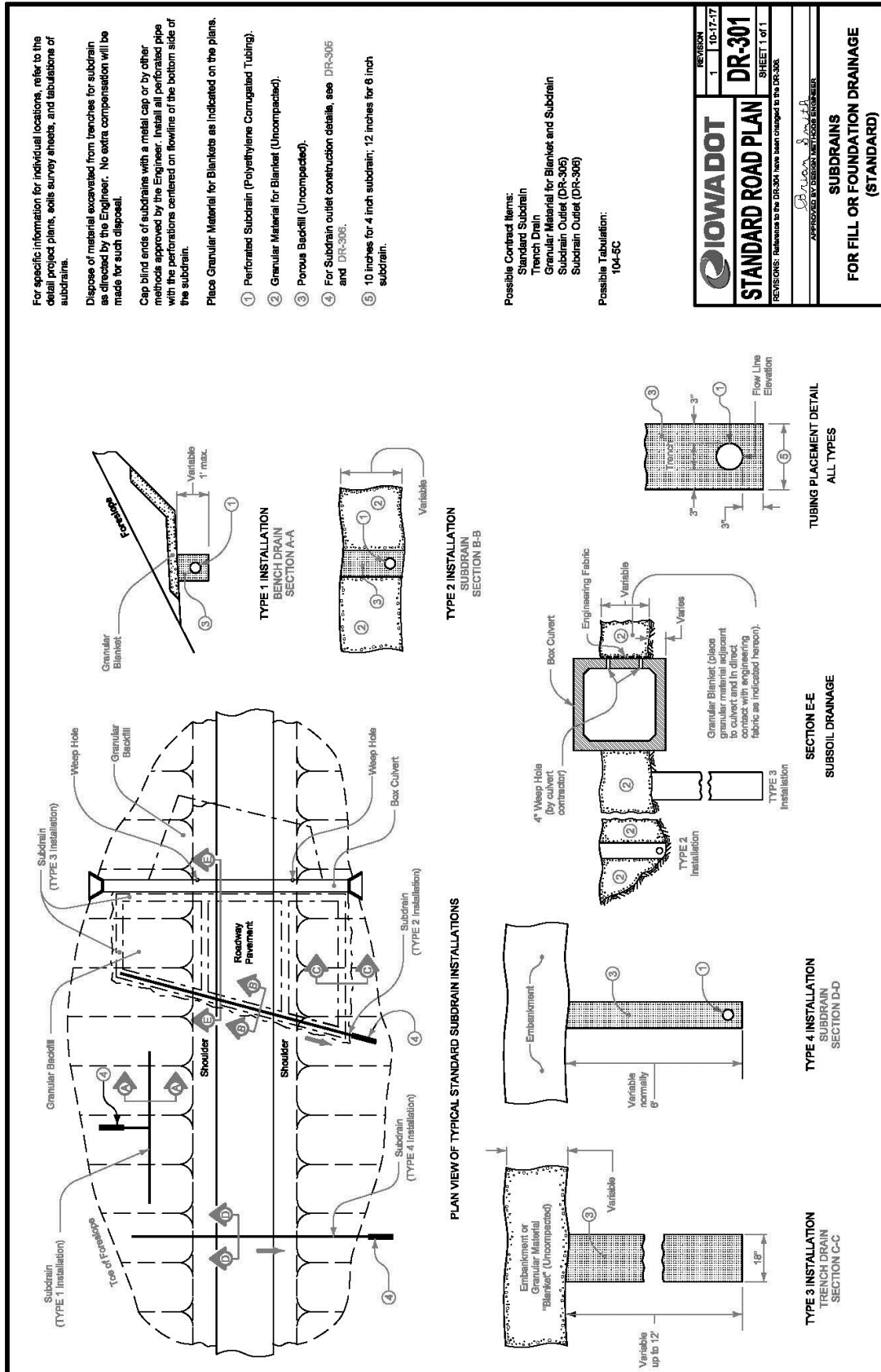
3.04 (ADD) IOWA DOT STANDARD ROAD PLANS

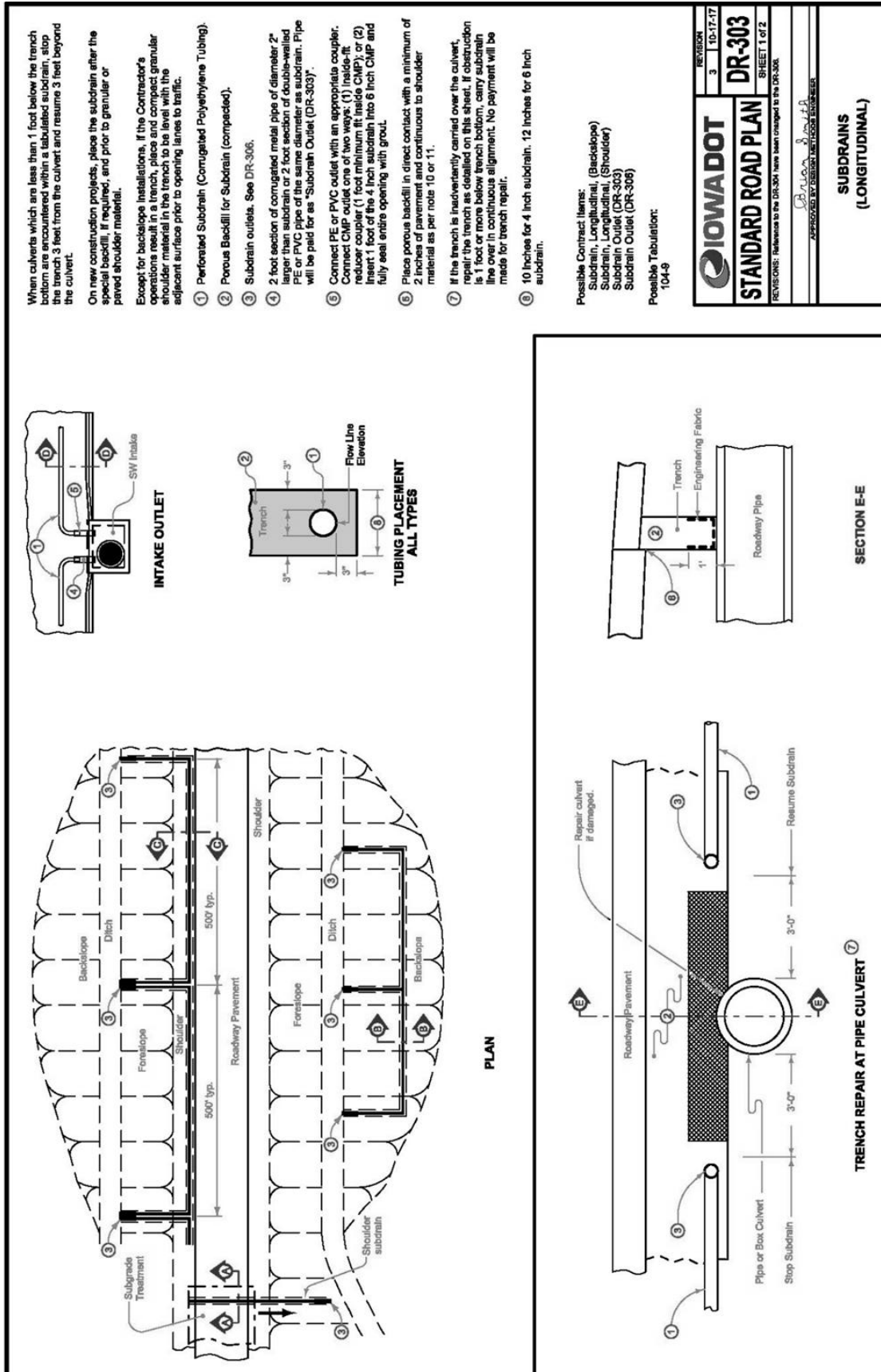
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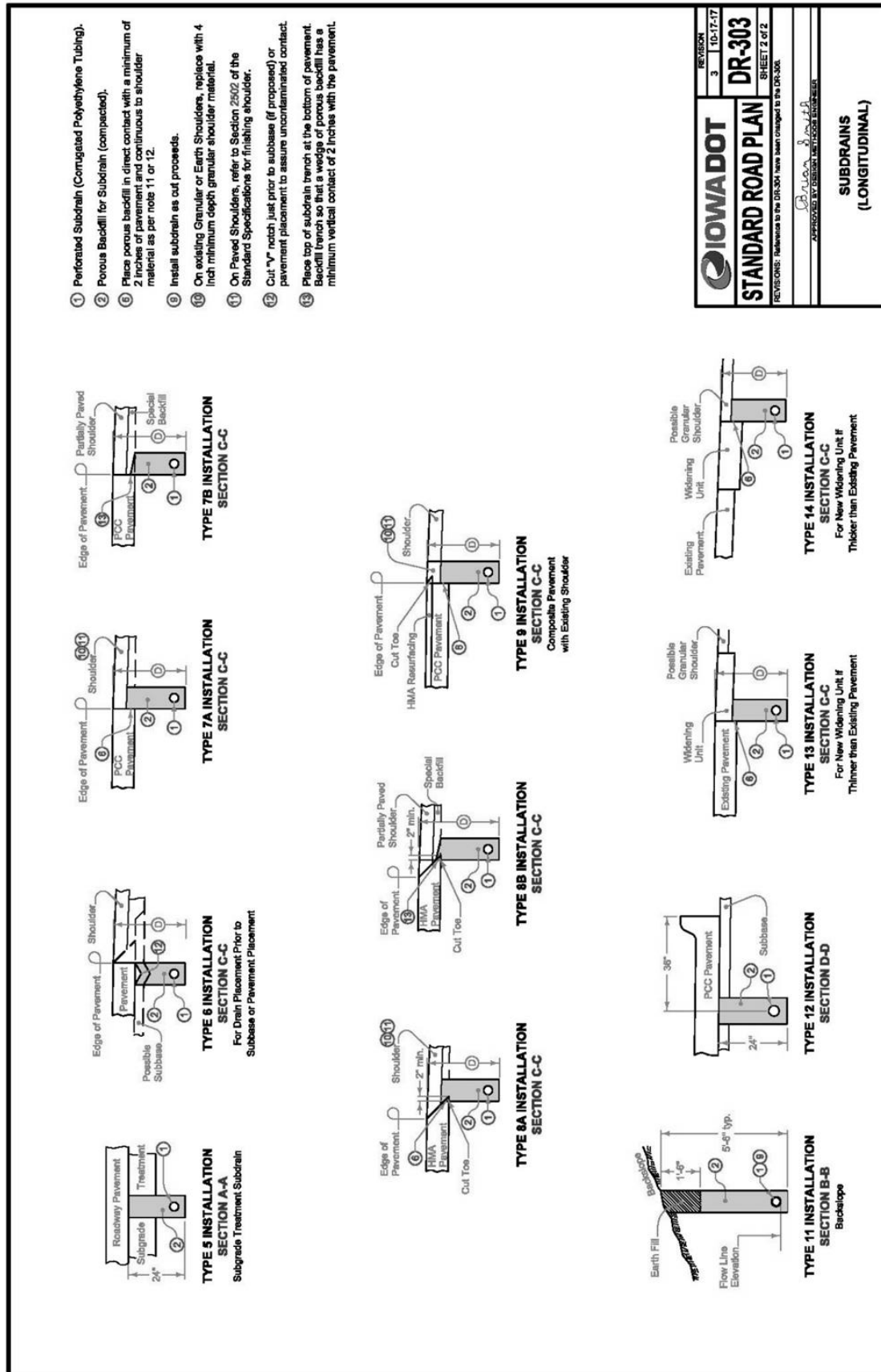
1. DR-301 Subdrains for Fill or Foundation Drainage (Standard)

2. DR-303 Subdrains (Longitudinal)

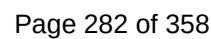
3. DR-306 Precast Concrete Headwall for Subdrain Outlets.

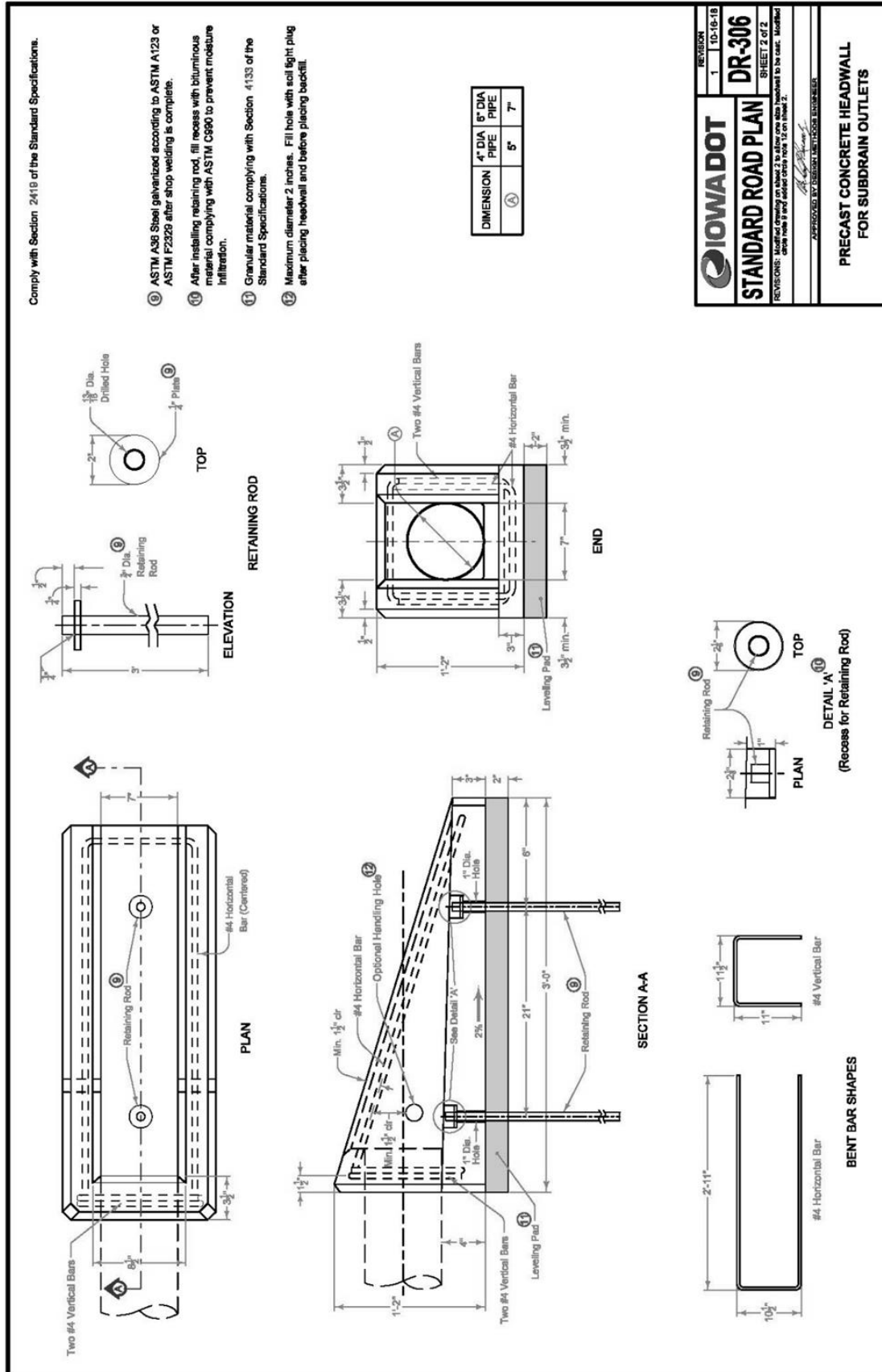






IOWA DOT	REVISION 3 10-12-17
	DR-303
STANDARD ROAD PLAN	
SHEET 2 of 2	
REVISIONS: Reference to the DR-301 have been changed to the DR-303.	
APPROVED BY DESIGN: <i>[Signature]</i> APPROVED BY DESIGN: <i>[Signature]</i>	
SUBDRAINS (LONGITUDINAL)	





SECTION 4050 - PIPE REHABILITATION

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”~~

SECTION 4060 - CLEANING, INSPECTION, AND TESTING OF SEWERS

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”~~

PART 2 - PRODUCTS

2.02 (ADD) FORCE MAIN CLEANING PIG

- A. The force main cleaning pigs shall be light-density crisscross pigs constructed of a minimum of two (2) pounds per cubic foot density foam and coated with polyurethane elastomer in crisscross pattern.
- B. The force main cleaning pigs shall have an open nose design for maximum jetting action and pressure equalization. The pigs shall have the ability to scratch, scrape, plow and jet to assist in cleaning and flushing debris from the force main. The pig units shall be sized to the pipe in accordance with the manufacturer's recommendations and shall have a length two times the diameter. The nose shall be parabolic shaped in order that it may better enter restrictions. The pigs shall have the ability to negotiate mitered and short radius bends, short radius elbows, tees, crosses, and multi-dimensional pipe sizes and valves.
- C. All pipeline pig ingredients shall be certified by the manufacturer as having been successfully used in similar applications and comply with these specifications.

PART 3 – EXECUTION

3.03 VIDEO INSPECTION

- A. (DELETE)-General:
 - 1. ~~Unless otherwise specified in the contract documents conduct video inspection of all new and rehabilitated sanitary and storm sewers after all backfill and compaction operations are completed, but prior to paving.~~
 - 2. ~~Notify the Engineer the day prior to inspection so the Engineer may be present during the inspection.~~

~~3. Notify the Engineer of the extent of noncompliance with the low spot depth tolerances in Section 4010 for sanitary sewers and Section 4020 for storm sewers.~~

~~4. Re-inspect sewers after any corrective action has been completed.~~

B. (DELETE) Inspection Procedure:

~~1. Prior to video inspection, run sufficient water through the pipe to saturate potential low spots so they may be detected during inspection.~~

~~2. Inspect each pipe segment between manholes or access points in a single, continuous run. Progress through the entire project in a uniform direction.~~

~~3. Inspect all lateral connections and other observations at right angles utilizing the pan and tilt capabilities of the camera.~~

~~4. Center the video camera in the pipe during the inspection.~~

~~5. Do not exceed 30 feet of inspection per minute.~~

C. (DELETE) Inspection Reporting:

~~1. Provide a copy of the video inspection including on-screen continuous footage, pipe diameter, direction of viewing, and manhole and street location references in the recording. Affix labels to the recording media to include the name of the project, the date, and the location of the inspection.~~

~~2. Provide a written report of the inspection. In the report, include true-to-scale drawings of all sewer defects and observation locations. Reference the time stamp on each line item entry on the written report.~~

A. (ADD) Prior to acceptance by the City, a television inspection on Sanitary Sewers shall be completed by the contractor. Said TV inspection shall be performed 30 days after backfilling. The TV inspection shall be with a pan & tilt color camera and a footage meter that accurately displays the camera's location on tape.

B. (ADD) The developer/contractor will be required to ensure that an informational meeting is set up between the entity performing the television inspection on the new construction and the City Engineer and/or Sewer Superintendent. The meeting is used to educate the entity's television operator on the proper inspection techniques while televising for the City of Marshalltown. Proper techniques are, but not limited to the following:

1. Identify each structure by proper structure number

2. Separate reports for each line segment televised

3. Pipe preparation before televising, to include cleaning or putting water down the line to show sags

4. Video tape procedures, including procedures for viewing laterals or connections

5. Timeliness in returning videos and paper reports

- C. (ADD) All television inspections shall be provided in digital format (.MPEG, .MPG, or .WMV), PDF written report and in Wincan digital CD format. If not provided in Wincan digital format, the contractor shall pay \$20 per line segment for the information to be data entered into the City system.
- D. (ADD) After review of the videos and written reports, the City of Marshalltown will contact the developer or contractor of a positive review or identify areas that need to be repaired prior to final acceptance. Any repairs will need to be re-televised.

3.07 (ADD) FORCE MAIN CLEANING

- A. All lines shall be thoroughly cleaned before acceptance until all traces of construction materials, soil or other foreign matter have been removed.
- B. The Contractor shall take all necessary measures to protect adjacent facilities and property. Damages caused by water or water carried material shall be the responsibility of the Contractor.
- C. All cleaning shall be completed prior to the initiation of the testing process described in Part 3.06.
- D. Force main cleaning shall be accomplished using a hydraulically propelled polyurethane pig, conforming to the requirements of Part 2 above, to remove all construction debris from the force main.

DIVISION 5 – WATER MAINS AND APPURTENANCES

**NOT USED. SEE MARSHALLTOWN WATER WORKS RULES
AND REGULATIONS**

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DIVISION 6 - STRUCTURES FOR SANITARY AND STORM SEWER

SECTION 6010 - STRUCTURES FOR SANITARY AND STORM SEWERS

PART 1 - GENERAL

1.03 through 1.06: (DELETE) ~~Comply with Division 1 - General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

1.08 MEASUREMENT AND PAYMENT

D. Casting Extension Rings:

1. Measurement: (DELETE) ~~Each casting extension ring will be counted~~ (ADD) None.
2. Payment: (DELETE) ~~Payment will be at the unit price for each casting extension ring~~ (ADD) Incidental to manhole.

1.09 (ADD) ACCEPTANCE CHECKLIST & WARRANTY BOND

Prior to final acceptance of the work, the contractor shall file with the City Clerk of the City of Marshalltown a maintenance bond guaranteeing suitable repairs of any defects or failures due to deficiencies in materials or inadequacies in workmanship for a period of 4 years for all improvements following completion of construction. The bond shall be for a sum equal to the total amount of the project. The contractor shall also file with the City Engineer all other required acceptance checklist items including testing/inspection forms, lateral construction forms, as-built drawings, construction costs and engineering certificate of completion forms. The acceptance checklist and warranty bond form are provided at end of section.

PART 2 - PRODUCTS

2.02 PRECAST

B. (ADD) Pre-cast manholes or parts of pre-cast manholes are preferred in lieu of building on the site.

2.03 CAST-IN-PLACE

- C. (ADD) Manholes will be constructed with no lift holes in the manhole sections.
- D. (ADD) Manholes shall be provided with gasketed joints conforming to ASTM C-443 for rubber “O” ring joints or be sealed with a double layer of a cold-applied mastic joint sealing compound recommended by the manufacturer for the intended use and approved by the Engineer. Comply with ASTM C 990.

2.09 MANHOLE OR INTAKE ADJUSTMENT RINGS (Grade Rings)

- A. Use one of the following materials for grade adjustments of manhole or intake frame and cover assemblies:
1. Reinforced Concrete Adjustment Rings: Comply with ASTM C 478. Provide rings free from cracks, voids, and other defects. (ADD) Concrete adjustment rings will be sealed with a butyl mastic seal between each ring installed and between rings and casting.
 2. High Density Polyethylene Adjustment Rings: Comply with ASTM D 1248 for recycled plastic.
 - d. Install adjustment rings on clean, flat surfaces according to the manufacturer's recommendations with the proper butyl rubber sealant/adhesive (ADD) between each ring and manhole structure/casting.
 3. Expanded Polypropylene Adjustment Rings: Comply with ASTM D 4819 for expanded polypropylene when tested according to ASTM D 2375.
 - d. (ADD) EPP adjustment rings shall be sealed with a moisture curing, polyether adhesive/sealant approved by the manufacturer between each ring and manhole structure/casting.

2.10 CASTINGS (Ring, Cover, Grate, and Extensions)

D. Casting Types:

4. (ADD) Manhole castings shall be provided with a minimum 24-inches clear opening.
5. (ADD) Standard sanitary manhole castings shall meet the requirements of MP-7.1, Type A. Manhole covers shall be provided with a rubber gasket to provide a self-sealing water tight lid when installed. Lids will be furnished with concealed pick holes. Floating castings shall be Type B and may be used with paving projects. Pre-Approved Type A castings are Neenah Foundry Company R-1642, R-1796-E, and R-1900-C; Deeter Foundry Inc. 1247; and East Jordan Iron Works 1040. Pre-Approved Type B castings are Neenah Foundry Company R-1673-B; Deeter Foundry Inc. 1185; and East Jordan Iron Works 1795 and Selflevel 1205 and 3025.
6. (ADD) Castings for manholes in waterways and flood plain locations shall meet the requirements of MP-7.1, Type C. Pre-Approved Type C castings are Neenah Foundry Company R-1916-F, Deeter Foundry Inc. 1247-B, and East Jordan Iron Works 1040 bolted.

2.11 ADDITIONAL MATERIALS FOR SANITARY SEWER MANHOLES

A. Infiltration Barrier:

5. (ADD) Manhole castings with EPP and HDPE adjustment rings properly assembled and sealed will not be required to have a separate casting seal. Manhole castings with concrete adjustment rings will require a separate casting seal.

2.13 STEPS

- A. ~~(DELETE) Provide steps in all circular, precast manholes unless otherwise specified in the contract documents~~ (ADD) Manhole steps will not be installed unless specifically called for on the detailed drawings. When called out on the plans, steps shall conform to the requirements shown thereon and as supplemented herein.

PART 3 - EXECUTION

3.01 GENERAL REQUIREMENTS FOR INSTALLATION OF MANHOLES AND INTAKES

F. Joint Sealant:

1. Sanitary Sewer Manholes:

- a. Install rubber O-ring or profile gasket (precast structures) (ADD) or a double layer of a cold-applied mastic joint sealing compound.

3.08 (ADD) MARSHALLTOWN STANDARD DETAILS

A. Added the following details:

1. MP-5 Typical Sanitary Sewer Manhole Detail
2. MP-6 Typical Sanitary Sewer Drop Manhole Detail
3. MP-7.2 Typical Sanitary Sewer Manhole Casting Seal Detail

3.09 (ADD) DELETED SUDAS FIGURES

A. 6010.306 Chimney Seals for Sanitary Sewer Manholes

B. 6010.307 Drop Connection for Sanitary Sewer Manholes

C. 6010.513 Open-sided Area Intake (Note: May be used with preapproval of Engineer if capacity cannot be matched by another inlet)

MARSHALLTOWN SPECIAL PROVISIONS
FINAL ACCEPTANCE CHECKLIST

- A. Manhole Vacuum testing – for Sanitary Sewers
- B. Warranty Bond – Storm Sewers (See Specifications Part I)
- C. TV Inspection – For Storm Sewer Pipe.
- D. As-Built Drawings – For Storm Sewers
- E. Engineering Certificate of Completion in accordance with the Plans and Specifications – Storm Sewers
- F. Contractors Cost of Construction Report - This is to meet the financial reporting requirements of the city (GASB 34)

LOW PRESSURE/VACUUM TESTING OF SANITARY MANHOLES

PROJECT NAME: _____

LOCATION: _____

CONTRACTOR: _____

LIST MANHOLE TESTED: DATE _____

Manhole No.: _____ Station: _____

Barrel Size: _____ or Dia.: _____

Depth: _____ (Rim to F/L)

Poured in Place _____ or Precast _____

No. of adjusting rings: _____

Manufacturer of Test Device: _____

Manufacturer's test procedure recommendations

TEST INFORMATION:

Low Pressure Method:

Initial Pressure: _____ psi

Starting Test Pressure: _____ psi

Ending Test Pressure: _____ psi

Test Duration: _____ Sec(s)

CONCLUSION: Complies: Yes _____ No _____

Vacuum Method

Initial Vacuum: _____ Hg

Starting Test Vacuum: _____ Hg

Ending Test Vacuum: _____ Hg

Test Duration: _____ Sec(s)

CONCLUSION: Complies: Yes _____ No _____

LIST MANHOLE TESTED: DATE _____

Manhole No.: _____ Station: _____

Barrel Size: _____ or Dia.: _____

Depth: _____ (Rim to F/L)

Poured in Place _____ or Precast _____

No. of adjusting rings: _____

Manufacturer of Test Device: _____

Manufacturer's test procedure recommendations

TEST INFORMATION:

Low Pressure Method:

Initial Pressure: _____ psi

Starting Test Pressure: _____ psi

Ending Test Pressure: _____ psi

Test Duration: _____ Sec(s)

CONCLUSION: Complies: Yes _____ No _____

Vacuum Method

Initial Vacuum: _____ Hg

Starting Test Vacuum: _____ Hg

Ending Test Vacuum: _____ Hg

Test Duration: _____ Sec(s)

CONCLUSION: Complies: Yes _____ No _____

LIST MANHOLE TESTED: DATE _____

Manhole No.: _____ Station: _____

Barrel Size: _____ or Dia.: _____

Depth: _____ (Rim to F/L)

Poured in Place _____ or Precast _____

No. of adjusting rings: _____

Manufacturer of Test Device: _____

Manufacturer's test procedure recommendations

TEST INFORMATION:

Low Pressure Method:

Initial Pressure: _____ psi

Starting Test Pressure: _____ psi

Ending Test Pressure: _____ psi

Test Duration: _____ Sec(s)

CONCLUSION: Complies: Yes _____ No _____

Vacuum Method

Initial Vacuum: _____ Hg

Starting Test Vacuum: _____ Hg

Ending Test Vacuum: _____ Hg

Test Duration: _____ Sec(s)

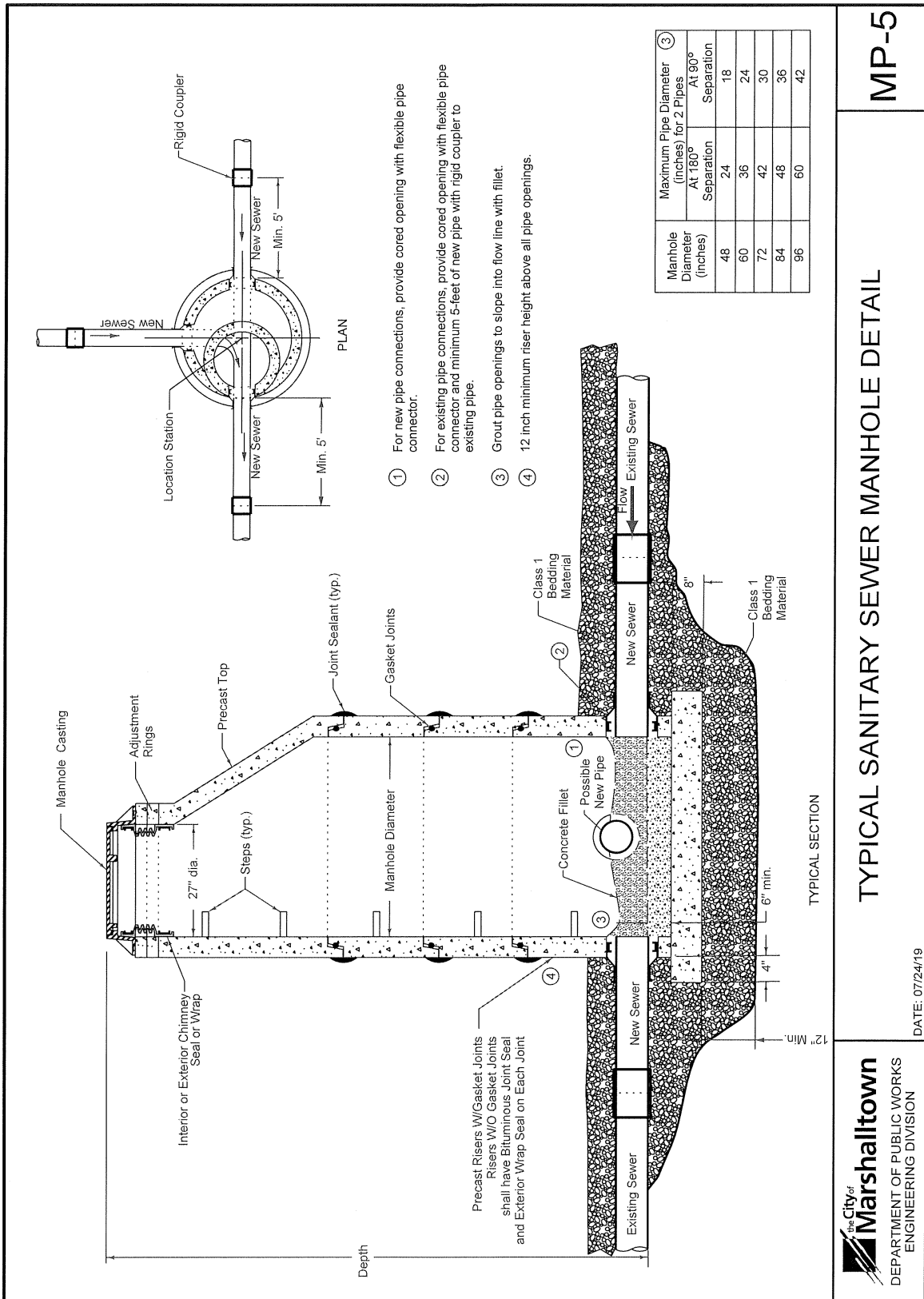
CONCLUSION: Complies: Yes _____ No _____

Testing procedures observed and
Information recorded by:

Results reviewed and affirmed by:

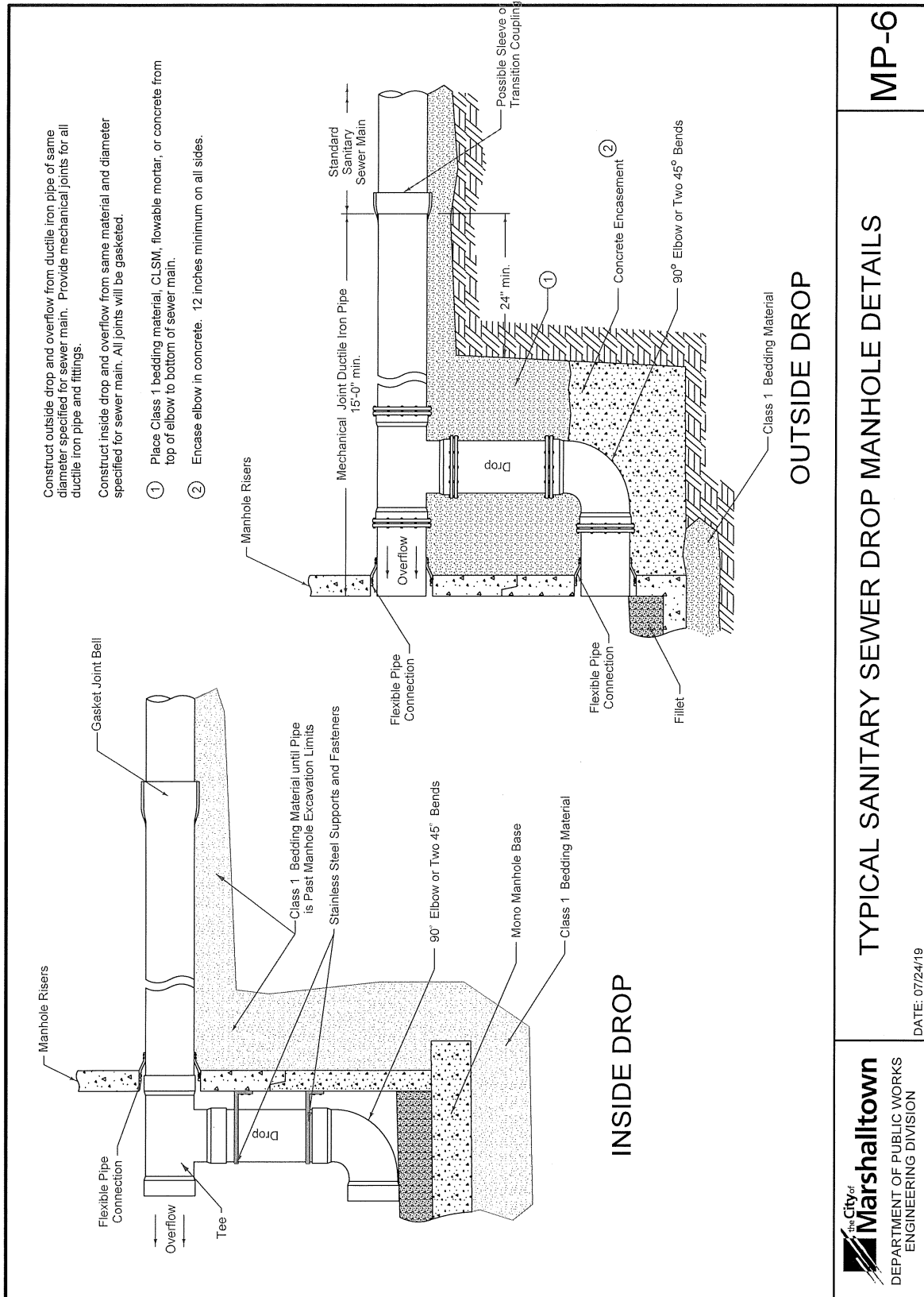
Project Representative

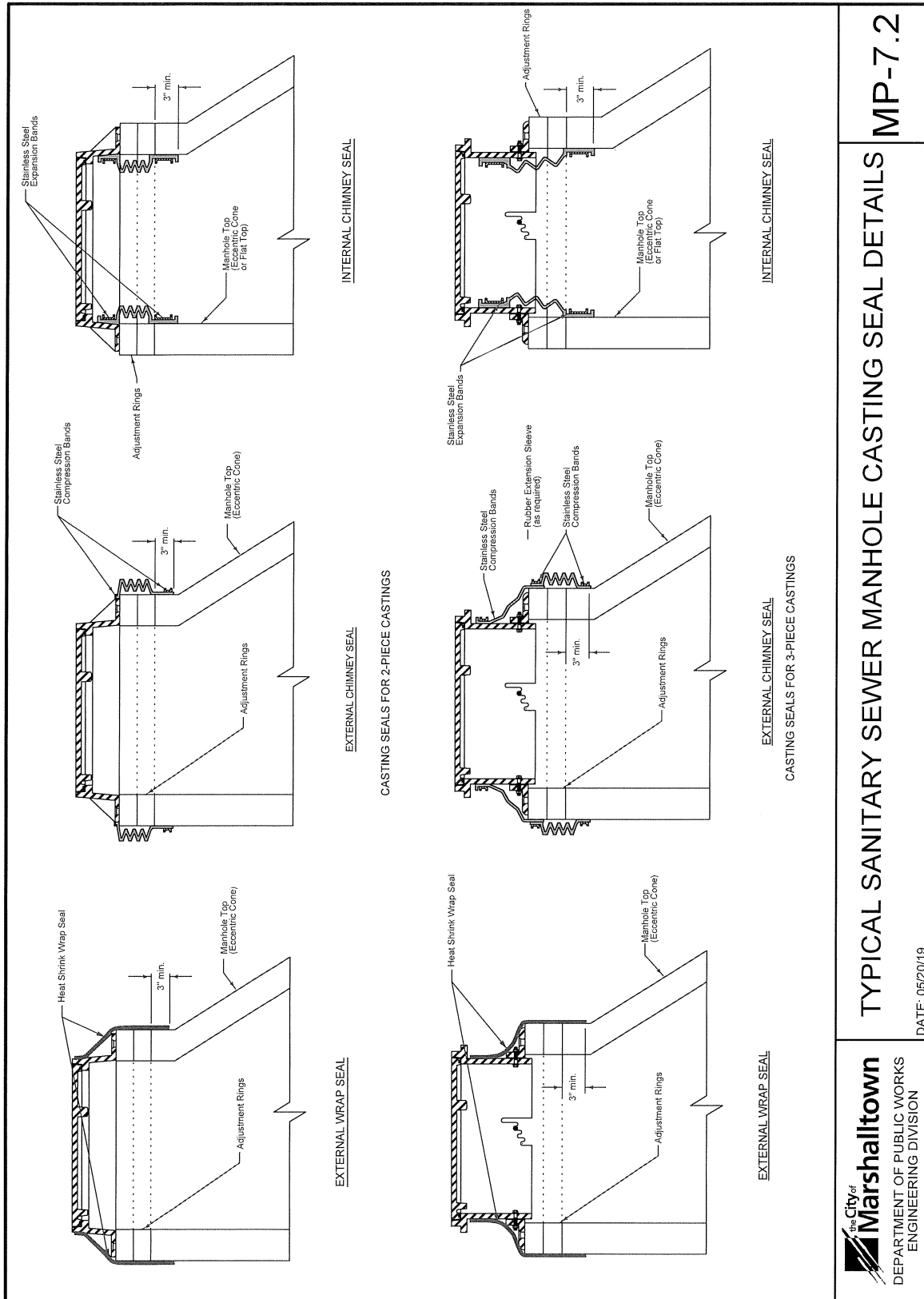
Project Engineer
City of Marshalltown, Iowa

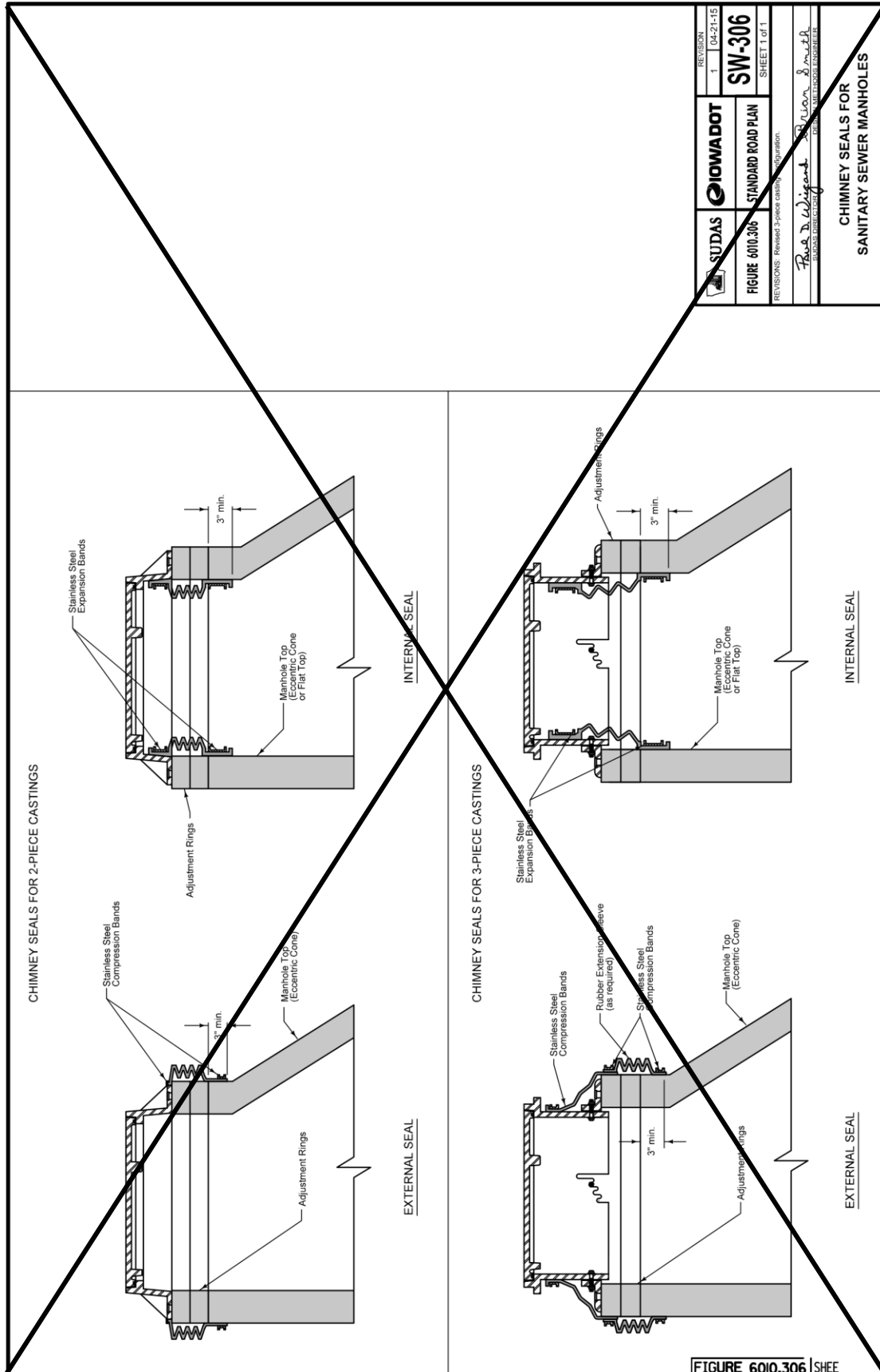


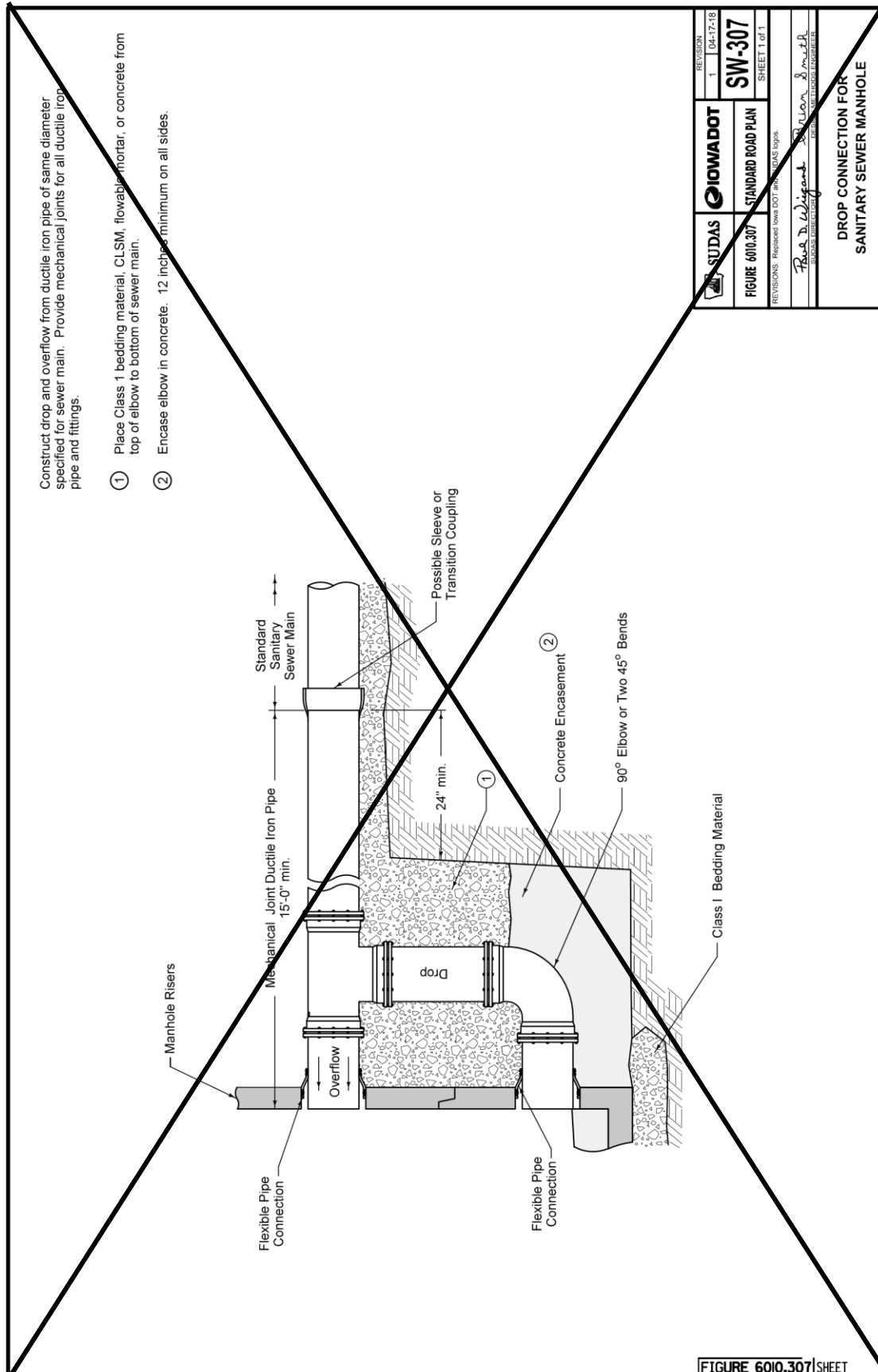
TYPICAL SANITARY SEWER MANHOLE DETAIL

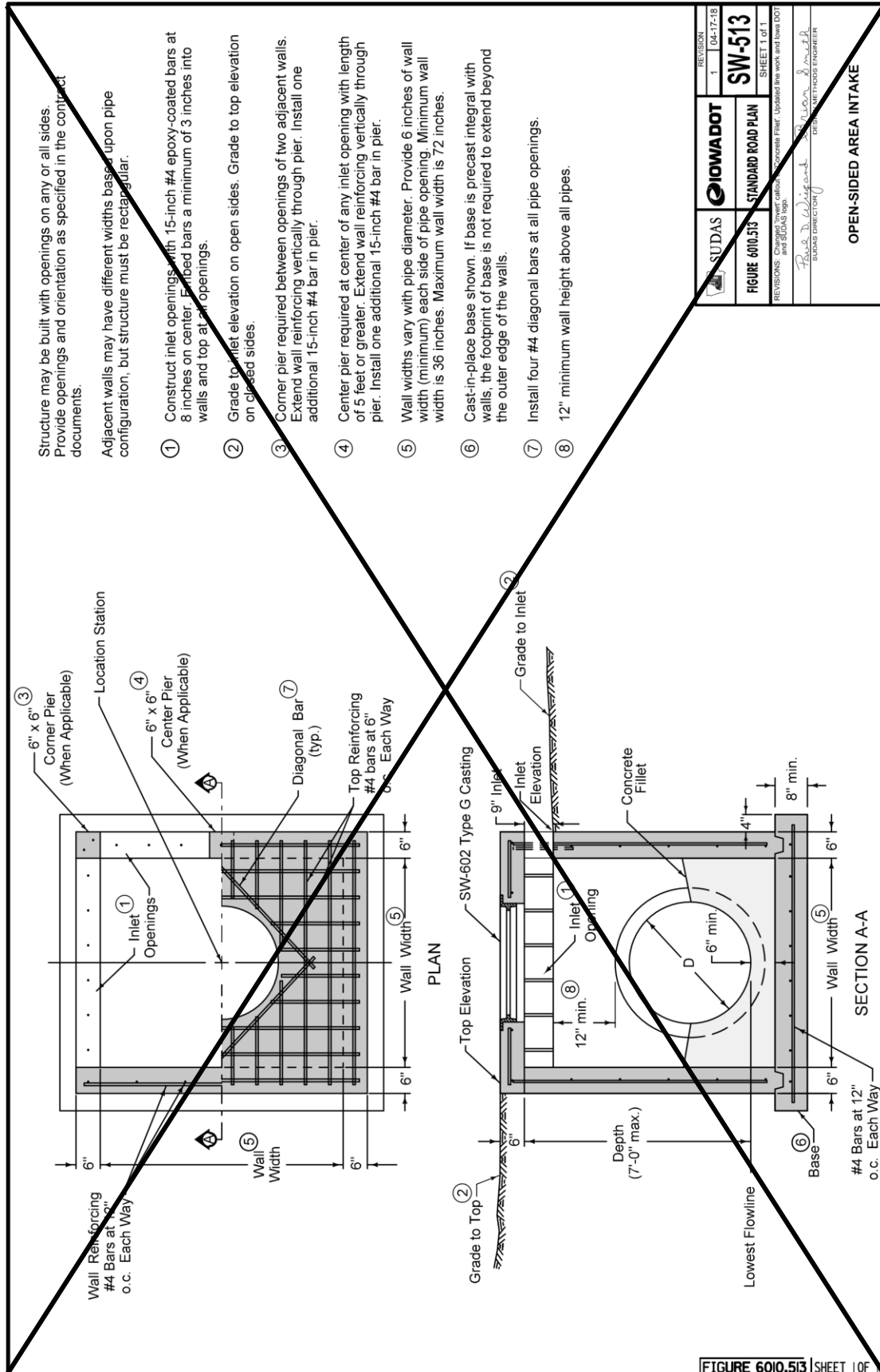
MP-5











SECTION 6020 - REHABILITATION OF EXISTING MANHOLES

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

SECTION 6030 - CLEANING, INSPECTION, AND TESTING OF STRUCTURES

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

DIVISION 7 - STREETS AND RELATED WORK

SECTION 7010 -PORTLAND CEMENT CONCRETE PAVEMENT

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1—General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

PART 3 - EXECUTION

3.02 PAVEMENT CONSTRUCTION

C. Surface Fixture Adjustment:

1. Adjust manhole frames and other fixtures within area to be paved to conform to finished surface. Comply with Section 6010 (DELETE), ~~3.04~~ (ADD) and 6020 for manhole adjustments (DELETE) ~~and Section 5020, 3.04 for water fixture adjustments.~~

I. Finishing:

5. Surface Treatment:

- b. ~~(DELETE) Surface Tining:~~ When surface tining is specified, use a longitudinal tining. Under special circumstances, when specified in the contract documents, transverse tining may be required.

~~1) Longitudinal:~~

- a) ~~Complete longitudinal surface tining using a machine with a wire broom or comb. For small or irregular areas, or during equipment breakdown, hand methods may be used. Use a broom or comb with a single row of tines 1/8 inch (+/- 1/64 inch) in width and uniformly spaced at 3/4 inch intervals. The depth of the grooves must be a minimum of 1/8 inch to a maximum of 3/16 inch in the plastic concrete.~~
- b) ~~Use equipment with horizontal and vertical string line controls to ensure straight grooves.~~
- c) ~~Conduct this operation at such time and in such manner that the desired surface texture will be achieved while minimizing displacement of the larger aggregate particles and before the surface permanently sets.~~
- d) ~~At longitudinal joints, leave a 2 to 3 inch wide strip of pavement surface (centered along the joint) that is not grooved for the length of the joint.~~

~~2) Transverse:~~

- ~~a) If transverse surface tining is required or allowed, use a machine with a wire broom or comb. For small or irregular areas, or during equipment breakdown, hand methods may be used. Use a broom or comb with a single row of tines 1/8 inch (+/- 1/64 inch) in width and randomly spaced from 3/8 inch to 1 5/8 inch with no more than 50% of the spacing exceeding 1 inch. The depth of the grooves must be a minimum of 1/8 inch to a maximum of approximately 3/16 inch in the plastic concrete.~~
- ~~b) Conduct this operation at such time and in such manner that the desired surface texture will be achieved while minimizing displacement of the larger aggregate particles and before the surface permanently sets.~~
- ~~c) Where abutting pavement is to be placed, the tining should extend as close to the edge as possible without damaging the edge.~~
- ~~d) If abutting pavement is not to be placed, do not tine the 6 inch area nearest the edge or 1 foot from the face of the curb.~~

3.03 CURB AND GUTTER CONSTRUCTION (DELETE) (See Figure 7010.102 (ADD) MD-2 Curb and Gutter Details.)

- B. Use a paving machine for curb and gutter. For curb and gutter sections less than 250 feet, hand finish methods may be used (ADD) if approved by the City Engineer.

3.04 PAVEMENT PROTECTION

- A. Weather Conditions: Do not place concrete when stormy or inclement weather or temperature prevents good workmanship. Temperature restrictions and protection requirements may be modified by the Engineer under unusual conditions.

1. Cold Weather:

- 2) Stop mixing and placing when the air temperature is 38°F or less and falling or if the temperature stops rising and does not reach 38°F.
 - a) (ADD) When air temperature falls below 38°F, paving may continue if Contractor follows the requirements set forth in ACI 306 for cold weather concrete.
 - b) (ADD) ACI 306 will require specific temperatures of the concrete mixture for placement and curing. If these minimum temperatures cannot be maintained, concrete placement will not be allowed to continue.
 - c) (ADD) For reference, the temperature requirements are provided in the following table from ACI 306R-10:

(ADD) Table 5.1—Recommended Concrete Temperatures

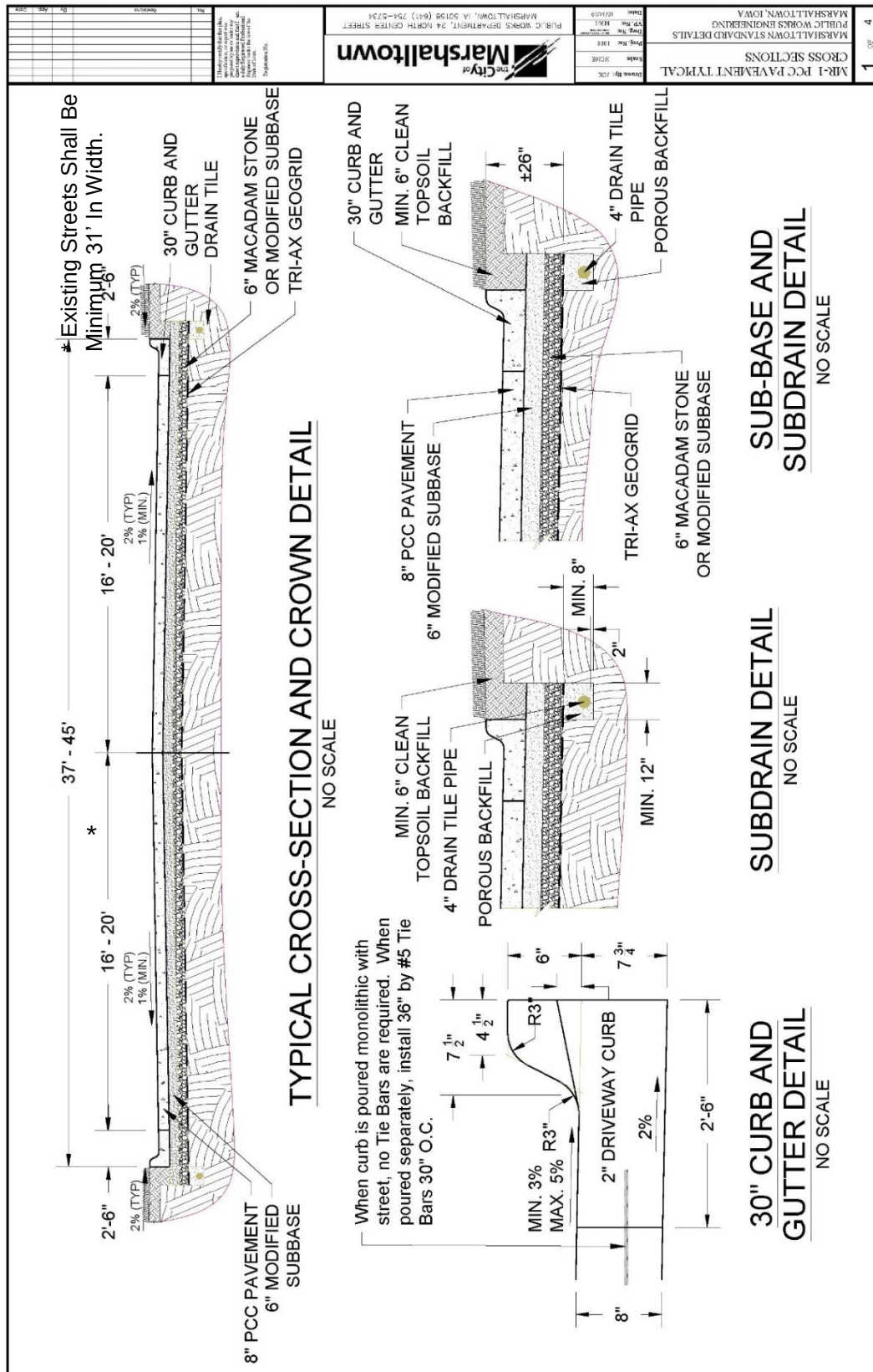
		Section size, minimum dimension			
		< 12 in. (300 mm)	12 to 36 in. (300 to 900 mm)	36 to 72 in. (900 to 1800 mm)	> 72 in. (1800 mm)
Line	Air Temperature	Minimum concrete temperature as placed and maintained			
1		55°F (13°C)	50°F (10°C)	45°F (7°C)	40°F (5°C)
		Minimum concrete temperature as mixed for indicated air temperature *			
2	Above 30°F (-1°C)	60°F (16°C)	55°F (13°C)	50°F (10°C)	45°F (7°C)
3	0 to 30°F (-18 to -1°C)	65°F (18°C)	60°F (16°C)	55°F (13°C)	50°F (10°C)
4	Below 0°F (-18°C)	70°F (21°C)	65°F (18°C)	60°F (16°C)	55°F (13°C)
5		Maximum allowable gradual temperature drop in first 24 hours after end of protection			
		50°F (28°C)	40° (22°C)	30°F (17°C)	20°F (11°C)

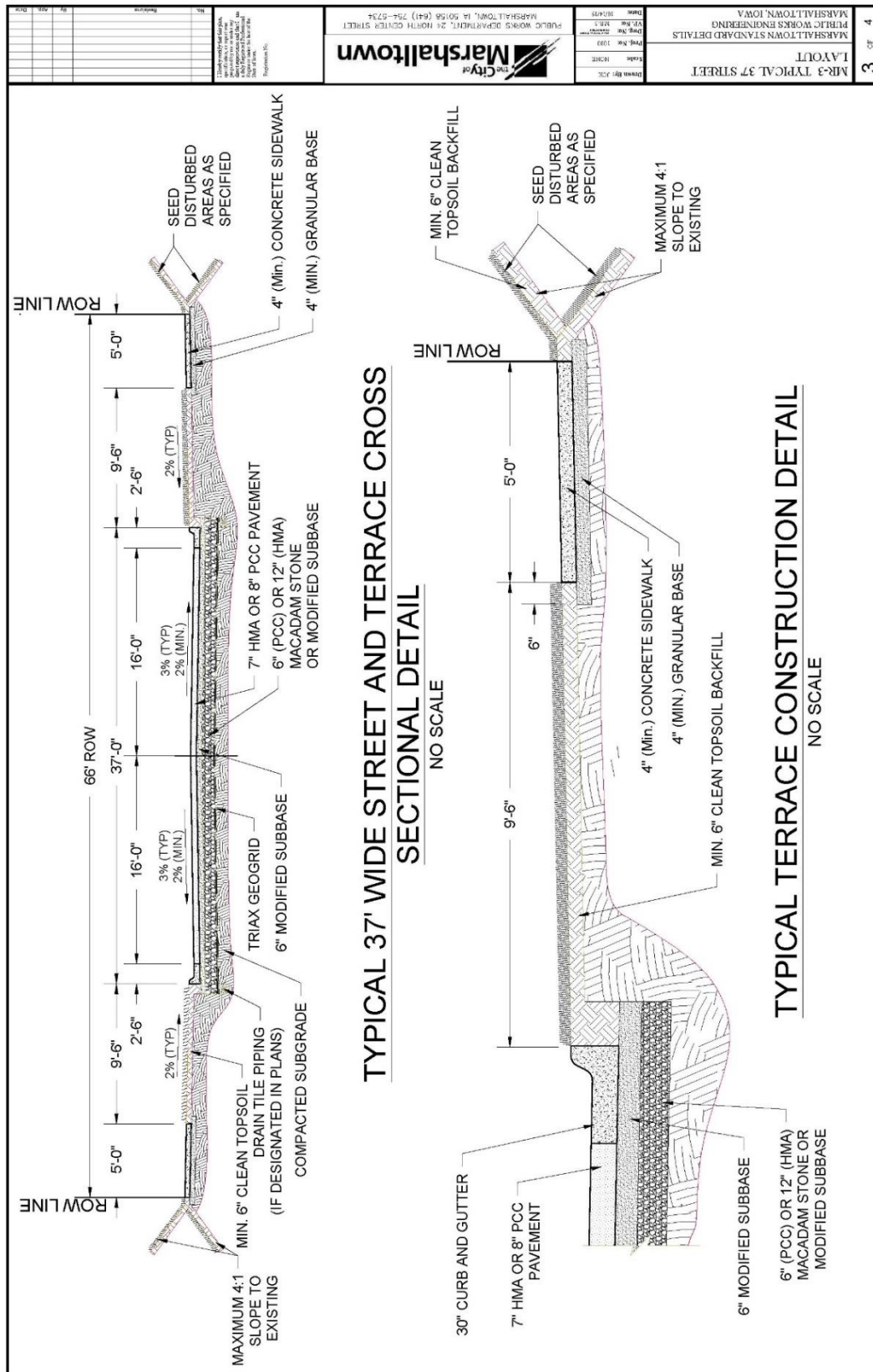
* For colder weather, a greater margin in temperature is provided between concrete as mixed and required minimum temperature of fresh concrete in place.

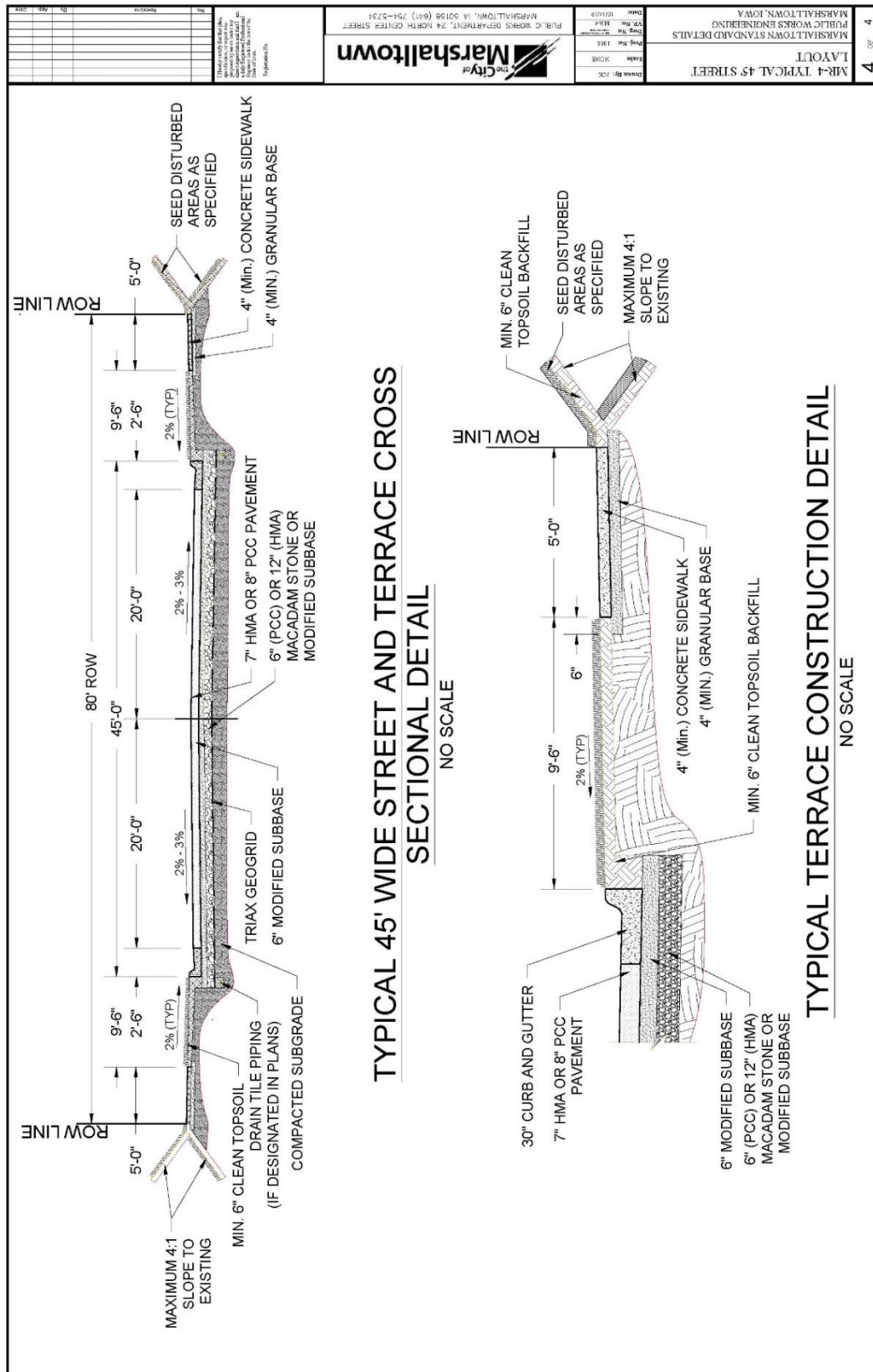
3.08 (ADD) MARSHALLTOWN STANDARD DETAILS

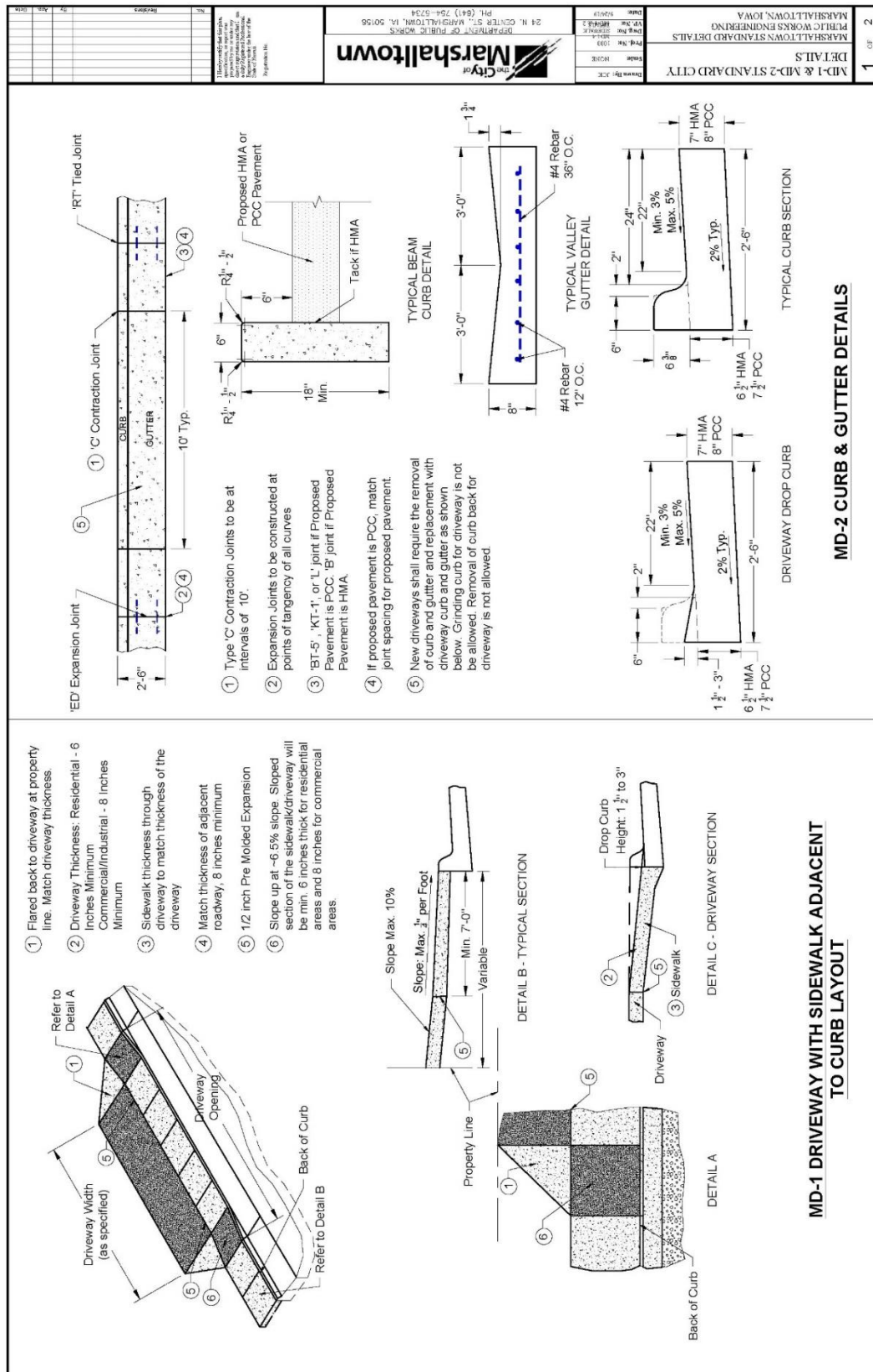
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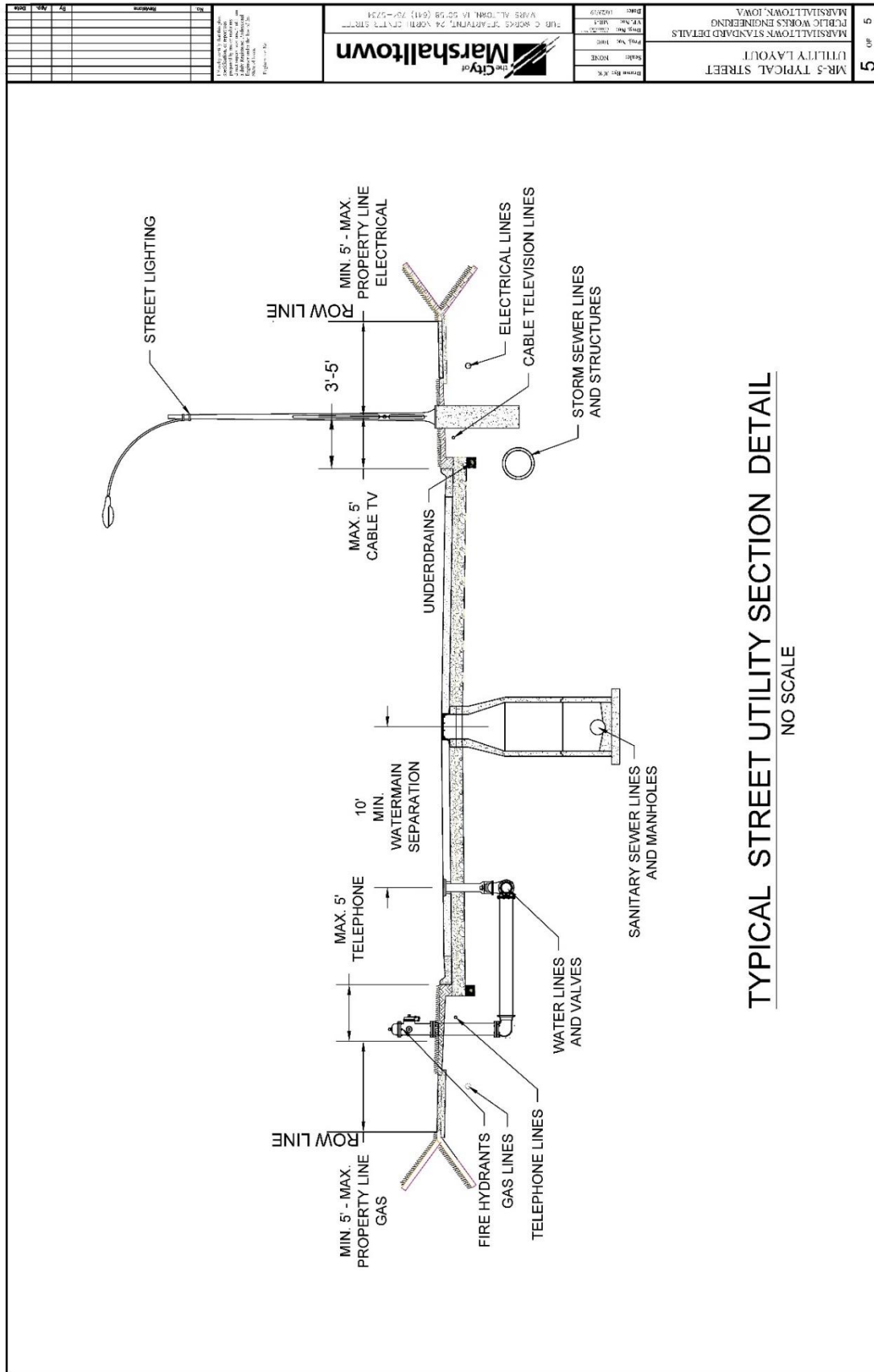
1. MR-1 PCC Pavement Typical Cross Sections
2. MR-3 Typical 37' Street Layout
3. MR-4 Typical 45' Street Layout
4. MD-2 Typical Curb and Gutter Details
5. MR-5 Typical Street Utility Section Detail
6. MR-6 Typical Street Intersection Detail











SECTION 7011 - PORTLAND CEMENT CONCRETE OVERLAYS

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

SECTION 7020 - HOT MIX ASPHALT PAVEMENT

PART 1 - GENERAL

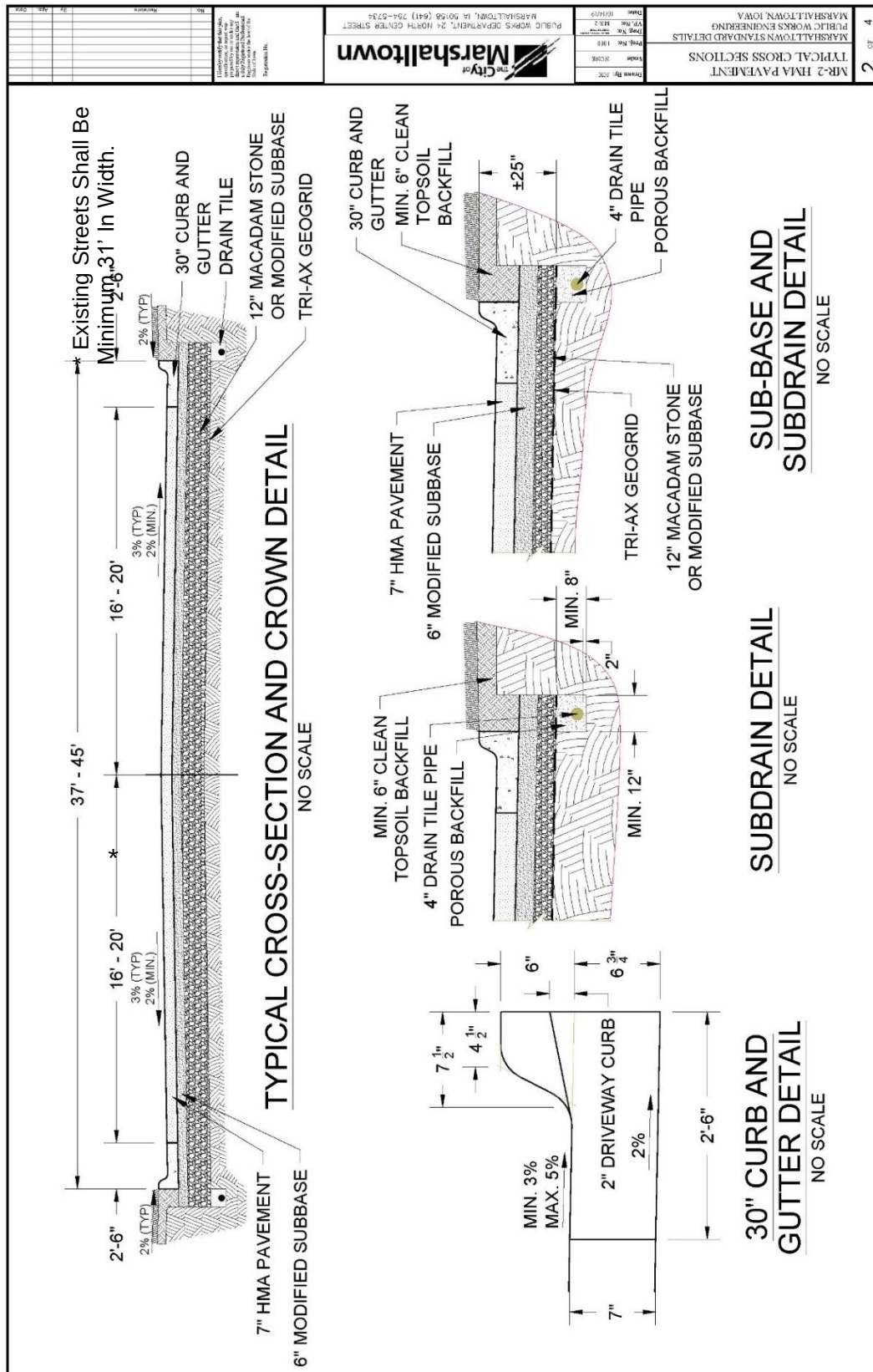
1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

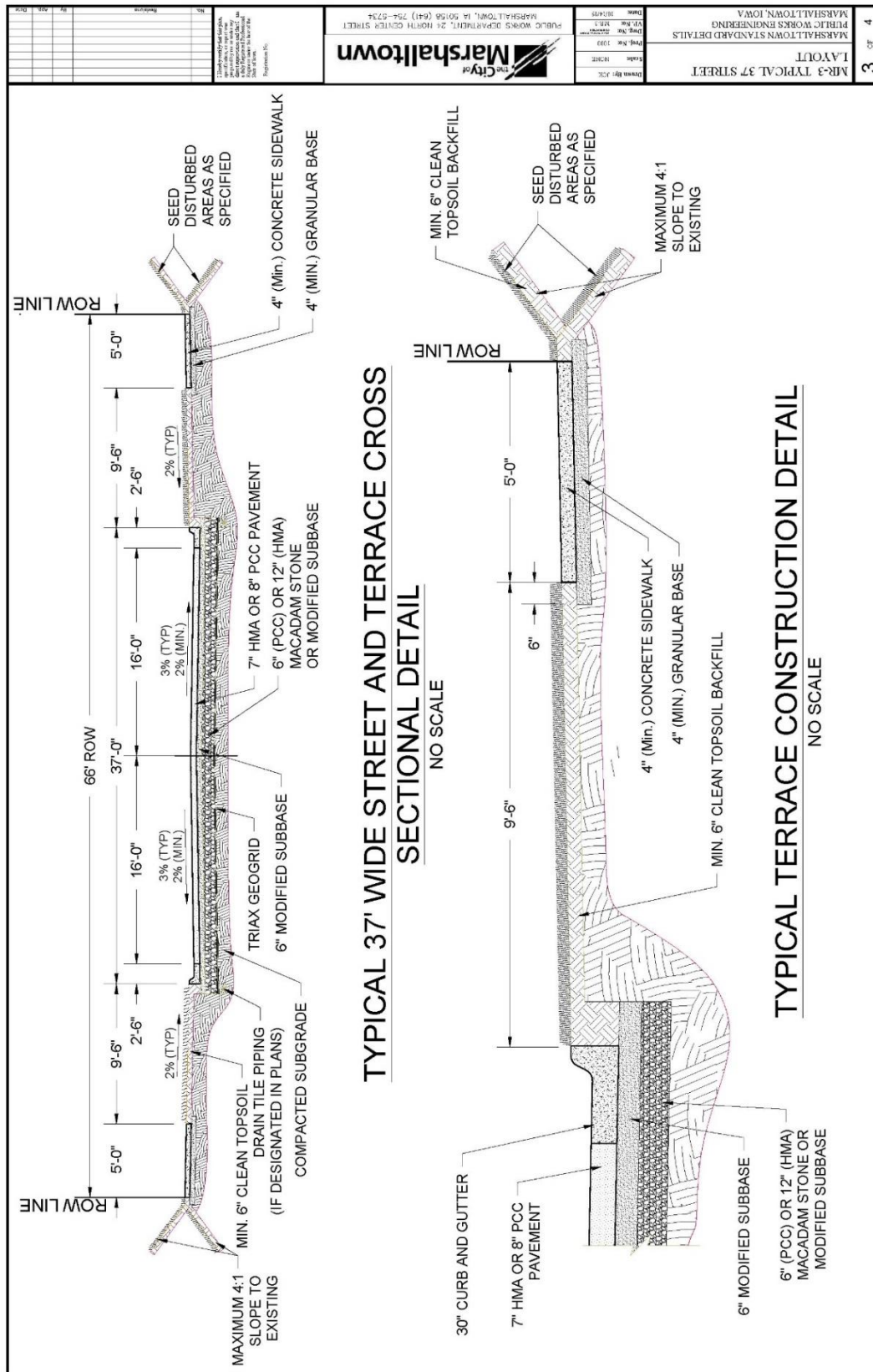
PART 3 - EXECUTION

3.09 (ADD) MARSHALLTOWN STANDARD DETAILS

A. Added the following details:

1. MR-2 HMA Pavement Typical Cross Sections
2. MR-3 Typical 37' Street Layout
3. MR-4 Typical 45' Street Layout
4. MR-6 Typical Street Intersection Detail





SECTION 7021 - HOT MIX ASPHALT OVERLAYS

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”~~

SECTION 7030 - SIDEWALKS, SHARED USE PATHS, AND DRIVEWAYS

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”~~

PART 2 - PRODUCTS

2.01 PORTLAND CEMENT CONCRETE

- A. Class (DELETE) B or C concrete with materials complying with Section 7010. Use coarse aggregate of Class 2 durability or better.

Table 7030.01: PCC Mixes

Type of Concrete	Machine Finish	Hand Finish
	Class (DELETE) B or C	Class(DELETE) B or C
Slump Minimum	1/2 in.	1/2 in.
Slump Maximum	2 1/2 in.	4 in.
Percent Air Content		
• Target	7%	7%
• Minimum	6%	6%
• Maximum	8 1/2%	8 1/2%

2.07 DETECTABLE WARNINGS

- A. (DELETE) ~~Use manufactured detectable warning panels with a non-slip surface and raised truncated domes. Comply with the Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way (also known as PROWAG) for contrast and dimension requirements. Also comply with Iowa DOT Materials I.M. 411.~~
- A. (ADD) Detectable warning surfaces are a requirement of the Americans with Disabilities Act (ADA) and required when construction and altering curb ramps and street pavement. The Truncated domes are the only detectable warnings allowed by ADA.

- B. (ADD) Detectable warnings shall consist of cast-iron or steel panels with a minimum width of 24-inches and lengths of 24-inches and/or 30-inches. The panels shall be slip resistant and extend the full width of the curb ramp.
- C. (ADD) Panels shall be provided with anchors for casting into concrete surfacing.
- D. (ADD) Per ADA guidelines, the truncated domes shall be aligned in a square pattern and have a maximum 1.4-inch base diameter and a height of 0.2-inch. They shall be spaced 2.4-inches apart from one another and have a base-to-base spacing of at least 0.65-inch.
- E. (ADD) The visual contrast between adjoining surfaces shall be satisfied with a natural patina.

2.10 (ADD) CONCRETE CURING COMPOUND

A. General:

- 1. Comply with ASTM C 309. White pigmented compounds are typically used for most construction. However, clear compounds may be used adjacent to businesses and homes to reduce tracking problems.

B. Sprayability:

- 1. Use compounds of a consistency that they can be readily applied by spraying to a uniform coating at a material temperature above 40°F.

2. Moisture Retention:

- 3. White pigmented liquid curing compounds, when tested in accordance with ASTM C156 using an application rate of 200 square feet per gallon shall restrict the loss of water to not more than 0.20 kg/m² in 24 hours or 0.40 kg/m² in 72 hours.

C. Drying Time:

- 1. Use liquid curing compounds that:
 - a. Dry to the touch in no more than 4 hours, and
 - b. Do not track off the concrete when walked upon after 12 hours.

D. White Pigmented Compounds.

- 1. Use compounds consisting of finely ground white pigment and vehicle, ready mixed for use without alteration.
- 2. Ensure the pigment does not settle excessively or cake in the container, and thicken in storage to cause a change in consistency which may result in a non-uniform spray.
- 3. Use a compound that after being sprayed on a test slab and drying has an apparent daylight reflectance no less than 60% relative to magnesium oxide.
- 4. Agitate the compound just prior to it being removed from the container. Agitate it continuously during application.

E. Clear Compounds:

1. Apply the following in lieu of other requirements of this section:
2. Use clear liquid membrane curing compounds complying with the requirements of ASTM C309, Type 1-D, Class A. Use only one type of compound on a structure. Do not use different compounds on the same structure.
3. Agitate the compound just prior to it being removed from the container. Agitate it continuously during application.

2.11 (ADD) GRANULAR SUBBASE MATERIAL

A. Aggregate of the following types:

1. Crushed stone.
2. Gravels of which 30% or more of the particles retained on the 3/8-inch sieve have at least one fractured face as specified in Iowa DOT Materials I.M. 305.
3. Crushed PCC pavement meeting the requirements specified in Iowa DOT Materials I.M. 210, or
4. Uniformly blended combinations of these materials.

B. Gradation:

1. Crushed material: Meet the requirements for Gradation No. 12a of the Aggregate Gradation Table, specified in Iowa DOT Article 4109.02.
2. Gravel: Meet the requirements for Gradation No. 12b of the Aggregate Gradation Table, specified in Iowa DOT Article 4109.02.

C. Quality:

1. The requirements of the following table apply to the individual virgin aggregates before combining:

(ADD) Coarse Aggregate Quality (Virgin Material)

Coarse Aggregate Quality	Maximum Percent Allowed	Test Method
Abrasion	50	AASHTO T 96
Alumina ^(a)	1.5	Office of Materials Test Method No. Iowa 222
A Freeze	25	Office of Materials Test Method No. Iowa 211, Method A
(a) If the Alumina value fails, determine the A Freeze value for specification compliance. Office of Materials Test Method No. Iowa 222 does not apply to gravel.		

PART 3 - EXECUTION

3.04 PCC SIDEWALKS, SHARED USE PATHS, AND DRIVEWAYS

- A. Form Setting: Comply with Section 7010 with the following additional requirements and exceptions.
2. Wood forms are allowed. (ADD) Wood forms shall be full height of concrete depth, i.e., wood forms for 4-inches depth sidewalk shall not be a standard industry 1x4 or 2x4.
 5. Measure or stake as required to construct project elements. If either of the following is met and construction survey is not a bid item, the Contracting Authority will verify that form work complies with the design requirements:
 - c. (ADD) The design cross slope of the sidewalk, turning space, or shared use path shall not exceed 2.0% or be less than 1.0%.
 - d. (ADD) The design cross slope of any driveway crossing a sidewalk or shared use path shall not exceed 2.0% or be less than 1.0%.
 - e. (ADD) The design cross slope of driveways located between the street and the sidewalk shall not be more than 10% nor less than 1.0%.
- B. Concrete Pavement Placement:
3. Driveways: Comply with Figures (ADD) MD-1, MD-2, 7030.101 and 7030.102 and Section 7010. The use of a paving machine is not required.
- E. Form Removal: Comply with Section 7010 (ADD) and.
1. (ADD) Timing:
 - a. Remove forms after the initial set of the concrete has taken place.
 - b. Remove stakes and forms with care to prevent cracking, spalling, or over stressing concrete. If damage does occur, repairs will be made as required by the Engineer.
 2. (ADD) Honeycomb Repair:
 - a. When the forms are removed, fill honeycombs with mortar composed of one (1) part cement and two (2) parts fine aggregate by weight.
 - b. If the honeycombing is to the degree and nature that it is considered by the Engineer as defective work, remove and replace at no additional cost to the City.
 3. (ADD) Remove all excess concrete from areas along forms and/or backfill area. No excess concrete shall be allowed along edges of sidewalks, trails or curbing.
 4. (ADD) In the area adjacent to the new concrete, immediately place backfill after the forms are removed. Construct dams or other protection to ensure that no saturation or erosion of the subgrade under or near the surfacing occurs. This may include check dams, pumping, etc.

5. (ADD) Material used for backfilling shall be free from spongy or vegetative substances, rocks, asphalt, broken concrete, frozen material or any other debris. The top six (6) inches shall be a soil suitable for growing grass.

F. Jointing:

2. Transverse Contraction Joints:

a. Shared Use Paths (ADD) and Sidewalks:

- 1) Space transverse joints equal to the width of the shared use path, or as specified in the contract documents.
- ~~2) (DELETE) Saw contraction joints according to Section 7010.~~
- 2) Saw contraction joints within 12-hours of placement with a 1/8-inch blade saw to a depth of 1/3 the pavement thickness.
- 3) Use a straightedge if joints are sawed with a hand-held saw.

b. ~~(DELETE) Sidewalks and Driveways:~~

- 1) ~~(DELETE) Space sidewalk contraction joints equal to the width of the sidewalk.~~ (ADD) Space driveway contraction joints to match sidewalk joints whenever possible. Joints shall be spaced to form rectangular panels where the long dimension does not exceed 1-½ times the short dimension. In no case will the panel length exceed 9-feet for 6-inches of concrete or 12-feet for 8-inches of concrete.
- 2) ~~(DELETE) Space driveway contraction joints so panel length does not exceed 12 feet.~~ (ADD) Contraction joints shall be sawn within 12-hours of placement with a 1/8-inch blade saw to a depth of 1/3 the pavement thickness.
- 3) ~~(DELETE) Form transverse contraction joints to a depth of 1 1/4 inches with a pointed trowel or jointing tool. In lieu of forming, joints may be sawed within 12 hours of placement with a 1/8 inch blade saw to a depth of 1/3 the pavement thickness.~~ (ADD) Use a straightedge if joints are sawn with a hand-held saw.

3. Longitudinal Contraction Joints:

a. Shared Use Paths and Sidewalks: Saw joint to 1/8 inch wide and to a depth of 1/3 the pavement thickness.

- 1) (ADD) Longitudinal contraction joints will be placed when the width of the path/sidewalk exceeds 6-feet for 4-inches concrete or 9-feet for 6-inches concrete.
- 2) (ADD) Contraction joints shall be sawn within 12-hours of placement with a 1/8-inch blade saw to a depth of 1/3 the pavement thickness. Use a straightedge if joints are sawn with a hand-held saw.

b. Driveways:

- 1) (DELETE) ~~Space longitudinal contraction joints so panel width does not exceed 12 feet.~~ (ADD) Space longitudinal contraction joints so panel length or width does not exceed 9-feet for 6-inches of concrete or 12-feet for 8-inches of concrete.
- 2) (DELETE) ~~Form longitudinal contraction joints to a depth of 1 1/4 inches with a pointed trowel or jointing tool. In lieu of forming, joints may be sawed with a 1/8 inch blade saw to a depth of 1/3 the pavement thickness. Use a straightedge if joints are sawed with a hand-held saw.~~ (ADD) Contraction joints shall be sawn within 12 hours of placement with a 1/8-inch blade saw to a depth of 1/3 the pavement thickness. Use a straightedge if joints are sawn with a hand-held saw.

G. (ADD) Granular Base:

1. (ADD) Shared Use Paths and Sidewalks will be placed on a minimum of 4-inches of compacted granular base.
2. (ADD) Driveways shall be placed on a minimum of 6-inches of compacted granular base.
3. (ADD) Granular Base shall be compacted to a minimum 98% Standard proctor density at a moisture content of $\pm 3\%$ of optimum moisture as determined by ASTM D698.

3.13 (ADD) SIDEWALK GRADES

- A. All staking for sidewalk grades, grading subgrade preparation and form installation will be the full responsibility of the contractor. The City Engineers office will inspect the forms and subgrade preparation prior to concrete placement.
- B. When a new sidewalk is being constructed and the grade is different than the present adjoining sidewalks, the following shall apply:
- C. Beginning at the property line the slope of the sidewalk shall be a maximum 8.3% from the adjoining sidewalk to the grade of the new sidewalk. When the existing sidewalk cross slope does not meet requirements, a transition segment shall be installed to match existing slope. See SUDAS Figures 7030.204, 7030.206, 7030.207, 7030.208 and 7030.209.

3.14 (ADD) SIDEWALK ALIGNMENT:

- A. Unless otherwise approved by the City Engineer the back of the sidewalk shall match the adjoining property line.
- B. All private sidewalks joining the City Sidewalk will be built to the new sidewalk grade. Driveway sidewalks may remain at the present grade unless they are being replaced, and if they are being replaced they will be built to the proper grade.

- C. The Standard City Sidewalk grade is a quarter ($\frac{1}{4}$) inch per foot maximum across the sidewalk and half ($\frac{1}{2}$) inch per foot across the terrace to the street. Deviations from this standard grade will be allowed only with the approval of the City Engineer and only in areas where existing walks are at a nonstandard grade or where a standard grade will cause a severe hardship to the adjacent property owners.

3.15 (ADD) INSPECTIONS

When the Contractor is ready to pour the sidewalk, an inspection shall be requested from the City Engineer's office. Enough advance notice shall be given to provide ample time for the inspector to get to the job site and inspect the work so the contractor can make any changes required, before the concrete arrives.

3.16 (ADD) CURB CUTS

- A. It shall be unlawful for any person, firm, or corporation to cut or remove any curbing for any purpose without first securing a written permit from the City Engineer.
- B. Grinding of curbs for driveway entrances are not allowed. Removal of back of curb and extending driveway to gutter pan is not allowed.
- C. All curb cuts shall be made by removal of existing curb (if required) and replacement with either driveway curb (and gutter) or handicap curb (and gutter) as provided in the City of Marshalltown MD-1, MD-2 Details and SUDAS Figures 7030.101R, 7030.102R, 7030.204, 7030.205, 7030.206, 7030.207, 7030.208 and 7030.209.

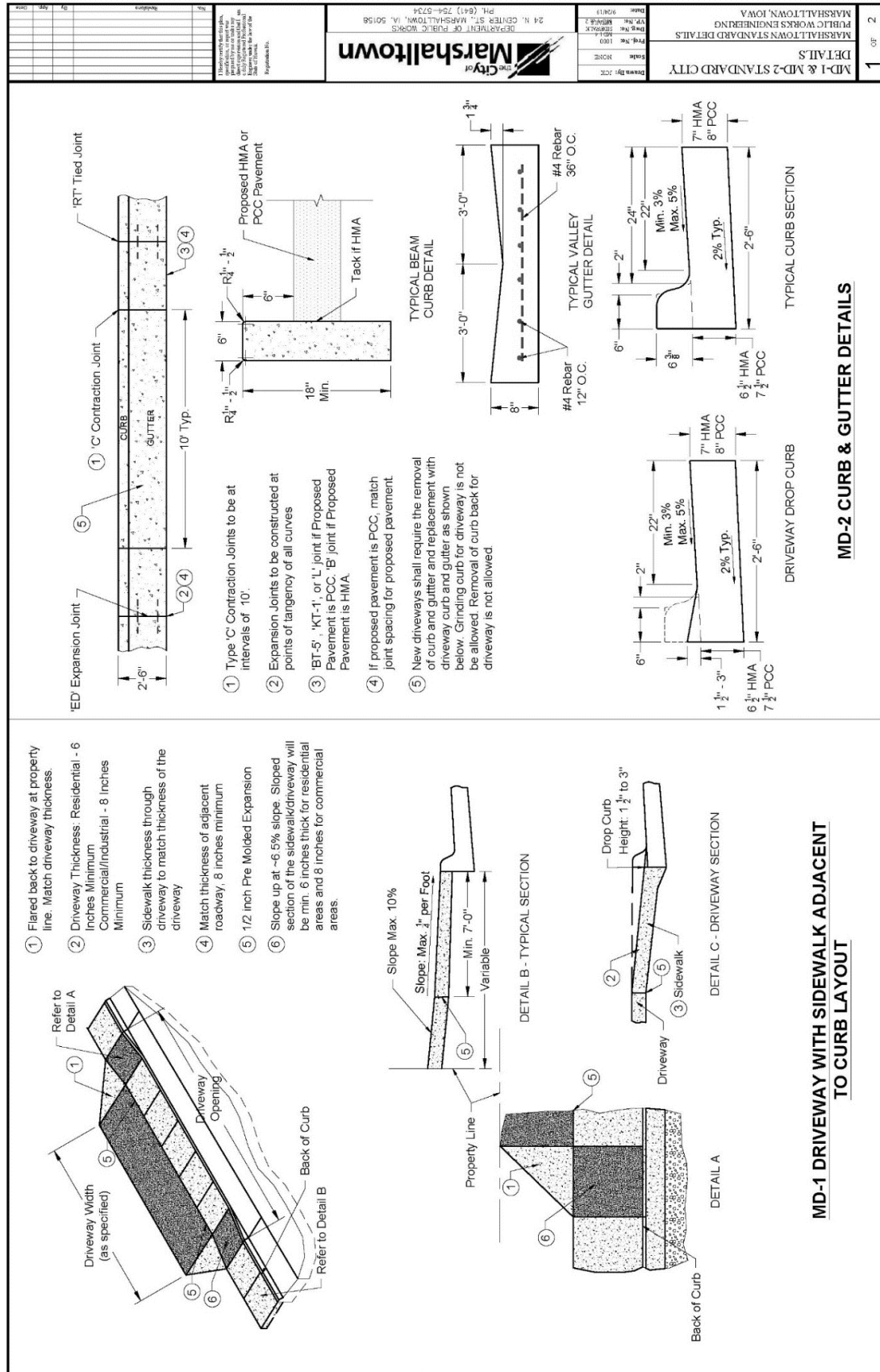
3.17 (ADD) CURB AND GUTTER CONSTRUCTION

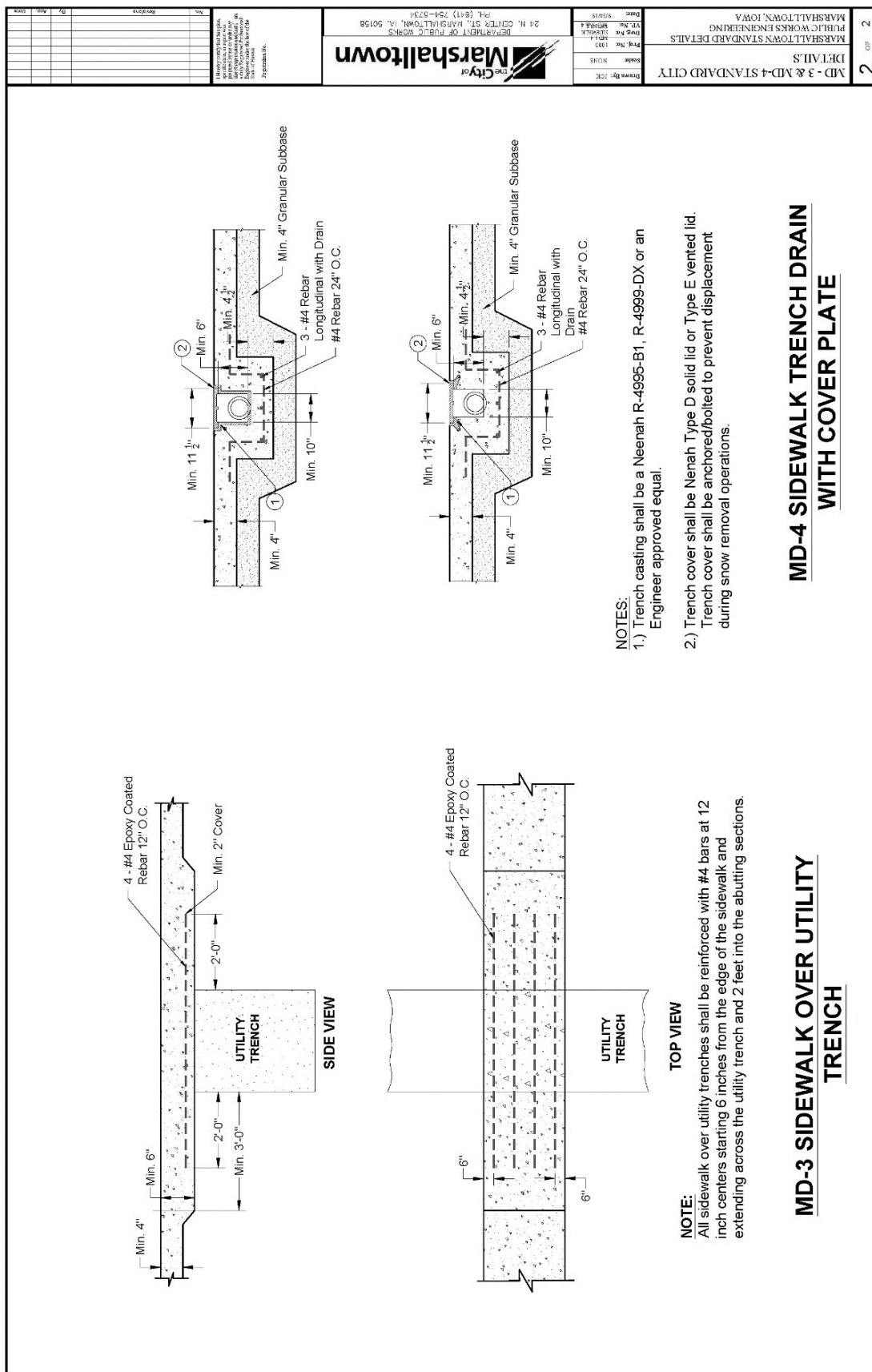
Comply with Section 7010, 3.03 and MD-2.

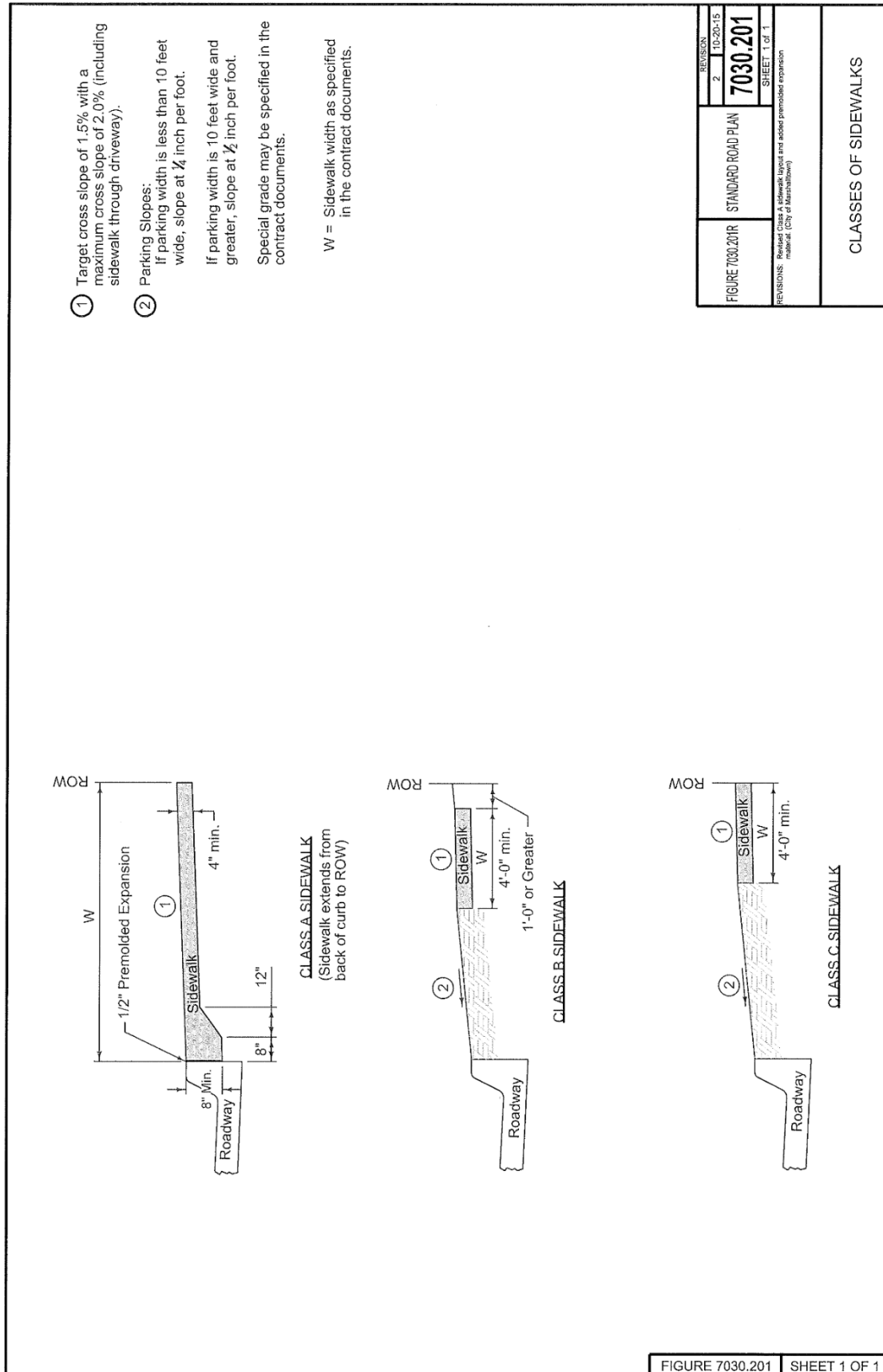
3.18 (ADD) MARSHALLTOWN STANDARD DETAILS

- A. Added the following details:
1. MD-1 Driveway with Sidewalk Adjacent to Curb Details
 2. MD-2 Curb & Gutter Details
 3. MD-3 Sidewalk over Utility Trench Detail
 4. MD-5 Sidewalk Trench Drain with Cover Plate
- B. See modifications to SUDAS Standard Details as listed on each detail and provided below:
1. Figure 7030.101 – Revised sidewalk adjacent to driveway to add section for transition. Added curb replacement for new driveways.
 2. Figure 7030.102 - Revised sidewalk adjacent to driveway to add section for transition. Added curb replacement for new driveways.
 3. Figure 7030.103 – Revision to sidewalk location and property line. Added target slope to sidewalk.

4. Figure 7030.201 – Revised Class A sidewalk layout and added premolded expansion material.
5. Figure 7030.202 – Removed Detail 1 and Revised Detail 2.
6. Figure 7030.206 – Change sidewalk/ramp width to 5'-0" min. Changed curb side sidewalk to min. 7'-0" width.
7. Figure 7030.207 – Added detail for preformed expansion joints.
8. Figure 7030.208 – Added detail for preformed expansion joints.
9. Figure 7030.209 – Changed minimum ramp and turning width to 5'-0".

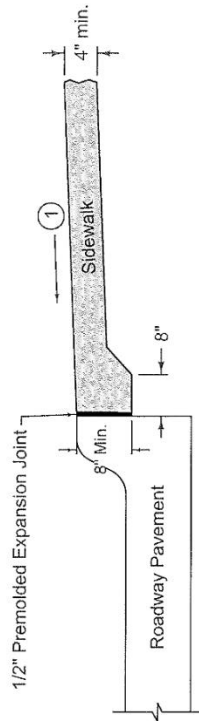




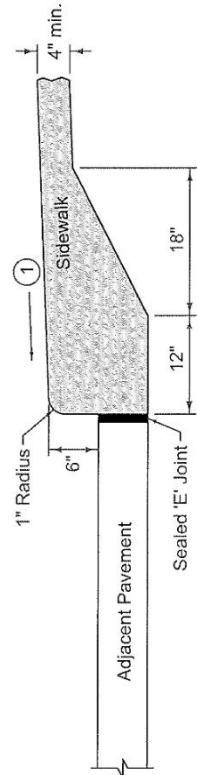


For new sidewalk with new curb and gutter, comply with Detail 2. Comply with Detail 3 for new sidewalk adjacent to existing pavement or when specified in the contract documents.

- ① Target cross slope of 1.5% with a maximum cross slope of 2.0%.



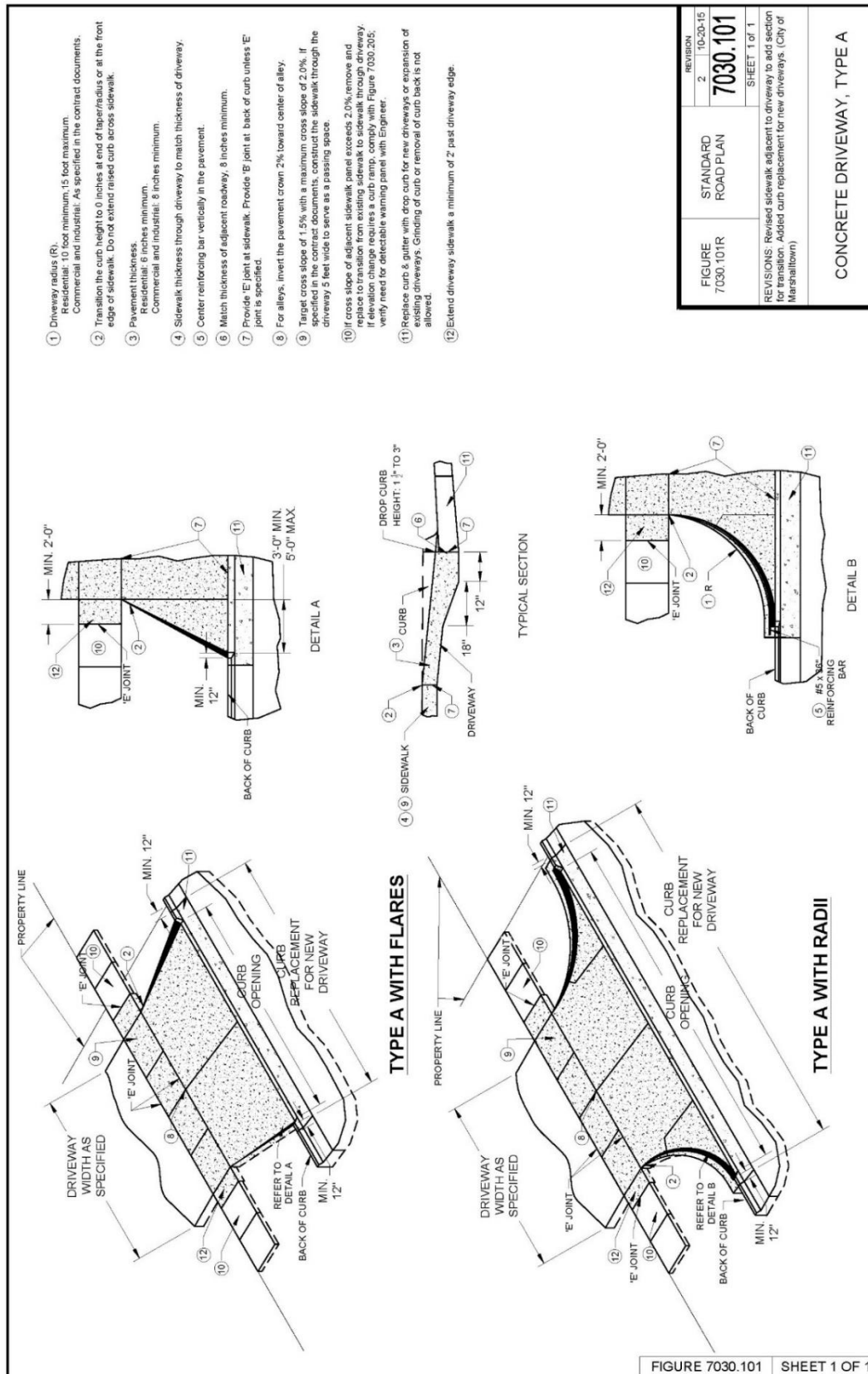
DETAIL 2



DETAIL 3

FIGURE 7030.202R	STANDARD ROAD PLAN	REVISION
		3 10-20-15
7030.202		
SHEET 1 of 1		
REVISIONS: Removed Detail 1; Revised Detail 2 (City of Marshalltown)		

CURB DETAILS FOR CLASS A SIDEWALK



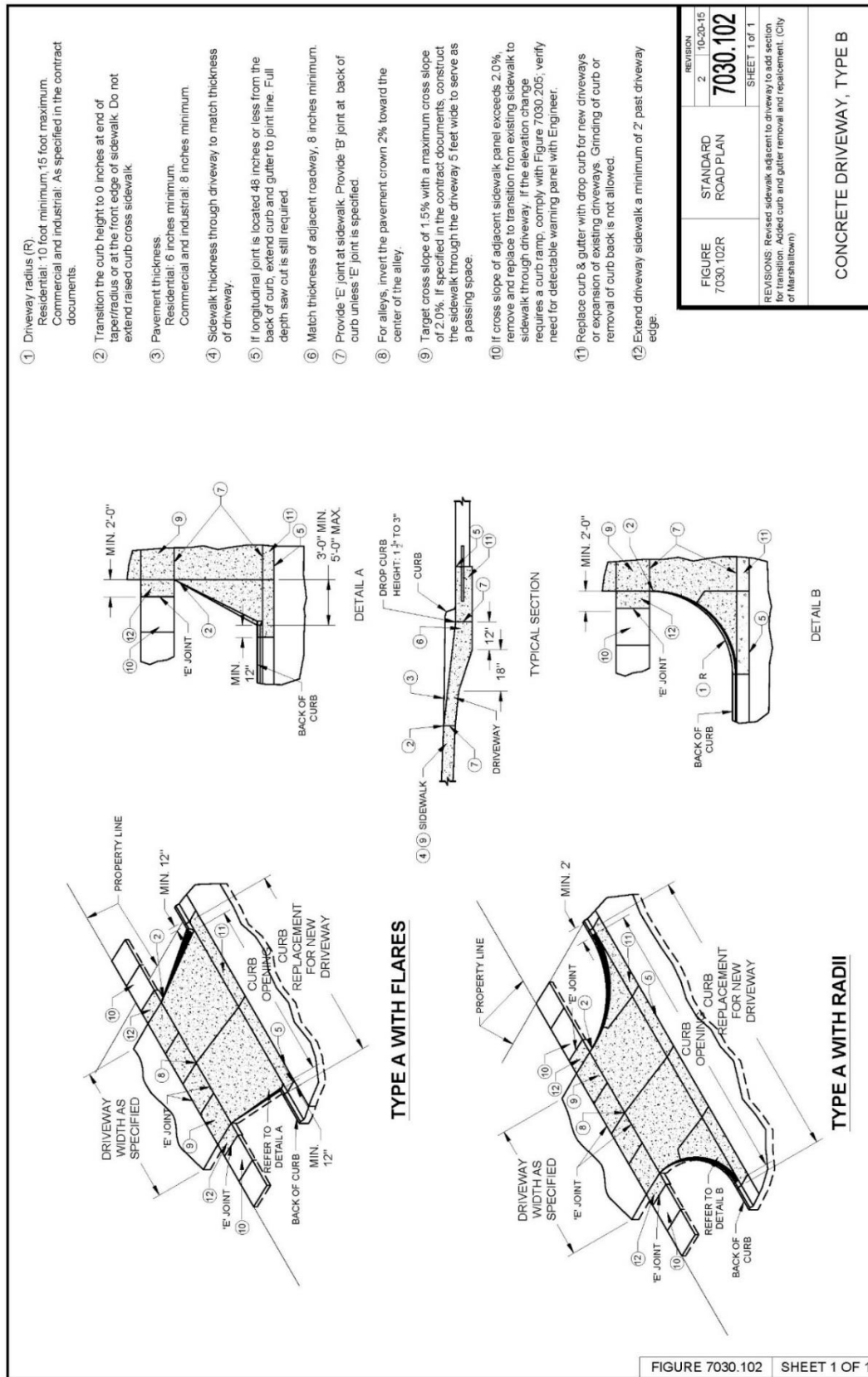
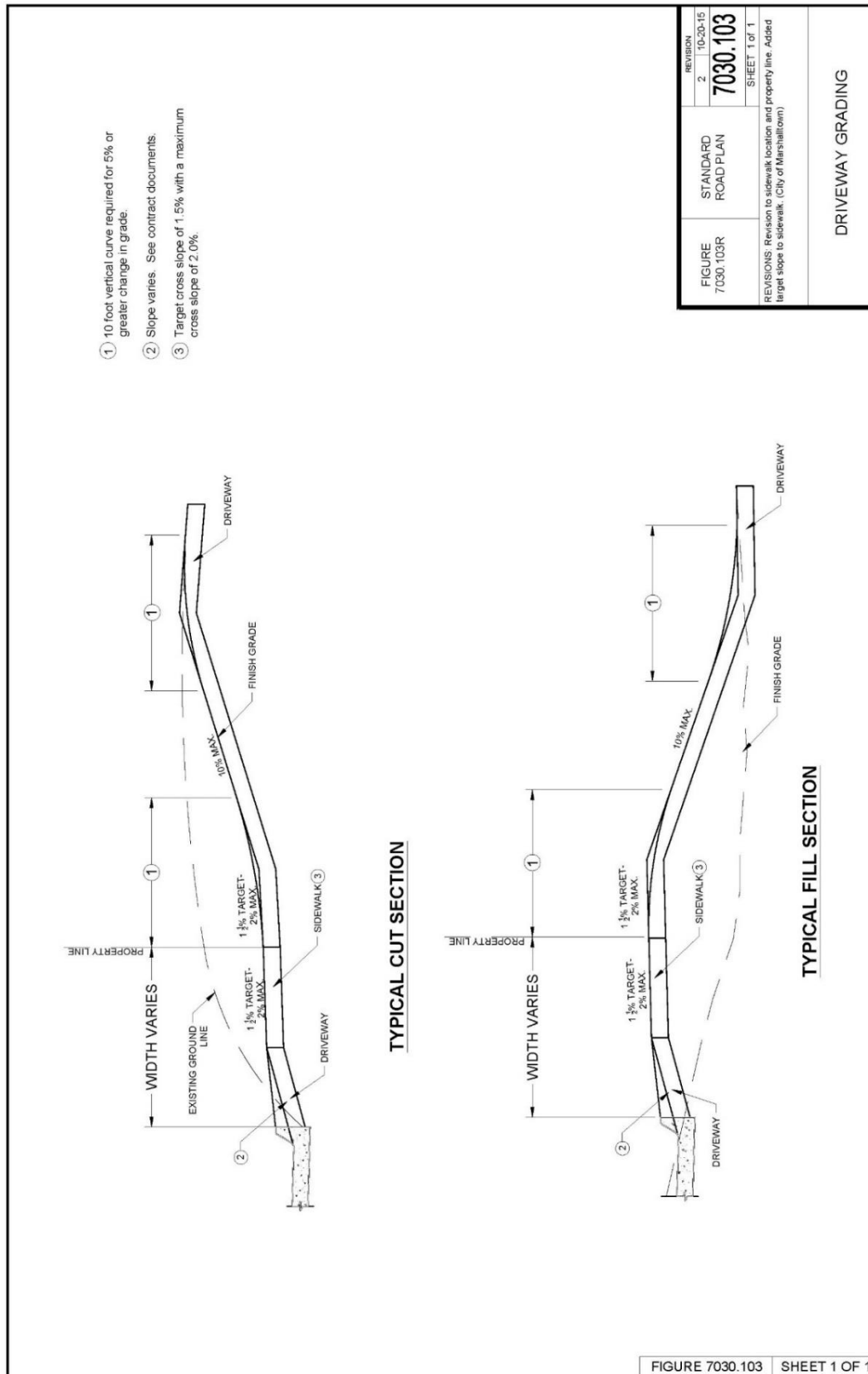
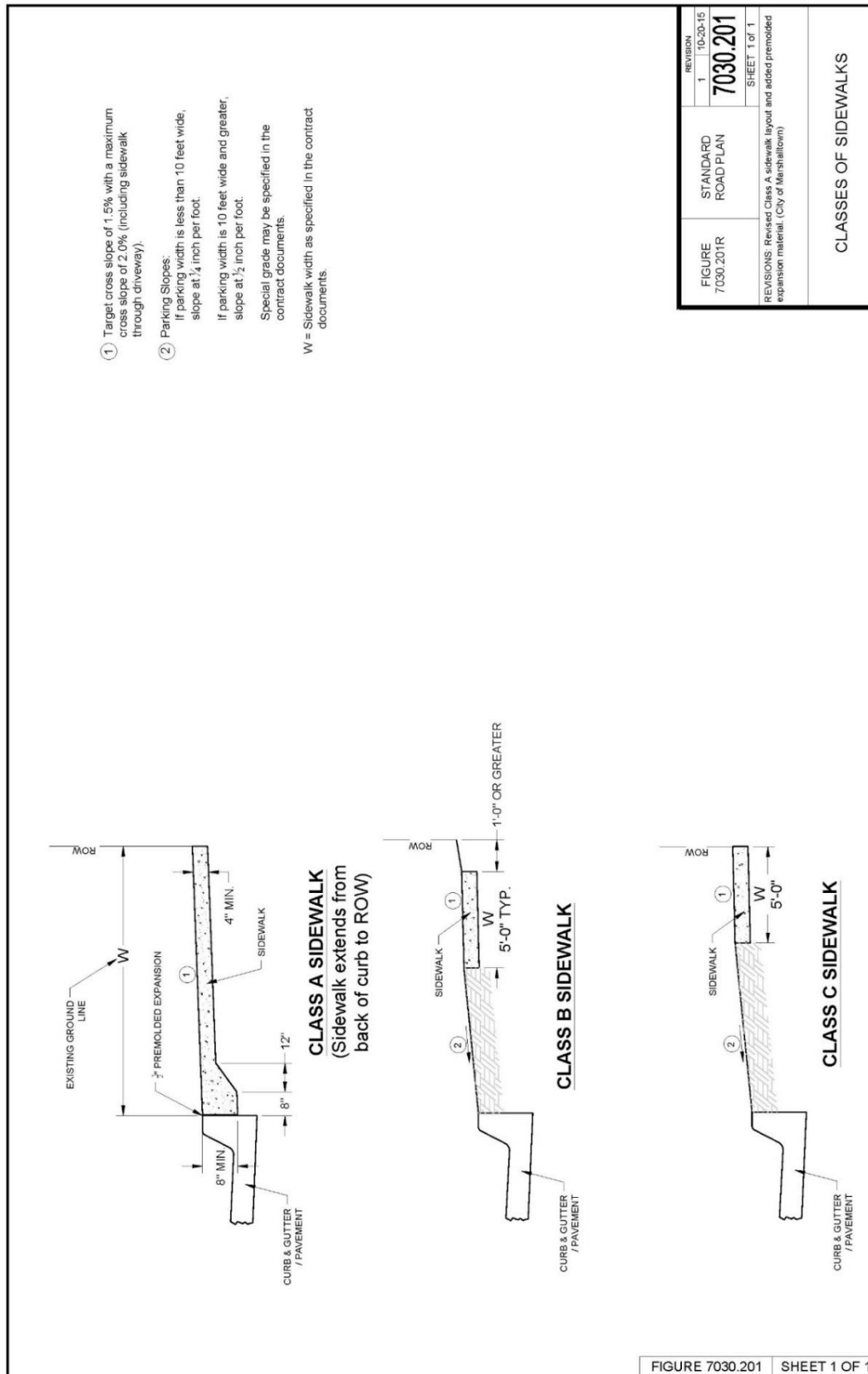
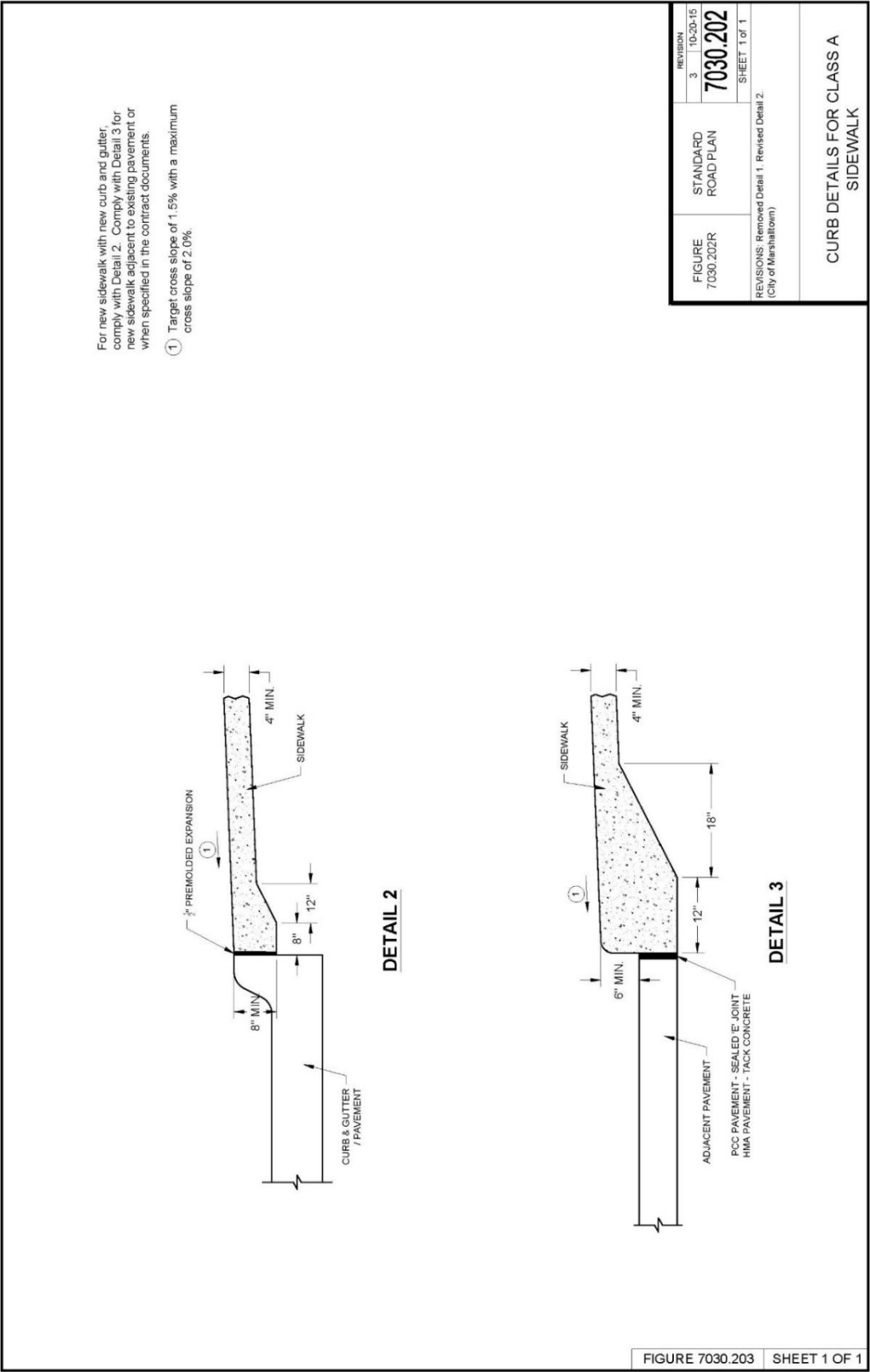
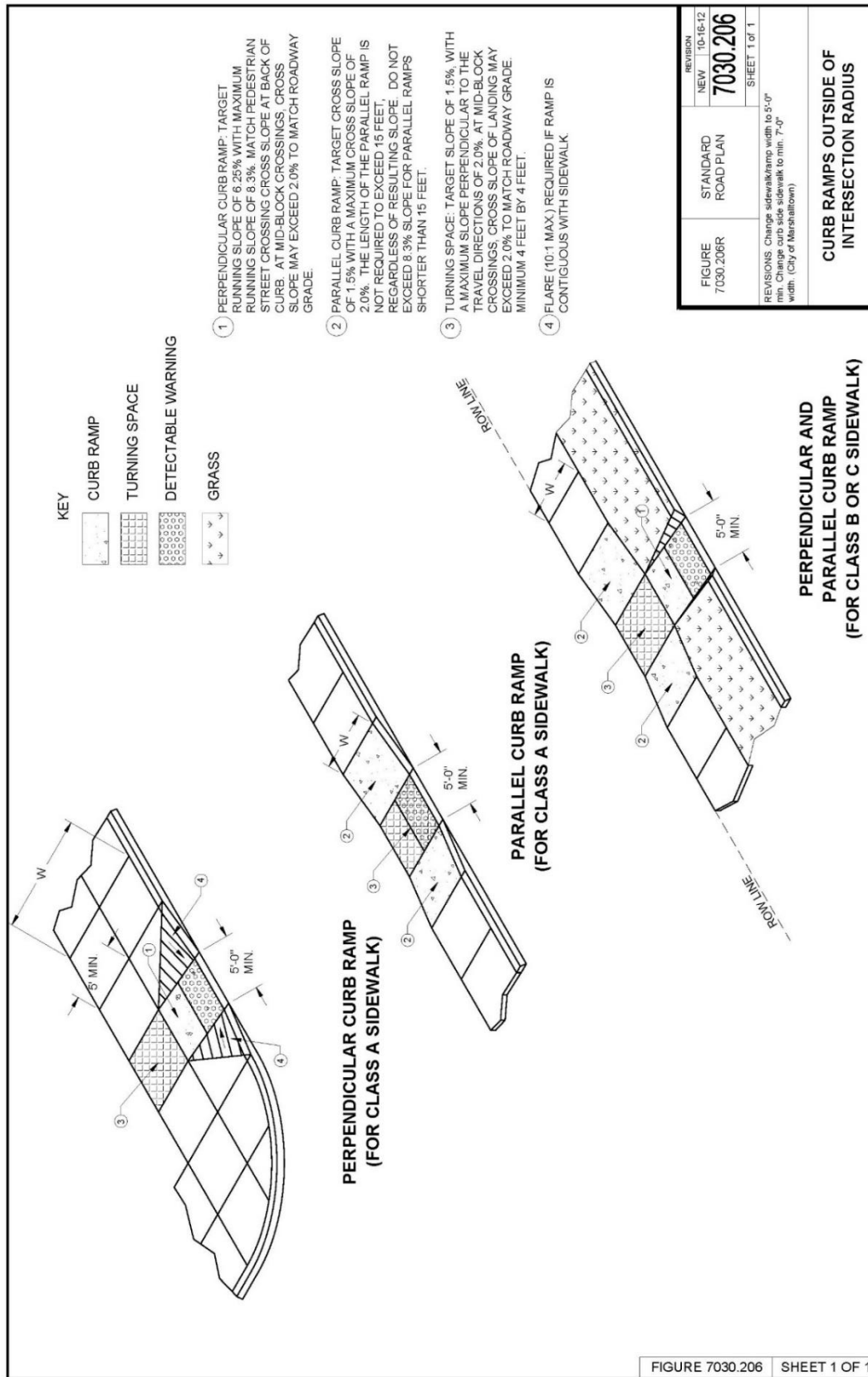


FIGURE 7030.102 SHEET 1 OF 1









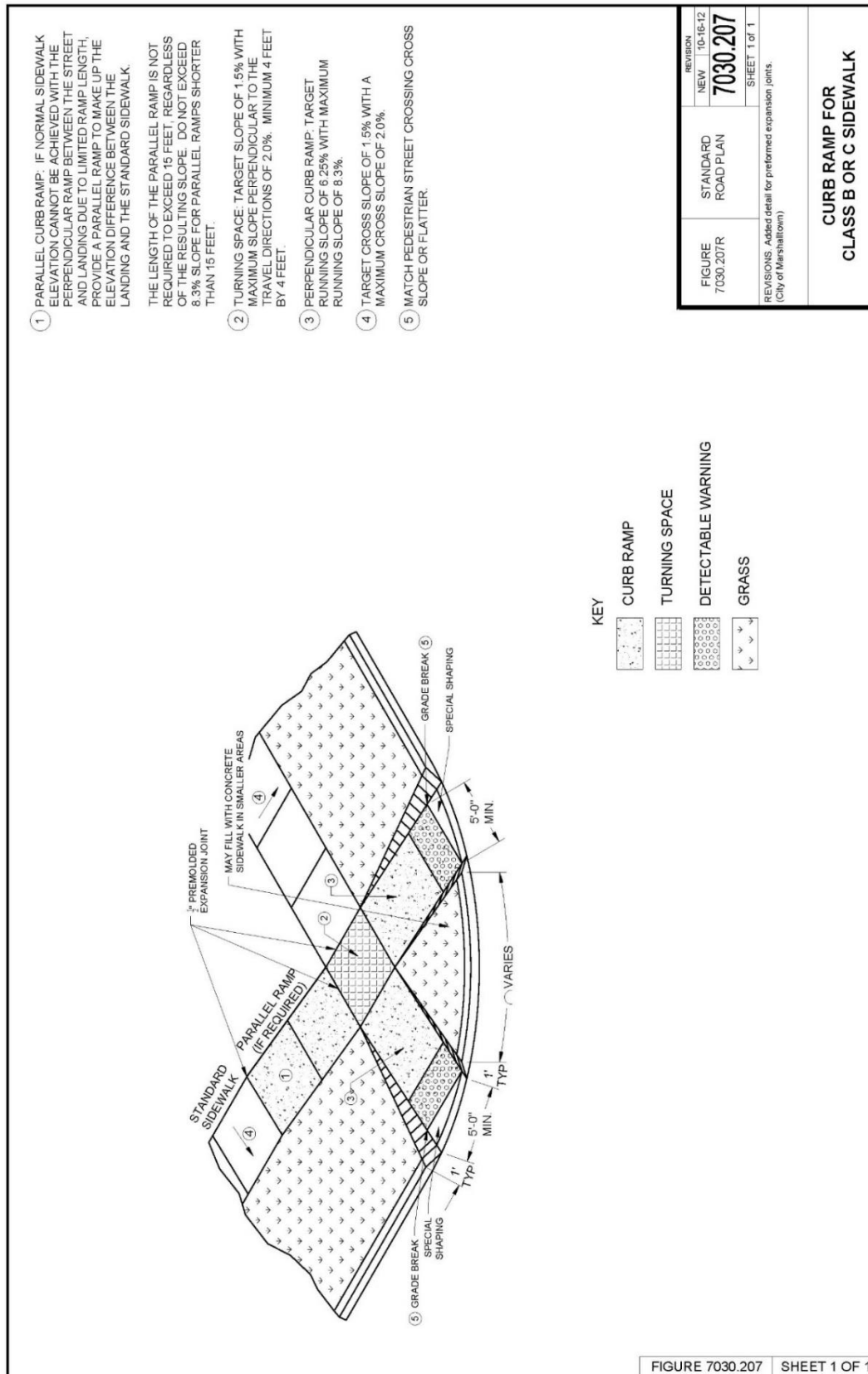
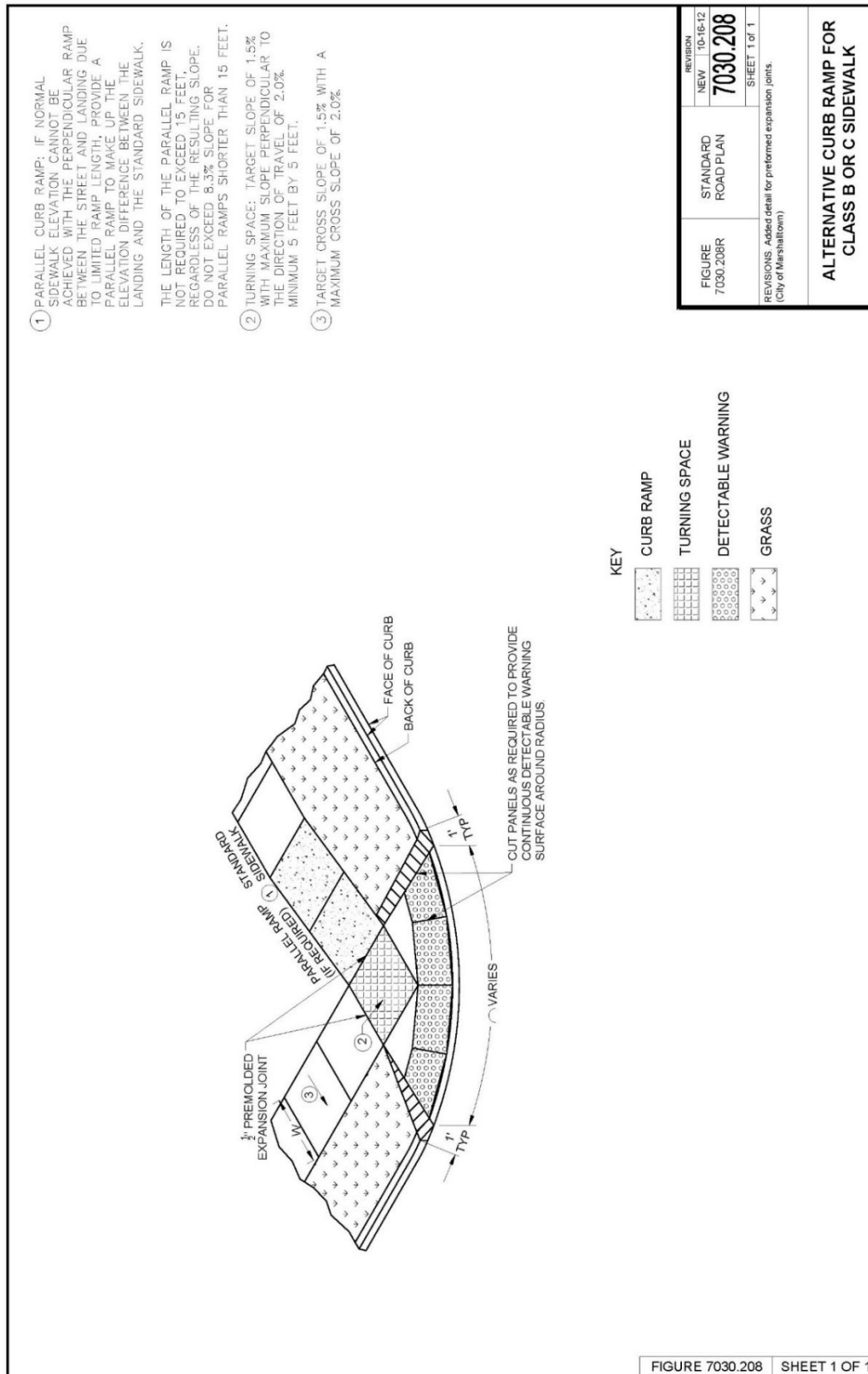
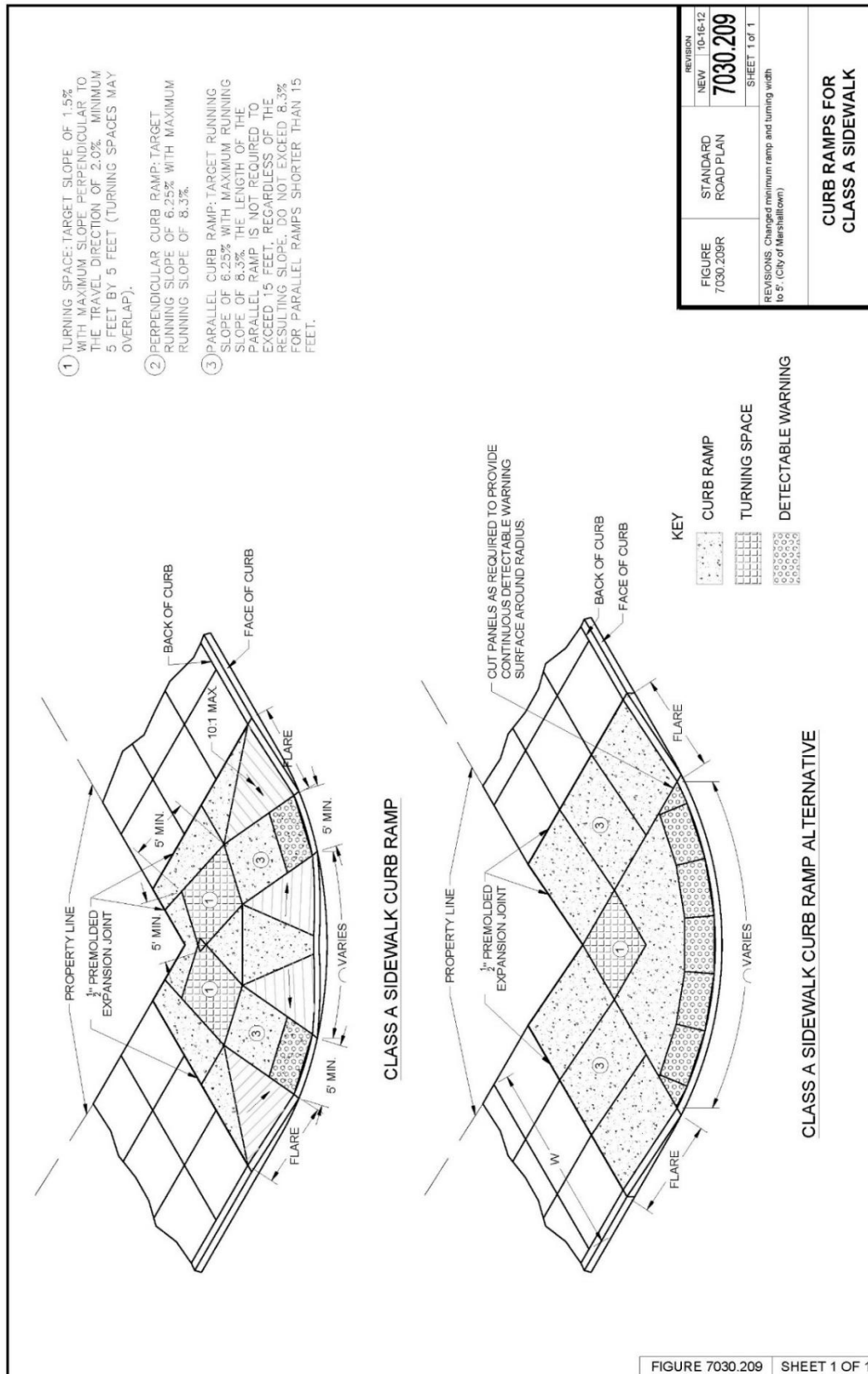


FIGURE 7030.207R	STANDARD ROAD PLAN	REVISION	
		NEW	10-16-12
		7030.207	
REVISIONS: Added detail for preformed expansion joints. (City of Marshalltown)		SHEET 1 of 1	
		CURB RAMP FOR CLASS B OR C SIDEWALK	

**CURB RAMP FOR
CLASS B OR C SIDEWALK**





SECTION 7040 - PAVEMENT REHABILITATION

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1—General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

1.08 MEASUREMENT AND PAYMENT

B. Subbase Over-excavation:

1. **Measurement:** Measurement will be in tons of subbase material placed for authorized over-excavation. (ADD) Measurement for geogrid shall be per 2010.1.08.H.
2. **Payment:** Payment will be made at the unit price per ton of subbase material. (ADD) Payment for geogrid shall be per 2010.1.08.H.

PART 2 - PRODUCTS

2.01 MATERIALS

A. PCC:

2. High Early Strength Patching: Use Class M mix complying with Section 7010. Do not use calcium chloride unless (DELETE) ~~otherwise specified in the contract documents~~ (ADD) approved by the City Engineer.

G. Subbase Material: Unless otherwise specified in the contract documents (DELETE) ~~, use modified subbase complying with Section 2010.~~ (ADD) See MS-4 Pavement Restoration for Subbase requirements.

PART 3 – EXECUTION

3.02 FULL DEPTH PATCHING

B. Restoring Subgrade or Subbase:

1. Excavate (DELETE) ~~2~~ (ADD) 12 to 18 inches below the bottom of the existing pavement. (DELETE) ~~If more than 2 inches is excavated,~~ (ADD) Install geogrid on subgrade and place and compact new subbase material as required to bring the subbase to (DELETE) ~~a level 2 inches below~~ the bottom of the existing pavement. Correct unauthorized over excavation at no additional cost to the Contracting Authority.
5. Place and compact new subbase material as required to bring the subbase to (DELETE) ~~a level 2 inches below~~ the bottom of the existing pavement.

C. Placing PCC Patches:

2. **Tie Bars and Dowel Bars:** Comply with Section 7010 (ADD) , Figures MS-1 and MS-2 in this section, and the figures in Sections 7010 and 7040.

3.11 (ADD) MARSHALLTOWN STANDARD DETAILS

Added the following details:

A. MS-1 & MS-2 Pavement Restoration Joint Layout

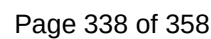
B. MS-3 Manhole Boxout Details

C. MS-4 Pavement Restoration Details

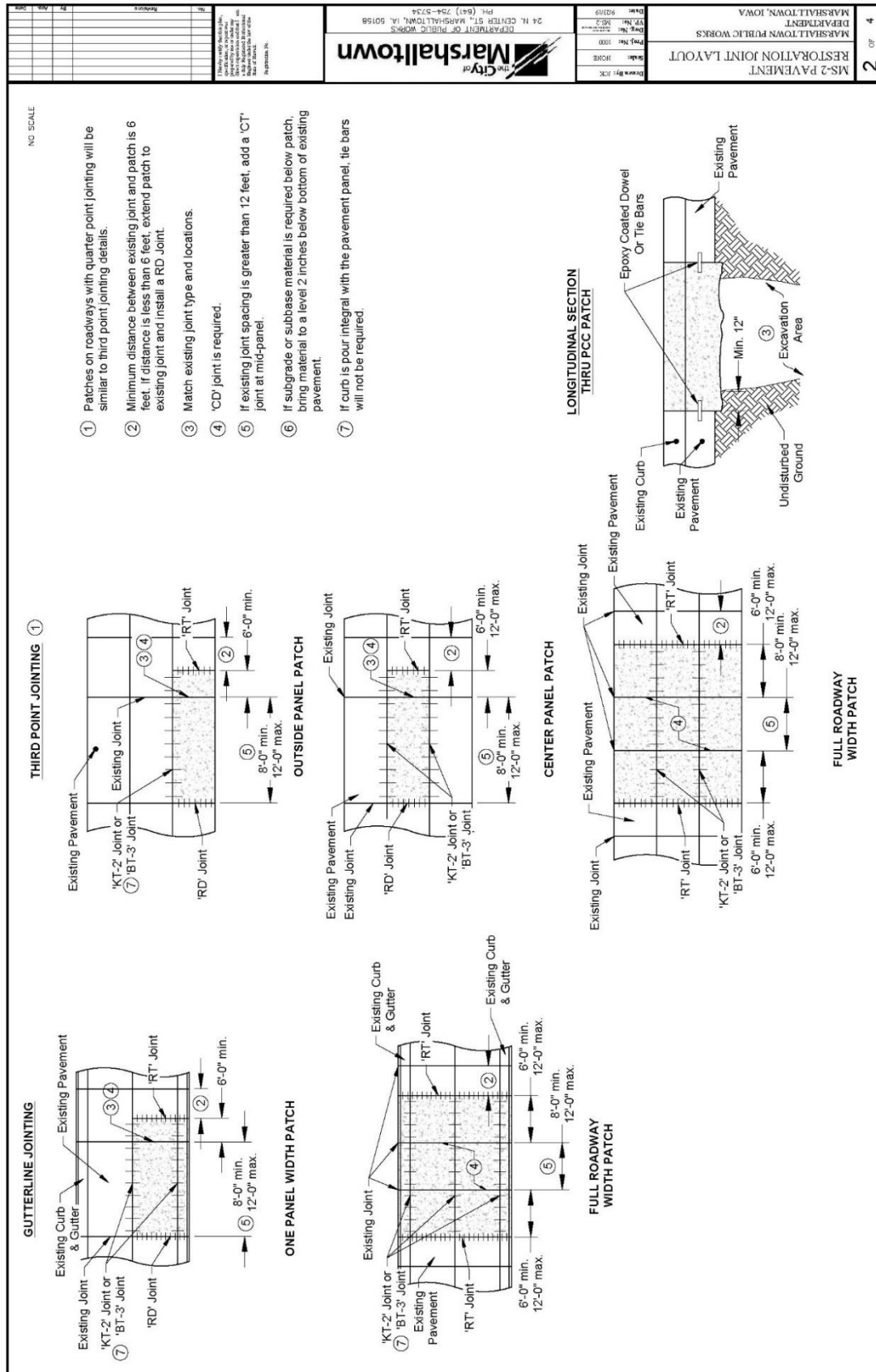
3.12 (ADD) DELETED SUDAS STANDARD DETAILS

A. 7040.101 Full Depth PCC Patches Less Than or Equal to 15' Long

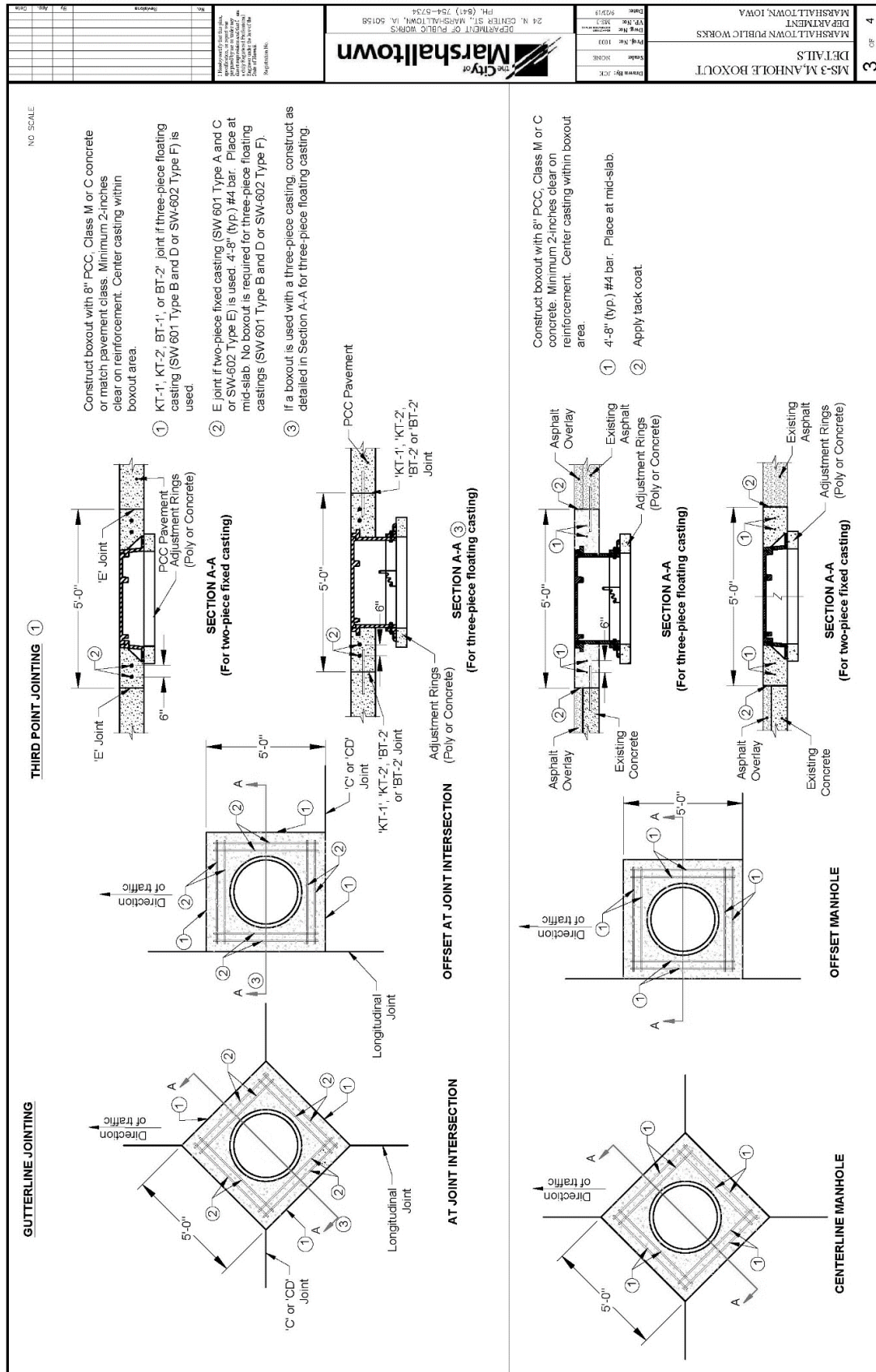
B. 7040.102 Full Depth PCC Patches Greater Than 15' Long

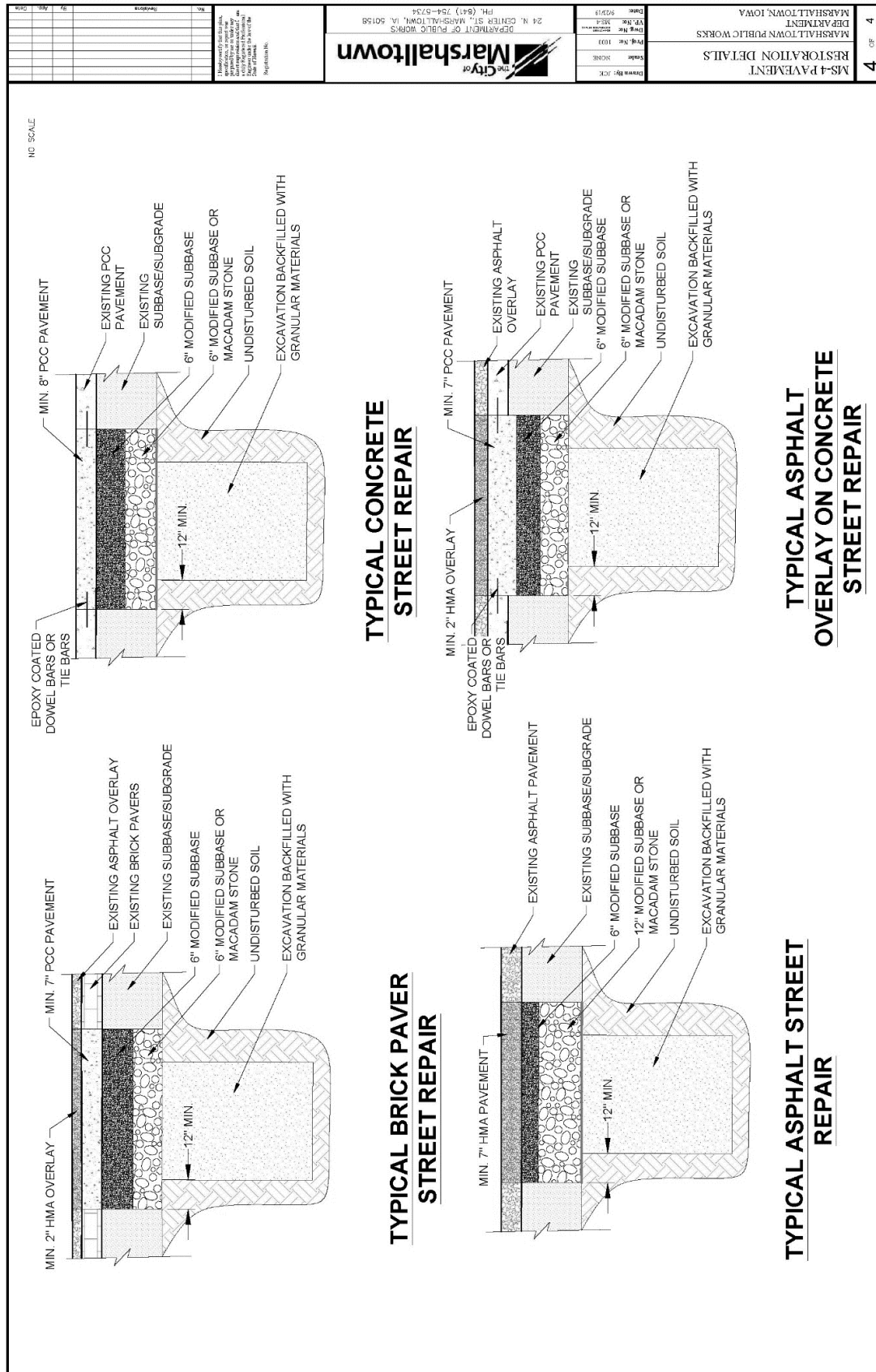


City of Marshalltown Supplementary Conditions to the Statewide Urban Design and Specifications (SUDAS)

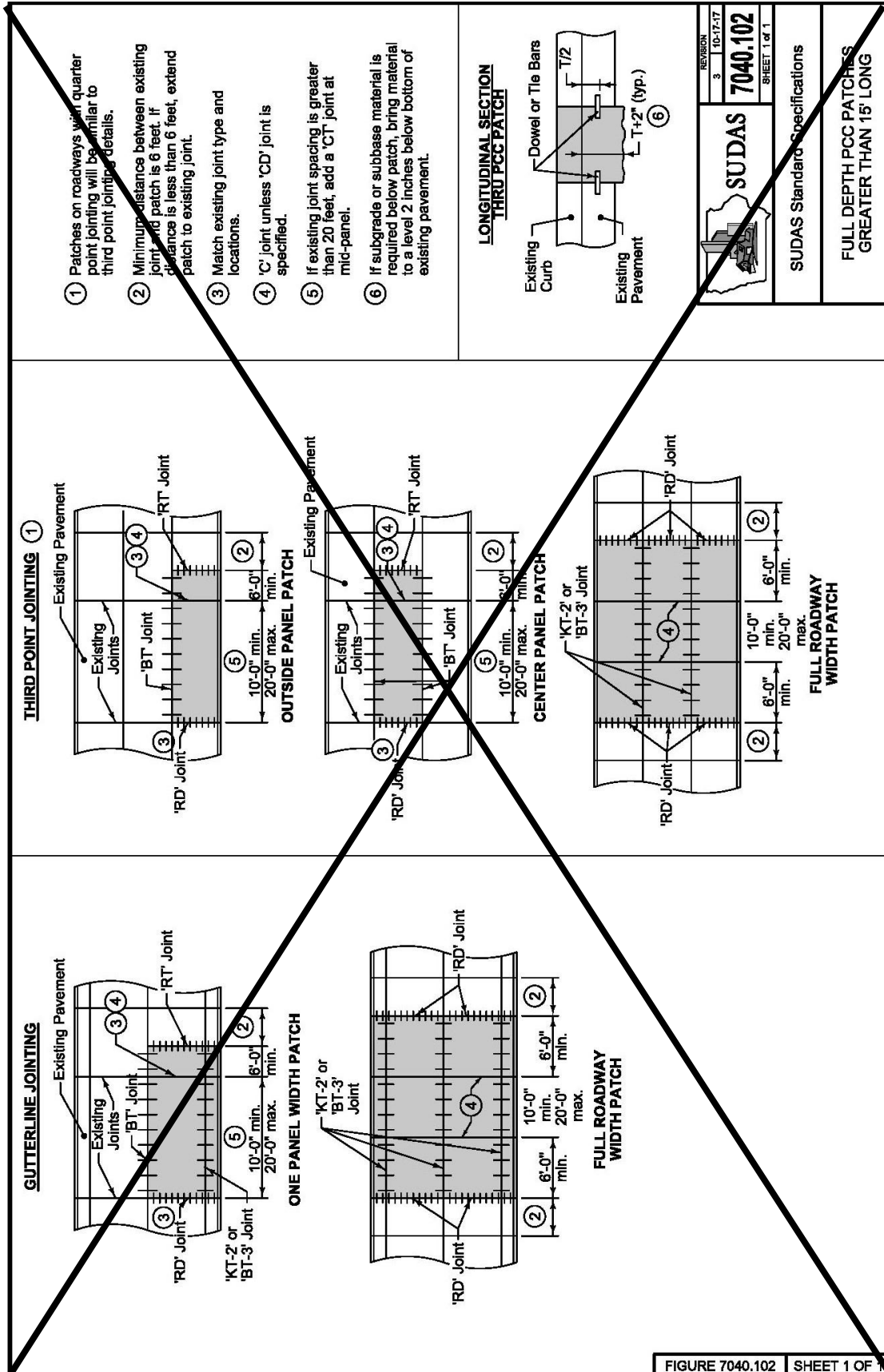


City of Marshalltown Supplementary Conditions to the Statewide Urban Design and Specifications (SUDAS)









SECTION 7050 - ASPHALT STABILIZATION

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

1.08 MEASUREMENT AND PAYMENT

B. Fixture Adjustment: Comply with Section 6010 (ADD) and 6020 for adjustment of manholes and intakes and (DELETE) ~~Section 5020~~ (ADD) Marshalltown Water Works Requirements for adjustment of water valves and fire hydrants.

SECTION 7060 - BITUMINOUS SEAL COAT

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

1.08 MEASUREMENT AND PAYMENT

A. **Bituminous Seal Coat by Area:**

3. Includes: Unit price includes, but is not limited to, surface preparation including protection of street fixtures; furnishing and placing of materials, including fillets at intersecting streets, driveways, and turnouts; (ADD) sweeping; fog seal; and final clean up.

C. **(ADD) Bituminous Material Fog Seal:** Unless the Engineer directs otherwise, use asphalt emulsion grade CQS-1, CQS-1H, CSS-1, or SS-1.

1. Dilute the asphalt emulsion with water prior to application to the pavement surface. The dilution rate is one part of asphalt emulsion to four parts water.

2. Dilute the asphalt emulsion with water prior to application to the pavement surface. The dilution rate is one part of asphalt emulsion to four parts water.

3. Uniformly apply dilute asphalt emulsion at the rate of 0.12 gallon per square yard of pavement surface.

PART 3 - EXECUTION

3.01 EQUIPMENT

C. **Brooms:** A power-driven (DELETE) ~~rotary or~~ pick-up broom is required for cleaning surfaces before the bitumen is applied (ADD), in between applications, and after final application.

3.06 TWO COURSE SEAL COATS

B. Second Course Construction:

4. (ADD) Complete rolling operations as specified in 3.05.
5. (ADD) After a minimum of 24 hours, lightly broom surface with power sweeper to remove excess aggregate. All aggregate shall be removed with a vacuum machine.

3.08 (ADD) BITUMINOUS FOG SEAL

- A. A bituminous fog seal shall be applied to all sealed streets after completion of the final seal coat layer.
- B. Immediately prior to placing the emulsion, clean the entire pavement surface. Use scrapers, compressed air, or other approved methods.
- C. Uniformly apply dilute asphalt emulsion at the rate of 0.12 gallon per square yard of pavement surface. The application rate may be reduced if directed by the Engineer. For excessive application rates, the Engineer may require a light coat of sand. The Engineer may require brooming of ponded areas prior to placing traffic on the pavement.

SECTION 7070 - EMULSIFIED ASPHALT SLURRY SEAL

PART 1 - GENERAL

- 1.03 through 1.06:** (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

SECTION 7080 - PERMEABLE INTERLOCKING PAVERS

PART 1 - GENERAL

- 1.03 through 1.06:** (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

SECTION 7090 - COLD-IN-PLACE PAVEMENT RECYCLING

PART 1 - GENERAL

- 1.03 through 1.06:** (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

SECTION 7091 - FULL DEPTH RECLAMATION

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

DIVISION 8 – TRAFFIC CONTROL

SECTION 8010 - TRAFFIC SIGNALS

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

1.07 SPECIAL REQUIREMENTS

B. (ADD) Coordinate all design and construction work with the City of Marshalltown’s Public Works Electrical Superintendent.

SECTION 8020 - PAVEMENT MARKINGS

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

1.06 SCHEDULING AND CONFLICTS

B. (ADD) Schedule and coordinate all line markings with the Public Works Street Superintendent.

3.02 CONSTRUCTION

C. **Painted Pavement Markings:**

5. (ADD) Coordinate all painted pavement markings with Marshalltown’s Public Works Street Department. Paint markings shall be calibrated to the City’s standard marking spacing and widths.

SECTION 8030 - TEMPORARY TRAFFIC CONTROL

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

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DIVISION 9 – SITE WORK AND LANDSCAPING

SECTION 9010 - SEEDING

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1—General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

1.08 MEASUREMENT AND PAYMENT

A. Conventional Seeding:

1. Seeding:
 - a. Measurement: Measurement will be in acres (ADD) or square yards for each type of seed.
 - b. Payment: Payment will be in unit price per acre (ADD) or square yards for each type of seed.
2. Fertilizing:
 - a. Measurement: Measurement will be in acres (ADD) or square yards of fertilizer.
 - b. Payment: Payment will be at unit price per acre (ADD) or square yards of fertilizer.
3. Mulching:
 - a. Measurement: Measurement will be in acres (ADD) or square yards of mulch.
 - b. Payment: Payment will be in unit price per acre (ADD) or square yards of mulch.

B. Seeding, Fertilizing, and Mulching for Hydraulic Seeding:

1. Measurement: Measurement will be in acres (ADD) or square yards for each type of seed.
2. Payment: Payment will be in unit price per acre (ADD) or square yards for each type of seed.

C. Seeding, Fertilizing, and Mulching for Pneumatic Seeding:

1. Measurement: Measurement will be in acres (ADD) or square yards for each type of seed.
2. Payment: Payment will be in unit price per acre (ADD) or square yards for each type of seed.

PART 2 - PRODUCTS

2.02 SEED MIXTURES AND SEEDING DATES

- A. **Type 1 (Permanent Lawn Mixture):** Used for residential and commercial turf site, fertilized, and typically mowed. Use between March 1 and May 31 and between August 10 and September 30. (ADD) Dormant seeding from September 30 to freeze-up will be allowed if approved by City Engineer. Type 1 seed mixture will be used in all terrace or boulevard areas within the City of Marshalltown.

PART 3 - EXECUTION

3.05 HYDRAULIC SEEDING

A. **Seed Application, Fertilizing, and Mulching:**

8. Hydromulching (ADD) is required (DELETE) ~~may be done~~ over conventional seeding and/or fertilizing, (ADD) unless straw mulch is (DELETE) if approved by the Engineer.

SECTION 9020 - SODDING

PART 1 - GENERAL

- 1.03 through 1.06:** (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

SECTION 9030 - PLANT MATERIAL AND PLANTING

PART 1 - GENERAL

1.03 SUBMITTALS

- (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications, as well as the following:

- F. (ADD) Provide trees and shrubs planted in terrace areas in accordance with the City of Marshalltown’s Code of Ordinances, Chapter 58 – Vegetation. A list of prohibited trees and recommended trees is provided in Table 1 at the end of this section.
- G. (ADD) The placement of trees shall be in accordance with Chapter 10B-1 of the SUDAS Design Manual.

- 1.04 through 1.06:** (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

PART 3 - EXECUTION

3.06 PLANTING

A. Bare Root Plants: (ADD) Not allowed without written approval of the City Engineer.

Table 1 - Tree List for Planting on Terrace or Other Public Right-of-Way

Prohibited Species

- All evergreen trees and shrub species except those with a mature height of 12 inches or less.
- All deciduous shrubs
- All Poplars (*Populus* spp.), including, but not limited to Cottonwood, White Poplar, Lombardy Poplar, and hybrids thereof
- American Elm (*Ulmus americana*) & Elm hybrids
- Birch (*Betula* spp.)
- Blue Ash (*Fraxinus quadrangulata*)
- Green Ash and cultivars (*Fraxinus pennsylvanica lanceolata*)
- White Ash and cultivars (*Fraxinus Americana*)
- Box Elder (*Acer negundo*)
- Bradford Pear (*Pyrus calleryana* 'Bradford')
- Catalpa (*Catalpa speciosa*)
- Crab Apples with exception of Spring Snow or male sterile varieties
- Female Ginkgo (*Ginkgo biloba*).
- Hawthorn (*Crataegus* spp.)(except thornless cutlivars)
- Honey Locust (*Gleditsia triacanthos*) and all cultivars
- Japanese Tree Lilac (*Syringa reticulata*)
- Oriental Elms (*Ulmus pumila* & *U. parvifolia*)
- Pin Oak (*Quercus palustris*)
- Purple Leaf Plum (*Prunus cerasifera*)
- Red Mulberry, White Mulberry (*Morus rubra* & *Morus alba*)
- Russian Olive (*Elaeagnus angnstifolia*)
- Serviceberry (*Amelanchier* spp.)
- Silver Maple – Autumn Blaze Maple (*Acer saccharinum*) and all cultivars including Freeman cultivars

- Sycamore (*Plantanus* spp) and all cultivars
- Willow (*Salix* spp.)

Suggested trees for terrace area 8' wide or greater

- Basswood/Linden (*Tilia* spp.)
- Kentucky Coffeetree (*Gymnocladus dioicus*)
- White Oak (*Quercus alba*)
- Bur Oak (*Quercus macrocarpa*)
- Swamp White Oak (*Quercus bicolor*)
- Northern Red Oak (*Quercus rubra*)
- Sugar Maple (*Acer saccharum*)
- Red Maple (*Acer rubrum*)
- Black Maple (*Acer nigrum*)
- Hackberry (*Celtis occidentalis*)
- Male Ginkgo (*Ginkgo biloba*)

Suggested trees for terrace area less than 8' in width

- Amur Maple (*Acer ginnala*) (Tree form only)
- Tatarian Maple (*Acer tataricum*)
- American Hophornbeam (*Ostrya virginiana*)
- Thornless Cockspur Hawthorn (*Crataegus crus-galli inermis*)
- American Hornbeam (*Carpinus caroliniana*)
- Crabapple (*Malus* sp.) (Male sterile varieties only)
- Red Bud (*Cercis Canadensis*)

SECTION 9040 - EROSION AND SEDIMENT CONTROL

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1—General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

PART 3 - EXECUTION

3.13 RIP RAP (Figures 9040.110 and 9040.111)

- B. (ADD) Contractor shall construct an anchor trench along the toe of the slope prior to placement of riprap. Anchor trench shall be 2' deep, 4' wide, and extend along the entire length of slope.

SECTION 9050 - GABIONS AND REVET MATTRESSES

PART 1 - GENERAL

- 1.03 through 1.06:** (DELETE): ~~Comply with Division 1—General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

SECTION 9060 - CHAIN LINK FENCE

PART 1 - GENERAL

- 1.03 through 1.06:** (DELETE): ~~Comply with Division 1—General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

SECTION 9070 - LANDSCAPE RETAINING WALLS

PART 1 - GENERAL

- 1.03 through 1.06:** (DELETE): ~~Comply with Division 1—General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

PART 3 - EXECUTION

3.02 INSTALLATION

B. Modular Block Retaining Wall:

3. Tieback Reinforcement Installation: Install tieback reinforcement (ADD) every 24” of elevation. Geogrid shall conform to the manufacturer’s requirements and be installed according to the manufacturer’s requirements.

3.03 (ADD) NOTES ADDED TO FIGURES

- A. SUDAS 9070.101 - Tie backs will be required for each 2-feet of vertical wall elevation constructed.
- B. SUDAS 9070.102 - Geogrid reinforcement will be required for each 2-feet of vertical wall elevation constructed.
- C. SUDAS 9070.103 - Geogrid reinforcement will be required for each 2-feet of vertical wall elevation constructed.

SECTION 9071 - SEGMENTAL BLOCK RETAINING WALLS

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - General Conditions and Supplementary Conditions and Part II Technical Specifications Division 1”

SECTION 9072 - COMBINED CONCRETE SIDEWALK AND RETAINING WALL

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

SECTION 9080 - CONCRETE STEPS, HANDRAILS, AND SAFETY RAIL

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

DIVISION 10 – DEMOLITION

SECTION 10,010 - DEMOLITION OF BUILDING STRUCTURES

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

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DIVISION 11 – MISCELLANEOUS

SECTION 11,010 - CONSTRUCTION SURVEY

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

SECTION 11,020 – MOBILIZATION

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

SECTION 11,030 - TEMPORARY SERVICES DURING CONSTRUCTION

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

SECTION 11,040 - TEMPORARY SIDEWALK ACCESS

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

SECTION 11,050 - CONCRETE WASHOUT

PART 1 - GENERAL

1.03 through 1.06: (DELETE): ~~Comply with Division 1 – General Provisions and Covenants~~ (ADD) “Comply with Part I - Bidding and Contract Documents and Part II - Technical Specifications”

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4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

CITY OF MARSHALLTOWN, IOWA

DECEMBER 2020

PROJECT NO.
05242017



REFER TO THE PROPOSAL FORM FOR LIST OF APPLICABLE SPECIFICATIONS.

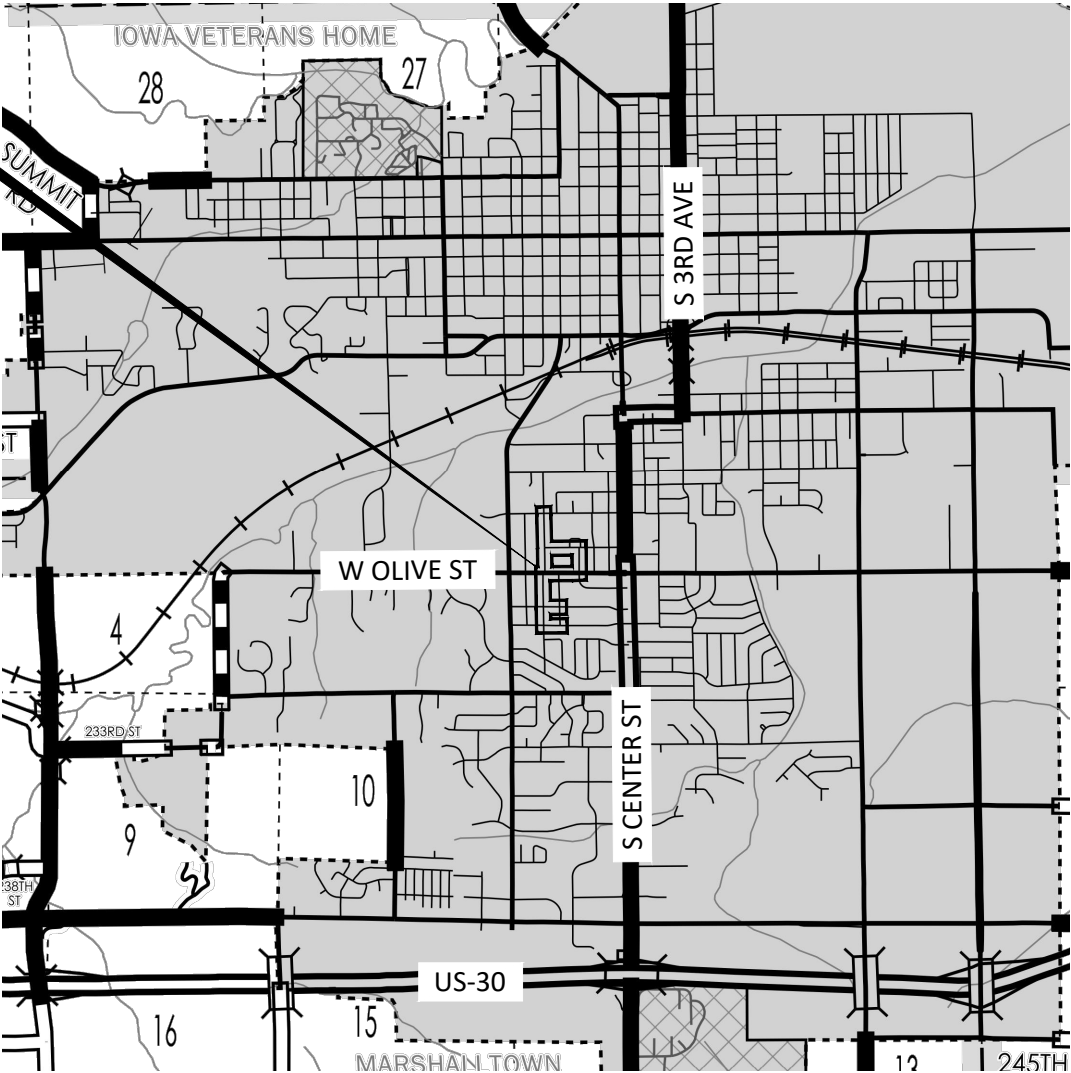
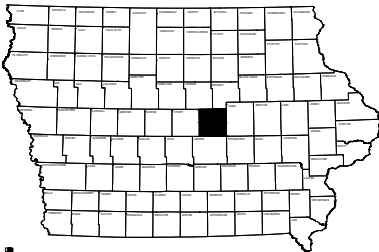
THIS PROJECT IS COVERED BY THE IOWA DEPARTMENT OF NATURAL RESOURCES NPDES GENERAL PERMIT NO. 2. THE CONTRACTOR SHALL CARRY OUT THE TERMS AND CONDITIONS OF GENERAL PERMIT NO. 2 AND THE STORM WATER POLLUTION PREVENTION PLAN WHICH IS A PART OF THESE CONTRACT DOCUMENTS. REFER TO SECTION 2602 OF THE STANDARD SPECIFICATIONS FOR ADDITIONAL INFORMATION.

NOTE: EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY IOWA ONE CALL, 800-292-8989.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

PROJECT LOCATION

MAP OF PORTIONS OF THE
CITY OF MARSHALLTOWN
MARSHALL COUNTY, IA



RANGE 18W

STANDARD NO.	SUDAS STANDARD DETAIL DESCRIPTION
3010.102	RIGID GRAVITY PIPE TRENCH BEDDING
5010.101	THRUST BLOCKS
5020.201	FIRE HYDRANT ASSEMBLY
6010.401	CIRCULAR STORM SEWER MANHOLE
6010.507	SINGLE OPEN-THROAT, SMALL BOX
6010.508	SINGLE OPEN-THROAT, LARGE BOX
6010.513	OPEN-SIDED AREA INTAKE
6010.541	OPEN-THROAT CURB INTAKE UNDER PAVEMENT
7010.101	JOINTS
7020.201	MANHOLE BOXOUTS IN HMA PAVEMENT AND HMA OVERLAYS
8030.116	STREET OR ROAD CLOSURE
STANDARD NO.	MARSHALLTOWN STANDARD DETAIL DESCRIPTION
MP-5	CURB & GUTTER DETAILS
MP-6	CURB REMOVAL DETAILS
MISC 5	DETECTABLE WARNING SURFACE
7030.101	CONCRETE DRIVEWAY, TYPE A
7030.202	CURB DETAILS FOR CLASS A SIDEWALK
7030.207	CURB RAMP FOR CLASS B OR C SIDEWALK
7030.208	ALTERNATIVE CURB RAMP FOR CLASS B OR C SIDEWALK

INDEX OF SHEETS

NO.	DESCRIPTION
A.1	COVER SHEET
A.2	LEGEND
B.1	TYPICAL SECTIONS
B.2	DETAILS
C.1	QUANTITIES
C.2 - C.4	ESTIMATE REFERENCE INFORMATION
C.5	GENERAL NOTES
C.6 - C.8	TABULATIONS
C.9 - C.10	SWPPP
CE.1 - CE.6	EROSION CONTROL PLAN
CR.1 - CR.10	REMOVALS
D.1 - D.5	MAINLINE PLAN AND PROFILES
E.1 - E.9	SIDE STREET PLAN AND PROFILES
G.1 - G.5	ALIGNMENT & BENCHMARK INFORMATION
H.1 - H.3	ROW & EASEMENT INFORMATION
J.1	STAGING AND TRAFFIC CONTROL
M.1 - M.21	STORM SEWER PLAN AND PROFILES
S.1 - S.9	PEDESTRIAN RAMP DETAILS
W.1 - W.15	MAINLINE CROSS SECTIONS
X.16 - X.28	SIDE STREET CROSS SECTIONS

CITY OF MARSHALLTOWN

THIS ENGINEERING DOCUMENT IS RECOMMENDED FOR FILING WITH THE CITY CLERK

CITY ENGINEER _____ DATE _____

PLAN REVISIONS		
DATE	SHEET NUMBER	APPROVED BY

TOWNSHIP 83N

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

MICHAEL P. KUREK

REG. NO. 24798 DATE: 12/21/2020

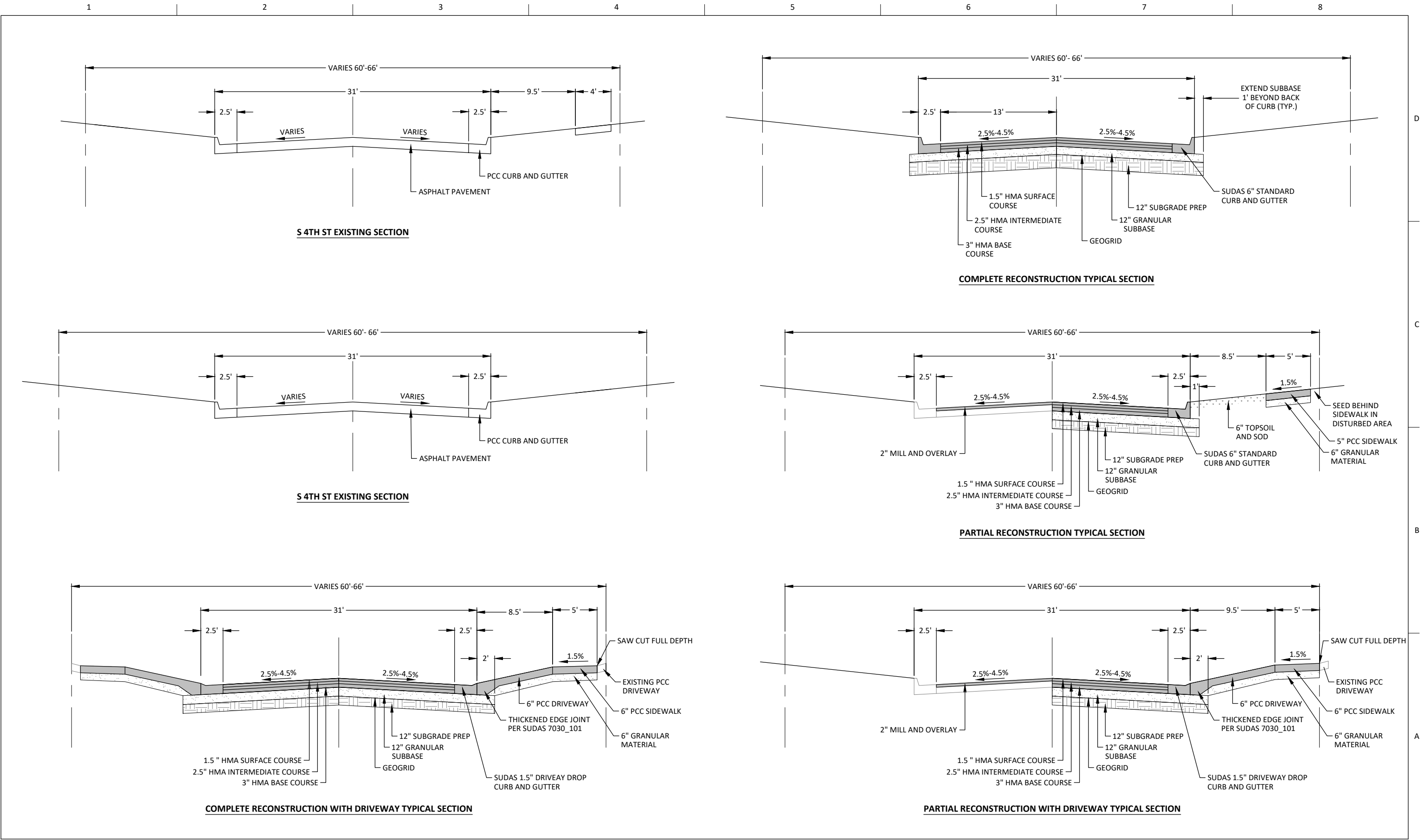
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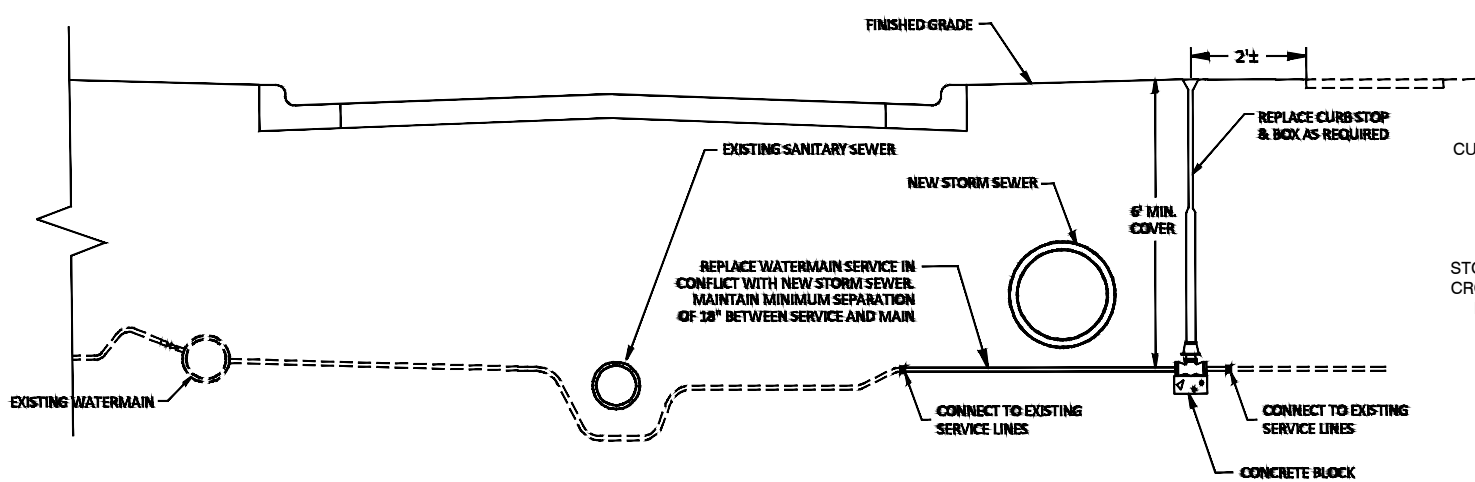
SHEETS A.1 THROUGH X.28



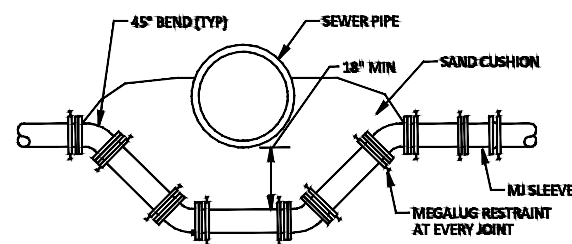
HDR PROJECT
#10076153



ISSUE	DATE	DESCRIPTION	PROJECT NUMBER



WATERMAIN OFFSET - HORIZONTAL

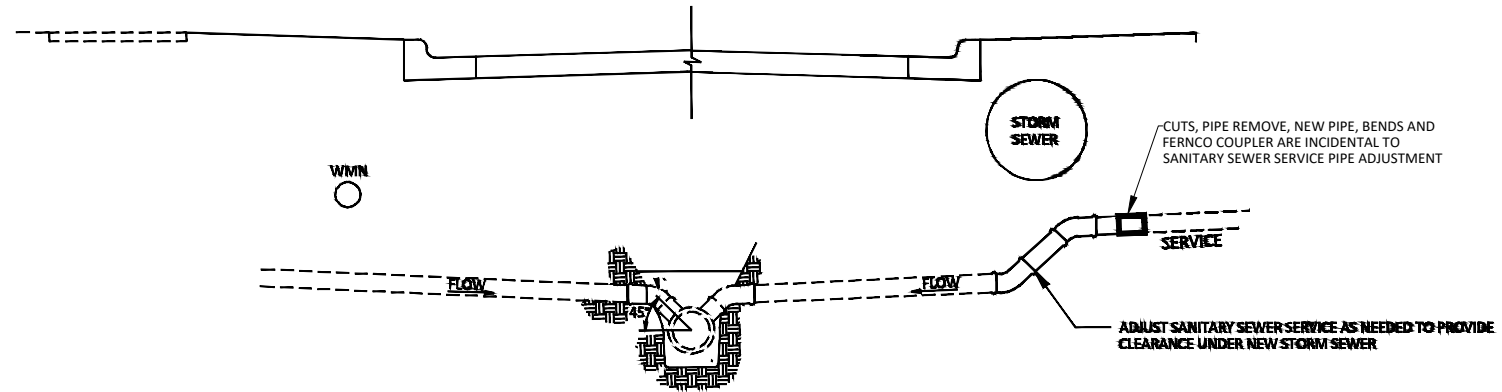


WATERMAIN OFFSET - VERTICAL

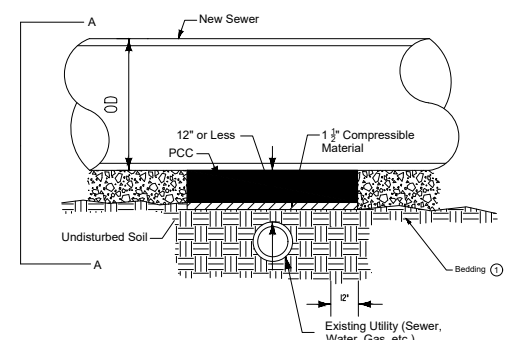
- NOTES:**
1. THIS WATERMAIN OFFSET IS FOR CONFLICTS WITH THE STORM SEWER AT LOCATIONS SHOWN ON THE PLANS
 2. THIS WILL ONLY BE ALLOWED WHEN AUTHORIZED BY THE ENGINEER AND PRIOR TO ANY WORK BEING COMMENCED
 3. PROVIDE MEGALLUG RESTRAINT AT JOINT ON BENDS AND AS SHOWN ON THIS DETAIL
 4. COAT ALL ANCHORAGE AS PER SPECIFICATIONS
 5. PROVIDE SAND CUSHION BETWEEN TOP OF WATERMAIN AND BOTTOM OF SEWER PIPE, MIN DIMENSIONS AS SHOWN THIS DETAIL (INCIDENTAL)
 6. PIPE AND FITTINGS SHALL BE PAID PER UNIT PRICE FOR THOSE ITEMS, PAYMENT FOR ADDITIONAL EXCAVATION, PREPARATION AND BACKFILLING PAID UNDER WATERMAIN OFFSET ITEM UNIT PRICE

① VERIFY SANITARY AND STORM SEWER PIPE ELEVATION TO MAINTAIN 1.5' SEPARATION AND A MINIMUM OF 6" COVER OR CONSTRUCT WATER SERVICE BELOW SANITARY AND STORM SEWER WITH 1.5' MINIMUM SEPARATION.

WATER SERVICE REPAIR DETAIL
NOT TO SCALE



SANITARY SEWER SERVICE REPAIR
NOT TO SCALE



- Install pipe support for all new sewers 12 inches in diameter or larger when clearance between bottom of new sewer and top of existing line is 12 inches or less.
- ① Comply with Figure 3010.101.
 - ② Form interior surface of footings. Keep the 12 inch utility clear zone free of concrete.
- OD = Outside pipe diameter

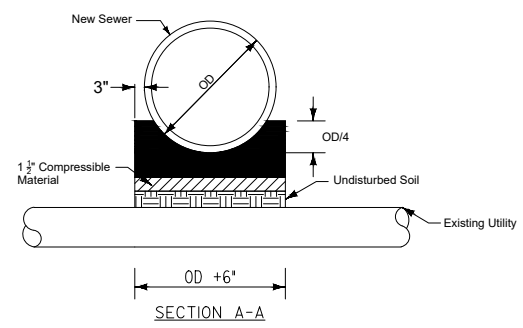


FIGURE 3010.901 SHEET 1 OF 1

REVISION	
1	10-25-14
3010.901	
SHEET 1 of 1	
SEWER PIPE SUPPORT OVER EXISTING UTILITY LINE	

ISSUE	DATE	DESCRIPTION	PROJECT NUMBER

C:\pwworking\central01\1d1259540\C.1.dwg, 12/21/2020 10:46:22 AM, MRASMUSSEN



NOTES:

- 1) THIS IS A TIED PLAN SET AND THE BID ITEMS BELOW ARE A COMPLETE LIST OF ALL BID ITEMS AND QUANTITIES TO BE INSTALLED WITH THIS CONTRACT.
- 2) THE TIED PLANS PROVIDE THE WATER MAIN IMPROVEMENTS WHICH HAVE BEEN COMPLETED BY CGA (PROJECT #8811). THESE PLANS ARE LOCATED ON SHEET A.01 TO SHEET D.10.
- 3) DIVISION #2 QUANTITIES ARE FROM THE TIED PLAN SET BY CGA WHICH ARE LISTED UNDER "BID CONTRACTOR" FROM SHEET C.01 IN THE CGA PLANS

Item No.	Item Code	Item	Unit	Division #1 Quantity	Division #2 Quantity
1	2010-108-K-1	FILLING AND PLUGGING OF KNOWN CULVERTS, PIPES, AND CONDUITS, RCP, 36 IN.	LF	50	
2	2010-108-D-1	TOPSOIL, STRIP, SALVAGE AND SPREAD, 8"	SY	5,208	
3	2010-108-E-0	EXCAVATION, CLASS 13, ROADWAY AND BORROW	CY	6,971	
4	2010-108-G-0	SUBGRADE PREPARATION	SY	12,992	
5	2010-108-H-0	SUBGRADE TREATMENT, GEOGRID	SY	12,992	
6	2010-108-I-0	MODIFIED SUBBASE	SY	12,992	
7	2010-108-L-0	COMPACTION TESTING	LS	1	
8	2599-9999999	TREE REMOVAL	EACH	4	
9	2599-9999999	REMOVE & REPLACE MAILBOX	EACH	15	
10	2599-9999999	SIGN REMOVAL & REPLACEMENT	EACH	58	
11	2599-9999999	PRIVATE DRAIN CONNECTION	EACH	1	
12	2599-9999999	SUMP PUMP CONNECTION	EACH	5	
13	2599-9999999	SPECIAL BACKFILL, COMPACTION, REMOVAL, AND INSTALLATION	LS	1	
14	3010-108-A	GRANULAR BACKFILL	TON		1,275
15	3010-108-F-0	TRENCH COMPACTION TESTING	LS	1	
16	4020-108-A-1	STORM SEWER, TRENCHED, RCP, 18 IN.	LF	2,570	
17	4020-108-A-1	STORM SEWER, TRENCHED, RCP, 24 IN.	LF	291	
18	4020-108-A-1	STORM SEWER, TRENCHED, RCP, 30 IN.	LF	438	
19	4020-108-A-1	STORM SEWER, TRENCHED, RCP, 36 IN.	LF	1,860	
20	4020-108-A-1	STORM SEWER, TRENCHED, RCP, 48 IN.	LF	709	
21	4020-108-D-0	REMOVAL OF STORM SEWER, RCP, 12 IN.	LF	498	
22	4020-108-D-0	REMOVAL OF STORM SEWER, RCP, 15 IN.	LF	180	
23	4020-108-D-0	REMOVAL OF STORM SEWER, RCP, 18 IN.	LF	30	
24	4020-108-D-0	REMOVAL OF STORM SEWER, RCP, 24 IN.	LF	634	
25	4020-108-D-0	REMOVAL OF STORM SEWER, RCP, 30 IN.	LF	61	
26	4020-108-D-0	REMOVAL OF STORM SEWER, RCP, 36 IN.	LF	546	
27	4020-108-D-0	REMOVAL OF STORM SEWER, RCP, 40 IN.	LF	1,412	
28	5010-108-A-1	WATER MAIN, TRENCHED, PVC, 6 IN.	LF		1,748
29	5010-108-A-1	WATER MAIN, TRENCHED, PVC, 8 IN.	LF		723
30	5010-108-C-1	FITTING, 45 DEGREE ELBOW, DIP, 6 IN.	EACH		58
31	5010-108-C-1	FITTING, 45 DEGREE ELBOW, DIP, 8 IN.	EACH		54
32	5010-108-C-1	FITTING, TEE, DIP, 8x8x6 IN.	EACH		6
33	5010-108-C-1	FITTING, TEE, DIP, 6x6x6 IN.	EACH		2
34	5010-108-C-1	FITTING, COUPLING, DIP, 6"	EACH		10
35	5010-108-C-1	FITTING, COUPLING, DIP, 8"	EACH		4
36	5010-108-C-1	RETAINER GLAND, 6"	EACH		108
37	5010-108-C-1	RETAINER GLAND, 8"	EACH		56
38	5010-108-C-1	MECHANICAL JOINT ADAPTER, DIP, 6"	EACH		5
39	5010-108-C-1	MECHANICAL JOINT ADAPTER, DIP, 8"	EACH		5
40	5010-108-D-0	WATER SERVICE STUB, COPPER, 3/4 IN.	EACH	6	
41	5010-108-D-0	WATER SERVICE STUB, COPPER, 1 IN.	EACH	0	
42	5010-108-D-0	WATER SERVICE STUB, COPPER, 1-1/2 IN.	EACH	0	
43	5010-108-D-0	WATER SERVICE STUB, COPPER, 2 IN.	EACH	0	

44	5010-108-E-1	WATER SERVICE PIPE, COPPER, 3/4 IN.	LF		22
45	5010-108-E-2	WATER SERVICE CORPORATION, 3/4 IN.	EACH		3
46	5020-108-A-0	VALVE, GATE, 6 IN.	EACH		9
47	5020-108-A-0	VALVE, GATE, 8 IN.	EACH		6
48	5020-108-C-0	FIRE HYDRANT ASSEMBLY	EACH		3
49	5020-108-H-0	FIRE HYDRANT ADJUSTMENT	EACH	1	
50	5020-108-I-0	FIRE HYDRANT ASSEMBLY REMOVAL	EACH		1
51	6010-108-A-0	MANHOLE, SW-401, 60 IN.	EACH	5	
52	6010-108-A-0	MANHOLE, SW-401, 72 IN.	EACH	3	
53	6010-108-A-0	MANHOLE, SW-401, 84 IN.	EACH	5	
54	6010-108-A-0	MANHOLE, SW-401, 96 IN.	EACH	1	
55	6010-108-B-0	INTAKE, SW-513	EACH	2	
56	6010-108-B-0	INTAKE, SW-507	EACH	14	
57	6010-108-B-0	INTAKE, SW-508	EACH	3	
58	6010-108-B-0	INTAKE, SW-508 CIP	EACH	8	
59	6010-108-B-0	INTAKE, SW-541	EACH	25	
60	6010-108-E-0	MANHOLE ADJUSTMENT, MINOR	EACH	19	
61	6010-108-G-0	CONNECTION TO EXISTING INTAKE	EACH	1	
62	6010-108-H-0	REMOVE MANHOLE	EACH	7	
63	6010-108-H-0	REMOVE INTAKE	EACH	26	
64	7010-108-E-0	CURB AND GUTTER, 2.5 FT. (WIDTH), 6 IN. (THICKNESS)	LF	6,175	
65	7020-108-A-0	PAVEMENT, HMA, 7 IN.	TON	4,527	
66	7020-108-I-0	HMA PAVEMENT SAMPLES AND TESTING	LS	1	
67	7021-108-B-0	HMA OVERLAY, 2 IN.	SY	4,076	
68	7030-108-A-0	REMOVAL OF SIDEWALK	SY	1,306	
69	7030-108-A-0	REMOVAL OF DRIVEWAY	SY	1,057	
70	7030-108-E-0	SIDEWALK, PCC, 5 IN.	SY	1,436	
71	7030-108-E-0	SIDEWALK, PCC, 6 IN.	SY	204	
72	7030-108-G-0	DETECTABLE WARNINGS	SF	419	
73	7030-108-H-1	DRIVEWAY, PAVED, PCC, 6 IN.	SY	1,199	
74	7040-108-G-0	MILLING, VARIABLE DEPTH	SY	4,076	
75	7040-108-H-0	PAVEMENT REMOVAL	SY	12,317	
76	8020-108-E-0	PERMANENT TAPE MARKINGS, CROSSWALK	STA	7	
77	8030-108-A-0	TEMPORARY TRAFFIC CONTROL	LS	1	
78	9010-108-A-0	CONVENTIONAL SEEDING, SEEDING, FERTILIZING, AND MULCHING	AC	1	
79	9040-108-A-1	SWPPP PREPARATION	LS	1	
80	9040-108-A-2	SWPPP MANAGEMENT	LS	1	
81	9040-108-R-0	TURF REINFORCEMENT MATS, TYPE 4	SF	110	
82	9040-108-T-1	INLET PROTECTION DEVICE, FILTER SOCK	EACH	53	
83	11,010-108-A	CONSTRUCTION SURVEY	LS	1	
84	11,020-108-A	MOBILIZATION	LS	1	
85	11,030-108-A-0	MAINTENANCE OF POSTAL SERVICE	LS	1	
86	11,030-108-B-0	MAINTENANCE OF SOLID WASTE COLLECTION	LS	1	
87	11,050-108-A-0	CONCRETE WASHOUT	LS	1	

1	2	3	4	5	6	7	8
ESTIMATE REFERENCE INFORMATION							
Item No.	Item Code	Description					
1	2010-108-K-1	FILLING AND PLUGGING OF KNOWN CULVERTS, PIPES, AND CONDUITS, RCP, 36 IN. SUDAS STANDARD SPECIFICATION					
2	2010-108-D-1	TOPSOIL, STRIP, SALVAGE AND SPREAD, 8" A. CONTRACTOR SHALL BE RESPONSIBLE FOR STRIPPING, SALVAGING, STORING AND RESPREADING EXISTING TOPSOIL ON SITE. RESPREAD TOPSOIL SHALL BE TO A MINIMUM DEPTH OF 8 INCHES.					
3	2010-108-E-0	EXCAVATION, CLASS 13, ROADWAY AND BORROW A. INCLUDES: IN ADDITION TO THE SUDAS SPECIFICATION, THIS ITEM SHALL INCLUDE THE REMOVAL OF EXISTING SOIL AND AGGREGATE BASE, HAULING AND PLACEMENT OF THE MATERIAL WITHIN THE GRADING LIMITS, HAULING AND PLACEMENT OF EXCESS SOIL(WASTE), AND HAULING AND PLACEMENT OF BORROW MATERIAL IN ACCORDANCE WITH THE SPECIFICATIONS AND THESE PLANS. THE CONTRACTOR SHALL DISPOSE OF EXCESS MATERIAL AND MATERIAL THAT IS NOT SUITABLE FOR EMBANKMENT CONSTRUCTION TO LOCATIONS AS DESIGNATED BY THE ENGINEER. B. THE FINISHED SUBGRADE SHALL BE OF UNIFORM CROSS-SECTION AND APPROVED BY THE ENGINEER PRIOR TO PLACEMENT OF THE MODIFIED SUBBASE. CONTRACTOR SHALL NOTIFY CITY OF ANY DISPUTE WITH EXCAVATION PLAN QUANTITY PRIOR TO CONSTRUCTION, OTHERWISE PLAN QUANTITY WILL BE USED FOR PAYMENT. CUT = 6,971 CY, FILL + 30% = 135 CY					
4	2010-108-G-0	SUBGRADE PREPARATION SUDAS STANDARD SPECIFICATION					
5	2010-108-H-0	SUBGRADE TREATMENT, GEOGRID SUDAS STANDARD SPECIFICATION					
6	2010-108-I-0	MODIFIED SUBBASE SUDAS STANDARD SPECIFICATION					
7	2010-108-L-0	COMPACTION TESTING SUDAS STANDARD SPECIFICATION					
8	2599-9999999	TREE REMOVAL A. DESCRIPTION: REMOVAL AND DISPOSAL OF TREES IDENTIFIED FOR REMOVAL ON THE PLANS B. MEASUREMENT: MEASUREMENT WILL BE PER EACH TREE THAT IS REMOVED. C. PAYMENT: PAYMENT WILL BE AT THE UNIT PRICE PER EACH. D. INCLUDES: THIS ITEM INCLUDES BUT IS NOT LIMITED TO, ALL MATERIALS, EQUIPMENT, AND LABOR TO THE REMOVAL, HAULING, AND DISPOSAL OF THE REMOVED TREE.					
9	2599-9999999	REMOVE & REPLACE MAILBOX A. DESCRIPTION: REMOVAL AND REINSTALLATION OF MAILBOXES THAT WILL BE DISTURBED BY CONSTRUCTION ACTIVITY B. MEASUREMENT: MEASUREMENT WILL BE PER EACH MAILBOX THAT IS REMOVED AND REINSTALLED. C. PAYMENT: PAYMENT WILL BE AT THE UNIT PRICE PER EACH. D. INCLUDES: THIS ITEM INCLUDES BUT IS NOT LIMITED TO, ALL MATERIALS, EQUIPMENT, AND LABOR TO THE REMOVAL AND REPLACEMENT OF THE MAILBOX, MAILBOX POST, MAILBOX FOUNDATION, TRANSPORTATION, AND RESTORATION OF THE MAILBOX AND MAILBOX SURROUNDINGS WITH IN-KIND MATERIALS. MAINTENANCE OF MAILBOXES DURING CONSTRUCTION WILL BE PAID FOR SEPERATELY UNDER BID ITEM 11,030-108-A-0 , MAINTENANCE OF POSTAL SERVICE.					
10	2599-9999999	SIGN REMOVAL & REPLACEMENT A. DESCRIPTION: REMOVAL AND REINSTALLATION OF TRAFFIC, STREET, AND INFORMATION SIGNS OWNED BY THE CITY THAT ARE DISTURBED BY CONSTRUCTION ACTIVITY. B. MEASUREMENT: MEASUREMENT WILL BE PER EACH SIGN THAT IS REMOVED AND REINSTALLED. C. PAYMENT: PAYMENT WILL BE AT THE UNIT PRICE PER EACH. D. INCLUDES: THIS ITEM INCLUDES BUT IS NOT LIMITED TO, ALL MATERIALS, EQUIPMENT, AND LABOR REQUIRED FOR THE REMOVAL AND REPLACEMENT OF THE SIGN, SIGN POST, BREAKOFF, TRANSPORTATION, AND RESTORATION OF THE SIGN AND SIGN SURROUNDINGS.					
11	2599-9999999	PRIVATE DRAIN CONNECTION A. DESCRIPTION: EXPOSING, EXCAVATING, AND CONNECTING EXISTING PRIVATE GRAVITY FLOW STORM DRAINS TO STORM SEWER PIPE AT LOCATIONS INDICIATED ON THE PLANS. THERE IS APPROXIMATELY 1 LOCATION. B. MEASUREMENT: MEASUREMENT WILL BE PER EACH CONNECTION. C. PAYMENT: PAYMENT WILL BE AT THE UNIT PRICE PER EACH. D. INCLUDES: THIS ITEM INCLUDES BUT IS NOT LIMITED TO, ALL MATERIALS, EQUIPMENT, AND LABOR REQUIRED FOR THE CONNECTION OF GRAVITY FLOW PRIVATE DRAINS TO THE STORM SEWER, EXCAVATION, EXPOSING, CORING, CONNECTING, SLEEVES/FITTINGS, AND BACKFILL.					
12	2599-9999999	SUMP PUMP CONNECTION A. DESCRIPTION: EXPOSING, EXCAVATING, AND CONNECTING EXISTING PRIVATE FORCE SUMP PUMP SERVICE TO STORM SEWER PIPE AT LOCATIONS INDICATED ON THE PLANS. THERE ARE APPROXIMATELY 5 LOCATIONS. B. MEASUREMENT: MEASUREMENT WILL BE PER EACH CONNECTION. C. PAYMENT: PAYMENT WILL BE AT THE UNIT PRICE PER EACH. D. INCLUDES: THIS ITEM INCLUDES BUT IS NOT LIMITED TO, ALL MATERIALS, EQUIPMENT, AND LABOR REQUIRED FOR THE CONNECTION OF EXISTING PRIVATE FORCE SUMP PUMP SERVICE TO THE STORM SEWER, EXCAVATION, EXPOSING, CORING, CONNECTING, SLEEVES/FITTINGS, AND BACKFILL.					

13	2599-9999999	SPECIAL BACKFILL, COMPACTION, REMOVAL, AND INSTALLATION A. DESCRIPTION: AT SPECIAL LOCATIONS INDICATED ON THE PLANS, VIBRATORY COMPACTION OF BACKFILL IS PROHIBITED AND FLOWABLE FILL IS TO BE USED. LOCATION INDICATED ON PLANS HAS AN EXISTING WATERPROOF MEMBRANE AT THE FOUNDATION AND CONTRACTOR IS TO TAKE ALL PRECAUTIONS TO ELIMINATE VIBRATION OR OTHER CONSTRUCTION METHODS THAT WOULD IMPACT THE FOUNDATION OF THE HOUSE AT KNOWN ADDRESS 1807 S 4TH STREET, APPROXIMATELY STATION 4+50. B. MEASUREMENT: MEASUREMENT WILL BE LUMP SUM. C. PAYMENT: PAYMENT WILL BE LUMP SUM. D. INCLUDES: THIS ITEM INCLUDES BUT IS NOT LIMITED TO, ALL MATERIALS, EQUIPMENT, LABOR, AND INSURANCE REQUIRED TO ELIMINATE VIBRATORY OR OTHER IMPACT TO KNOWN EXISTING WATERPROOF MEMBRANE ON FOUNDATION AT KNOWN PROPERTY 1807 S 4TH STREET, APPROXIMATELY STATION 4+50 WITH EXISTING WATERPROOF MEMBRANE.
14	3010-108-A	GRANULAR BACKFILL SEE SHEET C.02 OF CGA PLANS.
15	3010-108-F-0	TRENCH COMPACTION TESTING SUDAS STANDARD SPECIFICATION
16	4020-108-A-1	STORM SEWER, TRENCHED, RCP, 18 IN. A. CONTRACTOR SHALL TELEVISE ALL STORM SEWERS AND TURN OVER DATA TO CITY UPON COMPLETION OF THE TESTING AND INSPECTION AND PRIOR TO SUBGRADE PREPARATION. DATA SUBMITTAL TO BE APPROVED BY ENGINEER. B. TYPE OF PIPE ALLOWED SHALL BE RCP, CLASS III. ANY LOCATION WHERE THE STORM SEWER IS LOCATED WITHIN 18 INCHES VERTICALLY OR OVER A WATERMAIN THE STORM SEWER PIPE SHALL BE GASKETED WITH THE JOINTS LOCATED AS FAR FROM THE WATER MAIN AS POSSIBLE. C. INCLUDES: IN ADDITION TO THE SUDAS SPECIFICATION, THIS BID ITEM INCLUDES SEWER PIPE SUPPORT WHERE SEPARATION IS LESS THAN 18". REFER DETAIL 3010.901 ON SHEET B.2 AND TO M.1 THROUGH M.21 FOR LOCATIONS. APPROXIMATELY 7 SUPPORT LOCATIONS IN TOTAL FOR THE PROJECT.
17	4020-108-A-1	STORM SEWER, TRENCHED, RCP, 24 IN. A. CONTRACTOR SHALL TELEVISE ALL STORM SEWERS AND TURN OVER DATA TO CITY UPON COMPLETION OF THE TESTING AND INSPECTION AND PRIOR TO SUBGRADE PREPARATION. DATA SUBMITTAL TO BE APPROVED BY ENGINEER. B. TYPE OF PIPE ALLOWED SHALL BE RCP, CLASS III. ANY LOCATION WHERE THE STORM SEWER IS LOCATED WITHIN 18 INCHES VERTICALLY OR OVER A WATERMAIN THE STORM SEWER PIPE SHALL BE GASKETED WITH THE JOINTS LOCATED AS FAR FROM THE WATER MAIN AS POSSIBLE. C. INCLUDES: IN ADDITION TO THE SUDAS SPECIFICATION, THIS BID ITEM INCLUDES SEWER PIPE SUPPORT WHERE SEPARATION IS LESS THAN 18". REFER DETAIL 3010.901 ON SHEET B.2 AND TO M.1 THROUGH M.21 FOR LOCATIONS. APPROXIMATELY 7 SUPPORT LOCATIONS IN TOTAL FOR THE PROJECT.
18	4020-108-A-1	STORM SEWER, TRENCHED, RCP, 30 IN. A. CONTRACTOR SHALL TELEVISE ALL STORM SEWERS AND TURN OVER DATA TO CITY UPON COMPLETION OF THE TESTING AND INSPECTION AND PRIOR TO SUBGRADE PREPARATION. DATA SUBMITTAL TO BE APPROVED BY ENGINEER. B. TYPE OF PIPE ALLOWED SHALL BE RCP, CLASS III. ANY LOCATION WHERE THE STORM SEWER IS LOCATED WITHIN 18 INCHES VERTICALLY OR OVER A WATERMAIN THE STORM SEWER PIPE SHALL BE GASKETED WITH THE JOINTS LOCATED AS FAR FROM THE WATER MAIN AS POSSIBLE. C. INCLUDES: IN ADDITION TO THE SUDAS SPECIFICATION, THIS BID ITEM INCLUDES SEWER PIPE SUPPORT WHERE SEPARATION IS LESS THAN 18". REFER DETAIL 3010.901 ON SHEET B.2 AND TO M.1 THROUGH M.21 FOR LOCATIONS. APPROXIMATELY 7 SUPPORT LOCATIONS IN TOTAL FOR THE PROJECT.
19	4020-108-A-1	STORM SEWER, TRENCHED, RCP, 36 IN. A. CONTRACTOR SHALL TELEVISE ALL STORM SEWERS AND TURN OVER DATA TO CITY UPON COMPLETION OF THE TESTING AND INSPECTION AND PRIOR TO SUBGRADE PREPARATION. DATA SUBMITTAL TO BE APPROVED BY ENGINEER. B. TYPE OF PIPE ALLOWED SHALL BE RCP, CLASS III. ANY LOCATION WHERE THE STORM SEWER IS LOCATED WITHIN 18 INCHES VERTICALLY OR OVER A WATERMAIN THE STORM SEWER PIPE SHALL BE GASKETED WITH THE JOINTS LOCATED AS FAR FROM THE WATER MAIN AS POSSIBLE. C. INCLUDES: IN ADDITION TO THE SUDAS SPECIFICATION, THIS BID ITEM INCLUDES SEWER PIPE SUPPORT WHERE SEPARATION IS LESS THAN 18". REFER DETAIL 3010.901 ON SHEET B.2 AND TO M.1 THROUGH M.22 FOR LOCATIONS. APPROXIMATELY 7 SUPPORT LOCATIONS IN TOTAL FOR THE PROJECT.
20	4020-108-A-1	STORM SEWER, TRENCHED, RCP, 48 IN. A. CONTRACTOR SHALL TELEVISE ALL STORM SEWERS AND TURN OVER DATA TO CITY UPON COMPLETION OF THE TESTING AND INSPECTION AND PRIOR TO SUBGRADE PREPARATION. DATA SUBMITTAL TO BE APPROVED BY ENGINEER. B. TYPE OF PIPE ALLOWED SHALL BE RCP, CLASS III. ANY LOCATION WHERE THE STORM SEWER IS LOCATED WITHIN 18 INCHES VERTICALLY OR OVER A WATERMAIN THE STORM SEWER PIPE SHALL BE GASKETED WITH THE JOINTS LOCATED AS FAR FROM THE WATER MAIN AS POSSIBLE. C. INCLUDES: IN ADDITION TO THE SUDAS SPECIFICATION, THIS BID ITEM INCLUDES SEWER PIPE SUPPORT WHERE SEPARATION IS LESS THAN 18". REFER DETAIL 3010.901 ON SHEET B.2 AND TO M.1 THROUGH M.21 FOR LOCATIONS. APPROXIMATELY 7 SUPPORT LOCATIONS IN TOTAL FOR THE PROJECT.
21	4020-108-D-0	REMOVAL OF STORM SEWER, RCP, 12 IN. SUDAS STANDARD SPECIFICATION
22	4020-108-D-0	REMOVAL OF STORM SEWER, RCP, 15 IN. SUDAS STANDARD SPECIFICATION
23	4020-108-D-0	REMOVAL OF STORM SEWER, RCP, 18 IN. SUDAS STANDARD SPECIFICATION
24	4020-108-D-0	REMOVAL OF STORM SEWER, RCP, 24 IN. SUDAS STANDARD SPECIFICATION
25	4020-108-D-0	REMOVAL OF STORM SEWER, RCP, 30 IN. SUDAS STANDARD SPECIFICATION
26	4020-108-D-0	REMOVAL OF STORM SEWER, RCP, 36 IN. SUDAS STANDARD SPECIFICATION
27	4020-108-D-0	REMOVAL OF STORM SEWER, RCP, 40 IN. SUDAS STANDARD SPECIFICATION



ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	

28	5010-108-A-1	WATER MAIN, TRENCHED, PVC, 6 IN. A. THIS ITEM IS FOR THE REPLACEMENT OF EXISTING WATER MAIN THAT IS IN CONFLICT WITH PROPOSED IMPROVEMENTS, AND SHALL ONLY BE USED UPON THE APPROVAL OF THE ENGINEER. APPROXIMATE QUANTITY IS SHOWN ON SHEET C.01 OF CGA PLANS TO ESTABLISH A UNIT PRICE FOR THIS BID ITEM. SEE SHEET C.02 OF CGA PLANS FOR MORE INFORMATION. B. REFER TO SHEET C.01 OF CGA PLANS FOR A SCHEDULE OF WATER UTILITY REPLACEMENT LOCATIONS AND SHEETS D.01 THROUGH D.10 OF CGA PLANS FOR WATER PLAN SHEETS. D. INSTALL RUBBER GASKETS ON WATER MAIN PIPE JOINTS WITHIN 10' OF SEWER CROSSING. E. INCLUDES: IN ADDITION TO THE SUDAS SPECIFICATION, THIS ITEM INCLUDES BUT IS NOT LIMITED TO, EXCAVATION, HAULING OFF EXCAVATED SOIL AND MATERIALS TO AN APPROVED LOCATION, INSTALLATION OF PIPE, THRUST BLOCKS, POLYETHYLENE WRAP, APPURTENANCES, AND FURNISHING AND COMPACTION OF BACKFILL. CONTRACTOR TO COORDINATE OUTAGE WITH CITY WITH A MINIMUM OF THREE DAYS NOTICE BEFORE OUTAGE.
29	5010-108-A-1	WATER MAIN, TRENCHED, PVC, 8 IN. A. THIS ITEM IS FOR THE REPLACEMENT OF EXISTING WATER MAIN THAT IS IN CONFLICT WITH PROPOSED IMPROVEMENTS, AND SHALL ONLY BE USED UPON THE APPROVAL OF THE ENGINEER. APPROXIMATE QUANTITY IS SHOWN ON SHEET C.01 OF CGA PLANS TO ESTABLISH A UNIT PRICE FOR THIS BID ITEM. SEE SHEET C.02 OF CGA PLANS FOR MORE INFORMATION. B. REFER TO SHEET C.01 OF CGA PLANS FOR A SCHEDULE OF WATER UTILITY REPLACEMENT LOCATIONS AND SHEETS D.01 THROUGH D.10 OF CGA PLANS FOR WATER PLAN SHEETS. D. INSTALL RUBBER GASKETS ON WATER MAIN PIPE JOINTS WITHIN 10' OF SEWER CROSSING. E. INCLUDES: IN ADDITION TO THE SUDAS SPECIFICATION, THIS ITEM INCLUDES BUT IS NOT LIMITED TO, EXCAVATION, HAULING OFF EXCAVATED SOIL AND MATERIALS TO AN APPROVED LOCATION, INSTALLATION OF PIPE, THRUST BLOCKS, POLYETHYLENE WRAP, APPURTENANCES, AND FURNISHING AND COMPACTION OF BACKFILL. CONTRACTOR TO COORDINATE OUTAGE WITH CITY WITH A MINIMUM OF THREE DAYS NOTICE BEFORE OUTAGE.
30	5010-108-C-1	FITTING, 45 DEGREE ELBOW, DIP, 6 IN. A. THIS ITEM IS FOR THE REPLACEMENT OF EXISTING WATER MAIN THAT IS IN CONFLICT WITH PROPOSED IMPROVEMENTS, OR EXISTING UTILITIES ONLY TO BE USED UPON THE APPROVAL OF THE ENGINEER. APPROXIMATE QUANTITY IS SHOWN ON SHEET C.01 OF CGA PLANS TO ESTABLISH A UNIT PRICE FOR THIS BID ITEM. SEE SHEET C.02 OF CGA PLANS FOR MORE INFORMATION.
31	5010-108-C-1	FITTING, 45 DEGREE ELBOW, DIP, 8 IN. A. THIS ITEM IS FOR THE REPLACEMENT OF EXISTING WATER MAIN THAT IS IN CONFLICT WITH PROPOSED IMPROVEMENTS, OR EXISTING UTILITIES ONLY TO BE USED UPON THE APPROVAL OF THE ENGINEER. APPROXIMATE QUANTITY IS SHOWN ON SHEET C.01 OF CGA PLANS TO ESTABLISH A UNIT PRICE FOR THIS BID ITEM. SEE SHEET C.02 OF CGA PLANS FOR MORE INFORMATION.
32	5010-108-C-1	FITTING, TEE, DIP, 8x8x6 IN. A. THIS ITEM IS FOR THE REPLACEMENT OF EXISTING WATER MAIN THAT IS IN CONFLICT WITH PROPOSED IMPROVEMENTS, OR EXISTING UTILITIES ONLY TO BE USED UPON THE APPROVAL OF THE ENGINEER. APPROXIMATE QUANTITY IS SHOWN ON SHEET C.01 OF CGA PLANS TO ESTABLISH A UNIT PRICE FOR THIS BID ITEM. SEE SHEET C.02 OF CGA PLANS FOR MORE INFORMATION.
33	5010-108-C-1	FITTING, TEE, DIP, 6x6x6 IN. A. THIS ITEM IS FOR THE REPLACEMENT OF EXISTING WATER MAIN THAT IS IN CONFLICT WITH PROPOSED IMPROVEMENTS, OR EXISTING UTILITIES ONLY TO BE USED UPON THE APPROVAL OF THE ENGINEER. APPROXIMATE QUANTITY IS SHOWN ON SHEET C.01 OF CGA PLANS TO ESTABLISH A UNIT PRICE FOR THIS BID ITEM. SEE SHEET C.02 OF CGA PLANS FOR MORE INFORMATION.
34	5010-108-C-1	FITTING, COUPLING, DIP, 6" SEE SHEET C.02 OF CGA PLANS.
35	5010-108-C-1	FITTING, COUPLING, DIP, 8" SEE SHEET C.02 OF CGA PLANS.
36	5010-108-C-1	RETAINER GLAND, 6" SEE SHEET C.02 OF CGA PLANS.
37	5010-108-C-1	RETAINER GLAND, 8" SEE SHEET C.02 OF CGA PLANS.
38	5010-108-C-1	MECHANICAL JOINT ADAPTER, DIP, 6" SEE SHEET C.02 OF CGA PLANS.
39	5010-108-C-1	MECHANICAL JOINT ADAPTER, DIP, 8" SEE SHEET C.02 OF CGA PLANS.
40	5010-108-D-0	WATER SERVICE STUB, COPPER, 3/4 IN. A. THIS ITEM IS FOR THE REPLACEMENT OF EXISTING WATER SERVICES THAT ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS OR EXISTING UTILITIES. THIS BID ITEM IS ONLY TO BE USED UPON APPROVAL OF THE ENGINEER. APPROXIMATE QUANTITY IS SHOWN ON SHEET C.6. B. REFER TO SHEET C.6 FOR A SCHEDULE OF WATER SERVICE REPLACEMENT LOCATIONS AND SHEETS D.01 THROUGH D.10 OF THE CGA PLANS FOR WATER PLAN SHEETS. C. INCLUDES: IN ADDITION TO THE SUDAS SPECIFICATIONS, THIS ITEM ALSO INCLUDES BUT IS NOT LIMITED TO, EXPOSING THE EXISTING WATER SERVICE LINE AND VERIFYING SIZE PRIOR TO REPLACEMENT, EXCAVATION, HAULING OFF EXCAVATED SOILS AND MATERIALS TO AN APPROVED LOCATION, INSTALLATION OF PIPE, BACKFILL, AND COMPACTION OF BACKFILL.
41	5010-108-D-0	WATER SERVICE STUB, COPPER, 1 IN. A. THIS ITEM IS FOR THE REPLACEMENT OF EXISTING WATER SERVICE THAT IS IN CONFLICT WITH PROPOSED IMPROVEMENTS, OR EXISTING UTILITIES ONLY TO BE USED UPON THE APPROVAL OF THE ENGINEER. APPROXIMATE QUANTITY IS SHOWN ON SHEET C.6 TO ESTABLISH A UNIT PRICE FOR THIS BID ITEM. B. REFER TO SHEET C.6 FOR A SCHEDULE OF WATER UTILITY REPLACEMENT LOCATIONS AND SHEETS D.01 THROUGH D.10 OF CGA PLANS FOR WATER PLAN SHEETS. C. INCLUDES: IN ADDITION TO THE SUDAS SPECIFICATIONS, THIS ITEM ALSO INCLUDES BUT IS NOT LIMITED TO, EXCAVATION, HAULING OFF EXCAVATED SOIL AND MATERIALS TO AN APPROVED LOCATION, INSTALLATION OF PIPE, BACKFILL, AND COMPACTION OF BACKFILL.

		WATER SERVICE STUB, COPPER, 1-1/2 IN. A. THIS ITEM IS FOR THE REPLACEMENT OF EXISTING WATER SERVICE THAT IS IN CONFLICT WITH PROPOSED IMPROVEMENTS, OR EXISTING UTILITIES ONLY TO BE USED UPON THE APPROVAL OF THE ENGINEER. APPROXIMATE QUANTITY IS SHOWN ON SHEET C.6 TO ESTABLISH A UNIT PRICE FOR THIS BID ITEM. B. REFER TO SHEET C.6 FOR A SCHEDULE OF WATER UTILITY REPLACEMENT LOCATIONS AND SHEETS D.01 THROUGH D.10 OF CGA PLANS FOR WATER PLAN SHEETS. C. INCLUDES: IN ADDITION TO THE SUDAS SPECIFICATIONS, THIS ITEM ALSO INCLUDES BUT IS NOT LIMITED TO, EXCAVATION, HAULING OFF EXCAVATED SOIL AND MATERIALS TO AN APPROVED LOCATION, INSTALLATION OF PIPE, BACKFILL, AND COMPACTION OF BACKFILL.
42	5010-108-D-0	
		WATER SERVICE STUB, COPPER, 2 IN. A. THIS ITEM IS FOR THE REPLACEMENT OF EXISTING WATER SERVICE THAT IS IN CONFLICT WITH PROPOSED IMPROVEMENTS, OR EXISTING UTILITIES ONLY TO BE USED UPON THE APPROVAL OF THE ENGINEER. APPROXIMATE QUANTITY IS SHOWN ON SHEET C.6 TO ESTABLISH A UNIT PRICE FOR THIS BID ITEM. B. REFER TO SHEET C.6 FOR A SCHEDULE OF WATER UTILITY REPLACEMENT LOCATIONS AND SHEETS D.01 THROUGH D.10 OF CGA PLANS FOR WATER PLAN SHEETS. C. INCLUDES: IN ADDITION TO THE SUDAS SPECIFICATIONS, THIS ITEM ALSO INCLUDES BUT IS NOT LIMITED TO, EXCAVATION, HAULING OFF EXCAVATED SOIL AND MATERIALS TO AN APPROVED LOCATION, INSTALLATION OF PIPE, BACKFILL, AND COMPACTION OF BACKFILL.
43	5010-108-D-0	
		WATER SERVICE PIPE, COPPER, 3/4 IN. SEE SHEET C.02 OF CGA PLANS.
44	5010-108-E-1	
		WATER SERVICE CORPORATION, 3/4 IN. SEE SHEET C.02 OF CGA PLANS.
45	5010-108-E-2	
		VALVE, GATE, 6 IN. SUDAS STANDARD SPECIFICATION. SEE SHEET C.02 OF CGA PLANS FOR MORE INFORMATION.
46	5020-108-A-0	
		VALVE, GATE, 8 IN. SUDAS STANDARD SPECIFICATION. SEE SHEET C.02 OF CGA PLANS FOR MORE INFORMATION.
47	5020-108-A-0	
		FIRE HYDRANT ASSEMBLY A. INCLUDES: IN ADDITION TO THE SUDAS SPECIFICATIONS, THIS ITEM ALSO INCLUDES BUT IS NOT LIMITED TO, EXCAVATION, HAULING OFF EXCAVATED SOIL AND MATERIALS TO AN APPROVED LOCATION, FIRE HYDRANT AND HYDRANT ASSEMBLY, AND FURNISHING AND COMPACTION OF BACKFILL. SEE SHEET C.02 CGA PLANS FOR MORE INFORMATION.
48	5020-108-C-0	
		FIRE HYDRANT ADJUSTMENT SUDAS STANDARD SPECIFICATION
49	5020-108-H-0	
		FIRE HYDRANT ASSEMBLY REMOVAL SUDAS STANDARD SPECIFICATION
50	5020-108-I-0	
		MANHOLE, SW-401, 60 IN. A. INCLUDES: IN ADDITION TO THE SUDAS SPECIFICATIONS, THIS ITEM ALSO INCLUDES BUT IS NOT LIMITED TO, INSTALLING RISERS TO BRING THE CONICAL SECTION OUT OF THE GRANULAR SUBBASE AND CONSTRUCTION OF CONCRETE BOX-OUTS.
51	6010-108-A-0	
		MANHOLE, SW-401, 72 IN. A. INCLUDES: IN ADDITION TO THE SUDAS SPECIFICATIONS, THIS ITEM ALSO INCLUDES BUT IS NOT LIMITED TO, INSTALLING RISERS TO BRING THE CONICAL SECTION OUT OF THE GRANULAR SUBBASE AND CONSTRUCTION OF CONCRETE BOX-OUTS.
52	6010-108-A-0	
		MANHOLE, SW-401, 84 IN. A. INCLUDES: IN ADDITION TO THE SUDAS SPECIFICATIONS, THIS ITEM ALSO INCLUDES BUT IS NOT LIMITED TO, INSTALLING RISERS TO BRING THE CONICAL SECTION OUT OF THE GRANULAR SUBBASE AND CONSTRUCTION OF CONCRETE BOX-OUTS.
53	6010-108-A-0	
		MANHOLE, SW-401, 96 IN. A. INCLUDES: IN ADDITION TO THE SUDAS SPECIFICATIONS, THIS ITEM ALSO INCLUDES BUT IS NOT LIMITED TO, INSTALLING RISERS TO BRING THE CONICAL SECTION OUT OF THE GRANULAR SUBBASE AND CONSTRUCTION OF CONCRETE BOX-OUTS.
54	6010-108-A-0	
		INTAKE, SW-513 SUDAS STANDARD SPECIFICATION
55	6010-108-B-0	
		INTAKE, SW-507 SUDAS STANDARD SPECIFICATION
56	6010-108-B-0	
		INTAKE, SW-508 SUDAS STANDARD SPECIFICATION
57	6010-108-B-0	
		INTAKE, SW-508 CIP SUDAS STANDARD SPECIFICATION
58	6010-108-B-0	
		INTAKE, SW-541 SUDAS STANDARD SPECIFICATION
59	6010-108-B-0	
		MANHOLE ADJUSTMENT, MINOR SUDAS STANDARD SPECIFICATION
60	6010-108-E-0	
		CONNECTION TO EXISTING INTAKE SUDAS STANDARD SPECIFICATION
61	6010-108-G-0	
		REMOVE MANHOLE SUDAS STANDARD SPECIFICATION
62	6010-108-H-0	
		REMOVE INTAKE SUDAS STANDARD SPECIFICATION
63	6010-108-H-0	
		CURB AND GUTTER, 2.5 FT. (WIDTH), 6 IN. (THICKNESS) SUDAS STANDARD SPECIFICATION
64	7010-108-E-0	
		PAVEMENT, HMA, 7 IN. IN ADDITION TO THE SUDAS STANDARD SPECIFICATION, THIS ITEM INCLUDES ADJUSTMENT OF ANY WATER VALVES
65	7020-108-A-0	
		HMA PAVEMENT SAMPLES AND TESTING SUDAS STANDARD SPECIFICATION
66	7020-108-I-0	

[illegible]

4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS

ESTIMATE REFERENCE INFORMATION

FILENAME	C.1.DWG	SHEET
SCALE	NA	C.3

1	2	3	4	5	6	7	8
<u>DESIGN AND CONSTRUCTION STANDARDS:</u> 1. CITY OF MARSHALLTOWN STANDARD SPECIFICATIONS 2. SUDAS STANDARDS AND SPECIFICATIONS <u>UTILITY COORDINATION NOTES:</u> 1. REFER TO SECTION 1070, 2.07 'PROTECTION OF ABOVEGROUND AND UNDERGROUND FACILITIES' OF THE STANDARD SPECIFICATIONS. 2. EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER AND ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY IOWA ONE CALL (800) 292-8989 TO LOCATE EXISTING UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO EXCAVATING ANYWHERE ON THE PROJECT. 3. UTILITIES THAT WERE KNOWN TO BE IN CONFLICT WERE RELOCATED PRIOR TO THE START OF CONSTRUCTION AND NEW LOCATIONS MAY NOT BE REFLECTED IN THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ACTIVE AND ABANDONED UTILITIES AS NECESSARY FOR CONSTRUCTION. THE LOCATION OF ALL AERIAL AND UNDERGROUND UTILITIES MAY NOT BE INDICATED ON THESE PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DAMAGE TO EXISTING UTILITIES. 4. THE CONTRACTOR IS TO PROTECT EXISTING UTILITIES IN PLACE. UTILITIES THAT WERE NOT ANTICIPATED TO BE IN DIRECT CONFLICT WERE NOT RELOCATED AND MAY REQUIRE COORDINATION BY THE CONTRACTOR WITH EACH UTILITY COMPANY TO FIELD ADJUST UTILITIES AROUND THE PROPOSED IMPROVEMENTS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH EXISTING UTILITY COMPANIES WITH THE UTILITY CONTACT INFORMATION LISTED ON SHEET A.2. 5. THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D UNLESS OTHERWISE NOTED. THIS UTILITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA". 6. A HEART OF IOWA VENTURES, LLC STANDBY IS REQUIRED WHEN EXCAVATION OCCURS NEAR HEART OF IOWA VENTURES, LLC UTILITIES. <u>PROJECT NOTES:</u> 1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING CONSTRUCTION STAKING IN ACCORDANCE WITH SECTION 11,010 OF THE STANDARD SPECIFICATIONS AND SHALL COMPLY WITH IOWA CODE 355 AND IOWA ADMINISTRATIVE CODE SECTION 193C FOR THE REPLACEMENT OF ALL DISTURBED MONUMENTS WITHIN THE PROJECT AREA. 2. CONTRACTOR SHALL PROPERLY SECURE PROJECT SITE AT THE END OF EACH DAY. 3. EACH CONTRACTOR SHALL MAINTAIN ALL EQUIPMENT, PARTICULARLY THE MUFFLING SYSTEMS ON INTERNAL COMBUSTION ENGINES, SO THAT ACCEPTABLE NOISE LEVELS ARE NOT EXCEEDED. EACH CONTRACTOR SHALL MAKE EVERY EFFORT TO LOCATE NOISE-PRODUCING EQUIPMENT IN AREAS WHERE THE SOUND WILL BE LEAST OFFENSIVE. SOUND BARRIERS ARE TO BE PROVIDED IF NEEDED. 4. ALL DISTURBED AREAS SHALL BE SEEDED AND/OR MULCHED (DEPENDING ON DATE) UPON COMPLETION OF GRADING. 5. THE CONTRACTOR SHALL LIMIT THEIR ACCESS TO THE PROJECT SITE TO THE STABILIZED ENTRANCE LOCATIONS SHOWN IN THE SWPPP. 6. ANY TREES AND CROPS SHALL BE REMOVED ONLY BY APPROVAL OF THE ENGINEER. <u>STORM WATER POLLUTION PREVENTION PLAN NOTES:</u> 1. CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF IDNR NPDES GENERAL PERMITS #2. 2. CONTRACTOR SHALL MINIMIZE THE AMOUNT OF SOIL EXPOSED DURING CONSTRUCTION ACTIVITY 3. STABILIZATION OF DISTURBED AREAS MUST, AT A MINIMUM, BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. IN DROUGHT-STRICKEN AREAS AND AREAS THAT HAVE RECENTLY RECEIVED SUCH HIGH AMOUNTS OF RAIN THAT SEEDING WITH FIELD EQUIPMENT IS IMPOSSIBLE AND INITIATING VEGETATIVE STABILIZATION IMMEDIATELY IS INFEASIBLE, ALTERNATIVE STABILIZATION MEASURES MUST BE EMPLOYED AS SPECIFIED BY THE DEPARTMENT. IN LIMITED CIRCUMSTANCES, STABILIZATION MAY NOT BE REQUIRED IF THE INTENDED FUNCTION OF A SPECIFIC AREA OF THE SITE NECESSITATES THAT IT REMAIN DISTURBED. 4. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE; 5. MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE TO PRECIPITATION AND STORM WATER. MINIMIZATION OF EXPOSURE IS NOT REQUIRED IN CASES WHERE THE EXPOSURE TO PRECIPITATION AND TO STORM WATER WILL NOT RESULT IN A DISCHARGE OF POLLUTANTS, OR WHERE EXPOSURE OF A SPECIFIC MATERIAL OR PRODUCT POSES LITTLE RISK OF STORM WATER CONTAMINATION (SUCH AS FINAL PRODUCTS AND MATERIALS INTENDED FOR OUTDOOR USE) 6. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM SPILLS AND LEAKS AND IMPLEMENT CHEMICAL SPILL AND LEAK PREVENTION AND RESPONSE PROCEDURES. 7. CONCRETE WASHOUTS SHALL BE PROVIDED ON SITE. 8. QUALIFIED PERSONNEL SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN STABILIZED WITH A PERENNIAL, VEGETATIVE COVER OF SUFFICIENT DENSITY TO PRECLUDE EROSION AT LEAST ONCE EVERY SEVEN CALENDAR DAYS. UNLESS EROSION IS EVIDENT OR OTHER CONDITIONS WARRANT THEM, REGULAR INSPECTIONS ARE NOT REQUIRED ON AREAS THAT HAVE BEEN STABILIZED WITH A PERENNIAL, VEGETATIVE COVER OF SUFFICIENT DENSITY TO PRECLUDE EROSION. 9. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. 10. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING. 11. BASED ON THE RESULTS OF THE INSPECTION, POLLUTION PREVENTION MEASURES IDENTIFIED IN THE PLANS SHALL BE REVISED AT THE CONSTRUCTION SITE AS APPROPRIATE AS SOON AS PRACTICABLE AFTER THE INSPECTION AND TO THE PLAN AS SOON AS PRACTICABLE AFTER THE INSPECTION BUT IN NO CASE MORE THAN 7 CALENDAR DAYS FOLLOWING THE INSPECTION. IF THE PERMITTEE DETERMINES THAT MAKING THESE CHANGES AT THE CONSTRUCTION SITE OR TO THE PLAN LESS THAN 72 HOURS AFTER THE INSPECTION IS IMPRACTICABLE, THE PERMITTEE SHALL DOCUMENT IN THE PLAN WHY IT IS IMPRACTICABLE AND INDICATE AN ESTIMATED DATE BY WHICH THE CHANGES WILL BE MADE. 12. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS AFTER FINAL STABILIZATION HAS BEEN ACHIEVED AND A NOTICE OF DISCONTINUATION HAS BEEN SUBMITTED TO THE DEPARTMENT.				<u>PAVING NOTES:</u> 1. PEDESTRIAN RAMPS SHALL INCLUDE "DETECTABLE WARNING" TEXTURE. 2. ALL UTILITY FIXTURES (WATER VALVE BOXES, MANHOLES, AND STORM SEWER INTAKES) SHALL BE SET TO THEIR CORRESPONDING PAVEMENT ELEVATIONS. <u>GRADING NOTES</u> 1. ALL GRADING OPERATIONS SHALL BE COMPLETED IN ACCORDANCE WITH DIVISION 2 OF THE SPECIFICATIONS. 2. THE PROPOSED CONTOURS ARE SHOWN ARE TO FINISH GROUND/TOP OF PAVEMENT. 3. THE CONTRACTOR SHALL SHAPE GRADED AREAS TO MAINTAIN SURFACE DRAINAGE AT ALL TIMES. 4. THE CONTRACTOR SHALL BACKFILL CURBS AS SOON AS POSSIBLE UPON COMPLETION OF PAVING. 5. DEWATERING (IF NECESSARY) IS CONTRACTOR'S RESPONSIBILITY AND SHALL BE CONSIDERED INCIDENTAL.. 6. CONTRACTOR SHALL MINIMIZE COMPACTION OF TOPSOIL TO THE EXTENT PRACTICABLE. <u>SANITARY SEWER NOTES</u> 1. SANITARY SEWER INSTALLATION SHALL BE COMPLETED IN ACCORDANCE WITH DIVISIONS 3, 4, AND 6 OF THE SPECIFICATIONS. 2. PRIOR TO INSTALLING PIPE, THE CONTRACTOR SHALL PLUG THE DOWNSTREAM CONNECTION POINTS AND LEAVE PLUGGED UNTIL NEW SEWER PIPE AND MANHOLE CASTINGS ARE IN PLACE. ALL WATER SHALL BE PUMPED OUT AND THE SEWER SHALL BE CLEAN BEFORE REMOVING PLUG. 3. SANITARY SEWER BEDDING SHALL BE CLASS F-3 BEDDING UNLESS OTHERWISE SPECIFIED. 4. SANITARY SEWER SERVICE STUBS SHALL BE STUBBED TO 10 FEET BEYOND THE ROW OF WAY. 5. MANHOLE CASTINGS IN SHALL BE 2 PIECE FIXED CASTINGS WITH CIRCULAR OR SQUARE BOXOUTS. ALL MANHOLE CASTINGS IN A DRAINAGEWAY SHALL BE BOLTED TO THE STRUCTURE AT ALL ATTACHMENT HOLE LOCATIONS IN THE CASTING. ALL CASTINGS SHALL COMPLY WITH FIGURES SW-601. CONCRETE BOX OUTS FOR MANHOLES IN PCC PAVING SHALL COMPLY WITH FIGURE PV-103. CONCRETE BOX OUTS FOR MANHOLES IN HMA PAVING SHALL COMPLY WITH FIGURE PV-201. ALL MANHOLES IN PAVING SHALL BE GASKETED. 6. UPON COMPLETION OF THE SANITARY SEWER MAIN INSTALLATION, THE CONTRACTOR SHALL FURNISH THE CITY A VIDEOTAPE OR DVD OF THE TELEVISED PIPE INSPECTION, TO BE USED AS A BASIS OF ACCEPTANCE OF THE WORK. TELEVISED PIPE INSPECTION SHALL BE COMPLETED WITHIN 30 DAYS OF THE PIPE INSTALLATION AND PRIOR TO THE PLACEMENT OF ANY PAVING. <u>STORM SEWER NOTES</u> 1. STORM SEWER INSTALLATION SHALL BE IN ACCORDANCE WITH DIVISIONS 3, 4, AND 6 OF THE SPECIFICATIONS. 2. STORM SEWER SHALL BE BEDDING SHALL BE CLASS R-2 OR CLASS R-5 DEPENDING ON PIPE SHAPE 3. MANHOLE CASTINGS IN SHALL BE 2 PIECE FIXED CASTINGS WITH CIRCULAR OR SQUARE BOXOUTS. ALL CASTINGS SHALL COMPLY WITH FIGURES SW-602. CONCRETE BOX OUTS FOR MANHOLES IN PCC PAVING SHALL COMPLY WITH FIGURE PV-103. CONCRETE BOX OUTS FOR MANHOLES IN HMA PAVING SHALL COMPLY WITH FIGURE PV-201. ALL MANHOLES IN PAVING SHALL BE GASKETED. 4. STANDARD 48-INCH MANHOLES SHALL BE TYPE SW-301, 60 INCH OR LARGER SHALL BE TYPE SW-401. 5. INTAKE CASTINGS SHALL BE SW-603 TYPE R OR Q. 6. OVERALL PIPE LENGTHS FOR PIPES DO NOT INCLUDE FLARED END SECTIONS. STORM SEWER OUTLET LENGTHS SHOWN DO NOT INCLUDE FLARED END SECTIONS. 7. FOOTINGS SHALL BE INSTALLED UNDER ALL FLARED END SECTIONS IN ACCORDANCE WITH SECTION 4030 OF THE SPECIFICATIONS AND WILL BE CONSIDERED INCIDENTAL TO FLARED END SECTIONS. 8. THE LAST THREE PIPE CONNECTIONS AT FLARED END SECTIONS SHALL BE MADE WITH TYPE 3 PIPE CONNECTORS (I.D.O.T. STANDARD ROAD PLAN (F-14). 9. UPON COMPLETION OF THE STORM SEWER INSTALLATION, THE CONTRACTOR SHALL FURNISH THE CITY A VIDEOTAPE OR DVD OF THE TELEVISED PIPE INSPECTION, TO BE USED AS A BASIS OF ACCEPTANCE OF THE WORK. TELEVISED PIPE INSPECTION SHALL BE COMPLETED WITHIN 30 DAYS OF PIPE INSTALLATION AND PRIOR TO THE PLACEMENT OF ANY PAVING. 10. APRON GUARDS WILL BE INCIDENTAL TO FLARED END SECTIONS AND SHALL BE INSTALLED ON ALL FLARED END SECTIONS. 11. RCP PLUGS SHALL BE CONSIDERED INCIDENTAL TO STORM SEWER CONSTRUCTION. 12. THE CONTRACTOR SHALL REPAIR ANY FIELD TILE ENCOUNTERED DURING CONSTRUCTION OF THIS PROJECT (WHETHER SHOWN ON THE PLAN OR NOT) BY SPLICING OR CONNECTING THE TILE TO THE NEW STORM SEWER SYSTEM. <u>WATER MAIN NOTES</u> 1. WATER MAIN IMPROVEMENTS ARE REFERENCED ON CGA PLANS #8811. SEE SHEETS A.01 THROUGH D.10 FOR GENERAL NOTES, ESTIMATE REFERENCE INFORMATION, AND PLANS. 2. WATER MAIN INSTALLATION SHALL BE COMPLETED IN ACCORDANCE WITH DIVISIONS 3 AND 5 OF THE SPECIFICATIONS. 3. WATER VALVE BOXES SHALL BE CAST IRON IN ACCORDANCE WITH SECTION 5020 OF THE SPECIFICATIONS, OR "TRENCH ADAPTOR" WITH CAST IRON TOP SECTION. AN EXTENSION SHAFT SHALL BE FURNISHED THAT POSITIONS THE VALVE OPERATING NUT WITHIN 2 FEET OF PROPOSED GRADE. 4. METAL WATER MAIN FITTINGS AND METAL ACCESSORIES SHALL BE WRAPPED WITH 8-MIL POLYETHYLENE SHEETING AND SECURED WITH TAPE. 5. WATER MAIN SHALL BE INSTALLED WITH 5.5 FEET COVER (MINIMUM). 6. WATER MAIN BEDDING SHALL BE CLASS P-1. 7. CURB STOP BOXES ON WATER SERVICES SHALL BE LOCATED MID-LOT IN THE TERRACE ON THE STREET SIDE OF THE SIDEWALK WITHIN 1' OF SIDEWALK. 8. A NO. 10 THHN COPPER TRACER WIRE SHALL BE ATTACHED TO ALL WATER MAINS. THE TRACER WIRE SHALL BE BROUGHT TO A TRACER WIRE STATION AT ALL FIRE HYDRANTS. TRACER WIRE TO BE INSTALLED ON TOP OF WATER MAIN PIPE. <u>MISCELLANEOUS NOTES</u> 1. FG, AS NOTED THROUGHOUT THE PROJECT, REFERS TO FORM GRADE. 6" BELOW TOP OF CURB ELEVATION.			



ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	

GENERAL NOTES

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1				2				3				4				5				6				7				8			
CONSTRUCT INLET PROTECTION DEVICES (1 EA)				CONSTRUCT SIDEWALK, PCC, 5 IN.				CONSTRUCT CONCRETE RAMP, PCC, 6 IN.				CONSTRUCT DETECTABLE WARNING PANEL					CONSTRUCT DRIVEWAY, PAVED, PCC, 6 IN.				CONSTRUCT PAVEMENT, HMA, 7"				CONSTRUCT CURB AND GUTTER, 2.5' (WIDTH), 6" (THICKNESS)						
STREET	STATION	SIDE	OFFSET	STREET	STATION TO STATION	SIDE	SQ YD.	STREET	STATION	SIDE	SQ. FT.	STREET	STATION	OFFSET	SIDE	SQ. FT.	STREET	STATION TO STATION	SIDE	SQ YD.	STREET	STATION TO STATION	SIDE	TONS	STREET	STATION TO STATION	SIDE	LF			
S 4TH ST S	2+86	R	15	S 4TH ST S	2+65 TO 3+04	L	21	S 4TH ST S	3+07	R	7	S 4TH ST S	3+07	24	R	24	S 4TH ST S	3+99 TO 4+20	R	21	S 4TH ST S	2+65 TO 3+95	L&R	171	S 4TH ST S	2+65 TO 3+06	R	43			
S 4TH ST S	2+86	L	16	S 4TH ST S	3+52 TO 3+77	R	14	S 4TH ST S	3+09	L	7	S 4TH ST S	3+09	23	L	26	S 4TH ST S	4+36 TO 4+56	L	18	S 4TH ST S	3+95 TO 5+16	L	67	S 4TH ST S	2+65 TO 3+07	L	44			
S 4TH ST S	5+24	R	15	S 4TH ST S	3+54 TO 3+70	L	9	S 4TH ST S	3+47	R	7	S 4TH ST S	3+47	23	R	25	S 4TH ST S	5+44 TO 5+68	L	25	S 4TH ST S	5+16 TO 5+31	L&R	17	S 4TH ST S	3+49 TO 4+20	R	48			
S 4TH ST S	5+24	L	16	S 4TH ST S	7+11 TO 7+16	R	3	S 4TH ST S	3+49	L	7	S 4TH ST S	3+49	24	L	24	S 4TH ST S	5+91 TO 6+17	L	27	S 4TH ST S	5+31 TO 6+80	L	82	S 4TH ST S	3+50 TO 7+23	L	376			
S 4TH ST S	7+00	R	16	S 4TH ST S	7+12 TO 7+17	L	3	S 4TH ST S	7+14	L	6	S 4TH ST S	7+14	17	L	10	S 4TH ST S	8+52 TO 8+74	L	47	S 4TH ST S	6+80 TO 8+35	L&R	198	S 4TH ST S	5+16 TO 5+31	R	15			
S 4TH ST S	7+01	L	16	S 4TH ST S	7+73 TO 8+55	L	45	S 4TH ST S	7+14	R	5	S 4TH ST S	7+14	18	R	10	S 4TH ST S	9+69 TO 9+85	L	14	S 4TH ST S	8+35 TO 11+25	L	160	S 4TH ST S	6+80 TO 7+21	R	43			
S 4TH ST S	11+33	R	15	S 4TH ST S	8+71 TO 9+25	L	30	S 4TH ST S	7+74	R	5	S 4TH ST S	7+74	17	R	10	S 4TH ST S	10+37 TO 10+54	L	21	S 4TH ST S	11+25 TO 11+40	L&R	17	S 4TH ST S	7+64 TO 8+35	R	72			
S 4TH ST S	11+33	L	15	S 4TH ST S	14+31 TO 14+38	R	5	S 4TH ST S	7+75	L	5	S 4TH ST S	7+75	17	L	10	S 4TH ST S	10+99 TO 11+15	L	20	S 4TH ST S	11+40 TO 14+00	L	143	S 4TH ST S	7+66 TO 14+75	L	712			
S 4TH ST S	14+54	L	15	S 4TH ST S	14+48 TO 14+71	R	13	S 4TH ST S	14+68	R	4	S 4TH ST S	14+68	20	R	10	S 4TH ST S	11+51 TO 11+69	L	22	S 4TH ST S	14+00 TO 14+76	L&R	86	S 4TH ST S	11+25 TO 11+40	R	15			
S 4TH ST S	14+54	R	16	S 4TH ST S	14+62 TO 14+72	L	3	S 4TH ST S	14+69	L	5	S 4TH ST S	14+69	19	L	10	S 4TH ST S	12+25 TO 12+45	L	29	S 4TH ST N	15+23 TO 15+95	L&R	82	S 4TH ST S	14+00 TO 14+73	R	75			
S 4TH ST N	17+68	L	15	S 4TH ST N	15+26 TO 15+60	R	19	S 4TH ST N	15+28	R	4	S 4TH ST N	15+28	20	R	10	S 4TH ST S	12+93 TO 13+13	L	24	S 4TH ST N	15+95 TO 17+60	R	91	S 4TH ST N	15+24 TO 20+41	R	520			
S 4TH ST N	17+68	R	16	S 4TH ST N	20+90 TO 25+17	R	236	S 4TH ST N	15+29	L	4	S 4TH ST N	15+29	20	L	10	S 4TH ST S	13+71 TO 13+86	L	19	S 4TH ST N	17+60 TO 17+75	L&R	17	S 4TH ST N	15+25 TO 15+95	L	71			
S 4TH ST N	20+22	R	15	S 4TH ST N	25+30 TO 25+38	R	5	EDGE LAND DR	144+17	L	7	EDGE LAND DR	144+17	19	L	10	S 4TH ST S	14+36 TO 14+50	R	18	S 4TH ST N	17+75 TO 19+90	R	118	S 4TH ST N	17+60 TO 17+75	L	15			
S 4TH ST N	20+28	L	15	S 4TH ST N	25+63 TO 27+95	R	128	EDGE LAND DR	144+18	R	7	EDGE LAND DR	144+18	18	R	10	S 4TH ST N	19+91 TO 20+20	L	29	S 4TH ST N	19+90 TO 21+36	L&R	174	S 4TH ST N	19+90 TO 21+36	L	146			
S 4TH ST N	22+87	L	15	MEADOW LN	52+74 TO 52+99	R	14	EDGE LAND DR	144+71	L	7	EDGE LAND DR	144+71	19	L	10	S 4TH ST N	20+79 TO 20+97	L	17	S 4TH ST N	21+36 TO 22+79	R	79	S 4TH ST N	20+84 TO 27+82	R	706			
S 4TH ST N	22+87	R	16	MEADOW LN	53+59 TO 53+70	R	6	EDGE LAND DR	144+72	R	6	EDGE LAND DR	144+72	19	R	10	S 4TH ST N	25+07 TO 25+68	R	71	S 4TH ST N	22+79 TO 22+94	L&R	17	S 4TH ST N	22+79 TO 22+94	L	15			
MEADOW LN	52+83	R	15	MEADOW LN	56+23 TO 56+36	R	7	EDGE LAND DR	147+77	L	7	EDGE LAND DR	147+77	19	L	10	MEADOW LN	54+69 TO 54+87	L	9	S 4TH ST N	22+94 TO 27+82	R	335	MEADOW LN	52+65 TO 53+06	L	43			
MEADOW LN	52+83	L	16	MEADOW LN	56+54 TO 56+75	R	11	EDGE LAND DR	147+78	R	7	EDGE LAND DR	147+78	19	R	10	MEADOW LN	55+47 TO 55+71	L	14	MEADOW LN	52+65 TO 53+09	L&R	51	MEADOW LN	52+65 TO 53+08	R	44			
MEADOW LN	56+26	R	16	MEADOW LN	56+85 TO 57+45	R	33	EDGE LAND DR	148+31	L	7	EDGE LAND DR	147+78	19	R	10	MEADOW LN	56+34 TO 56+57	R	20	MEADOW LN	53+48 TO 53+65	L&R	22	MEADOW LN	53+49 TO 56+66	L	320			
MEADOW LN	56+26	L	16	EDGE LAND DR	144+68 TO 145+29	L	34	EDGE LAND DR	148+31	L	7	EDGE LAND DR	148+31	19	L	10	MEADOW LN	56+72 TO 56+88	R	12	MEADOW LN	53+65 TO 56+33	L	148	MEADOW LN	53+50 TO 53+65	R	16			
EDGE LAND DR	147+63	L	16	EDGE LAND DR	145+49 TO 145+93	L	25	EDGE LAND DR	148+33	R	7	EDGE LAND DR	148+33	19	R	10	EDGE LAND DR	145+26 TO 145+52	L	67	MEADOW LN	56+33 TO 57+50	L&R	142	MEADOW LN	56+33 TO 57+50	R	117			
EDGE LAND DR	147+63	R	15	EDGE LAND DR	147+41 TO 147+81	R	22	W OLIVE ST	214+73	L	5	W OLIVE ST	214+73	20	L	10	EDGE LAND DR	145+93 TO 146+13	L	62	EDGE LAND DR	57+09 TO 57+50	L	43	MEADOW LN	57+09 TO 57+50	L	43			
EDGE LAND DR	148+44	L	16	EDGE LAND DR	147+70 TO 147+80	L	11	W OLIVE ST	214+73	R	4	W OLIVE ST	214+73	23	R	10	EDGE LAND DR	146+73 TO 146+93	L	39	EDGE LAND DR	144+62 TO 144+25	L&R	73	EDGE LAND DR	143+62 TO 144+22	L	62			
EDGE LAND DR	148+44	R	15	EDGE LAND DR	148+29 TO 148+47	L	15	COLUMBUS DR	320+88	L	6	COLUMBUS DR	320+88	20	L	10	EDGE LAND DR	146+93 TO 147+40	L	23	EDGE LAND DR	144+65 TO 145+25	L&R	69	EDGE LAND DR	143+62 TO 144+25	R	64			
W OLIVE ST	214+03	L	20	EDGE LAND DR	148+29 TO 148+47	L	15	COLUMBUS DR	320+90	R	6	COLUMBUS DR	320+90	19	R	10	COLUMBUS DR	321+90 TO 322+06	L	23	EDGE LAND DR	145+25 TO 147+40	L	118	EDGE LAND DR	143+62 TO 144+25	R	64			
W OLIVE ST	214+03	R	19	EDGE LAND DR	148+31 TO 148+36	R	3	COLUMBUS DR	328+10	R	6	COLUMBUS DR	328+10	19	R	10	COLUMBUS DR	322+18 TO 322+48	L	52	EDGE LAND DR	147+40 TO 148+47	L&R	145	EDGE LAND DR	144+66 TO 147+83	L	320			
W OLIVE ST	214+60	R	19	W OLIVE ST	214+40 TO 215+27	L	48	COLUMBUS DR	328+11	L	3	COLUMBUS DR	328+11	16	L	10	COLUMBUS DR	323+96 TO 324+60	L	78	W OLIVE ST	214+00 TO 216+00	L&R	315	EDGE LAND DR	144+67 TO 145+25	R	60			
W OLIVE ST	215+11	L	20	W OLIVE ST	215+82 TO 216+00	L	10	S 3RD ST	510+73	R	6	S 3RD ST	510+73	17	R	10	COLUMBUS DR	324+92 TO 325+26	L	52	W OLIVE ST	222+57 TO 223+87	L&R	215	EDGE LAND DR	147+40 TO 147+84	R	46			
W OLIVE ST	215+66	R	19	W OLIVE ST	222+57 TO 222+96	L	21	S 3RD ST	510+74	L	6	S 3RD ST	510+74	17	L	10	CRESTVIEW DR	729+90 TO 730+66	R	166	COLUMBUS DR	222+57 TO 223+87	L&R	215	EDGE LAND DR	148+26 TO 148+47	L	23			
W OLIVE ST	215+93	L	20	W OLIVE ST	223+45 TO 223+87	L	23	S 3RD ST	511+34	R	6	S 3RD ST	511+34	17	R	10	CRESTVIEW DR	730+66 TO 731+23	R	91	COLUMBUS DR	320+82 TO 321+41	L&R	67	EDGE LAND DR	148+27 TO 148+47	R	22			
W OLIVE ST	222+74	L	20	COLUMBUS DR	320+88 TO 321+27	R	24	S 3RD ST	511+35	L	5	S 3RD ST	511+35	17	L	10	CRESTVIEW DR	731+23 TO 731+83	R	92	COLUMBUS DR	321+41 TO 323+30	L	104	EDGE LAND DR	147+40 TO 147+84	R	46			
W OLIVE ST	222+74	R	19	COLUMBUS DR	320+91 TO 321+93	L	57	HUISMAN CIR W	626+57	R	4	HUISMAN CIR W	626+57	17	R	10	MEADOW LN	54+69 TO 54+87	L	9	COLUMBUS DR	323+30 TO 323+45	L&R	17	W OLIVE ST	214+00 TO 214+79	R	81			
W OLIVE ST	222+74	R	19	COLUMBUS DR	322+03 TO 322+21	L	10	HUISMAN CIR W	626+57	L	6	HUISMAN CIR W	626+57	17	L	10	MEADOW LN	55+47 TO 55+71	L	14	MEADOW LN	52+65 TO 53+09	L&R								

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REMOVE STORM STRUCTURE					REMOVE STORM PIPE					REMOVE PAVEMENT					REMOVE SIDEWALK					REMOVE DRIVEWAY					REMOVE AND REPLACE SIGN (APPROX. LOCATION)														
TYPE	STREET	STATION	OFFSET	SIDE	STATION TO STATION	START/END SIDE	LENGTH	STREET	SIZE	STREET	STATION TO STATION	SIDE	SQ YD.	STREET	STATION TO STATION	SIDE	SQ YD.	STREET	STATION TO STATION	SIDE	SQ YD.	STREET	STATION	OFFSET	SIDE														
CI	S 4TH ST S	14+57	17.02'	R	56+93 TO 56+96	R/L	53.59	MEADOW LN	12"	S 4TH ST S	2+65 TO 3+95	L&R	535	S 4TH ST S	2+65 TO 3+13	L	39	S 4TH ST S	3+99 TO 4+20	R	21	S 4TH ST S	2+73	22	R														
CI	S 4TH ST S	14+61	17.33'	L	148+28 TO 148+26	R/L	43.07	EDGELAND DR	12"	S 4TH ST S	3+95 TO 5+16	L	208	S 4TH ST S	3+43 TO 3+77	R	19	S 4TH ST S	4+36 TO 4+56	L	19	S 4TH ST S	2+85	22	R														
CI	S 4TH ST N	14+79	14.78'	L	147+85 TO 147+80	R/L	43.81	EDGELAND DR	12"	S 4TH ST S	5+16 TO 5+31	L&R	51	S 4TH ST S	3+45 TO 3+70	L	13	S 4TH ST S	5+44 TO 5+67	L	25	S 4TH ST S	3+66	21	L														
CI	S 4TH ST S	14+81	32.63'	L	20+77 TO 20+84	R/R	7.04	S 4TH ST N	12"	S 4TH ST S	5+31 TO 6+80	L	256	S 4TH ST S	7+10 TO 7+27	R	13	S 4TH ST S	5+91 TO 6+17	L	27	S 4TH ST S	3+90	22	R														
CI	S 4TH ST N	15+17	37.48'	R	20+48 TO 20+77	R/R	28.44	S 4TH ST N	12"	S 4TH ST S	6+80 TO 8+35	L&R	586	S 4TH ST S	7+12 TO 7+29	L	14	S 4TH ST S	8+52 TO 8+74	L	39	S 4TH ST S	4+05	20	L														
CI	S 4TH ST N	15+18	40.97'	L	15+17 TO 15+39	R/R	28.22	S 4TH ST N	12"	S 4TH ST S	8+35 TO 11+25	L	498	S 4TH ST S	7+61 TO 9+25	L	78	S 4TH ST S	9+69 TO 9+85	L	13	S 4TH ST S	5+81	21	L														
MH	S 4TH ST N	15+39	19.76'	R	15+18 TO 15+39	L/R	64.01	S 4TH ST N	12"	S 4TH ST S	11+25 TO 11+40	L&R	51	S 4TH ST S	14+31 TO 14+78	R	25	S 4TH ST S	10+37 TO 10+54	L	21	S 4TH ST S	6+10	26	R														
CI	S 4TH ST N	20+25	17.18'	R	20+26 TO 20+25	L/R	31.49	S 4TH ST N	12"	S 4TH ST S	11+40 TO 14+00	L	446	S 4TH ST S	14+62 TO 14+80	L	12	S 4TH ST S	10+99 TO 11+15	L	20	S 4TH ST S	6+63	21	L														
CI	S 4TH ST N	20+26	14.31'	L	14+81 TO 14+61	L/L	25.73	S 4TH ST S	12"	S 4TH ST S	14+00 TO 14+75	L&R	263	S 4TH ST N	15+27 TO 15+60	R	27	S 4TH ST S	11+51 TO 11+69	L	22	S 4TH ST S	7+04	20	R														
CI	S 4TH ST N	20+48	38.07'	R	326+44 TO 326+38	L/R	52.57	COLUMBUS DR	12"	S 4TH ST N	15+25 TO 15+95	L&R	245	S 4TH ST N	20+90 TO 27+95	R	391	S 4TH ST S	12+25 TO 12+45	L	29	S 4TH ST S	7+85	21	L														
CI	S 4TH ST N	20+77	37.83'	R	326+10 TO 326+44	L/L	33.59	COLUMBUS DR	12"	S 4TH ST N	15+95 TO 17+60	R	283	MEADOW LN	53+47 TO 53+70	R	12	S 4TH ST S	12+93 TO 13+13	L	25	S 4TH ST S	12+93 TO 13+13	L	25														
MH	S 4TH ST N	20+84	31.14'	R	728+75 TO 728+61	R/R	25.97	CRESTVIEW DR	12"	S 4TH ST N	17+60 TO 17+75	L&R	52	MEADOW LN	56+23 TO 57+45	R	53	S 4TH ST S	13+71 TO 13+86	L	18	S 4TH ST S	8+61	22	R														
MH	S 4TH ST N	21+02	19.17'	R	728+72 TO 728+75	L/R	28.42	CRESTVIEW DR	12"	S 4TH ST N	17+75 TO 19+90	R	369	EDGELAND DR	144+60 TO 146+13	L	75	S 4TH ST S	14+36 TO 14+50	R	14	S 4TH ST S	8+92	20	L														
MH	S 4TH ST N	25+00	20.30'	R	728+51 TO 728+72	L/L	32.42	CRESTVIEW DR	12"	S 4TH ST N	19+90 TO 21+36	L&R	523	EDGELAND DR	147+41 TO 147+89	R	28	S 4TH ST N	19+91 TO 20+21	L	30	S 4TH ST S	12+65	23	R														
CI	MEADOW LN	56+93	16.94'	R	14+61 TO 14+77	L/R	57.83	S 4TH ST S	15"	S 4TH ST N	21+36 TO 22+79	R	248	EDGELAND DR	147+70 TO 147+88	L	21	S 4TH ST N	20+79 TO 20+97	L	17	S 4TH ST S	13+83	20	R														
CI	EDGELAND DR	147+80	20.18'	L	734+26 TO 733+89	L/L	36.60	CRESTVIEW DR	15"	S 4TH ST N	22+79 TO 22+94	L&R	53	EDGELAND DR	148+20 TO 148+47	L	24	S 4TH ST N	25+08 TO 25+67	R	49	S 4TH ST S	14+32	20	L														
CI	EDGELAND DR	147+85	23.36'	R	734+26 TO 733+89	L/L	36.60	CRESTVIEW DR	15"	S 4TH ST N	22+94 TO 27+82	R	1023	EDGELAND DR	148+21 TO 148+36	R	13	MEADOW LN	54+69 TO 54+86	L	8	S 4TH ST S	14+63	21	R														
CI	EDGELAND DR	148+26	21.80'	L	734+42 TO 734+26	L/L	18.07	CRESTVIEW DR	15"	MEADOW LN	52+65 TO 53+06	L&R	145	W OLIVE ST	214+40 TO 215+36	L	49	MEADOW LN	55+48 TO 55+71	L	14	S 4TH ST N	15+40	22	L														
CI	EDGELAND DR	148+28	21.20'	R	734+25 TO 733+89	R/R	36.18	CRESTVIEW DR	15"	MEADOW LN	53+52 TO 53+65	L&R	48	W OLIVE ST	222+57 TO 223+03	L	20	MEADOW LN	56+36 TO 56+58	R	12	S 4TH ST N	17+68	22	R														
CI	COLUMBUS DR	326+10	38.24'	L	734+52 TO 734+25	R/R	31.31	CRESTVIEW DR	15"	MEADOW LN	53+65 TO 56+20	L	439	W OLIVE ST	223+36 TO 223+87	L	22	MEADOW LN	56+73 TO 56+86	R	7	S 4TH ST N	18+15	18	L														
CI	COLUMBUS DR	326+38	14.06'	R	14+57 TO 14+77	R/R	29.17	S 4TH ST S	18"	EDGELAND DR	56+20 TO 57+50	L&R	486	COLUMBUS DR	320+88 TO 321+27	R	28	EDGELAND DR	145+26 TO 145+52	L	58	S 4TH ST N	22+21	18	R														
CI	COLUMBUS DR	326+44	38.13'	L	15+39 TO 20+25	R/R	486.85	S 4TH ST N	24"	EDGELAND DR	143+62 TO 144+26	L&R	227	COLUMBUS DR	320+91 TO 325+36	L	251	EDGELAND DR	145+99 TO 146+14	L	40	S 4TH ST N	23+75	32	R														
MH	CRESTVIEW DR	728+16	37.57'	R	14+79 TO 15+39	L/R	69.20	S 4TH ST N	24"	EDGELAND DR	144+65 TO 145+25	L&R	212	CRESTVIEW DR	728+65 TO 730+10	R	74	EDGELAND DR	146+76 TO 146+91	L	23	S 4TH ST N	24+69	32	R														
CI	CRESTVIEW DR	728+51	39.02'	L	733+89 TO 733+55	L/R	77.67	CRESTVIEW DR	24"	EDGELAND DR	145+25 TO 147+40	L	370					COLUMBUS DR	321+90 TO 322+06	L	17	S 4TH ST N	25+95	20	R														
MH	CRESTVIEW DR	728+61	35.68'	R	20+25 TO 20+84	R/R	60.31	S 4TH ST N	30"	EDGELAND DR	147+40 TO 148+47	L&R	468					COLUMBUS DR	322+17 TO 322+49	L	38	S 4TH ST N	26+08	21	L														
CI	CRESTVIEW DR	728+72	13.99'	L	729+06 TO 728+61	R/R	44.90	CRESTVIEW DR	36"	W OLIVE ST	214+00 TO 216+00	L&R	934					COLUMBUS DR	323+96 TO 324+60	L	71	S 4TH ST N	27+83	19	L														
CI	CRESTVIEW DR	728+75	14.23'	R	728+61 TO 728+16	R/R	44.57	CRESTVIEW DR	36"	W OLIVE ST	222+57 TO 223+87	L&R	633					COLUMBUS DR	324+93 TO 325+25	L	38	S 4TH ST N	27+91	19	R														
MH	CRESTVIEW DR	733+55	31.88'	R	733+55 TO 729+34	R/R	421.29	CRESTVIEW DR	36"	COLUMBUS DR	320+82 TO 321+41	L&R	212					CRESTVIEW DR	730+10 TO 730+58	R	154	MEADOW LN	52+90	18	R														
CI	CRESTVIEW DR	733+89	37.74'	R	733+89 TO 733+89	R/R	34.40	CRESTVIEW DR	36"	COLUMBUS DR	321+41 TO 323+30	L	325					CRESTVIEW DR	730+67 TO 731+20	R	94	MEADOW LN	53+64	24	L														
CI	CRESTVIEW DR	733+89	37.80'	L	25+00 TO 27+87	R/R	286.75	S 4TH ST N	40"	COLUMBUS DR	323+30 TO 323+45	L&R	52									MEADOW LN	54+34	23	L														
CI	CRESTVIEW DR	734+25	37.58'	R	21+02 TO 25+00	R/R	397.66	S 4TH ST N	40"	COLUMBUS DR	323+45 TO 325+94	L	428									MEADOW LN	54+42	18	R														
CI	CRESTVIEW DR	734+26	38.09'	L	20+84 TO 21+02	R/R	21.72	S 4TH ST N	40"	COLUMBUS DR	325+94 TO 326+60	L&R	274									MEADOW LN	55+15	23	R														
CI	CRESTVIEW DR	734+52	21.78'	R	327+99 TO 320+94	L/L	705.62	COLUMBUS DR	40"	COLUMBUS DR	326+60 TO 327+40	L	138									MEADOW LN	55+31	24	L														
										COLUMBUS DR	327+40 TO 328+24	L&R	297									MEADOW LN	56+23	27	R														
										COLUMBUS DR	328+24 TO 329+00	R	159									MEADOW LN	56+24	23	L														
										S 3RD ST	507+10 TO 507+24	L&R	51									EDGELAND DR	144+07	20	R														
										S 3RD ST	510+60 TO 510+77	L&R	62									EDGELAND DR	144+80	23	L														
										S 3RD ST	511+27 TO 511+50	L&R	81									EDGELAND DR	145+56	21	R														
										HUISMAN CIR W	626+52 TO 627+10	L&R	202									EDGELAND DR	147+00	22	L														
										CRESTVIEW DR	728+59 TO 728+85	L&R	93									EDGELAND DR	147+38	23	R														
										CRESTVIEW DR	733+40 TO 733+80	L&R	177									W OLIVE ST	214+14	23	L														
										CRESTVIEW DR	734+32 TO 734+66	L&R	114									W OLIVE ST	214+63	22	R														
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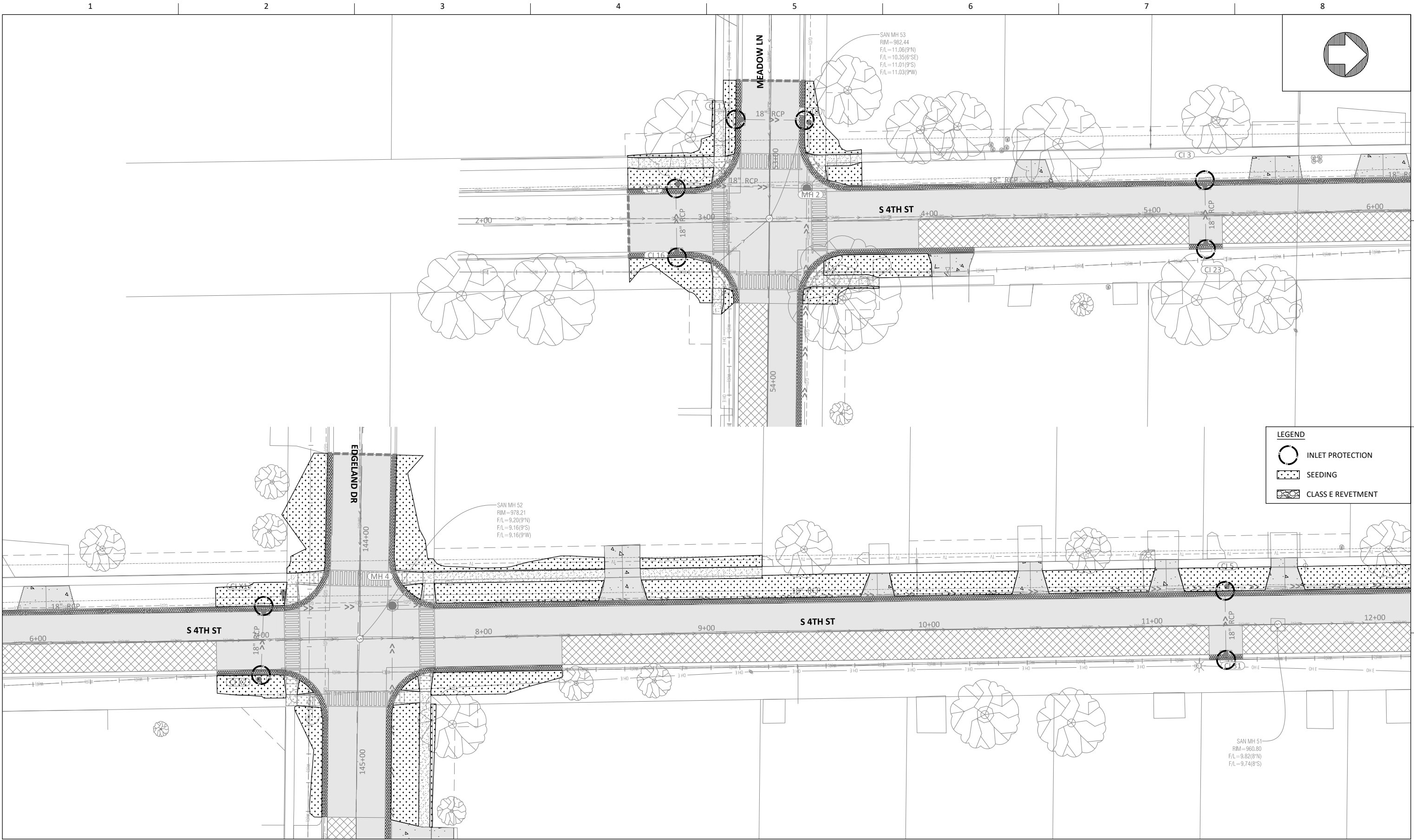
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POLLUTION PREVENTION PLAN This project is regulated by the requirements of the Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) General Permit No. 2 OR an Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) individual storm water permit. The Contractor shall carry out the terms and conditions of this permit and the Pollution Prevention Plan (PPP). This Base PPP includes information on Roles and Responsibilities, Project Site Description, Controls, Maintenance Procedures, Inspection Requirements, Non-Storm Water Controls, Potential Sources of Off Right-of-Way Pollution, and Definitions. This plan references other documents rather than repeating the information contained in the documents. A copy of this Base Pollution Prevention Plan, amended as needed per plan revisions or by contract modification, will be readily available for review. All contractors shall conduct their operations in a manner that controls pollutants, minimizes erosion, and prevents sediments from entering waters of the state and leaving the highway right-of-way. The prime contractor shall be responsible for compliance and implementation of the PPP for their entire contract. This responsibility shall be further shared with subcontractors whose work is a source of potential pollution as defined in this PPP. I. ROLES AND RESPONSIBILITIES A. Designer: 1. Prepares Base PPP included in the project plan. 2. Prepares Notice of Intent (NOI) submitted to Iowa DNR. 3. Is signature authority on the Base PPP. B. Contractor: 1. Signs a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP. All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP. 2. Designates a Water Pollution Control Manager (WPCM), who has the duties and responsibilities to insure compliance with the administrative provisions of the NPDES Permit, including record keeping, documentation, updating SWPPP, filing the notice of discontinuation. 3. Submits an Erosion Control Implementation Plan (ECIP) and ECIP updates. Refer to III.A below for content. 4. Installs and maintains appropriate controls. This work may be subcontracted. 5. Supervises and implements good housekeeping practices. 6. Conducts joint required inspections of the site with inspection staff. When Contractor is not mobilized on site, Contractor may delegate this responsibility to a trained or certified subcontractor. Contracting Authority also may waive joint inspection requirement during winter shutdown. In both circumstances, WPCM (or trained or certified delegate from the Contractor) is still responsible to review and sign inspection reports. C. Subcontractors: 1. Sign a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP if responsible for sediment or erosion controls or involved in land disturbing activities. All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP. 2. Implement good housekeeping practices. D. Project Engineer: 1. Is Project Storm Water Manager. 2. Takes actions necessary to ensure compliance with storm water requirements including, where appropriate, issuing stop work orders, and directing additional inspections at construction project sites that are experiencing problems with achieving permit compliance. 3. Orders the taking of measures to cease, correct, prevent, or minimize the consequences of non-compliance with the storm water requirements of the Applicable Permit. 4. Supervises all work necessary to meet storm water requirements at the Project, including work performed by contractors and subcontractors. 5. Requires employees, contractors, and subcontractors to take appropriate responsive action to comply with storm water requirements, including requiring any such person to cease or correct a violation of storm water requirements, and to order or recommend such other actions as necessary to meet storm water requirements. 6. Is familiar with the Project PPP and storm water site map. 7. Is the point of contact for the Project for regulatory officials, Inspector, contractors, and subcontractors regarding storm water requirements. 8. Is signature authority on Notice of Discontinuation. E. Inspector: 1. Updates PPP whenever there is a change in design, construction, operation, or maintenance which has a significant effect on the discharge of pollutants from the project. 2. Maintains an up-to-date record that identifies contractors and subcontractors as co-permittees. 3. Makes these plans available to the DNR upon their request. 4. Conducts joint required inspections of the site with the contractor/subcontractor. 5. Completes an inspection report after each inspection. 6. Is signature authority on storm water inspection reports. II. PROJECT SITE DESCRIPTION A. This Pollution Prevention Plan (PPP) is for the drainage enhancements in Marshalltown along 4th Street. B. This PPP covers approximately 8.5 acres with an estimated 4.7 acres being disturbed. The portion of the PPP covered by this contract has 4.7 acres disturbed. C. The PPP is located in an area of Tama-Muscatine-Downs soil association. The estimated weighted average runoff coefficient number for this PPP after completion will be 0.61. D. Storm Water Site Map - Multiple sources of information comprise the base storm water site map including: 1. Proposed Slopes - Cross Sections. 2. Location of Structural Controls - Tabulations in C sheets. 3. Locations of Non-structural Controls - Tabulations in C sheets. 4. Locations of Stabilization Practices - Tabulations in C sheets. 5. Surface Waters (including wetlands) - Project Location Map and Plan and Profile sheets. E. The base storm water site map is amended by contract modifications and progress payments (fieldbook entries) of completed erosion control work. Also, due to project phasing, erosion and sediment controls shown on project plans may not be installed until needed, based on site conditions. Installed locations may also be modified from tabulation locations by field staff. Installed locations will be documented by fieldbook entries. F. Runoff from this work will flow into storm sewer system, then Linn Creek, then Iowa River.				III. CONTROLS A. The Contractor’s ECIP for accomplishment of storm water controls should clearly describe the intended sequence of major activities, and for each activity define the control measure and the timing during the construction process that the measure will be implemented. B. Preserve vegetation in areas not needed for construction. C. SUDAS defines requirements to implement erosion and sediment control measures. Actual quantities used and installed locations may vary from the Base PPP and amendment of the plan will be documented via fieldbook entries or by contract modification. Additional erosion and sediment control items may be required as determined by the inspector and/or contractor during storm water monitoring inspections. If the work involved is not applicable to any contract items, the work will be paid for according to SUDAS Division 1 Specifications, Section 1020. 1. EROSION AND SEDIMENT CONTROLS a. Stabilization Practices 1) Site plans will ensure that existing vegetation or natural buffers are preserved where attainable and disturbed portions of the site will be stabilized. 2) Initialize stabilization of disturbed areas immediately after clearing, grading, excavating, or other earth disturbing activities have: a) Permanently ceased on any portion of the site, or b) Temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days. 3) Staged permanent and/or temporary stabilizing seeding and mulching shall be completed as the disturbed areas are completed. Incomplete areas shall be stabilized according to paragraph III, C, 1, a, 2, b above. 4) Permanent and Temporary Stabilization practices to be used for this project are located in the Estimated Project Quantities Tab and Estimate Reference Information Tab located in the C sheets. Typical drawings detailing construction of the practices to be used on this project are referenced in the Specified detail sheets and Standard Road Plans. 5) Preservation of existing vegetation within right-of-way or easements will act as vegetative buffer strips. 6) Preservation of topsoil: Bid items to be used for this project are located in the Estimated Project Quantities and Estimate Reference Information located in the C sheets. Additional information may be found in Bid Tabulations and Estimate Reference Information. b. Structural Practices 1) Structural practices will be implemented to divert flows from exposed soils and detain or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Additionally, structural practices may include: silt basins that provide 3600 cubic feet of storage per acre drained or equivalent sediment controls, outlet structures that withdraw water from surface when discharging basins, and controls to direct storm water to vegetated areas. 2) Structural practices to be used for this project are located in the Estimated Project Quantities and Estimate Reference Information located in the C sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the devices to be used on this project can be found in specified detail sheets or the Standard Road Plans Tabulation. c. Storm Water Management 1) Measures shall be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. This may include velocity dissipation devices at discharge locations and along length of outfall channel as necessary to provide a non-erosion velocity flow from structure to water course. If included with this project, these items are located in the Estimated Project Quantities and Estimate Reference Information located in the C sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the practices to be used on this project are referenced in the Detail Sheets and Standard Road Plans in the C sheets. The installation of these devices may be subject to Section 404 of the Clean Water Act. 2. OTHER CONTROLS a. Contractor disposal of unused construction materials and construction material wastes shall comply with applicable state and local waste disposal, sanitary sewer, or septic system regulations. In the event of a conflict with other governmental laws, rules and regulations, the more restrictive applicable laws, rules or regulations shall apply. 1) Vehicle Entrances and Exits - Construct and maintain entrances and exits to prevent tracking of sediments onto roadways. 2) Material Delivery, Storage and Use - Implement practices to prevent discharge of construction materials during delivery, storage, and use. 3) Stockpile Management - Install controls to reduce or eliminate pollution of storm water from stockpiles of soil and paving. 4) Waste Disposal - Do not discharge any materials, including building materials, into waters of the state, except as authorized by a Section 404 permit. 5) Spill Prevention and Control - Implement chemical spill and leak prevention and response procedures to contain and clean-up spills and prevent material discharges to the storm drain system and waters of the state. 6) Concrete Residuals and Washout Wastes - Waste shall not be discharged to a surface water and is not allowed to adversely affect a water of the state. Designate temporary concrete washout facilities for rinsing out concrete trucks. Provide directions to truck drivers where designated washout facilities are located. Designated washout areas should be located at least 50 feet away from storm drains, streams or other water bodies. Care should be taken to ensure these facilities do not overflow during storm events. 7) Concrete Grooving/Grinding Slurry - Do not discharge slurry to a waterbody or storm drain. Slurry may be applied on foreslopes or removed from the project. 8) Vehicle and Equipment Storage and Maintenance Areas - Perform on site fueling and maintenance in accordance with all environment laws such as proper storage of onsite fuels and proper disposal of used engine oil or other fluids on site. Employ washing practices that prevent contamination of surface and ground water from wash water. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge. 9) Litter Management - Ensure employees properly dispose of litter. Minimize exposure of trash if exposure to precipitation or storm water would result in a discharge of pollutants. 10) Dewatering - Properly treat water to remove suspended sediment before it re-enters a waterbody or discharges off-site. Measures are also to be taken to prevent scour erosion at dewatering discharge point. 3. APPROVED STATE OR LOCAL PLANS During the course of this construction, it is possible that situations will arise where unknown materials will be encountered. When such situations are encountered, they will be handled according to all federal, state, and local regulations in effect at the time.				IV. MAINTENANCE PROCEDURES The Contractor is required to maintain all temporary erosion and sediment control measures in proper working order, including cleaning, repairing, or replacing them throughout the contract period. This shall begin when the features have lost 50% of their capacity.			



ISSUE	DATE	DESCRIPTION	PROJECT NUMBER

1	2	3	4	5	6	7	8	
V. INSPECTION REQUIREMENTS A. Inspections shall be made jointly by the Contractor and the Contracting Authority at least once every seven calendar days. Storm water monitoring inspections will include: 1. Date of the inspection. 2. Summary of the scope of the inspection. 3. Name and qualifications of the personnel making the inspection. 5. Review of erosion and sediment control measures within disturbed areas for the effectiveness in preventing impacts to receiving waters. 6. Major observations related to the implementation of the PPP. 7. Identification of corrective actions required to maintain or modify erosion and sediment control measures. B. Include storm water monitoring inspection reports in the Amended PPP. Incorporate any additional erosion and sediment control measures determined as a result of the inspection. Immediately begin corrective actions on all deficiencies found within 3 calendar days of the inspection and complete within 7 calendar days following the inspection. If it is determined that making the corrections less than 72 hours after the inspection is impracticable, it should be documented why it is impracticable and indicate an estimated date by which the corrections will be made. VI. NON-STORM WATER DISCHARGES This includes subsurface drains (i.e. longitudinal and standard subdrains) and slope drains. The velocity of the discharge from these features may be controlled by the use of headwalls or blocks, Class A stone, erosion stone or other appropriate materials. This also includes uncontaminated groundwater from dewatering operations, which will be controlled as discussed in Section III of the PPP. VII. POTENTIAL SOURCES OF OFF RIGHT-OF-WAY (ROW) POLLUTION Silts, sediment, and other forms of pollution may be transported onto highway right-of-way (ROW) as a result of a storm event. Potential sources of pollution located outside highway ROW are beyond the control of this PPP. Pollution within highway ROW will be conveyed and controlled per this PPP. VIII. DEFINITIONS A. Base PPP - Initial Pollution Prevention Plan. B. Amended PPP - May include Plan Revisions or Contract Modifications for new items, storm water monitoring inspection reports, and fieldbook entries made by the inspector. C. IDR - Inspector's Daily Report - this contains the inspector's daily diary and bid item postings. D. Controls - Methods, practices, or measures to minimize or prevent erosion, control sedimentation, control storm water, or minimize contaminants from other types of waste or materials. Also called Best Management Practices (BMPs). E. Signature Authority - Representative authorized to sign various storm water documents. ----- CERTIFICATION STATEMENT I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signature Printed or Typed Name Signature								D
								C
								B
								A

ISSUE	DATE	DESCRIPTION	PROJECT NUMBER



MARSHALLTOWN
IOWA

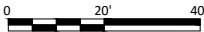


ISSUE	DATE	DESCRIPTION

PROJECT NUMBER

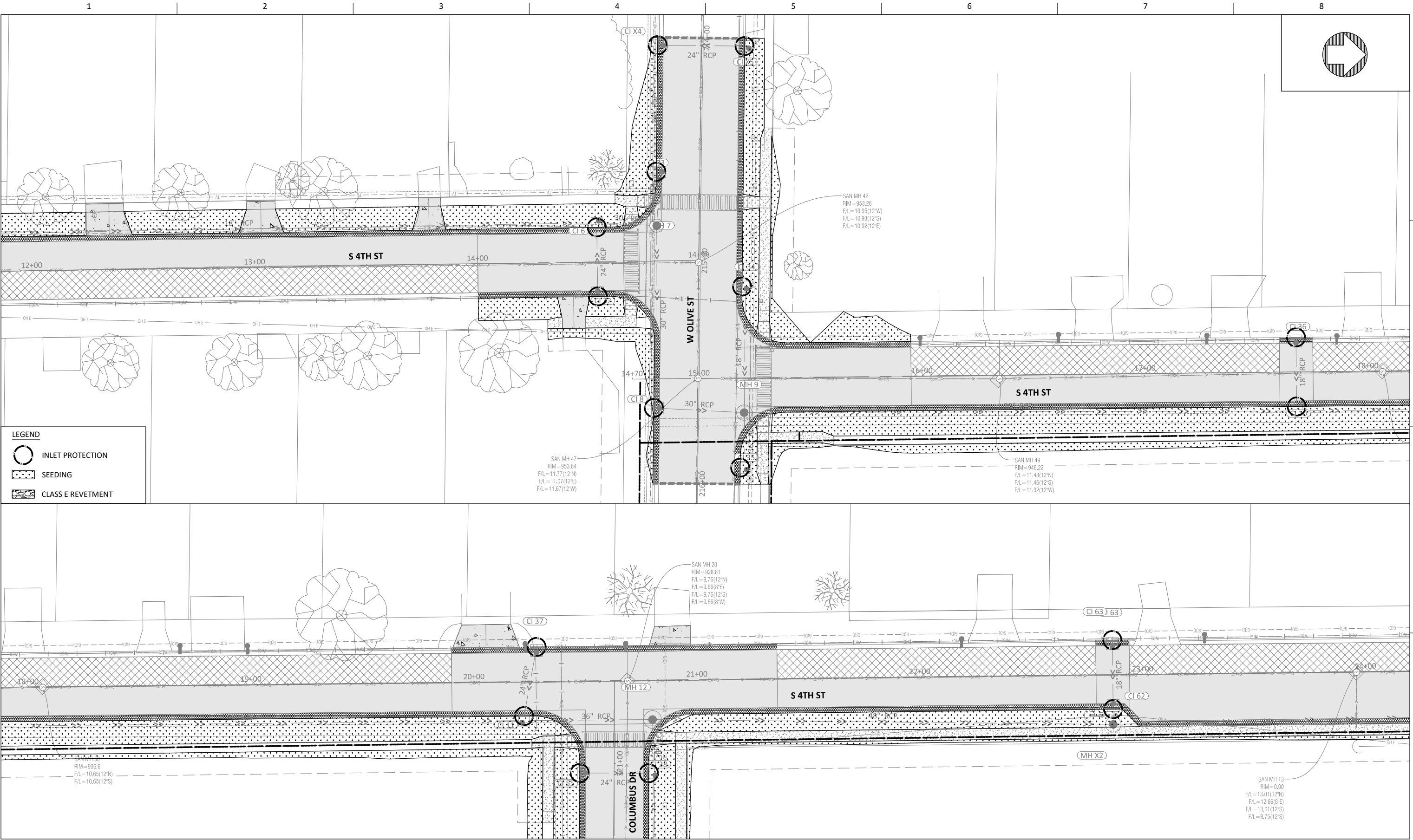
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

EROSION CONTROL PLAN
S 4TH ST



FILENAME | CE.1.DWG
SCALE | 1" = 20'

SHEET
CE.1



MARSHALLTOWN
IOWA

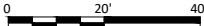


ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	

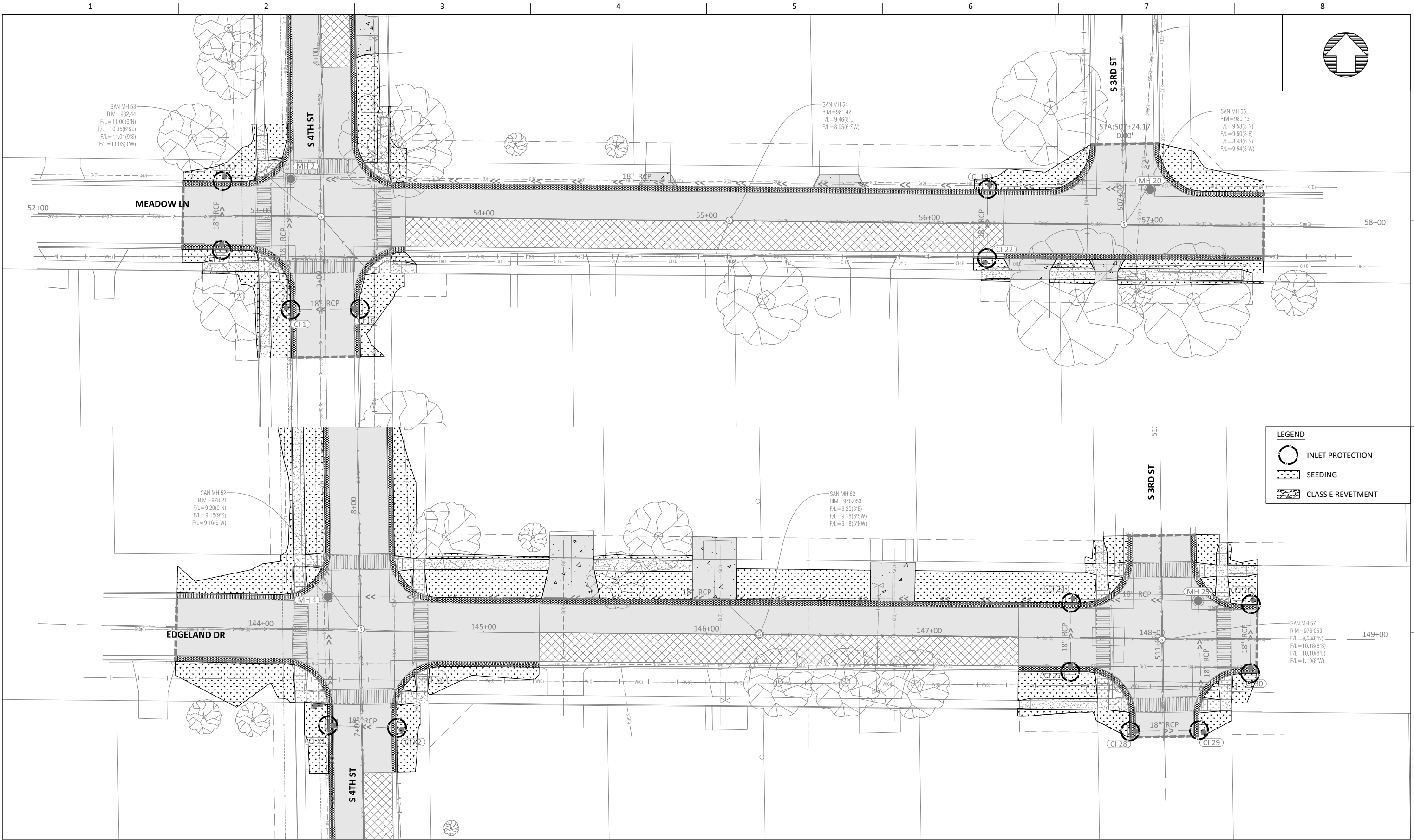
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

EROSION CONTROL PLAN
S 4TH ST



FILENAME | CE.1.DWG
SCALE | 1" = 20'

SHEET
CE.2



LEGEND

- INLET PROTECTION
- SEEDING
- CLASS E REVETMENT

MARSHALLTOWN
IOWA

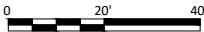


ISSUE	DATE	DESCRIPTION

PROJECT NUMBER

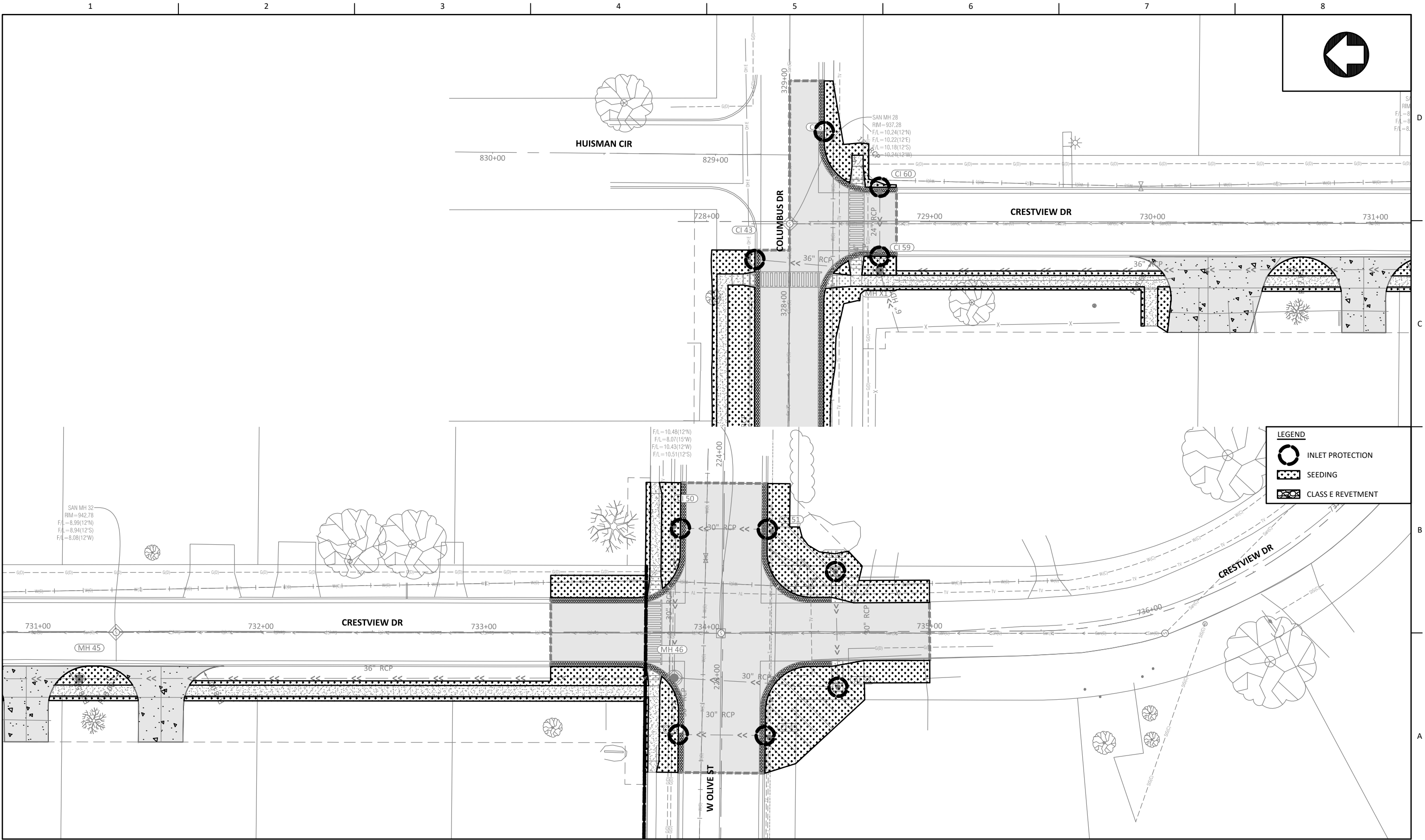
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

EROSION CONTROL PLAN
MEADOW LN / EDGELAND DR



FILENAME | CE.1.DWG
SCALE | 1" = 20'

SHEET
CE.4



MARSHALLTOWN
IOWA

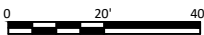


ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	

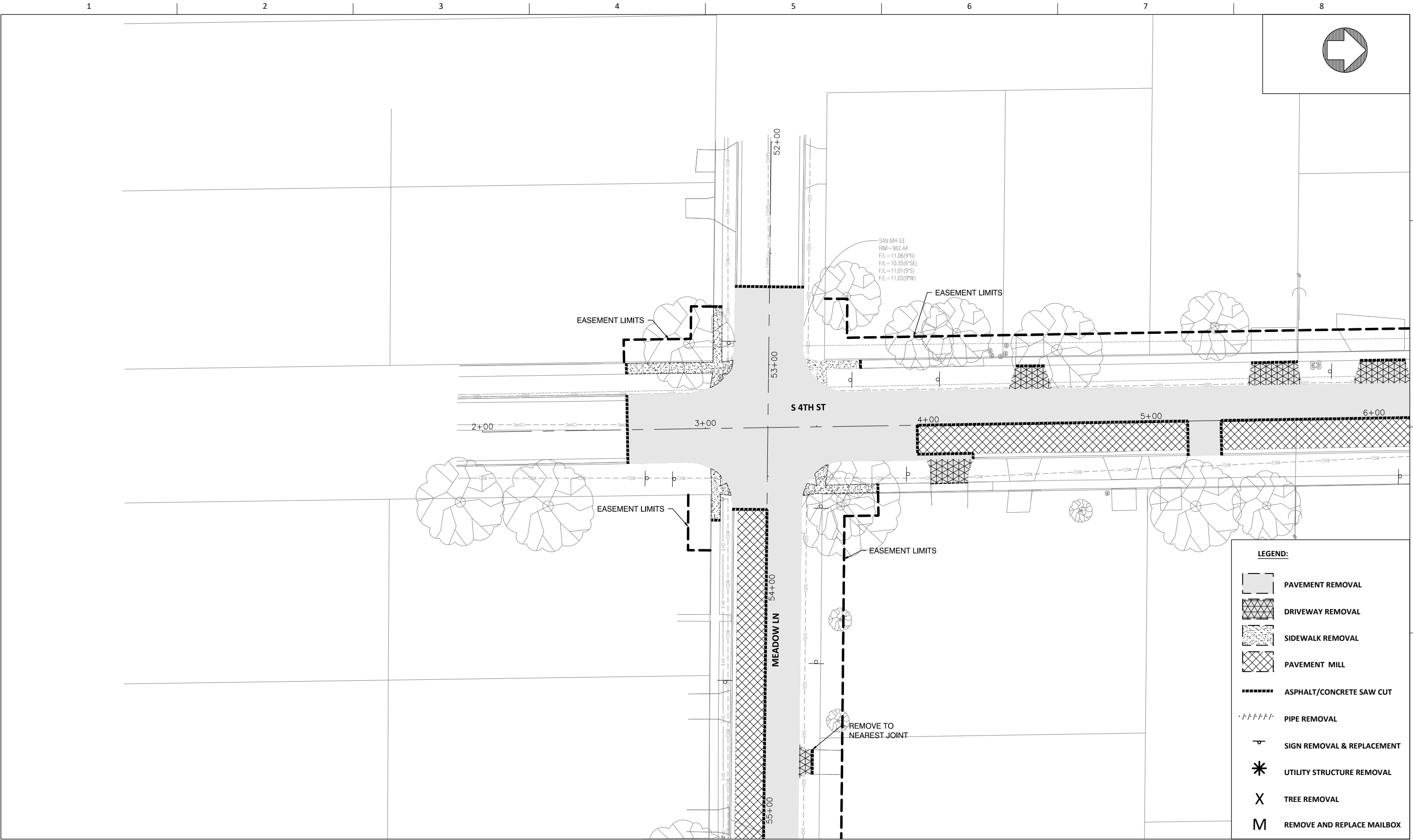
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

EROSION CONTROL PLAN
CRESTVIEW DR



FILENAME | CE.1.DWG
SCALE | 1" = 20'

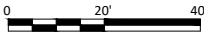
SHEET
CE.6



ISSUE	DATE	DESCRIPTION

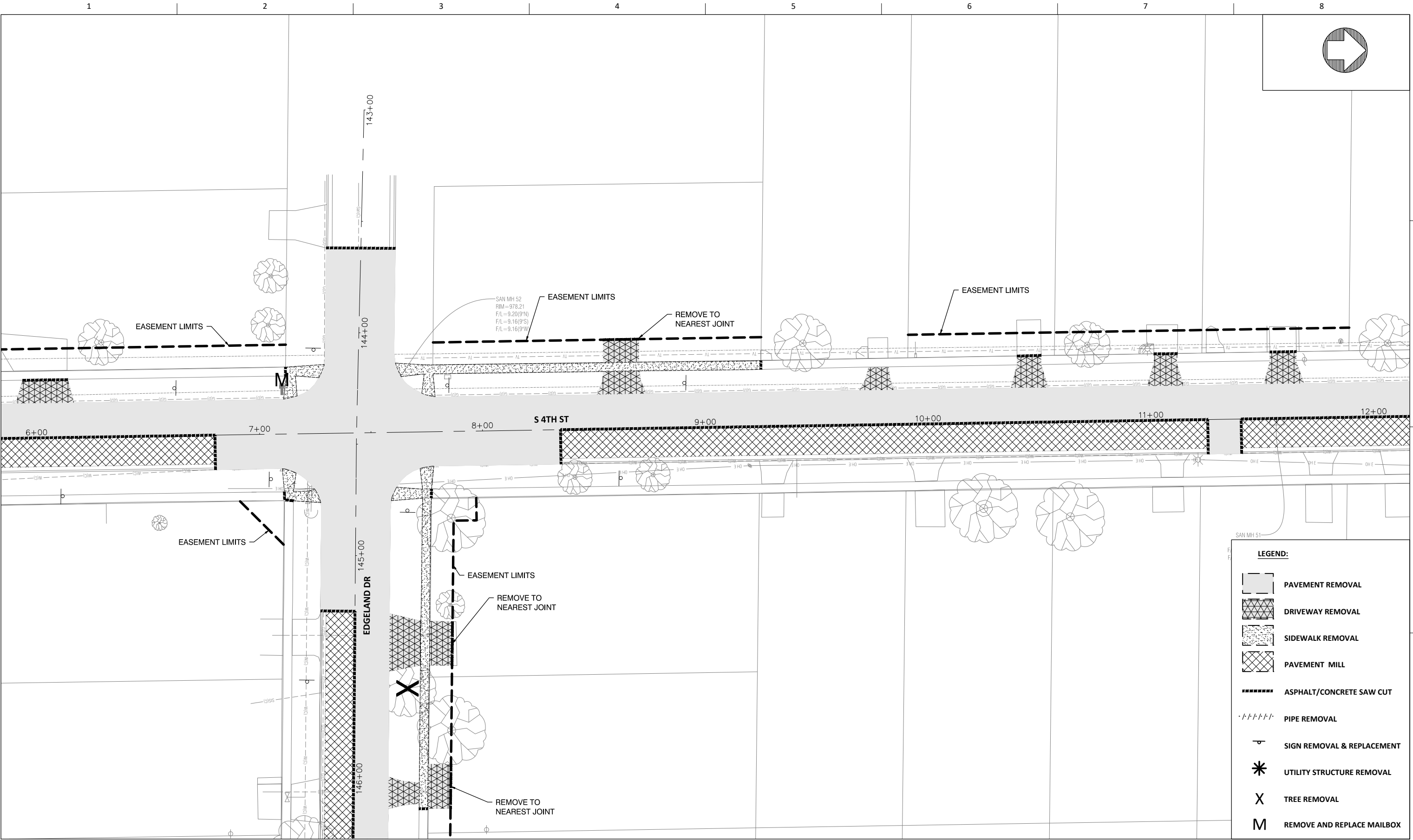
PROJECT NUMBER	

4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS



REMOVALS
S 4TH ST

FILENAME	CR.1.DWG
SCALE	1" = 20'

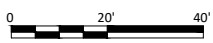


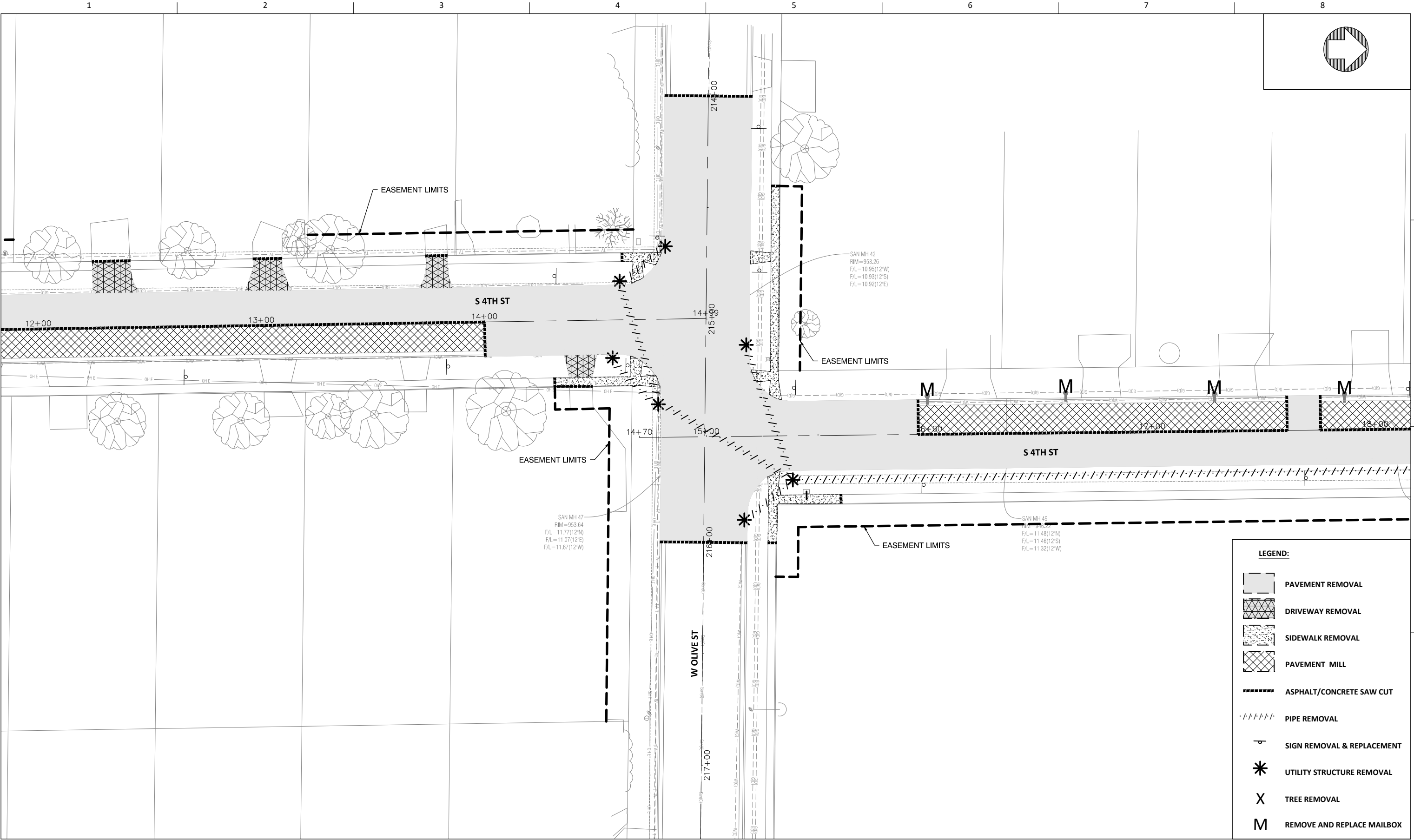
LEGEND:

- PAVEMENT REMOVAL
- DRIVEWAY REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT MILL
- ASPHALT/CONCRETE SAW CUT
- PIPE REMOVAL
- SIGN REMOVAL & REPLACEMENT
- UTILITY STRUCTURE REMOVAL
- TREE REMOVAL
- REMOVE AND REPLACE MAILBOX

ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	

4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS





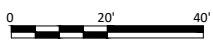
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- DRIVEWAY REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT MILL
- ASPHALT/CONCRETE SAW CUT
- PIPE REMOVAL
- SIGN REMOVAL & REPLACEMENT
- UTILITY STRUCTURE REMOVAL
- TREE REMOVAL
- REMOVE AND REPLACE MAILBOX



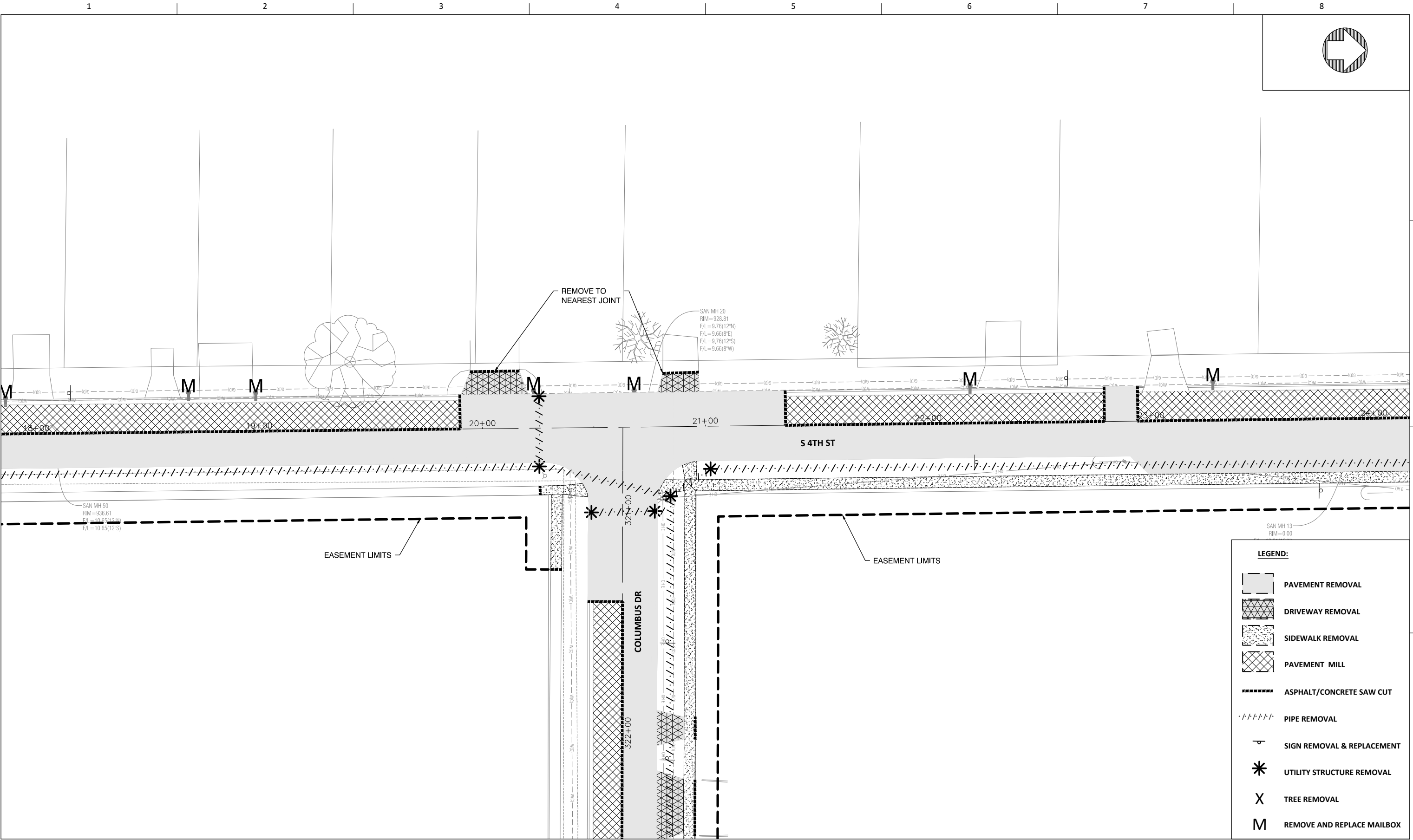
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	

4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS



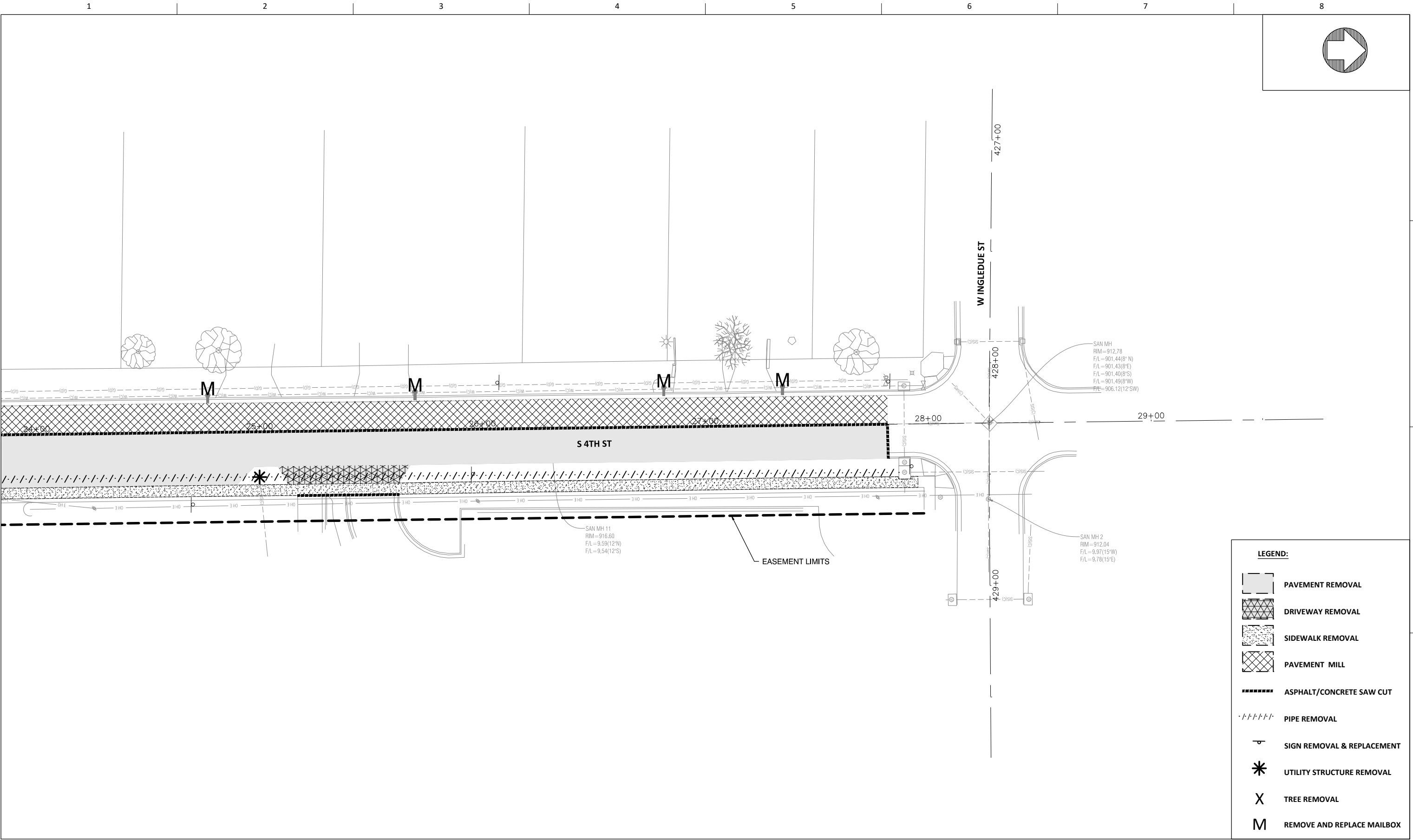
**REMOVALS
S 4TH ST**

FILENAME	CR.1.DWG	SHEET
SCALE	1" = 20'	CR.3



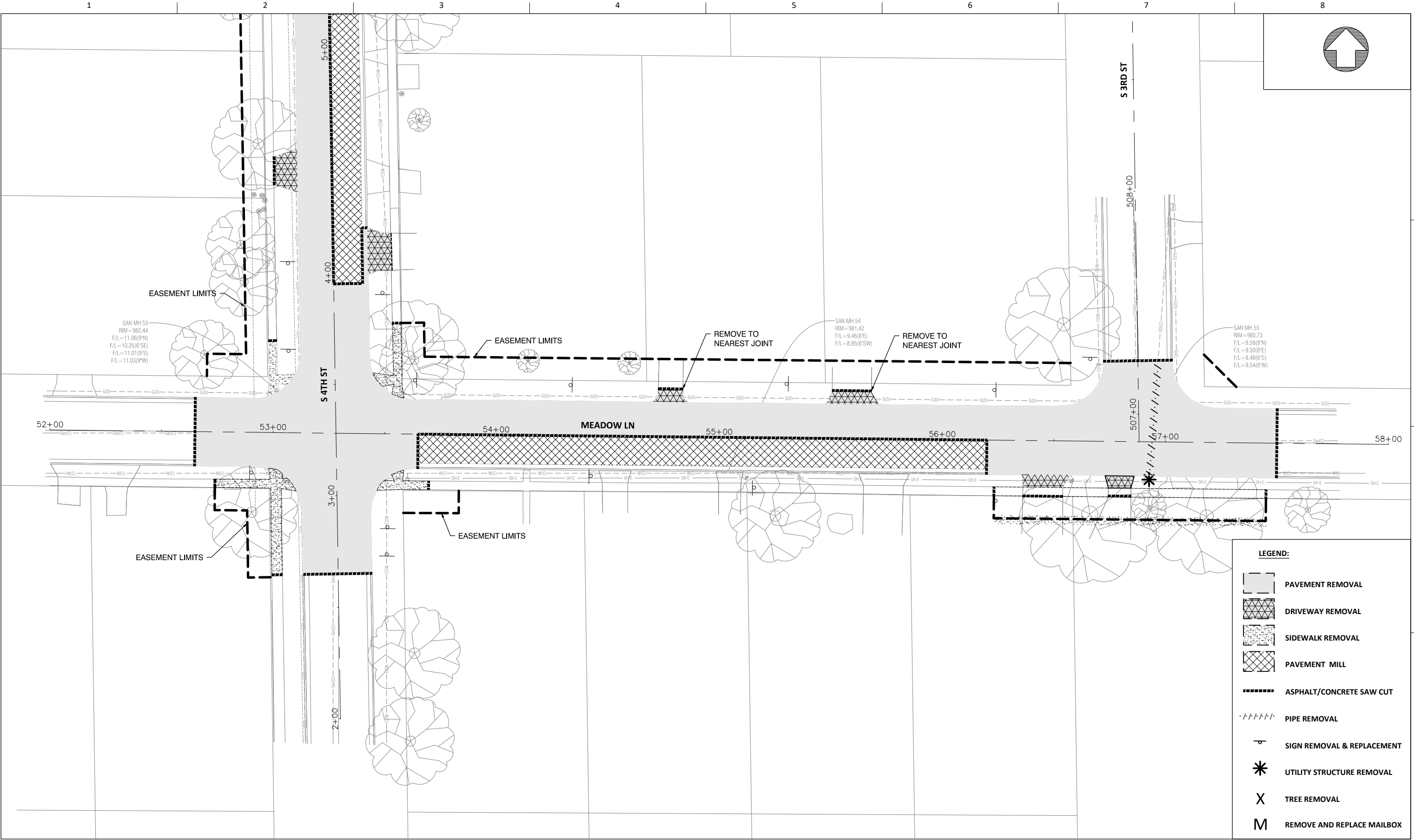
ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	



ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	



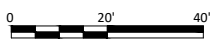
LEGEND:

- PAVEMENT REMOVAL
- DRIVEWAY REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT MILL
- ASPHALT/CONCRETE SAW CUT
- PIPE REMOVAL
- SIGN REMOVAL & REPLACEMENT
- UTILITY STRUCTURE REMOVAL
- TREE REMOVAL
- REMOVE AND REPLACE MAILBOX



ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	

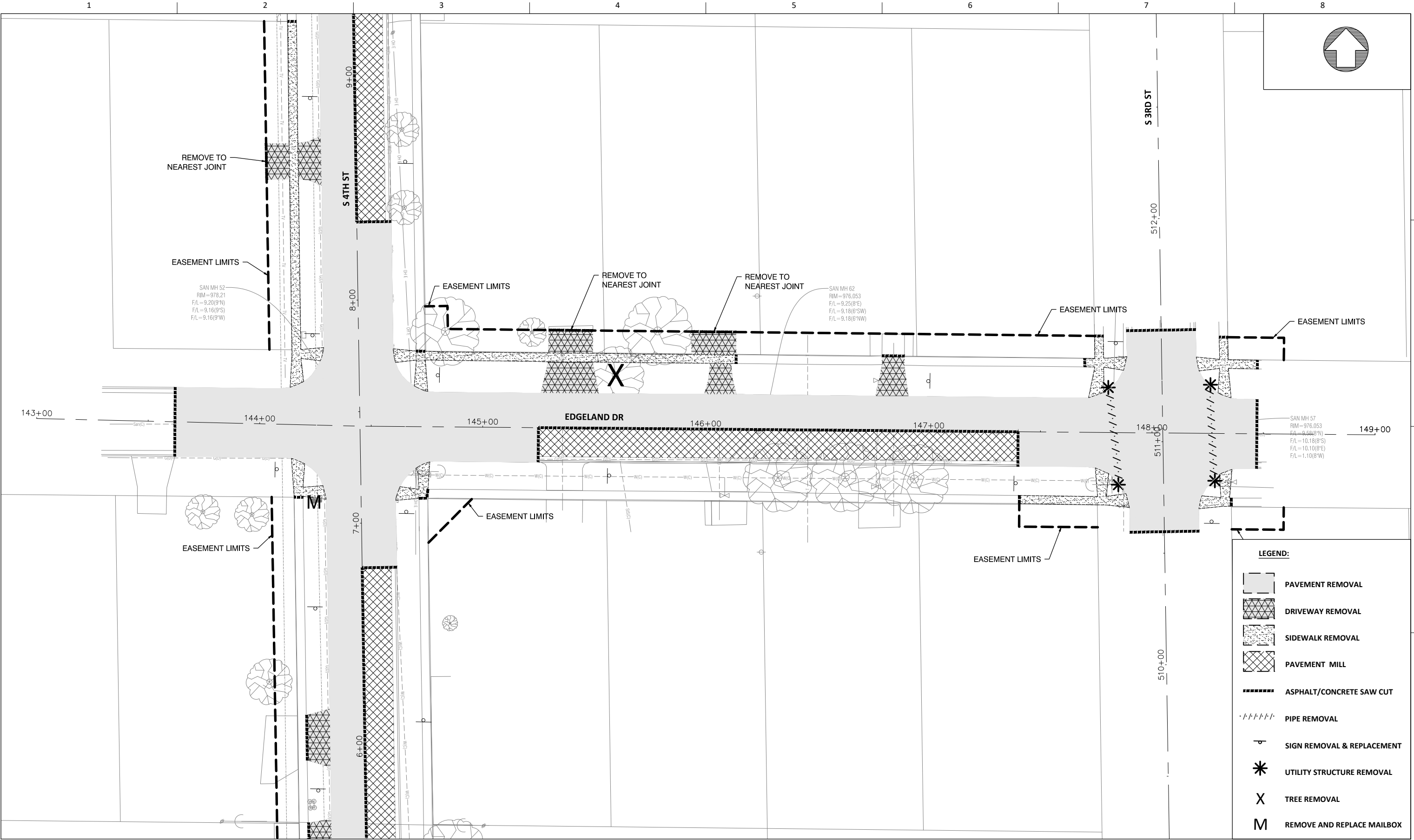
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS



REMOVALS
MEADOW LN

FILENAME | CR.1.DWG
SCALE | 1" = 20'

SHEET
CR.6



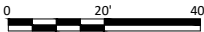
MARSHALLTOWN
IOWA



ISSUE	DATE	DESCRIPTION

PROJECT NUMBER

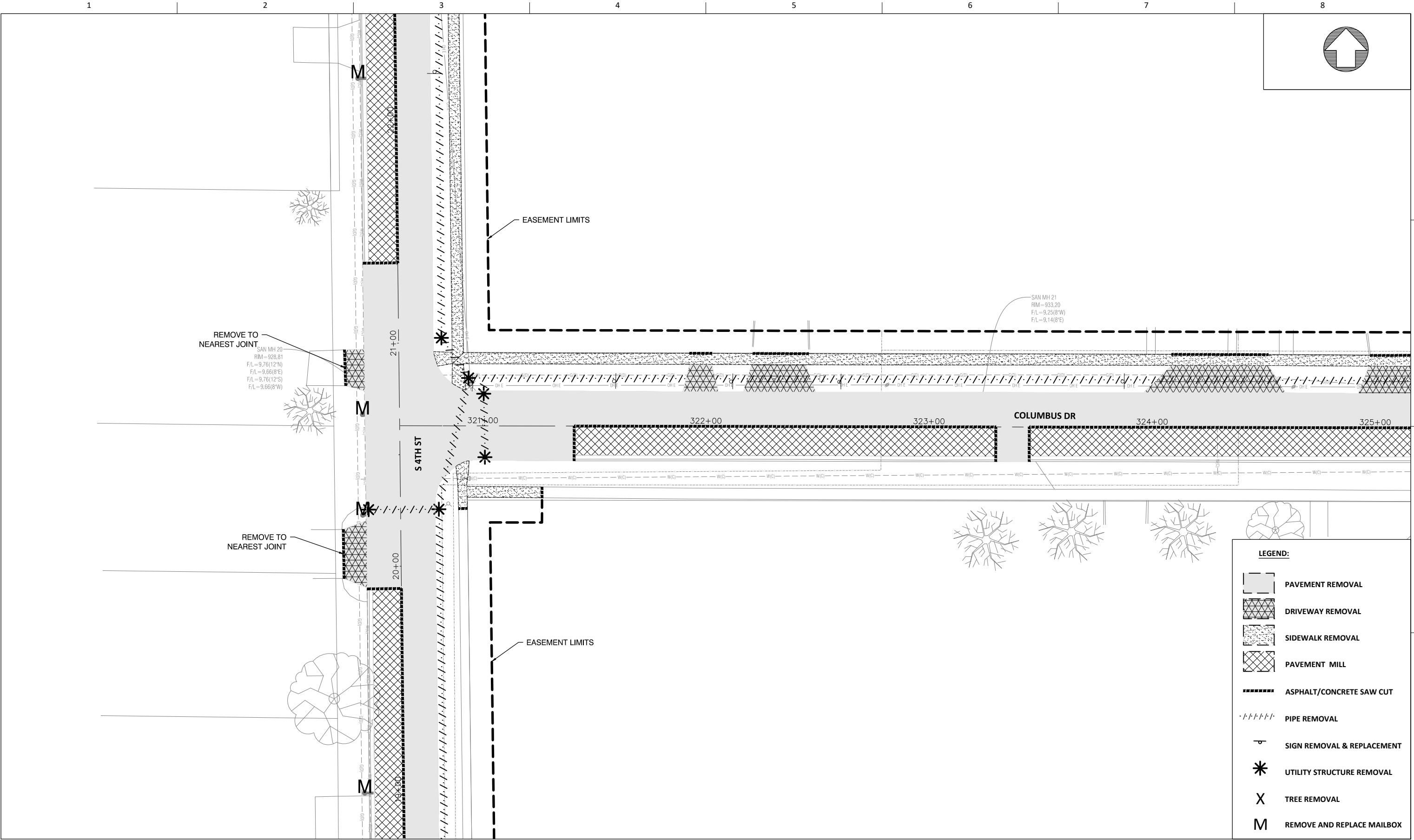
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS



REMOVALS
EDGELAND DR

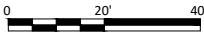
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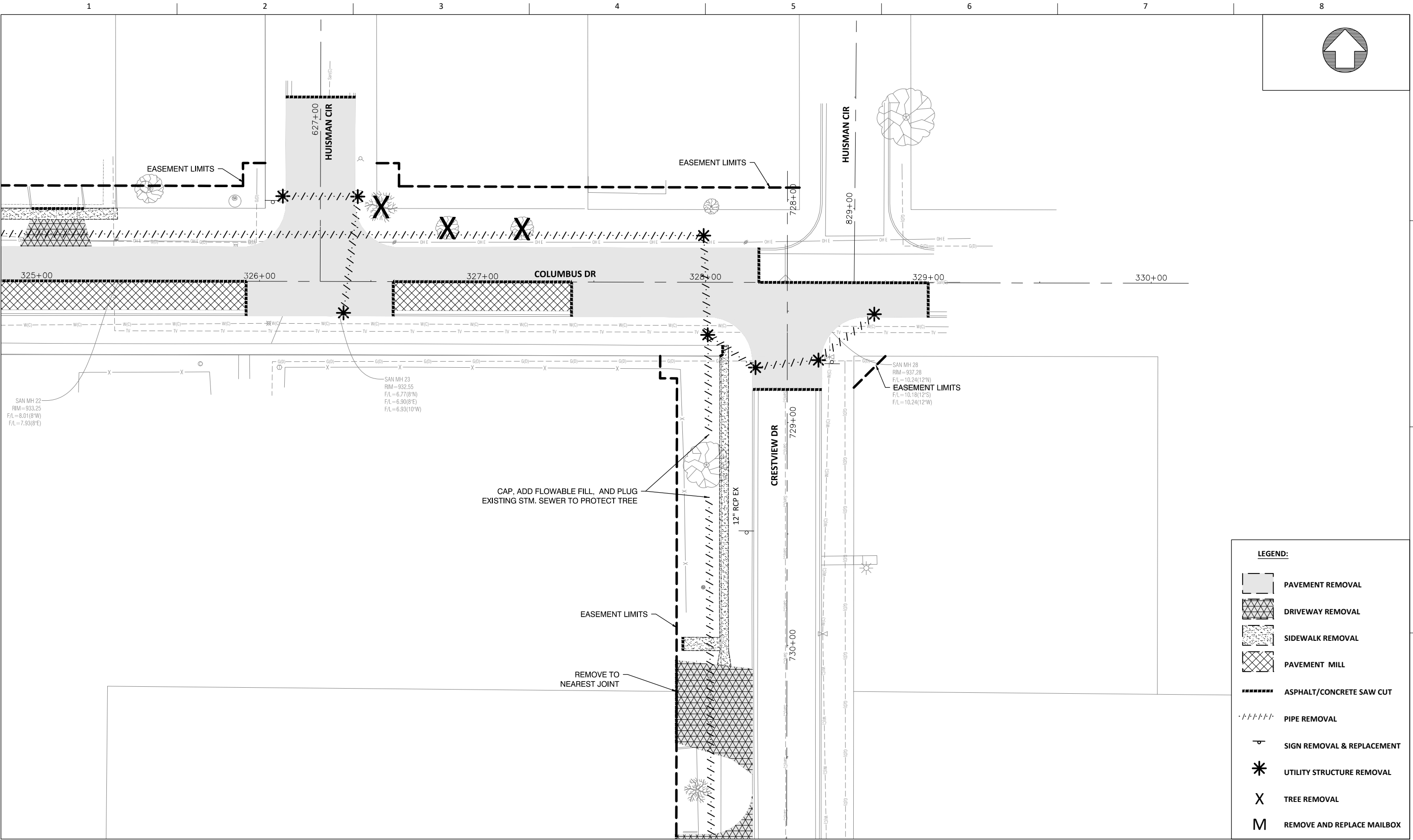
SHEET
CR.7



ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	





LEGEND:

- PAVEMENT REMOVAL
- DRIVEWAY REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT MILL
- ASPHALT/CONCRETE SAW CUT
- PIPE REMOVAL
- SIGN REMOVAL & REPLACEMENT
- UTILITY STRUCTURE REMOVAL
- TREE REMOVAL
- REMOVE AND REPLACE MAILBOX

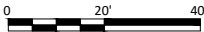
MARSHALLTOWN
IOWA



ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	

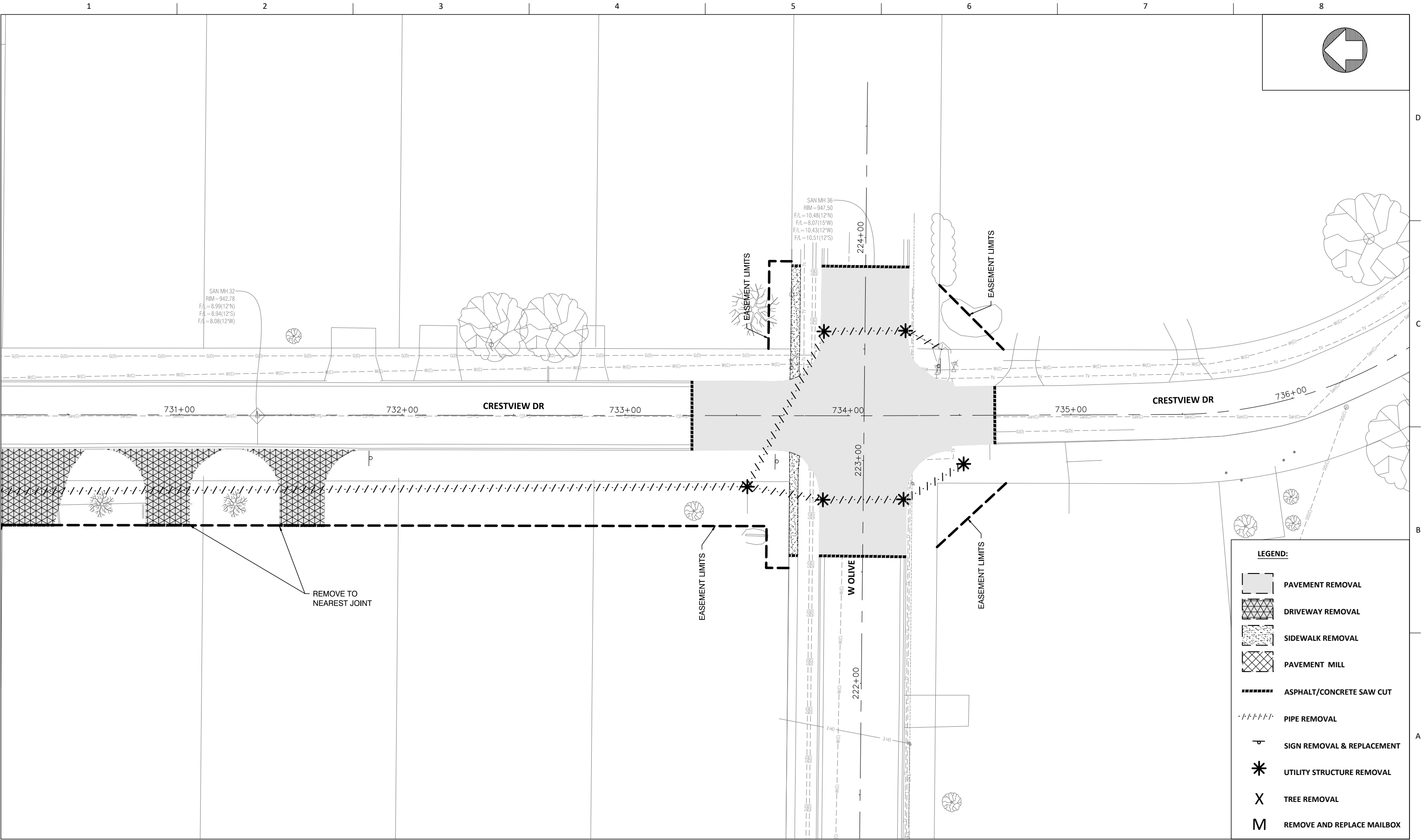
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS



REMOVALS
COLUMBUS DR

FILENAME | CR.1.DWG
SCALE | 1" = 20'

SHEET
CR.9



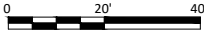
MARSHALLTOWN
IOWA



ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	

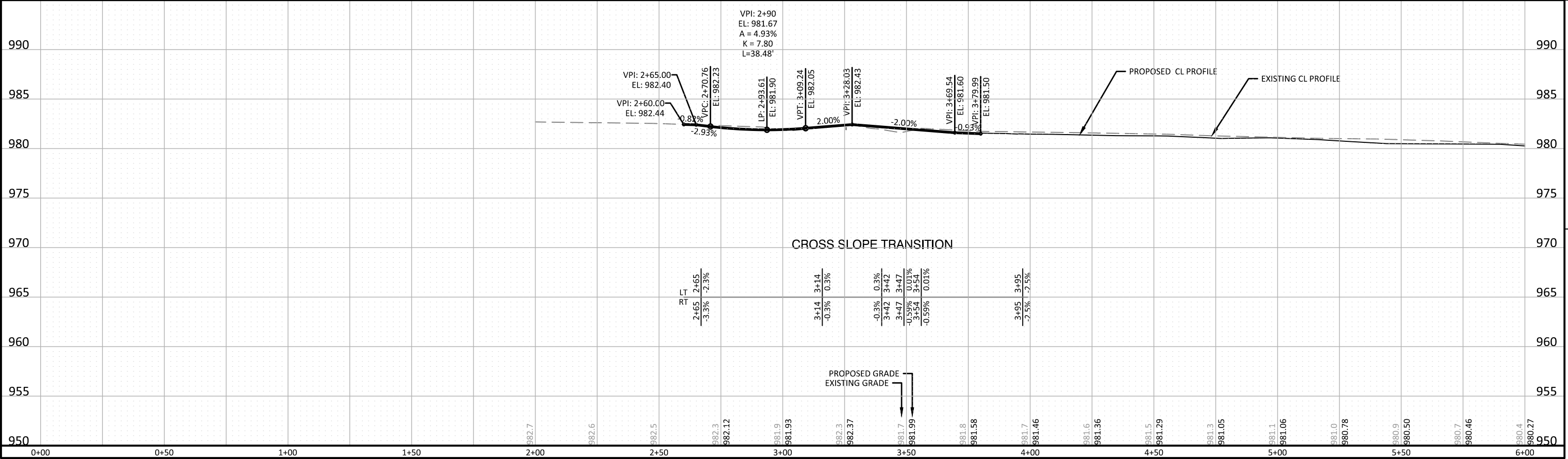
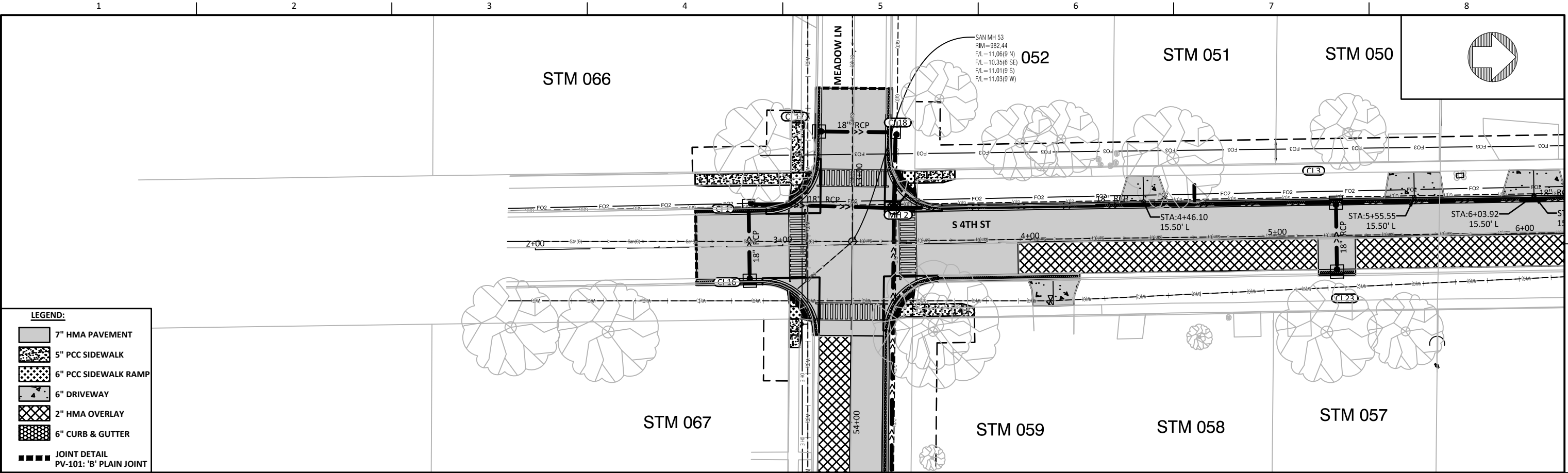
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS



REMOVALS
CRESTVIEW DR

FILENAME | CR.1.DWG
SCALE | 1" = 20'

SHEET
CR.10



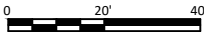
MARSHALLTOWN
— IOWA —



ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	

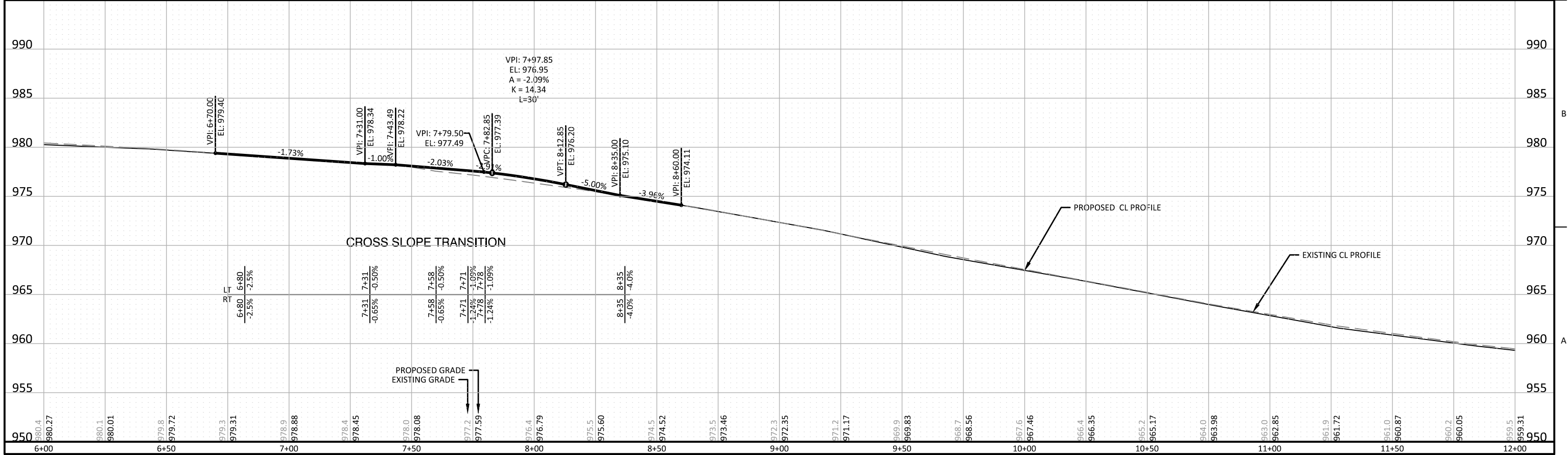
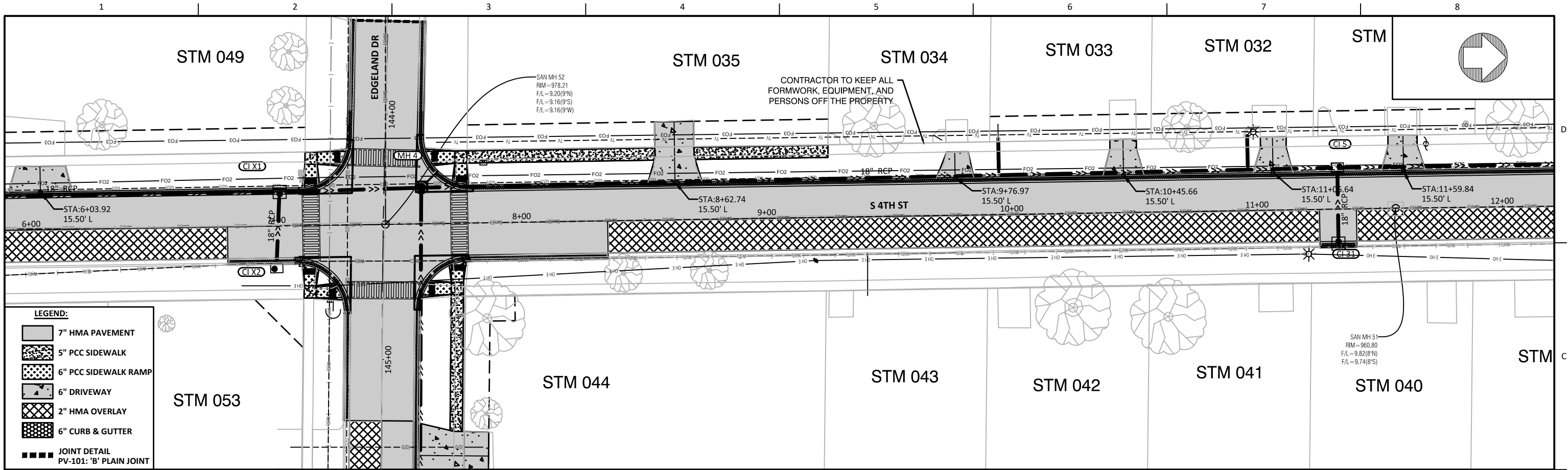
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

MAINLINE PLAN AND PROFILES
S 4TH ST



FILENAME | D.1.DWG
SCALE | 1" = 20' HORZ : 1" = 5' VERT

SHEET
D.1



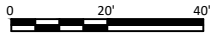
MARSHALLTOWN
IOWA



ISSUE			PROJECT NUMBER	

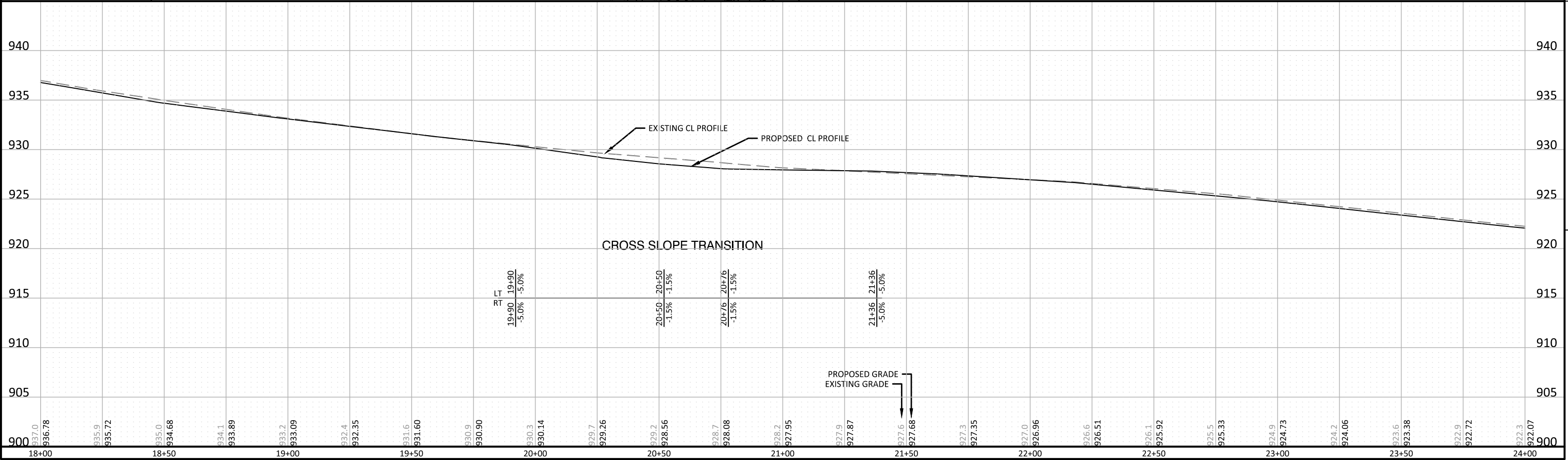
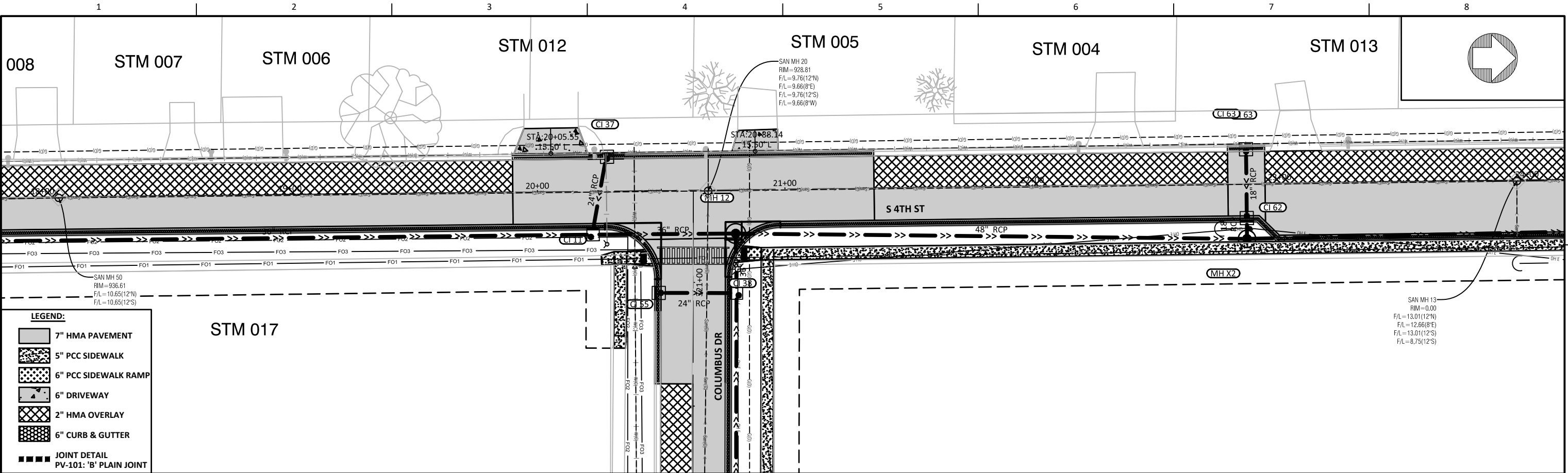
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

MAINLINE PLAN AND PROFILES
S 4TH ST



FILENAME | D.1.DWG
SCALE | 1" = 20' HORZ : 1" = 5' VERT

SHEET
D.2



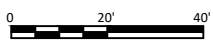
MARSHALLTOWN
— IOWA —



ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	

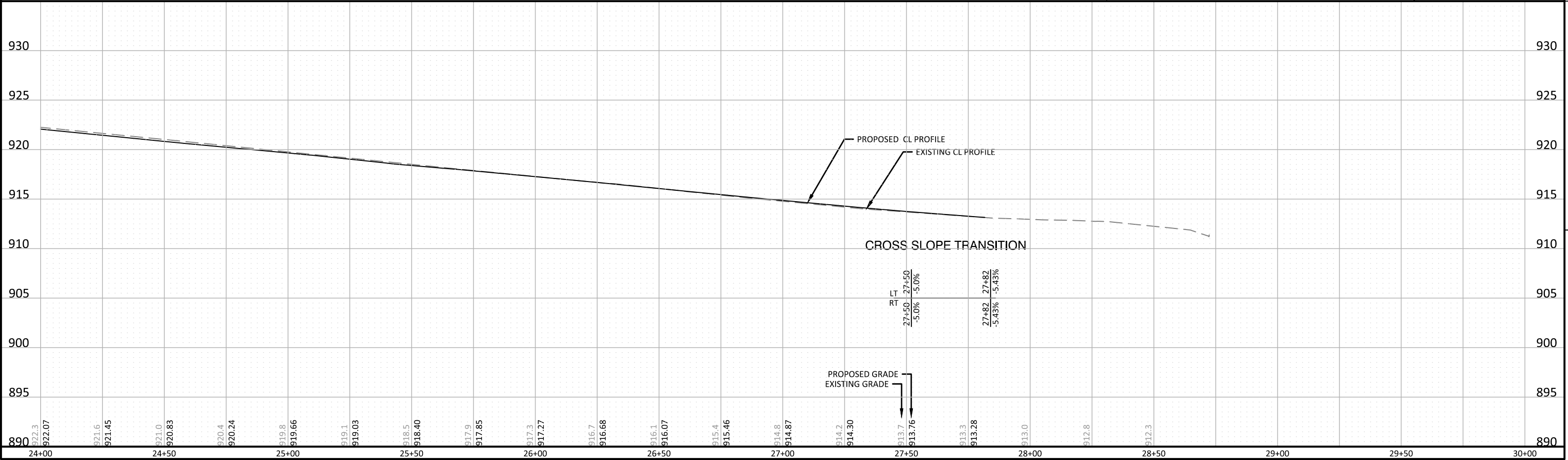
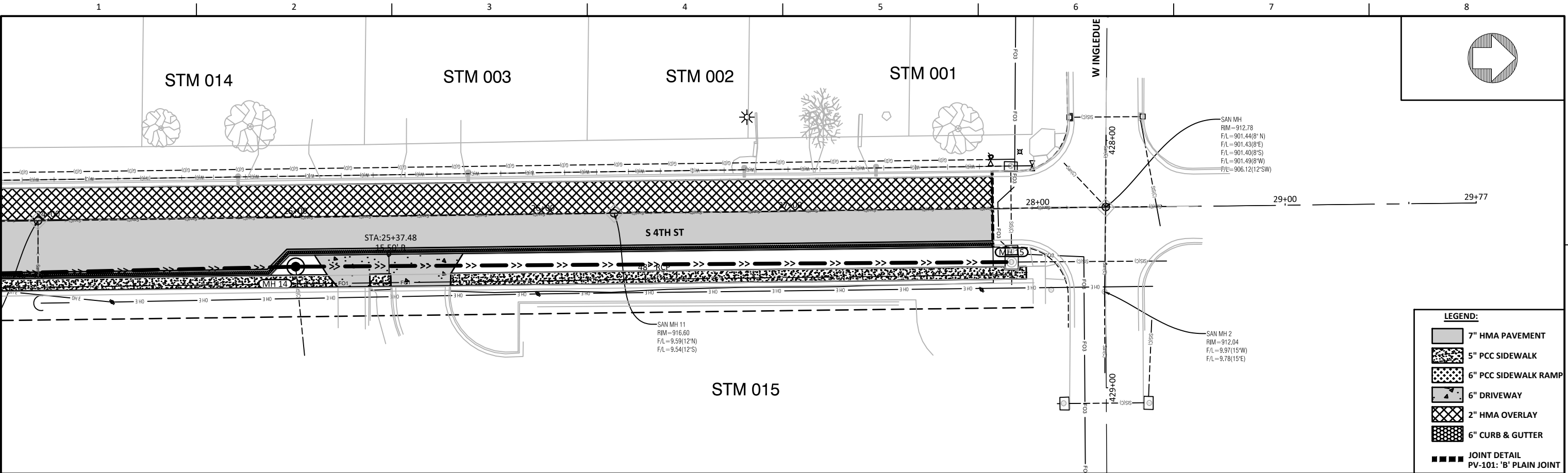
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

MAINLINE PLAN AND PROFILES
S 4TH ST



FILENAME | D.1.DWG
SCALE | 1" = 20' HORZ : 1" = 5' VERT

SHEET
D.4



MARSHALLTOWN
IOWA

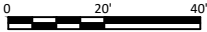


ISSUE	DATE	DESCRIPTION

PROJECT NUMBER

4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

MAINLINE PLAN AND PROFILES
S 4TH ST



FILENAME | D.1.DWG
SCALE | 1" = 20' HORZ : 1" = 5' VERT

SHEET
D.5

c:\pwworking\central01\1259540\1.dwg, 12/14/2020 12:41:40 PM, MRASMUSSEN

MARSHALLTOWN
IOWA

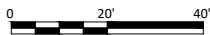


ISSUE	DATE	DESCRIPTION
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PROJECT NUMBER

4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

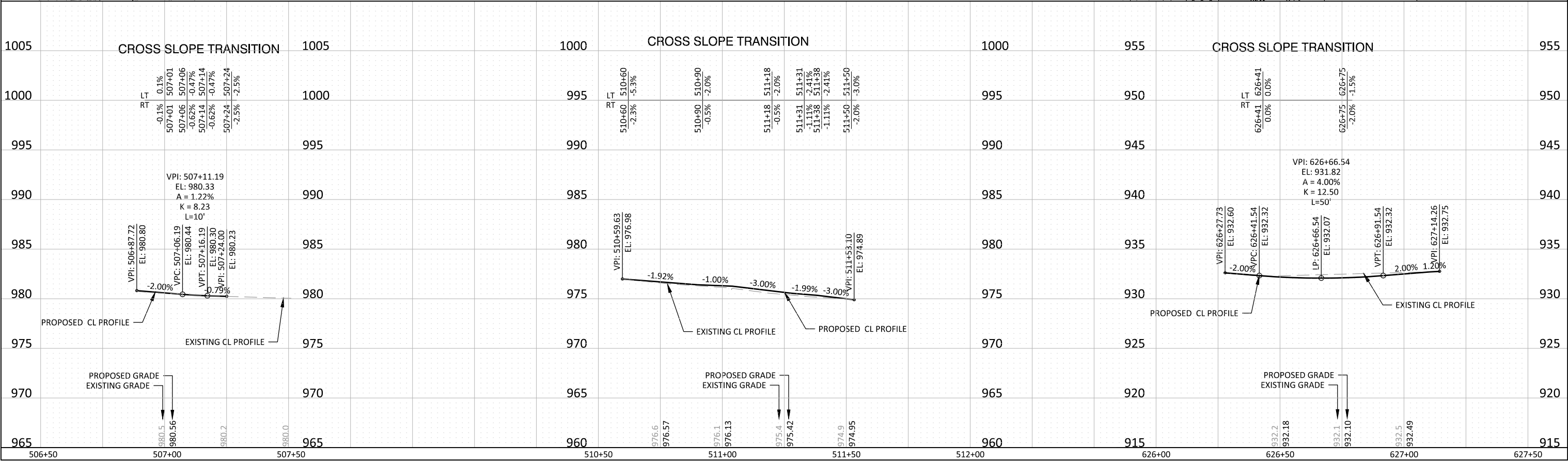
SIDE STREET PLAN AND PROFILES
3RD ST/3RD ST/HUISMAN CIR



FILENAME E.1.DWG
SCALE 1" = 20' HORZ : 1" = 5' VERT

SHEET

E.9





S 4TH ST S ALIGNMENT DATA											
NO.	START STATION	END STATION	LENGTH (FEET)	DELTA	RADIUS (FEET)	TANGENT (FEET)	START NORTHING	START EASTING	END NORTHING	END EASTING	LINE / CHORD DIRECTION
L1	2+00.00	3+28.03	128.03				7846730.66	19472086.40	7846858.68	7846858.68	N0° 53' 47.70"W
L2	3+28.03	7+43.49	415.45				7846858.68	19472084.39	7847274.08	7847274.08	N0° 53' 47.70"W
L3	7+43.49	14+99.22	755.74				7847274.08	19472077.89	7848029.72	7848029.72	N0° 54' 07.02"W

S 3RD ST ALIGNMENT DATA											
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L8	506+87.72	511+03.86	416.15				7846854.90	19472444.43	7847270.99	7847270.99	N0° 55' 00.61"W
L9	511+03.86	518+59.64	755.78				7847270.99	19472437.77	7848026.68	7848026.68	N0° 54' 07.75"W

MEADOW LN ALIGNMENT DATA											
NO.	START STATION	END STATION	LENGTH (FEET)	DELTA	RADIUS (FEET)	TANGENT (FEET)	START NORTHING	START EASTING	END NORTHING	END EASTING	LINE / CHORD DIRECTION
L10	52+00.00	53+28.21	128.21				7846860.18	19471956.19	7846858.68	7846858.68	S89° 19' 42.45"E
L11	53+28.21	56+88.27	360.06				7846858.68	19472084.39	7846854.90	7846854.90	S89° 23' 56.33"E
L12	56+88.27	58+00.00	111.73				7846854.90	19472444.43	7846853.68	7846853.68	S89° 22' 38.07"E

EDGELAND DR ALIGNMENT DATA											
NO.	START STATION	END STATION	LENGTH (FEET)	DELTA	RADIUS (FEET)	TANGENT (FEET)	START NORTHING	START EASTING	END NORTHING	END EASTING	LINE / CHORD DIRECTION
L13	143+00.00	144+44.96	144.96				7847277.49	19471932.97	7847274.08	7847274.08	S88° 39' 09.26"E
L14	144+44.96	148+04.86	359.89				7847274.08	19472077.89	7847271.02	7847271.02	S89° 30' 44.99"E
L15	148+04.86	149+00.01	95.15				7847271.02	19472437.77	7847270.21	7847270.21	S89° 30' 44.99"E

MARSHALLTOWN
IOWA

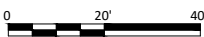


ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	

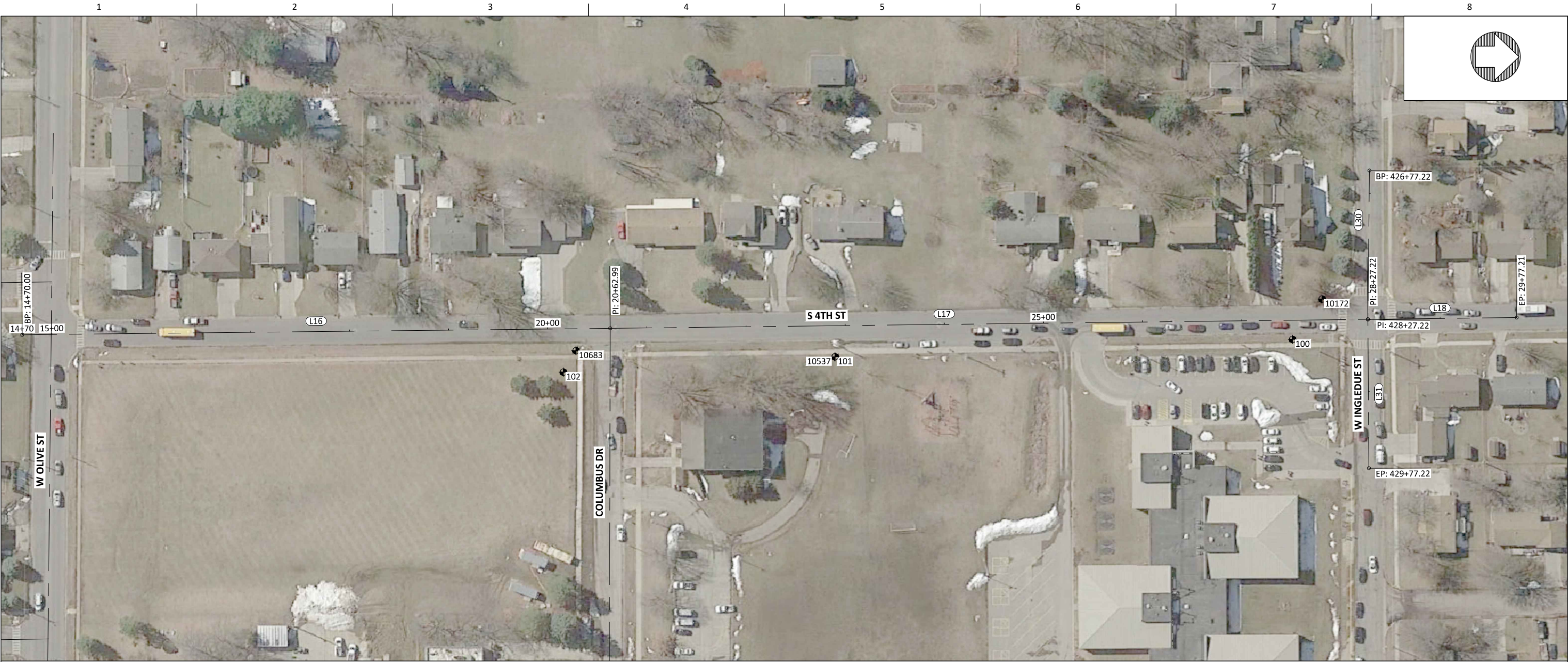
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

ALIGNMENT & BENCHMARK INFORMATION



FILENAME | G.1.DWG
SCALE | 1" = 50'

SHEET
G.1



S 4TH ST N ALIGNMENT DATA											
NO.	START STATION	END STATION	LENGTH (FEET)	DELTA	RADIUS (FEET)	TANGENT (FEET)	START NORTHING	START EASTING	END NORTHING	END EASTING	LINE / CHORD DIRECTION
L16	14+70.00	20+62.99	592.99				7847999.94	19472119.33	7848592.90	7848592.90	N0° 37' 18.17"W
L17	20+62.99	28+27.22	764.23				7848592.90	19472112.90	7849357.07	7849357.07	N0° 41' 08.14"W
L18	28+27.22	29+77.21	150.00				7849357.07	19472103.75	7849507.05	7849507.05	N0° 41' 08.14"W

W INGLEDUE ST ALIGNMENT DATA											
NO.	START STATION	END STATION	LENGTH (FEET)	DELTA	RADIUS (FEET)	TANGENT (FEET)	START NORTHING	START EASTING	END NORTHING	END EASTING	LINE / CHORD DIRECTION
L30	426+77.22	428+27.22	150.00				7849358.61	19471953.90	7849357.07	7849357.07	S89° 24' 40.29"E
L31	428+27.22	429+77.22	150.00				7849357.07	19472103.89	7849358.00	7849358.00	N89° 38' 35.80"E

POINT LAT / LONG DATA				
POINT NUMBER	RAW DESCRIPTION	ELEVATION	NORTHING	EASTING
100	103 60D	913.69	7849281.09	19472123.97
101	103 60D	924.92	7848819.61	19472141.54
102	103 60D	931.52	7848545.66	19472156.98
10172	111 CUT X E BOLT	915.85	7849310.78	19472083.35
10537	103 NAIL	924.86	7848819.64	19472141.53
10683	111 E BOLT	932.16	7848558.44	19472135.31

MARSHALLTOWN
IOWA



ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	

4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

ALIGNMENT & BENCHMARK INFORMATION

020'40'

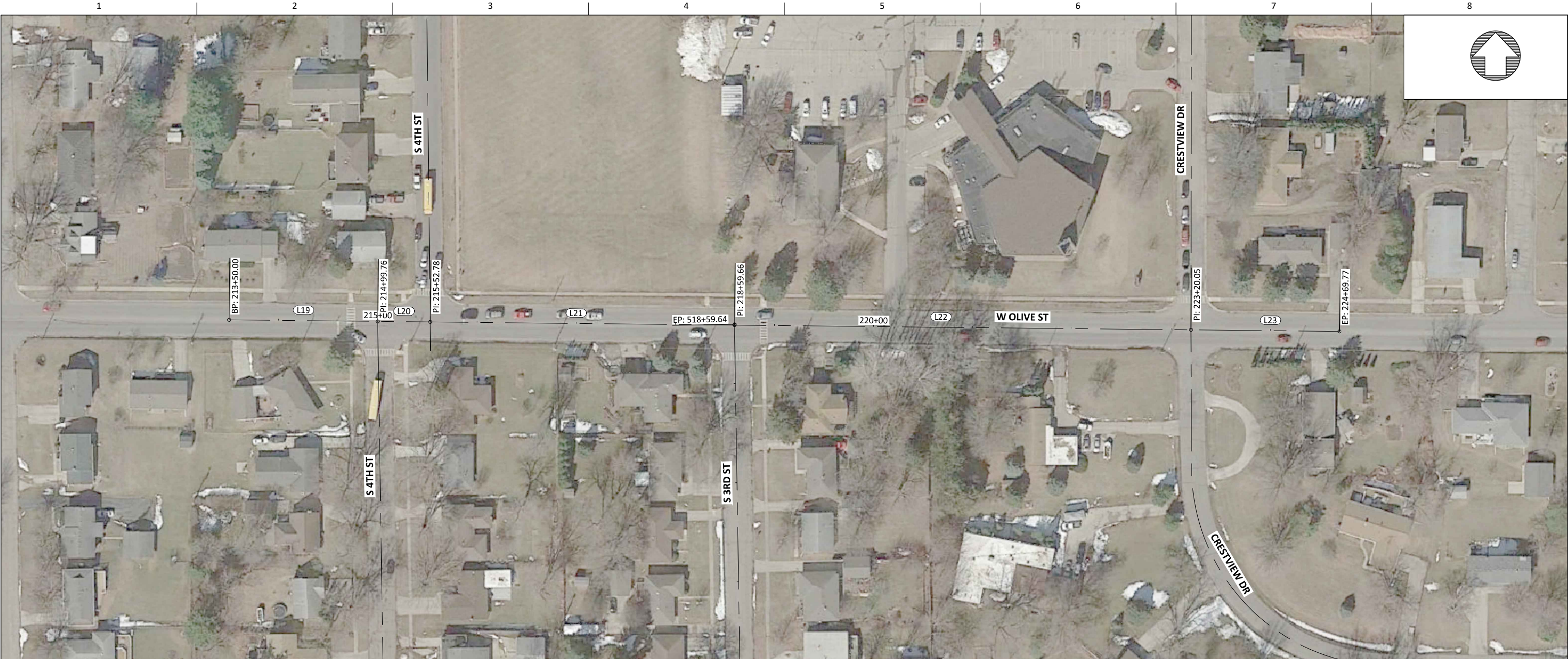
1" = 50'

FILENAME

G.1.DWG

SHEET

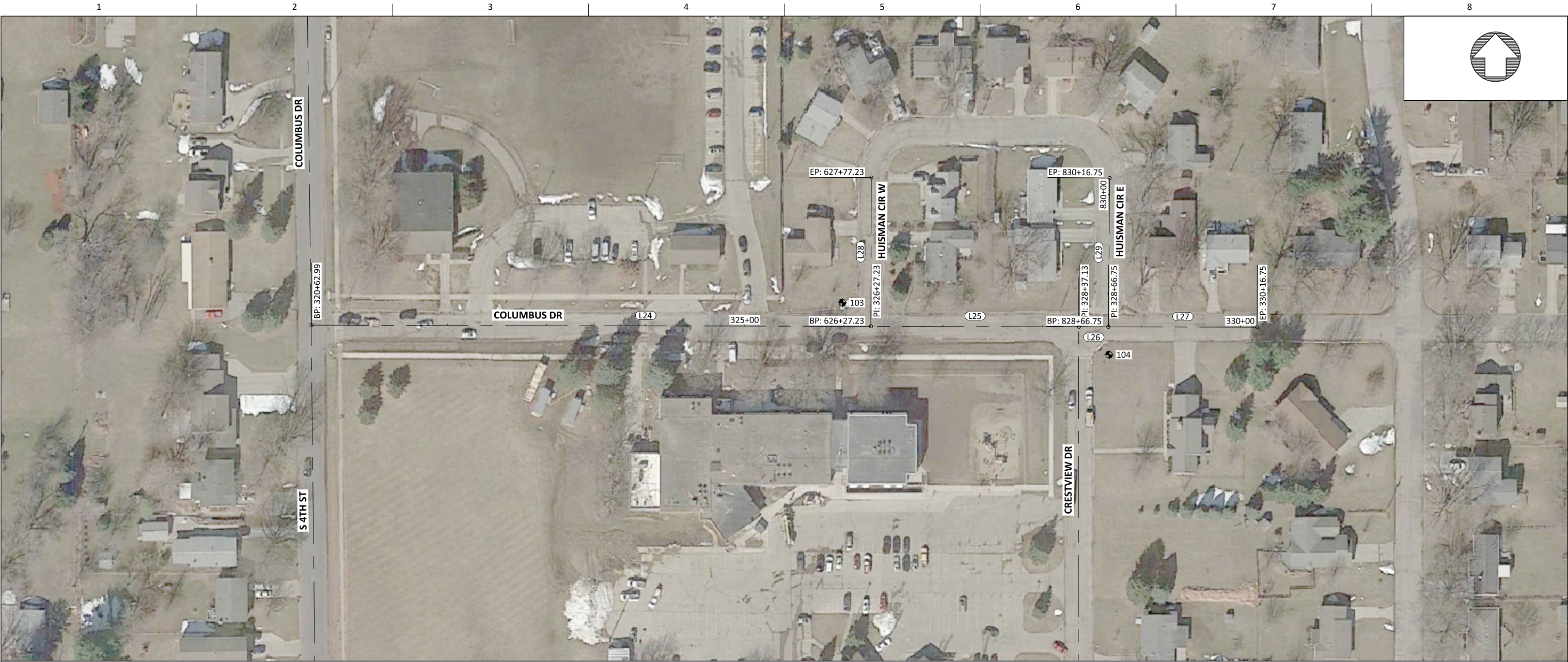
G.2



W OLIVE ST ALIGNMENT DATA											
NO.	START STATION	END STATION	LENGTH (FEET)	DELTA	RADIUS (FEET)	TANGENT (FEET)	START NORTHING	START EASTING	END NORTHING	END EASTING	LINE / CHORD DIRECTION
L19	213+50.00	214+99.76	149.76				7848031.29	19471916.25	7848029.72	7848029.72	S89° 24' 05.86"E
L20	214+99.76	215+52.78	53.02				7848029.72	19472066.00	7848029.17	7848029.17	S89° 24' 05.86"E
L21	215+52.78	218+59.66	306.89				7848029.17	19472119.01	7848025.96	7848025.96	S89° 24' 05.86"E
L22	218+59.66	223+20.05	460.39				7848025.96	19472425.88	7848021.15	7848021.15	S89° 24' 05.86"E
L23	223+20.05	224+69.77	149.71				7848021.15	19472886.25	7848019.59	7848019.59	S89° 24' 05.86"E

ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	



COLUMBUS DR ALIGNMENT DATA											
NO.	START STATION	END STATION	LENGTH (FEET)	DELTA	RADIUS (FEET)	TANGENT (FEET)	START NORTHING	START EASTING	END NORTHING	END EASTING	LINE / CHORD DIRECTION
L24	320+62.99	326+27.23	564.24				7848592.89	19472113.14	7848591.69	7848591.69	S89° 52' 38.96"E
L25	326+27.23	328+37.13	209.90				7848591.69	19472677.38	7848591.24	7848591.24	S89° 52' 38.96"E
L26	328+37.13	328+66.75	29.63				7848591.24	19472887.28	7848591.18	7848591.18	S89° 52' 38.96"E
L27	328+66.75	330+16.75	150.00				7848591.18	19472916.91	7848590.86	7848590.86	S89° 52' 38.96"E

HUISMAN CIR W ALIGNMENT DATA											
NO.	START STATION	END STATION	LENGTH (FEET)	DELTA	RADIUS (FEET)	TANGENT (FEET)	START NORTHING	START EASTING	END NORTHING	END EASTING	LINE / CHORD DIRECTION
L28	626+27.23	627+77.23	150.00				7848591.69	19472677.38	7848741.69	7848741.69	N0° 09' 36.73"E

HUISMAN CIR E ALIGNMENT DATA											
NO.	START STATION	END STATION	LENGTH (FEET)	DELTA	RADIUS (FEET)	TANGENT (FEET)	START NORTHING	START EASTING	END NORTHING	END EASTING	LINE / CHORD DIRECTION
L29	828+66.75	830+16.75	150.00				7848591.18	19472916.91	7848741.17	7848741.17	N0° 29' 56.84"E

POINT LAT / LONG DATA				
POINT NUMBER	RAW DESCRIPTION	ELEVATION	NORTHING	EASTING
103	103 60D	932.53	7848615.47	19472648.67
104	103 60D	938.77	7848563.09	19472917.55

ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	



CRESTVIEW DR ALIGNMENT DATA										
NO.	START STATION	END STATION	LENGTH (FEET)	DELTA	RADIUS (FEET)	TANGENT (FEET)	START NORTHING	START EASTING	END NORTHING	END EASTING
L32	727+87.13	728+37.13	50.00				7848641.24	19472887.01	7848591.24	7848591.24
L33	734+07.21	735+47.13	139.92				7848021.15	19472886.25	7847881.24	7847881.24
C1	735+47.13	738+58.15	311.02	89°06'00.32"	200.00	196.88	7847881.24	19472886.84	7847682.10	19473084.55
L34	738+58.15	747+09.64	851.49				7847682.10	19473084.55	7847672.35	7847672.35

POINT LAT / LONG DATA				
POINT NUMBER	RAW DESCRIPTION	ELEVATION	NORTHING	EASTING
702	103 MAG	953.31	7847708.70	19472966.27

ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	

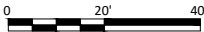


ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	

4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

ROW & EASEMENT INFORMATION



FILENAME	H.1.DWG
SCALE	1" = 50'

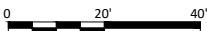


ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	

4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

ROW & EASEMENT INFORMATION



FILENAME	H.1.DWG
SCALE	1" = 50'

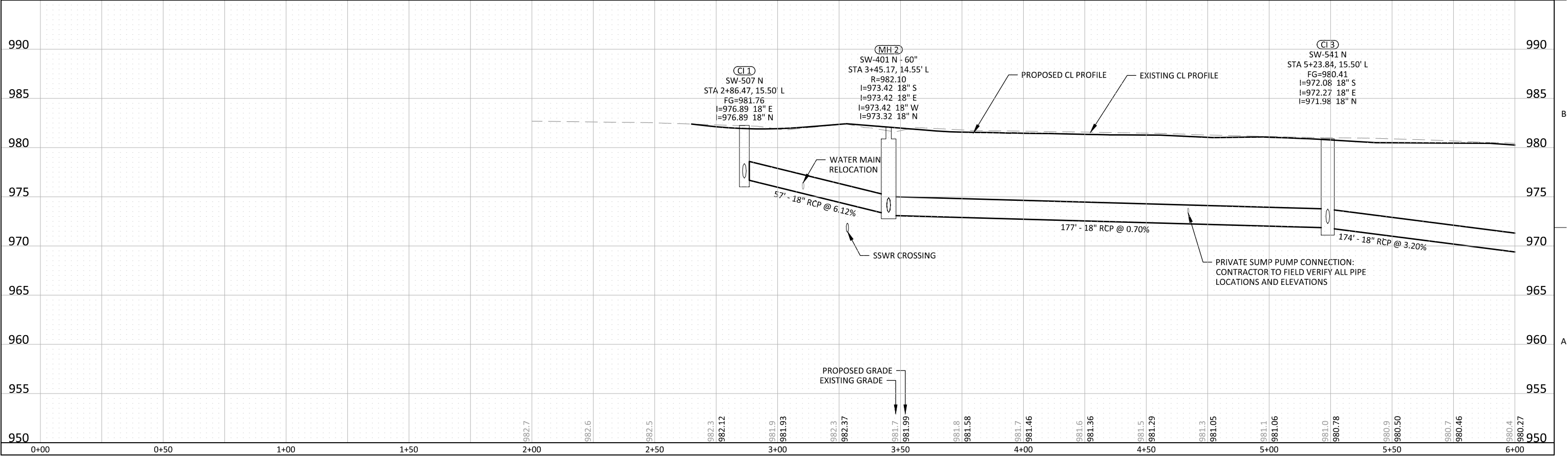
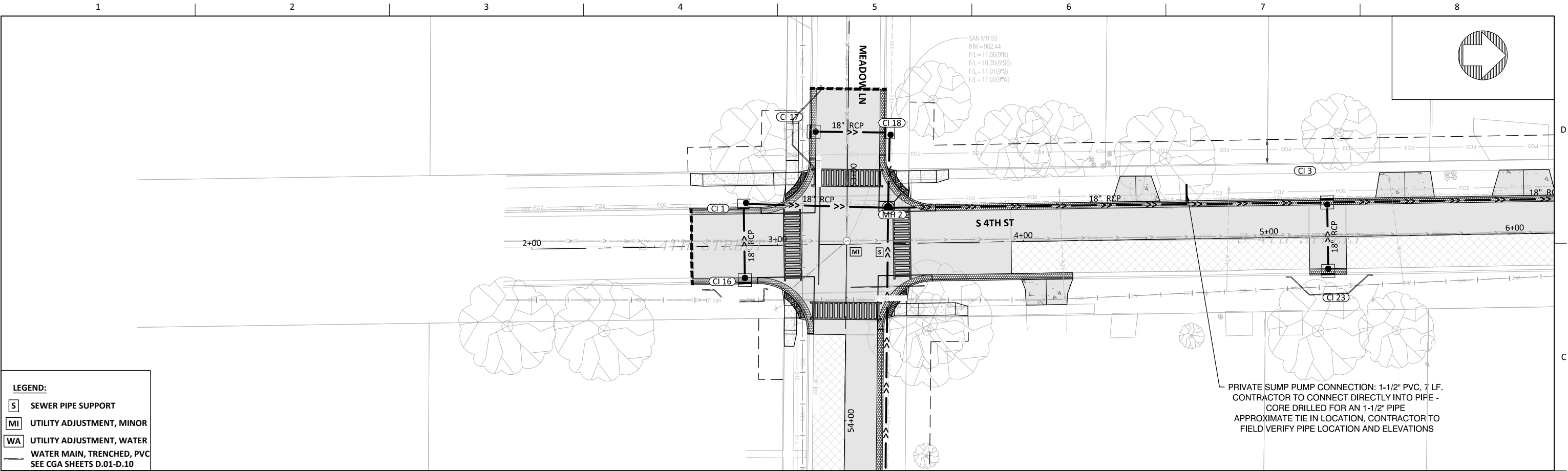


TRAFFIC CONTROL NOTES:

1. TRAFFIC CONTROL LAYOUTS SHOWN ON THESE PLANS ARE GENERAL TRAFFIC CONTROL LAYOUTS FOR INFORMATION ONLY.
2. THE CONTRACTOR SHALL DEVELOP A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH SECTION 1070, 2.06 'TRAFFIC CONTROL' OF THE STANDARD SPECIFICATIONS. ANY TRAFFIC CONTROL DEVICES OR SAFETY EQUIPMENT NEEDED TO CONSTRUCT THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION PHASING AND TRAFFIC CONTROL PLAN WITH THE PLANNED DETOURS, IF APPLICABLE, TO THE ENGINEER FOR APPROVAL BEFORE THE START OF ANY CONSTRUCTION ACTIVITIES.
3. IF NECESSARY, STREETS WILL BE CLOSED IN ACCORDANCE WITH THE SECTION 1070, 2.06 'TRAFFIC CONTROL' OF THE STANDARD SPECIFICATIONS.
4. ALL TRAFFIC CONTROL PLANS MUST BE REVIEWED AND APPROVED BY CITY OF MARSHALLTOWN PUBLIC WORKS STAFF COORDINATE WITH CITY STAFF PRIOR TO PLACEMENT OF TRAFFIC CONTROL DEVICES AND SIGNS FOR EACH STAGE OF THE PROJECT.
5. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR.
6. ALL TRAFFIC CONTROL SIGNS SHALL BE PLACED A MINIMUM OF 2 FEET CLEAR OF THE BACK OF CURB WHERE POSSIBLE.
7. PORTABLE MOUNTINGS FOR WARNING SIGNS MAY BE USED FOR TEMPORARY INSTALLATIONS OF 3 DAYS OR LESS ALL OTHER TRAFFIC CONTROL SHALL BE POST MOUNTED.
8. THE PROPOSED SIGNAGE MAY BE MODIFIED TO MEET FIELD CONDITIONS, PREVENT OBSTRUCTIONS AND TO ACCOMMODATE CONSTRUCTION SCHEDULING UPON APPROVAL OF THE PROJECT ENGINEER.
9. ORANGE SAFETY FENCE SHALL BE PLACED ENTIRELY ACROSS THE TRAVELED PORTION OF THE ROADWAY AT ALL LOCATIONS WHERE TYPE III BARRICADES WITH "ROAD CLOSED" SIGNS ARE USED.
10. SIGNAGE MAINTENANCE SHALL BE CONSIDERED INCIDENTAL TO TRAFFIC CONTROL AND REQUIRED AS DIRECTED BY THE ENGINEER.
11. ALL CONSTRUCTION SIGNS SHALL BE DIAMOND GRADE FLUORESCENT ORANGE OR WHITE V.I.P. SHEETING OR EQUIVALENT. (IOWA DOT TYPE VII SHEETING).
12. THE CONTRACTOR SHALL CONTACT THE CITY OF MARSHALLTOWN PUBLIC WORKS STAFF TO REMOVE ALL PERMANENT STREET SIGNS CONFLICTING WITH PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL REMOVE ALL OTHER SIGNS AS DETERMINED BY THE ENGINEER AND THEY SHALL REMAIN THE PROPERTY OF THE RESPECTIVE OWNERS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO OTHER WORK.
13. AT THE TIME OF INITIAL SETUP OR AT THE TIME OF MAJOR STAGE CHANGES, 100 PERCENT OF EACH TYPE OF DEVICE (SIGNS, CONES, TUBULAR MARKERS, DRUMS, BARRICADES, VERTICAL PANELS, CHANGEABLE MESSAGE SIGNS, AND PAVEMENT MARKINGS) SHALL BE CLASSIFIED AS ACCEPTABLE BY THE REQUIREMENT OF THE AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA), "QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES 1992." THROUGHOUT THE DURATION OF THE PROJECT, UNACCEPTABLE DEVICES OR SITUATIONS THAT ARE FOUND ON THE JOBSITE AS DETERMINED BY BEFORE MENTIONED PUBLICATION SHALL BE REPLACED OR THE SITUATION CORRECTED WITHIN 12 HOURS OF INITIAL NOTIFICATIONS BY THE ENGINEER.
14. THE LOCATION FOR STORAGE OF EQUIPMENT BY THE CONTRACTOR DURING NONWORKING HOURS SHALL BE AS APPROVED BY THE ENGINEER, AND THE CONTRACTOR SHALL PROVIDE A WRITTEN AGREEMENT WITH THE PROPERTY OWNER.
15. AT EACH SIDEWALK CLOSURE LOCATION PLACE TYPE II BARRICADES WITH "SIDEWALK CLOSED" SIGNS AT EACH CLOSURE END AND PLACE "SIDEWALK CLOSED AHEAD" SIGNS ALONG THE SIDEWALK AT NEAREST STREET INTERSECTIONS ON EACH SIDE OF THE CLOSURE LOCATION IN ACCORDANCE WITH THE MUTCD.
16. MULTIPLE MOBILIZATIONS ARE ANTICIPATED FOR TRAFFIC CONTROL TO ADJUST THE TRAFFIC CONTROL DEVICES FOR THE DIFFERENT STAGES OF CONSTRUCTION. THESE MOBILIZATIONS SHALL BE INCIDENTAL TO TRAFFIC CONTROL BID ITEM.

ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	



MARSHALLTOWN
IOWA

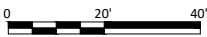


ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	

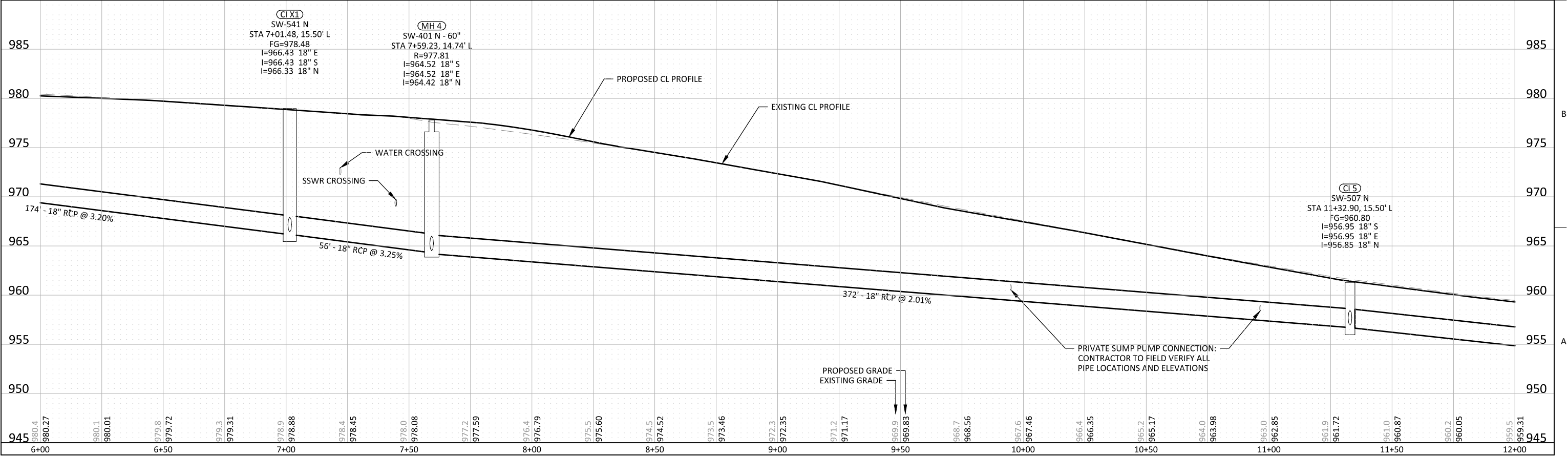
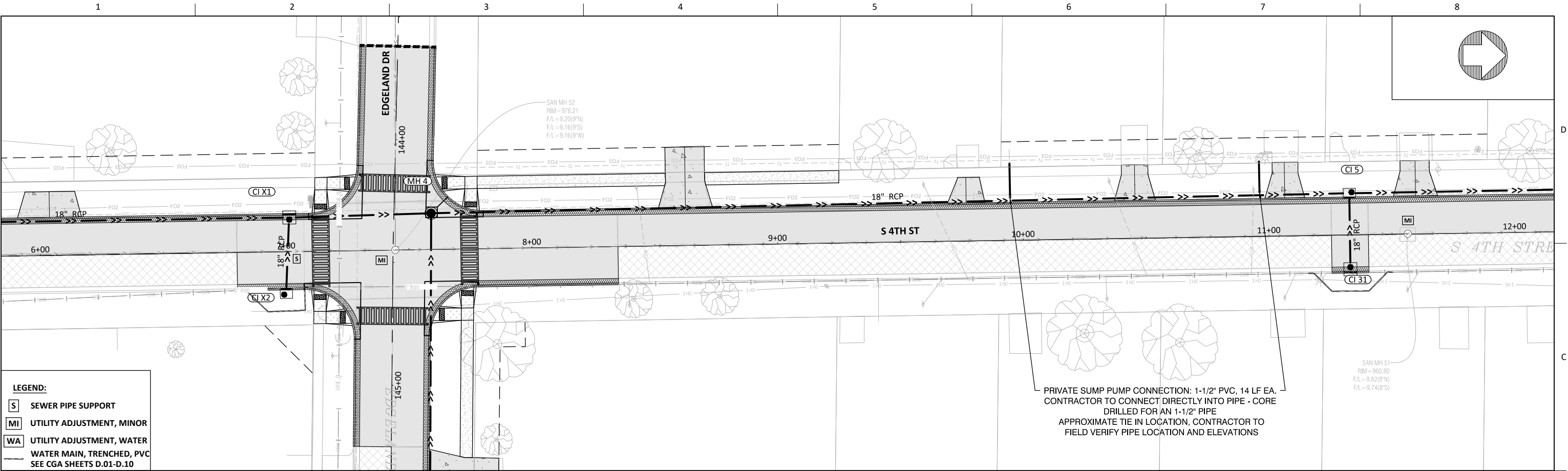
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

STORM SEWER PLAN AND PROFILES
S 4TH ST



FILENAME | M.1.DWG
SCALE | 1" = 40' HORZ : 1" = 10' VERT

SHEET
M.1



MARSHALLTOWN
IOWA

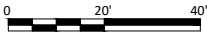


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PROJECT NUMBER

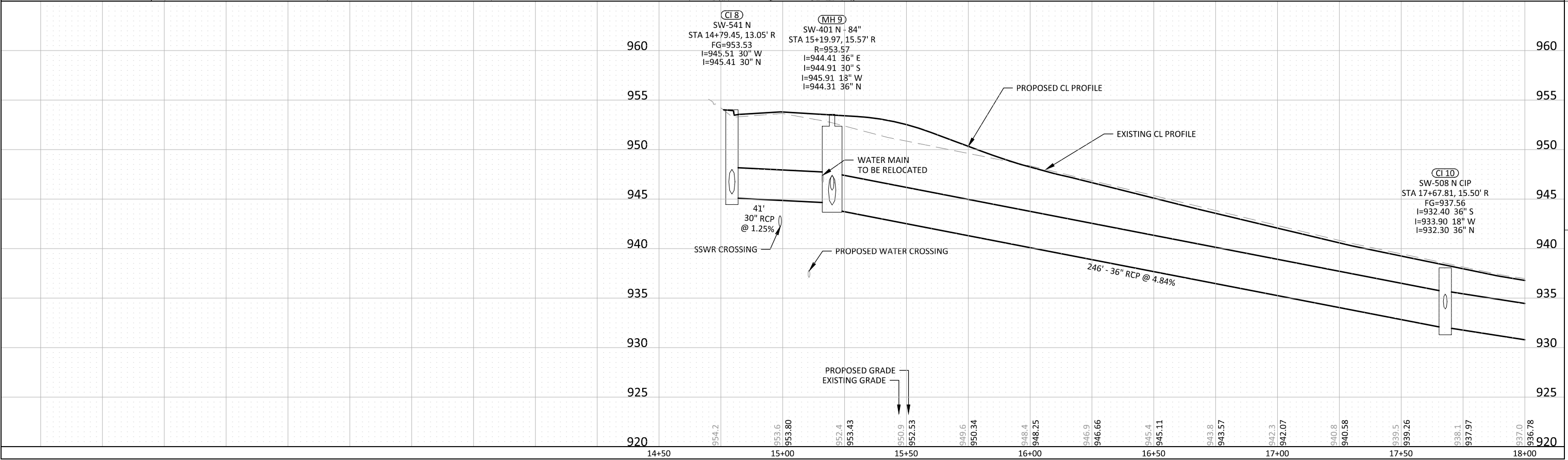
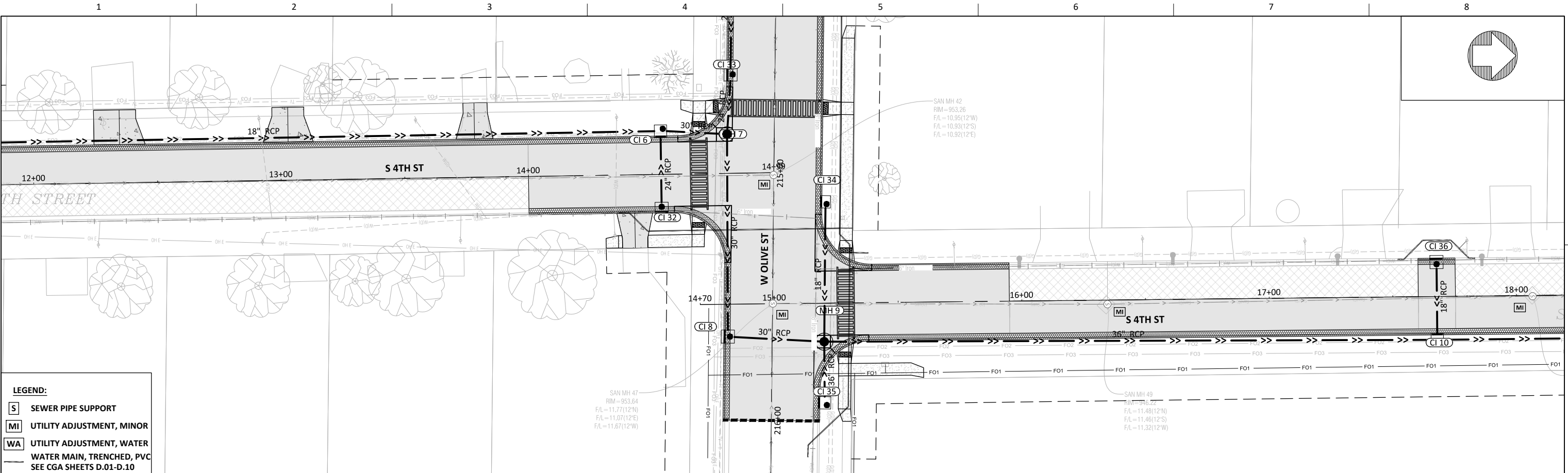
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

STORM SEWER PLAN AND PROFILES
S 4TH ST



FILENAME | M.1.DWG
SCALE | 1" = 40' HORZ : 1" = 10' VERT

SHEET
M.2



MARSHALLTOWN
IOWA

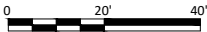


ISSUE	DATE	DESCRIPTION

PROJECT NUMBER

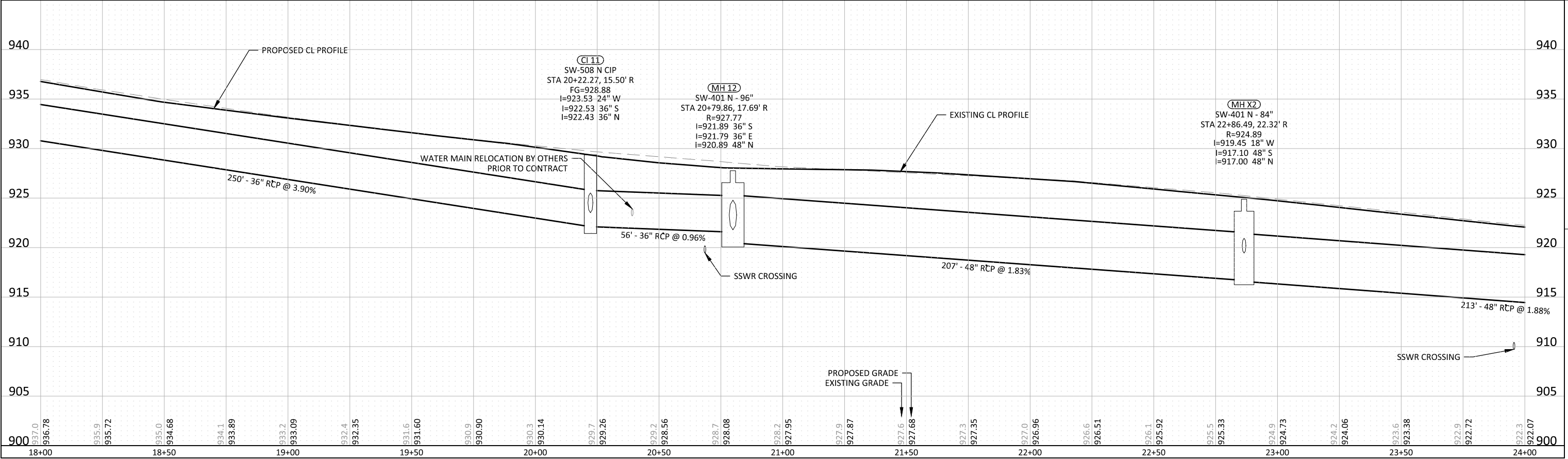
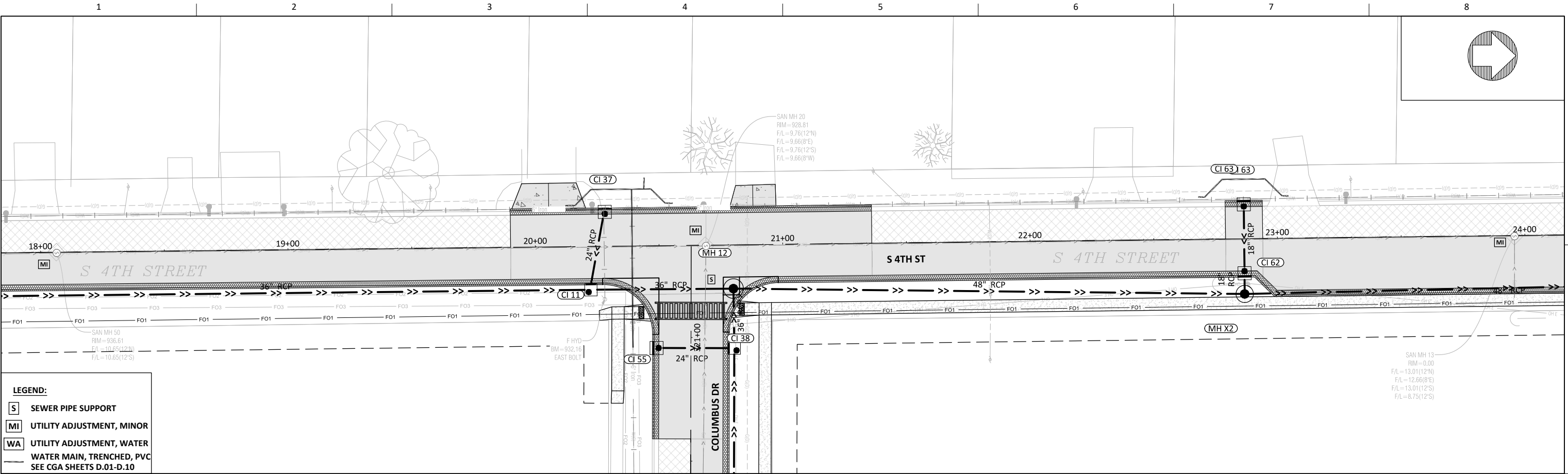
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

STORM SEWER PLAN AND PROFILES
S 4TH ST



FILENAME | M.1.DWG
SCALE | 1" = 40' HORZ : 1" = 10' VERT

SHEET
M.4



MARSHALLTOWN
IOWA

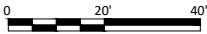


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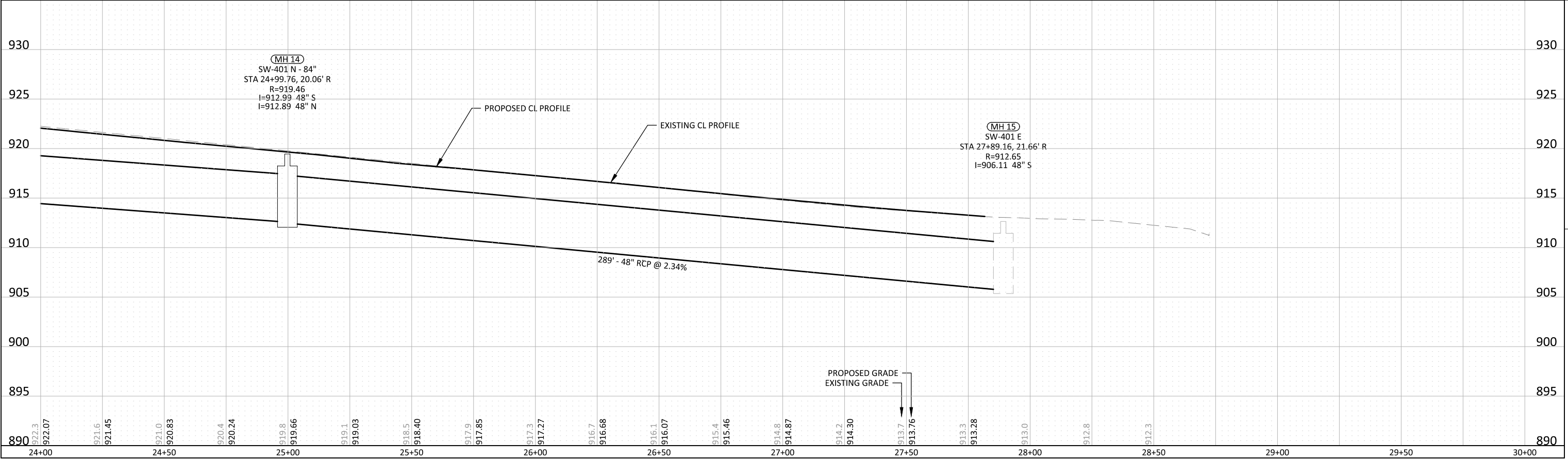
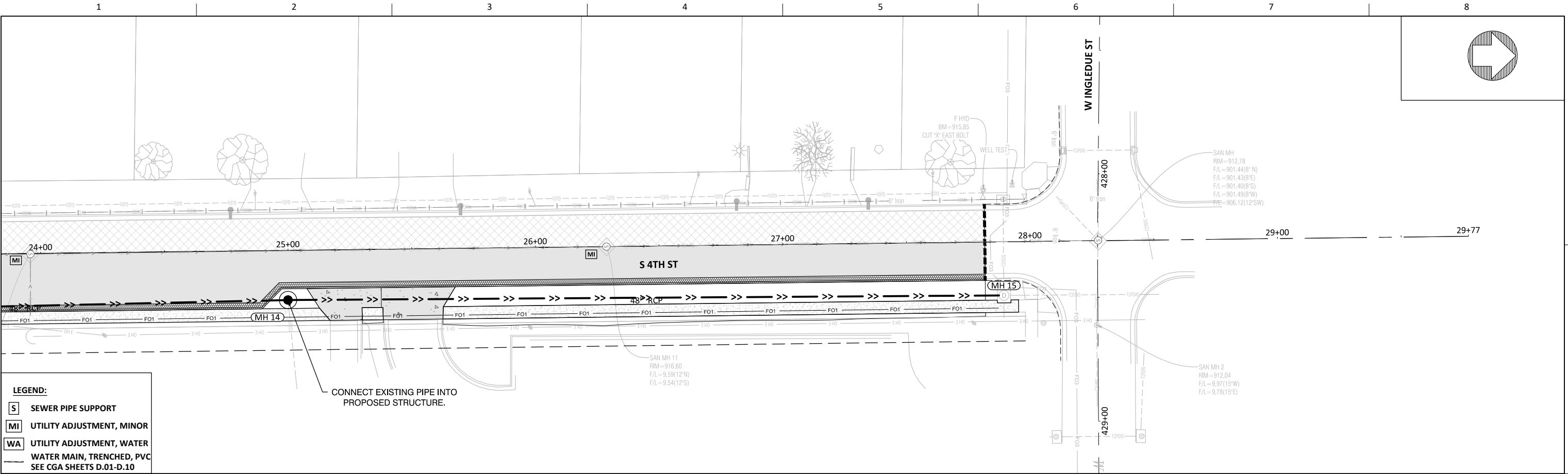
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

STORM SEWER PLAN AND PROFILES
S 4TH ST



FILENAME | M.1.DWG
SCALE | 1" = 40' HORZ : 1" = 10' VERT

SHEET
M.5



MARSHALLTOWN
IOWA

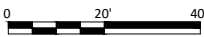


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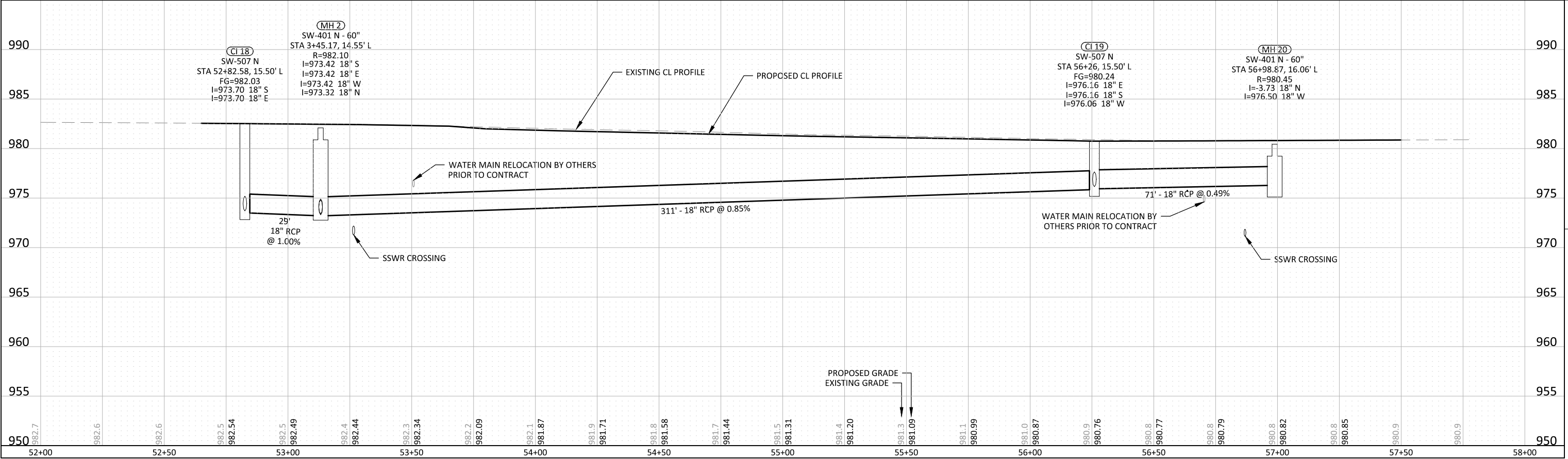
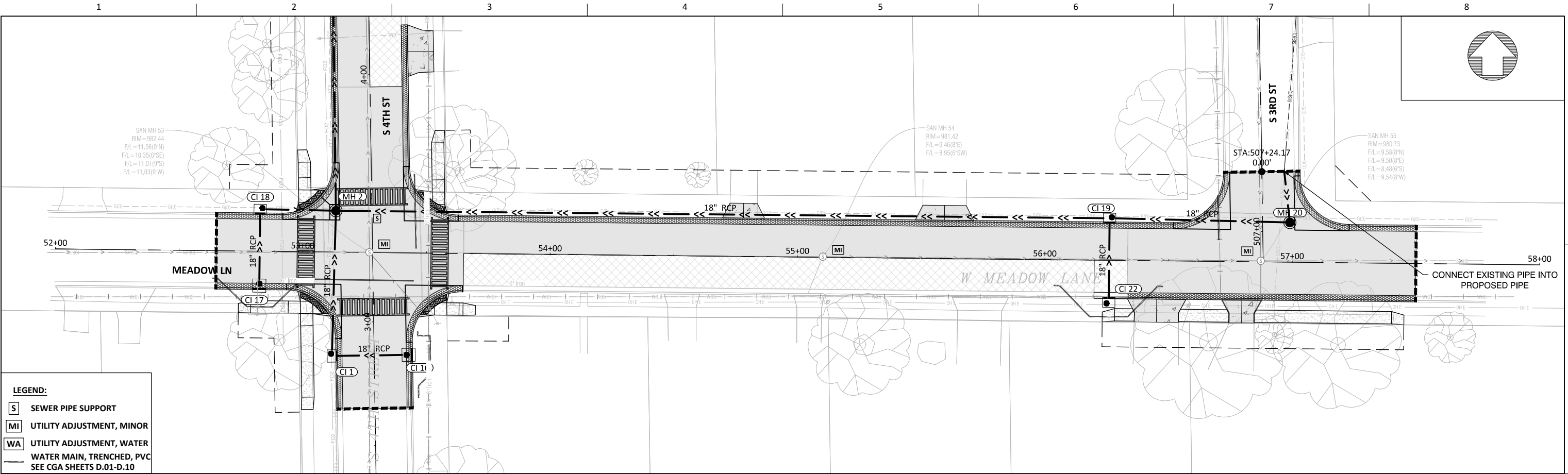
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

STORM SEWER PLAN AND PROFILES
S 4TH ST



FILENAME | M.1.DWG
SCALE | 1" = 40' HORZ : 1" = 10' VERT

SHEET
M.6



MARSHALLTOWN
IOWA

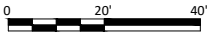


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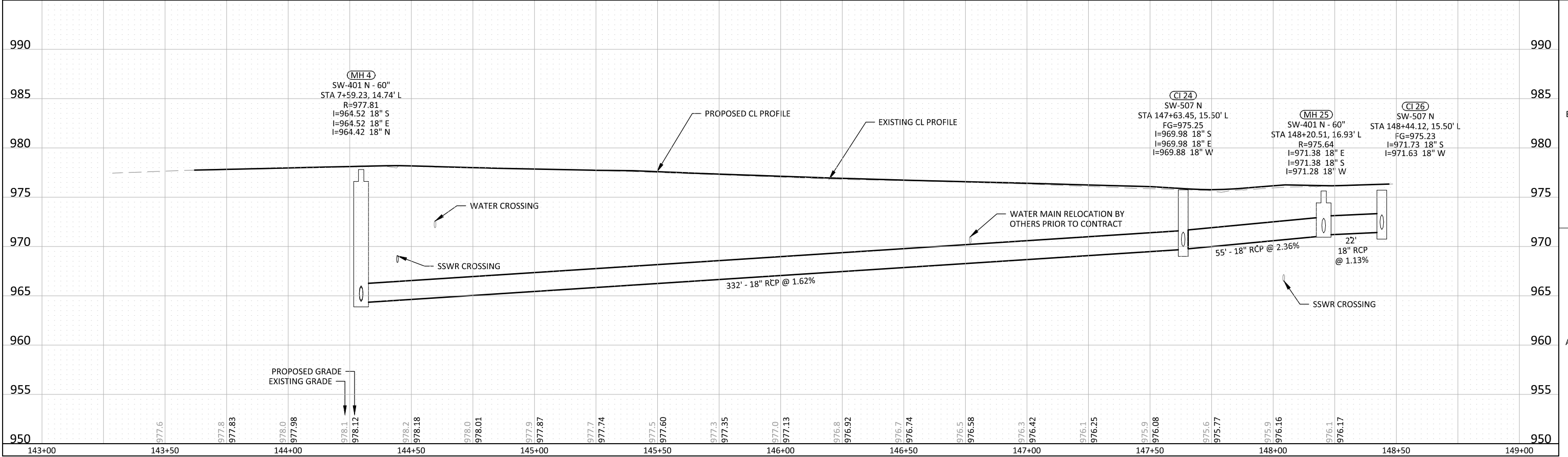
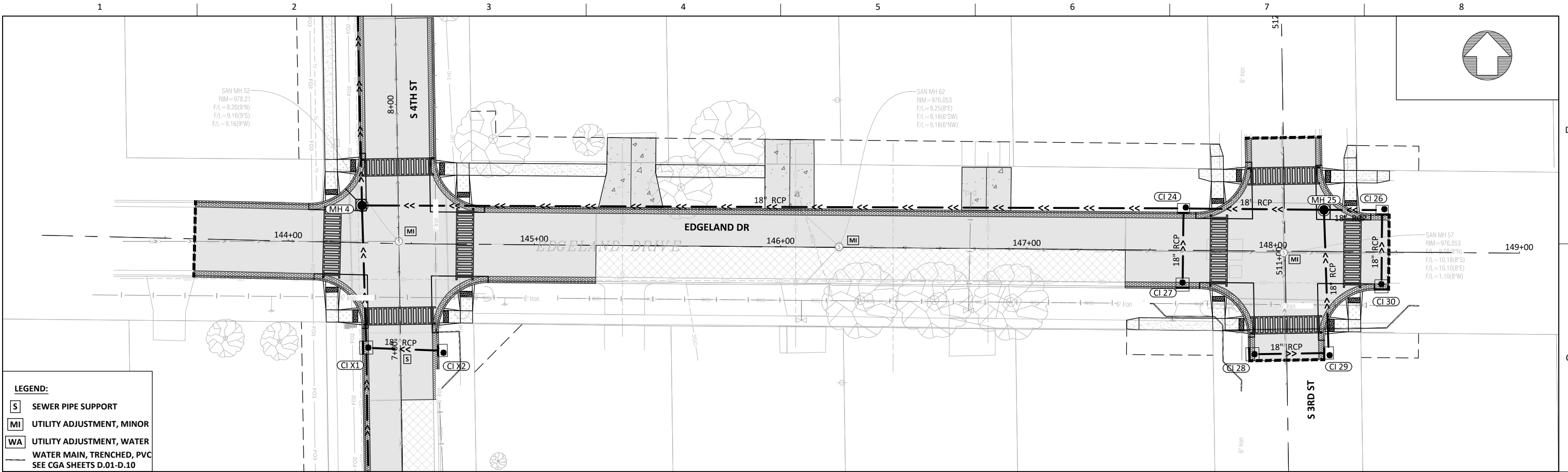
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

STORM SEWER PLAN AND PROFILES
MEADOW LN



FILENAME | M.1.DWG
SCALE | 1" = 40' HORZ : 1" = 10' VERT

SHEET
M.7



MARSHALLTOWN
IOWA

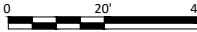


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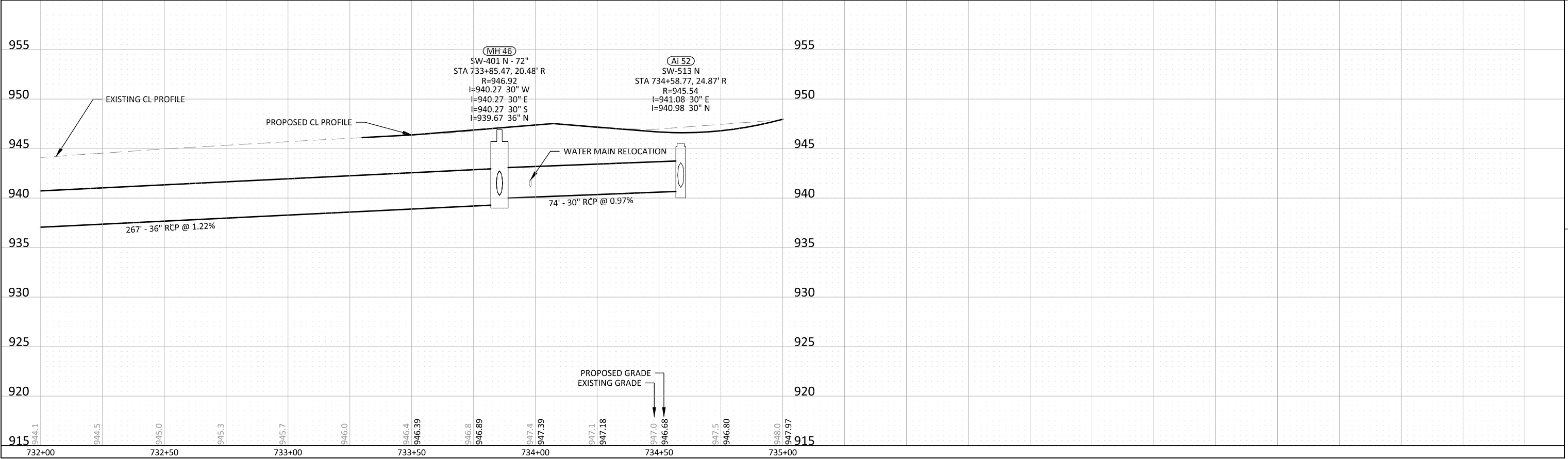
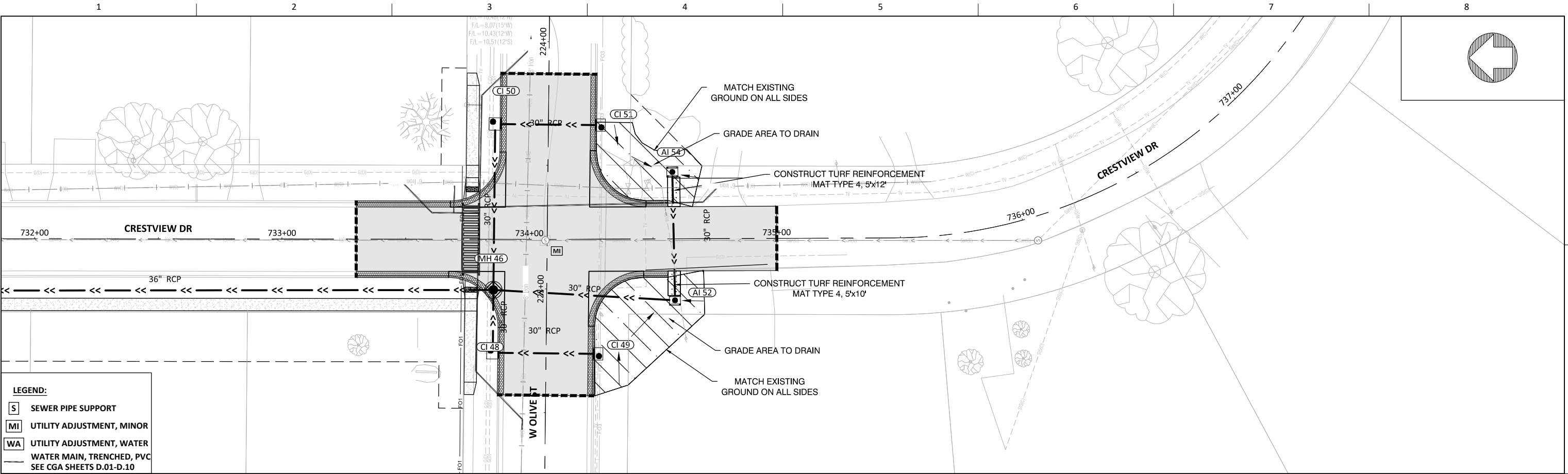
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

STORM SEWER PLAN AND PROFILES
EDGELAND DR



FILENAME | M.1.DWG
SCALE | 1" = 40' HORZ : 1" = 10' VERT

SHEET
M.8



ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	

4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

STORM SEWER PLAN AND PROFILES
CRESTVIEW DR

020'40'

1" = 40' HORZ : 1" = 10' VERT

FILENAME | M.1.DWG
SCALE |

SHEET
M.12

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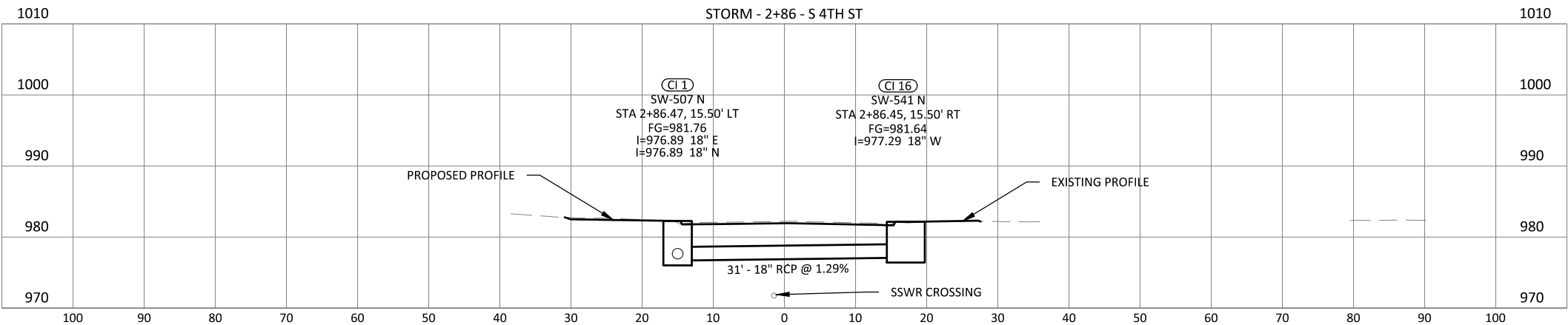
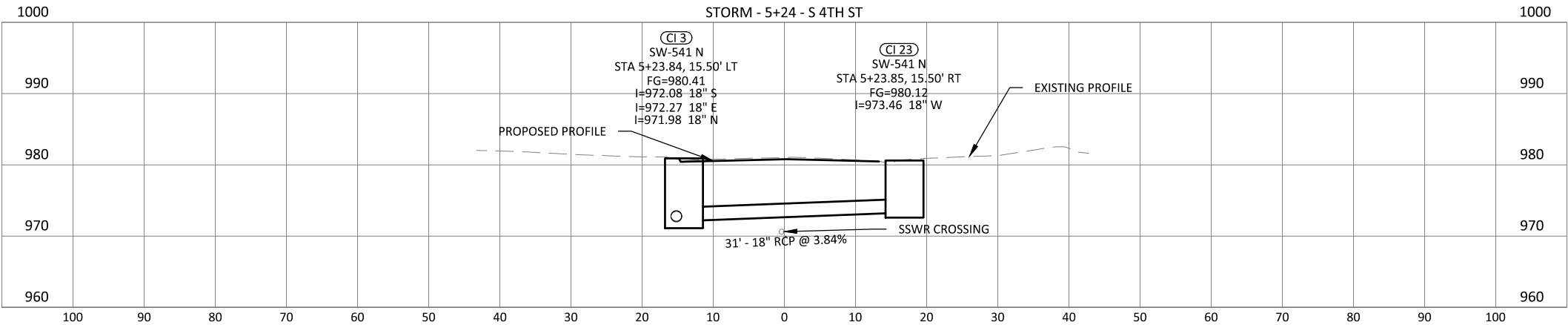
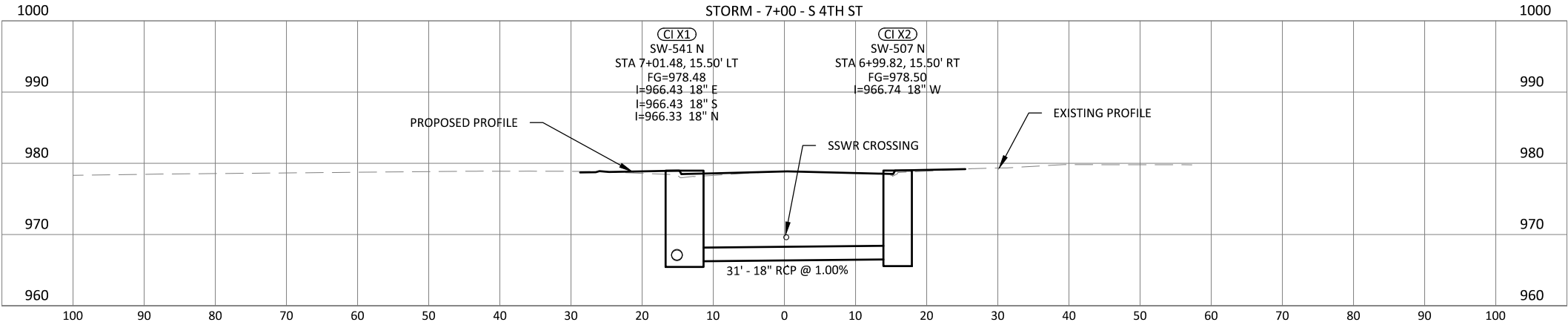
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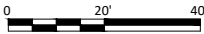
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ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	



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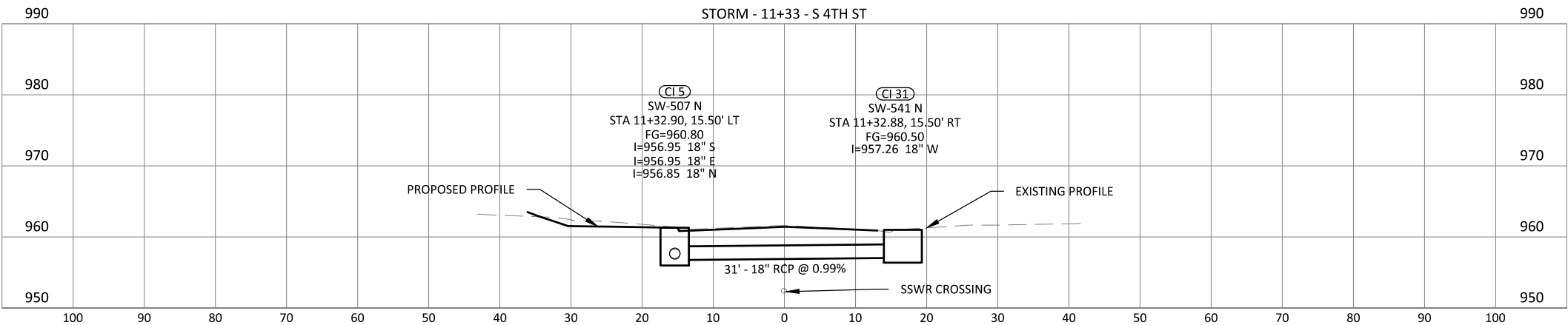
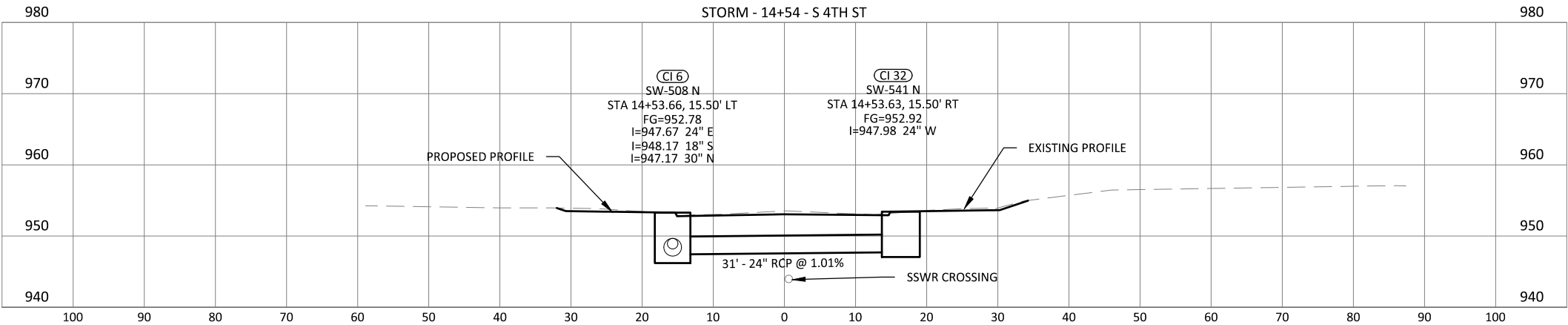
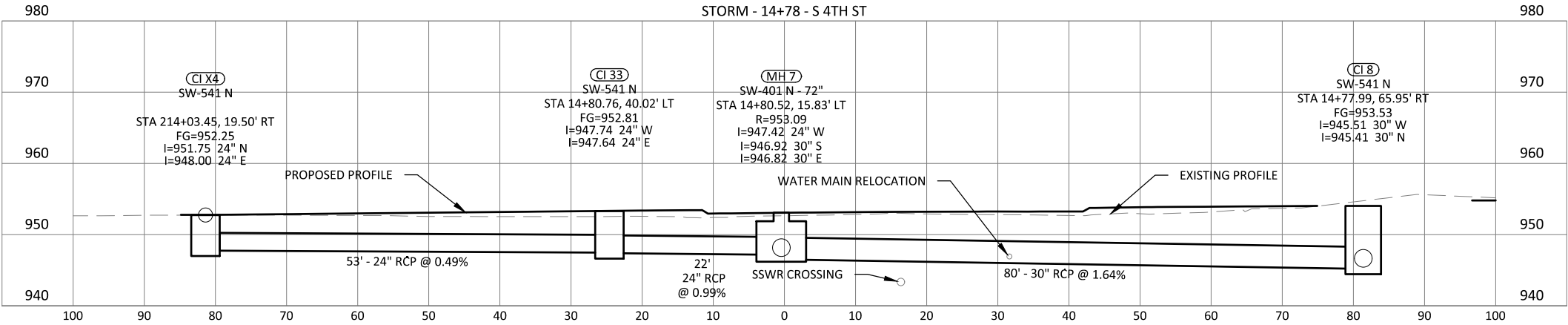
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ISSUE	DATE	DESCRIPTION
3		

PROJECT NUMBER

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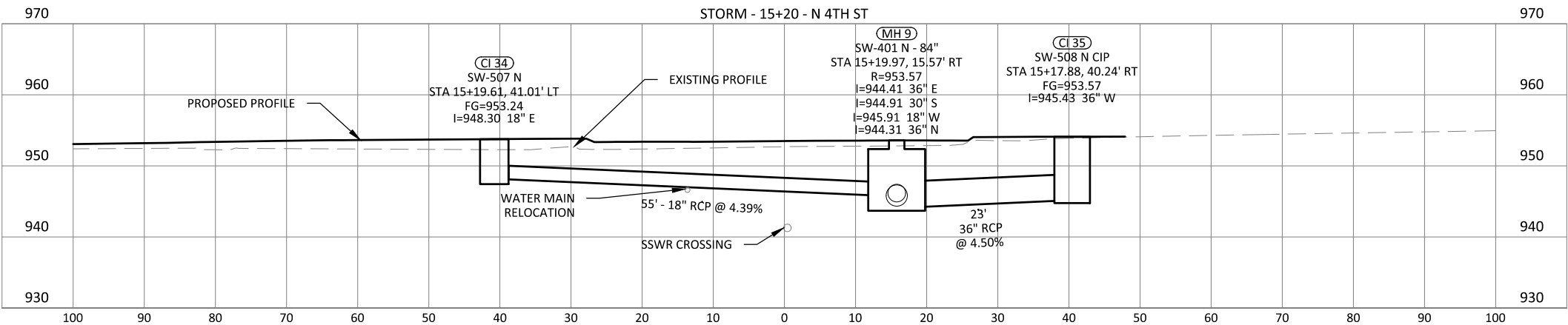
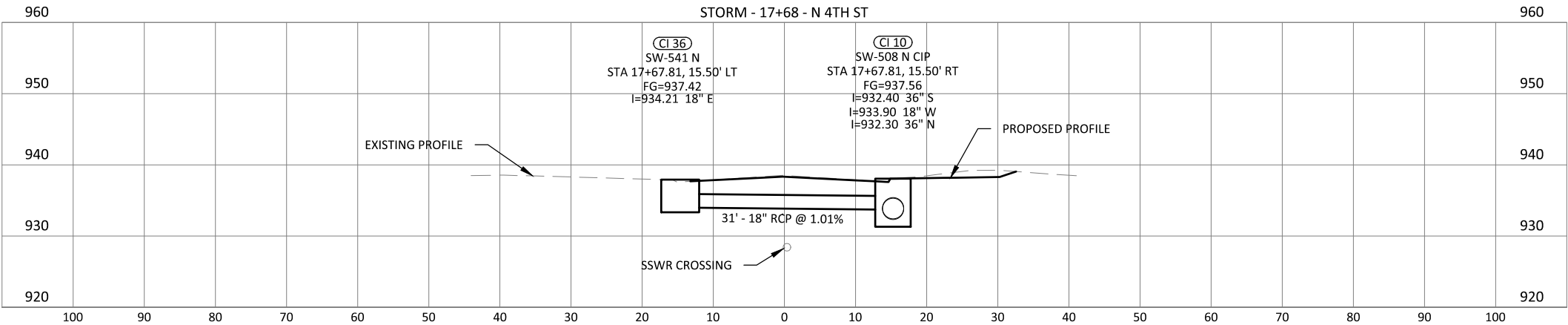
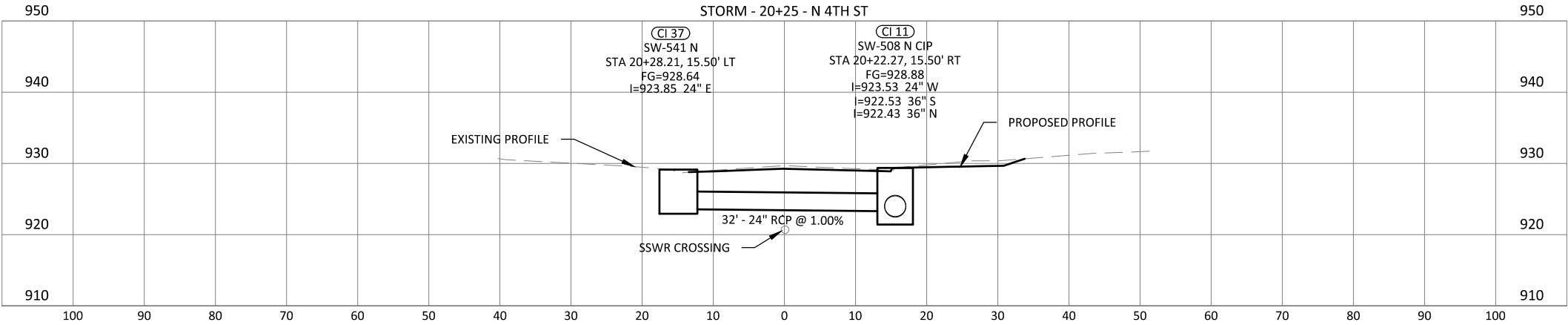
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ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	

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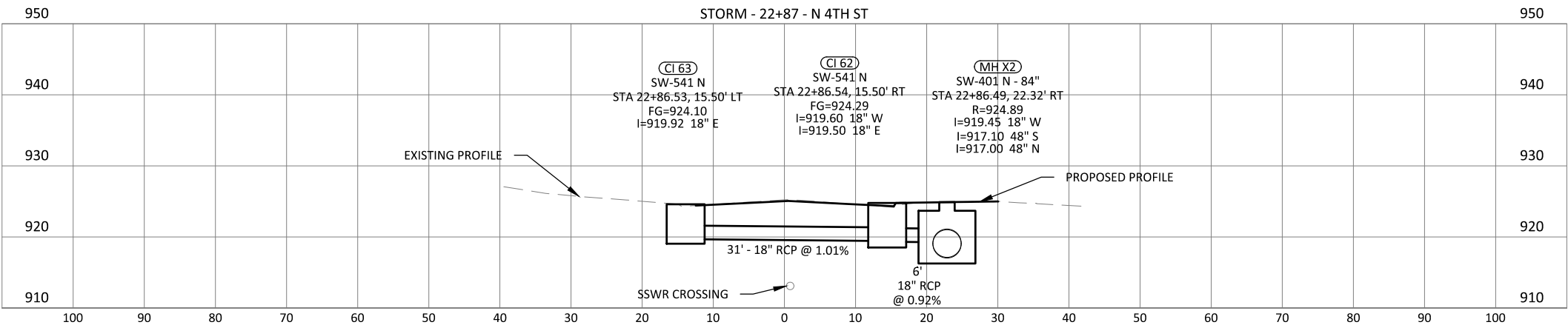
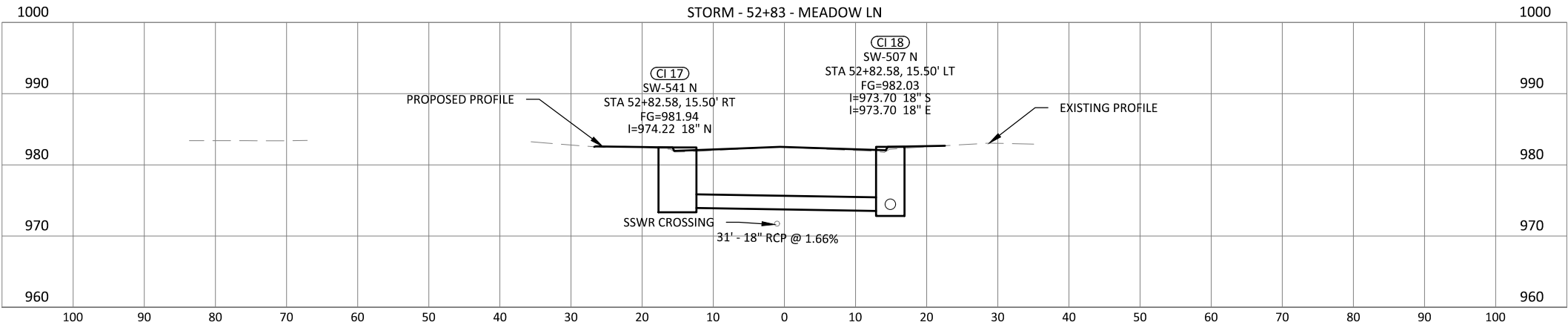
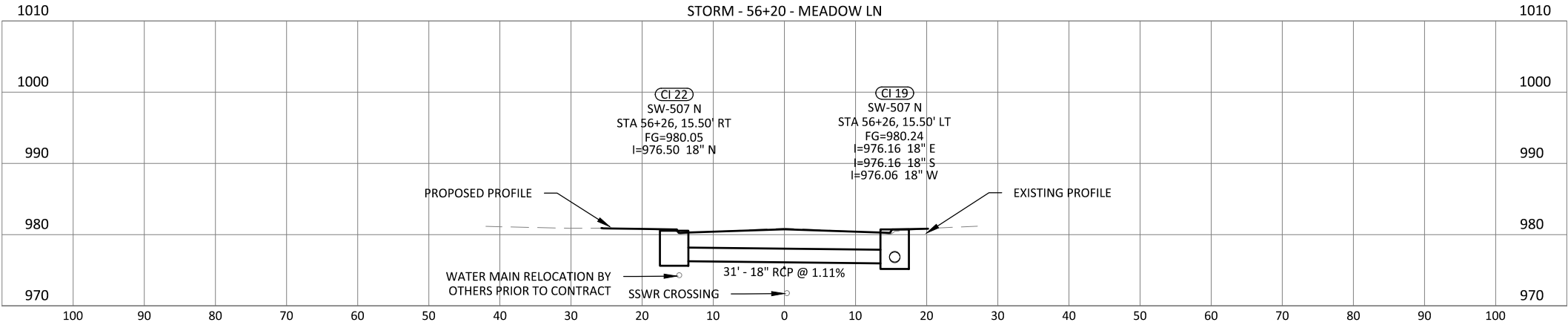
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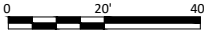
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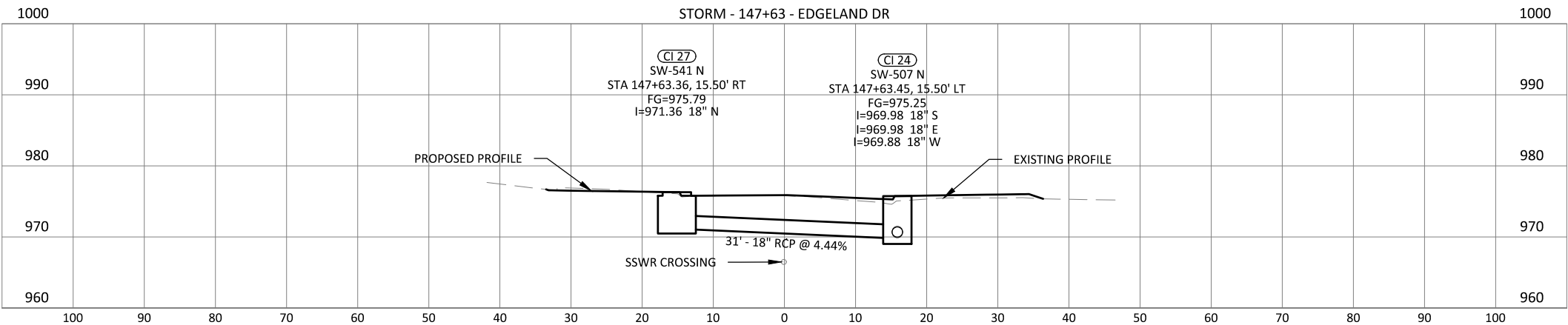
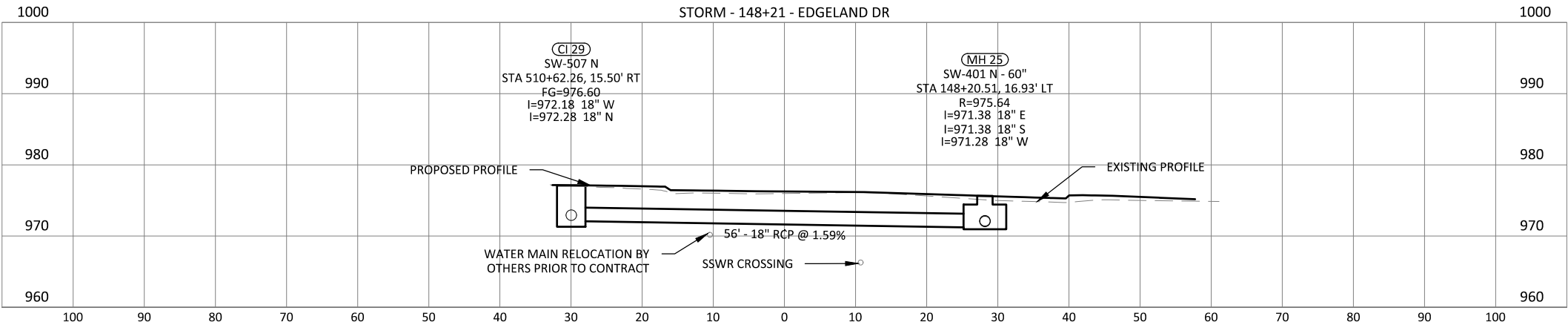
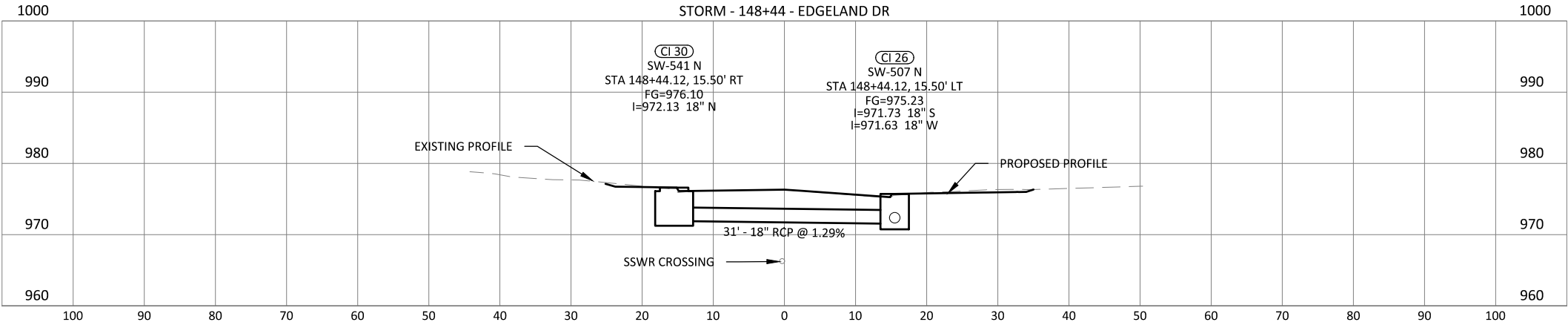
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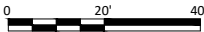
PROJECT NUMBER	





ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	



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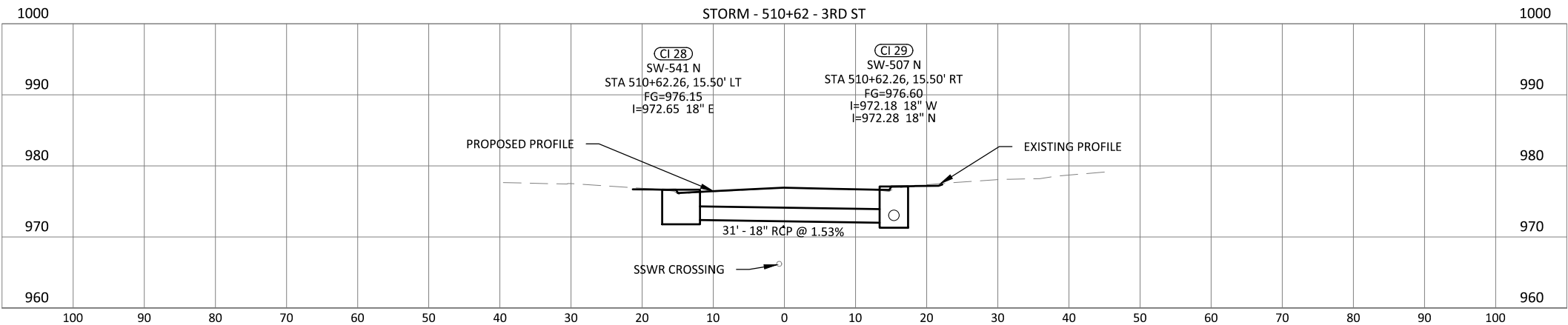
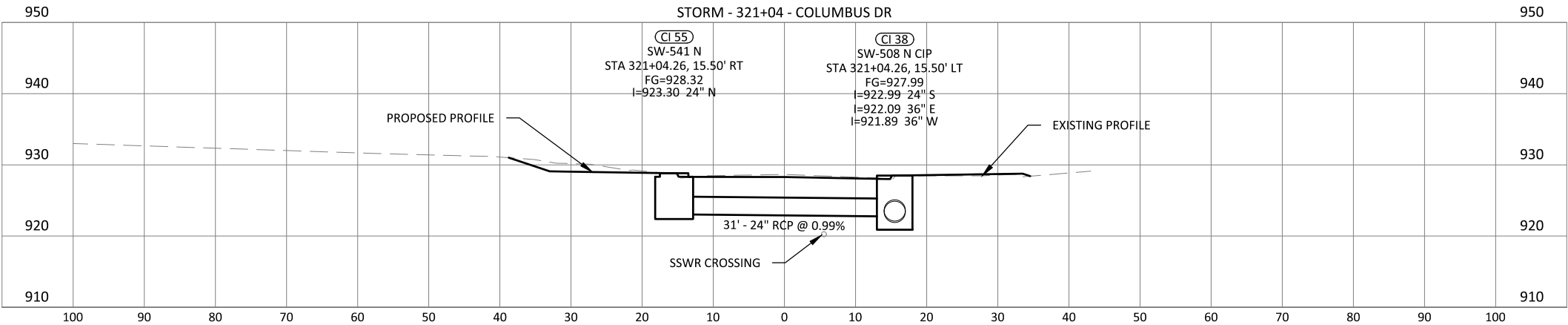
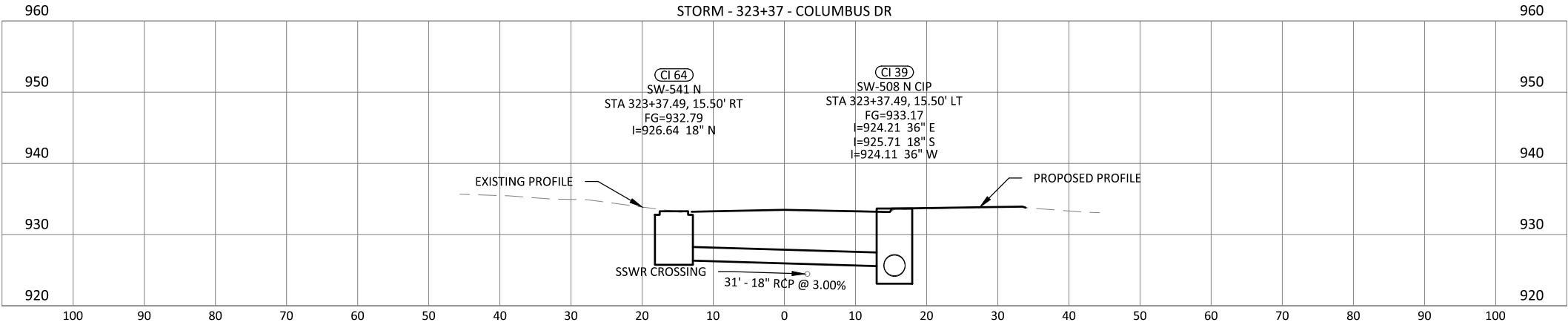
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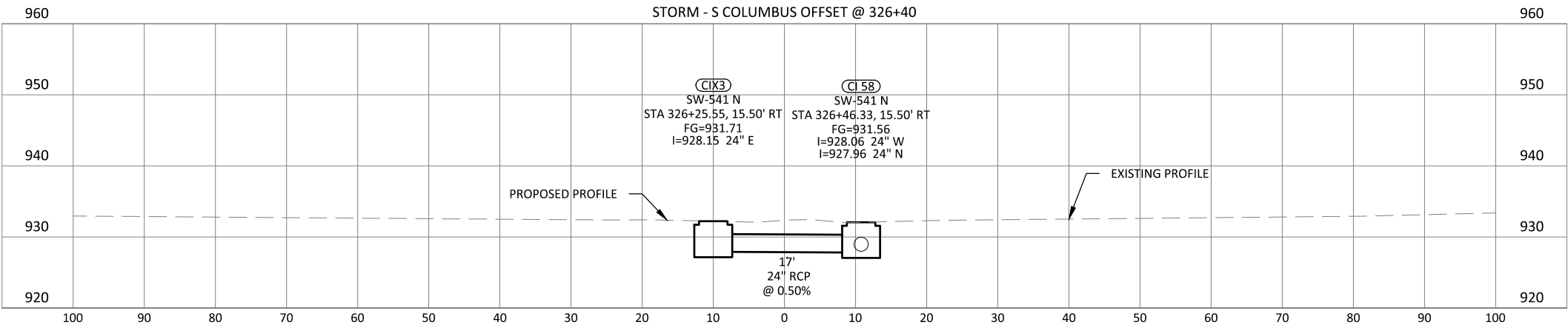
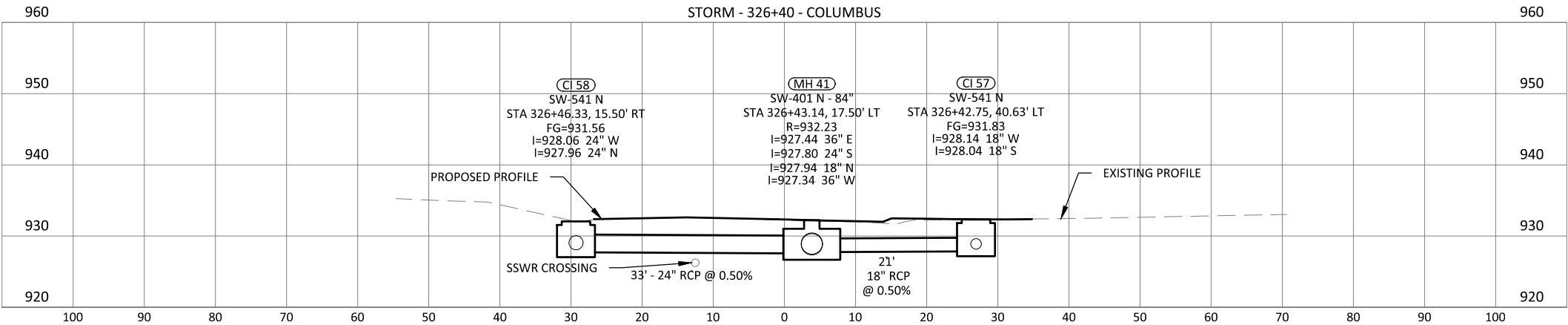
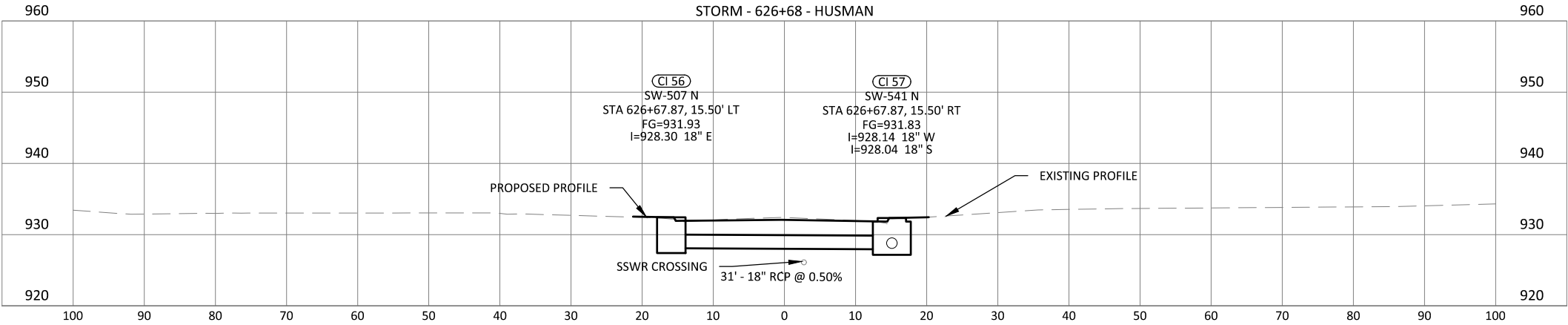
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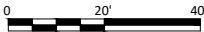
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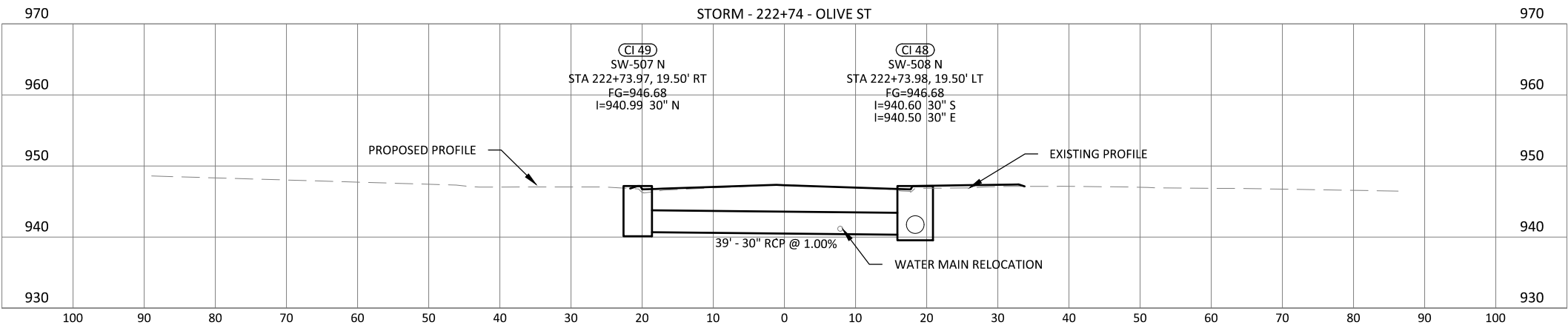
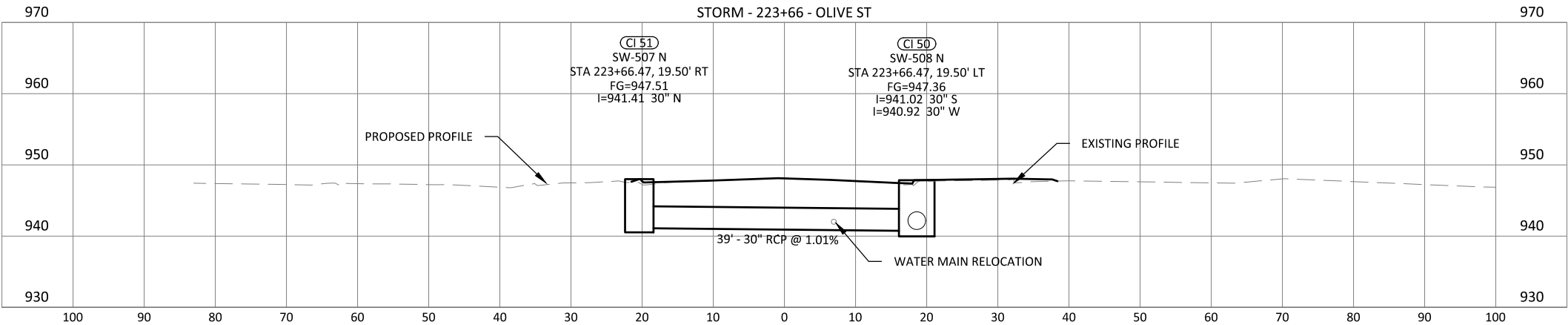
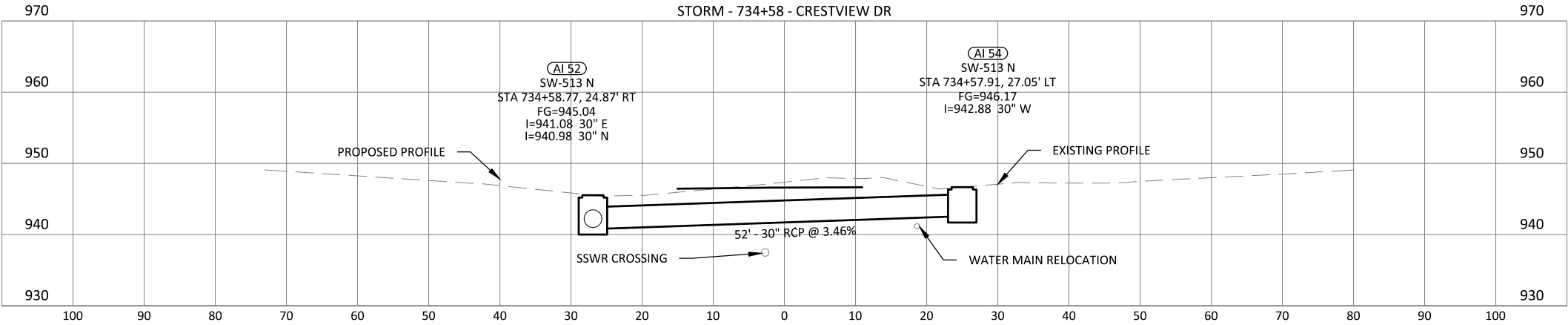
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ISSUE	DATE	DESCRIPTION

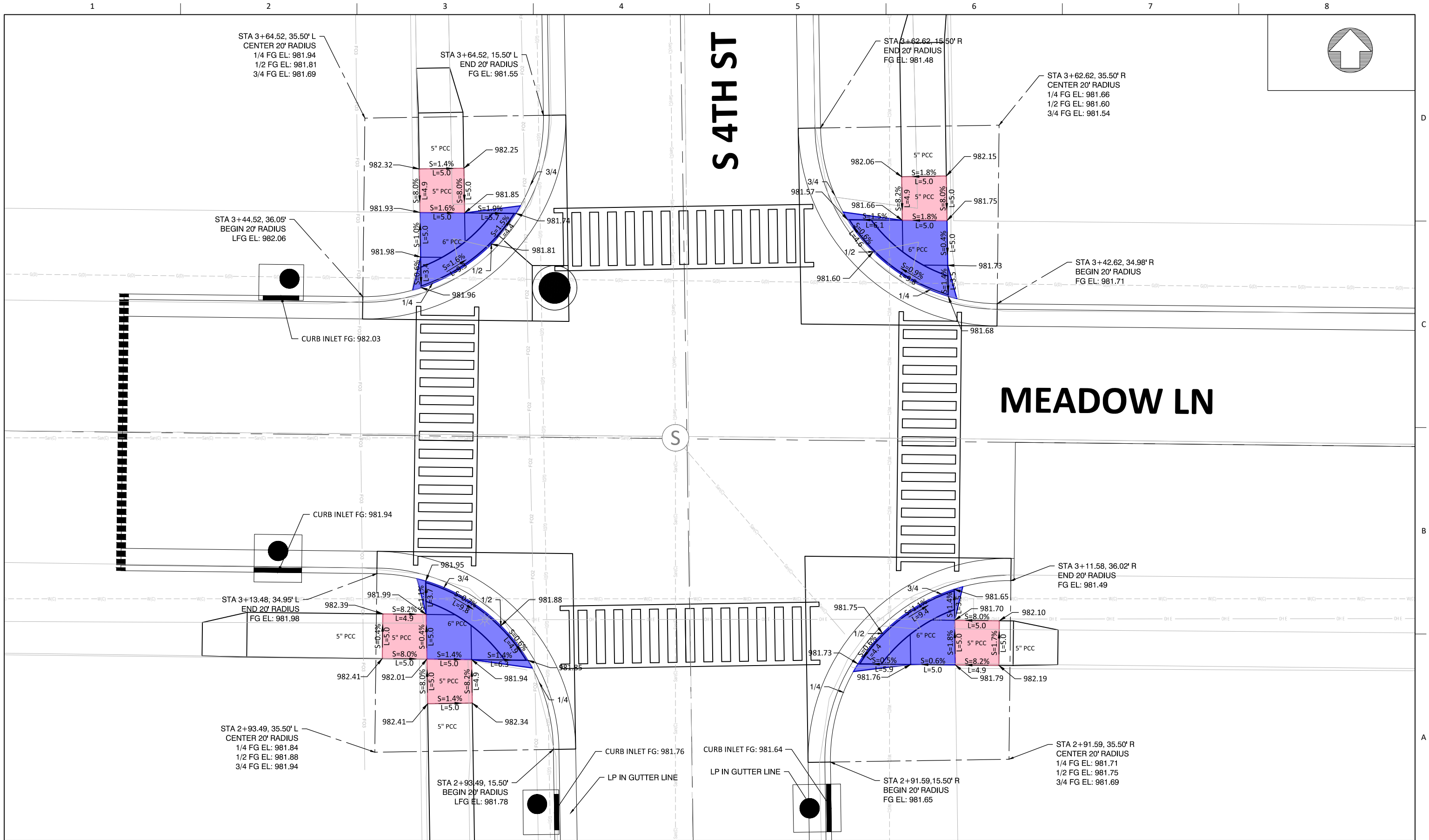
PROJECT NUMBER	





ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	



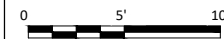
MARSHALLTOWN
IOWA



ISSUE			PROJECT NUMBER
DATE	DESCRIPTION		

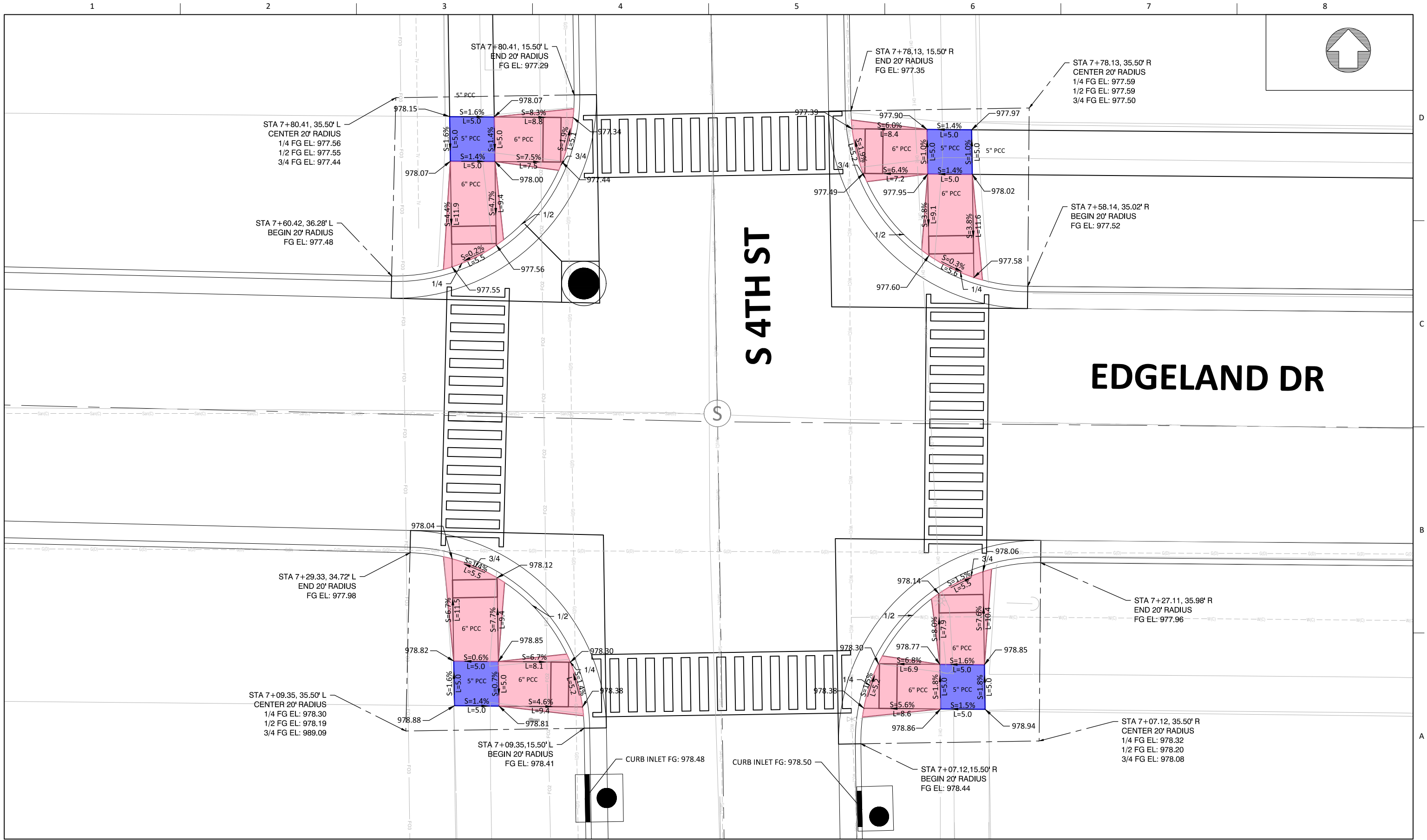
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

PEDESTRIAN RAMP DETAILS
MEADOW LN & S 4TH ST



FILENAME | S.1.DWG
SCALE | 1" = 10'

SHEET
S.1



MARSHALLTOWN
IOWA

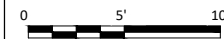


ISSUE	DATE	DESCRIPTION

PROJECT NUMBER

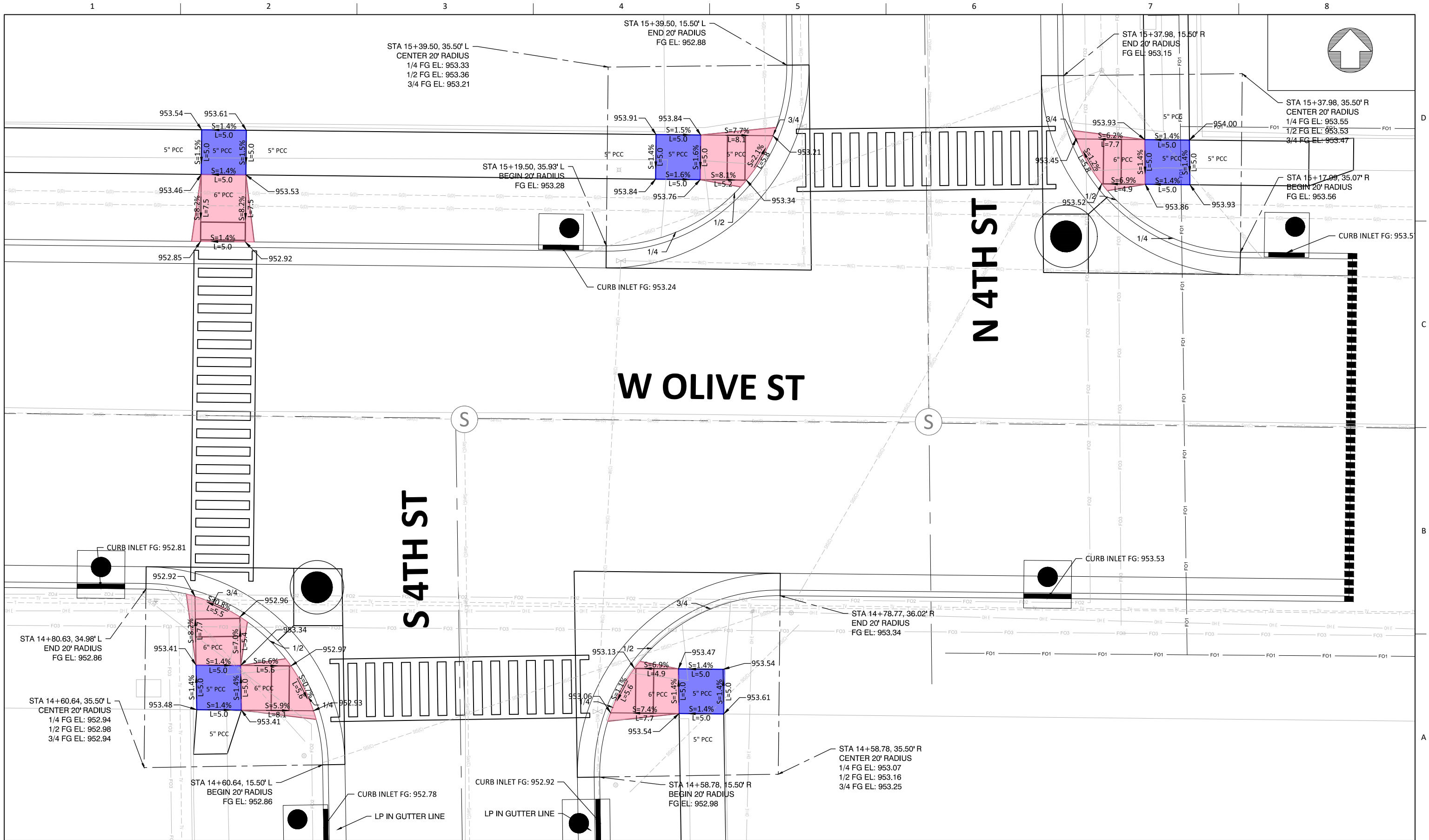
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

PEDESTRIAN RAMP DETAILS
EDGELAND DR & S 4TH ST



FILENAME S.1.DWG
SCALE 1" = 10'

SHEET
S.2



MARSHALLTOWN
IOWA

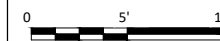


ISSUE	DATE	DESCRIPTION

PROJECT NUMBER

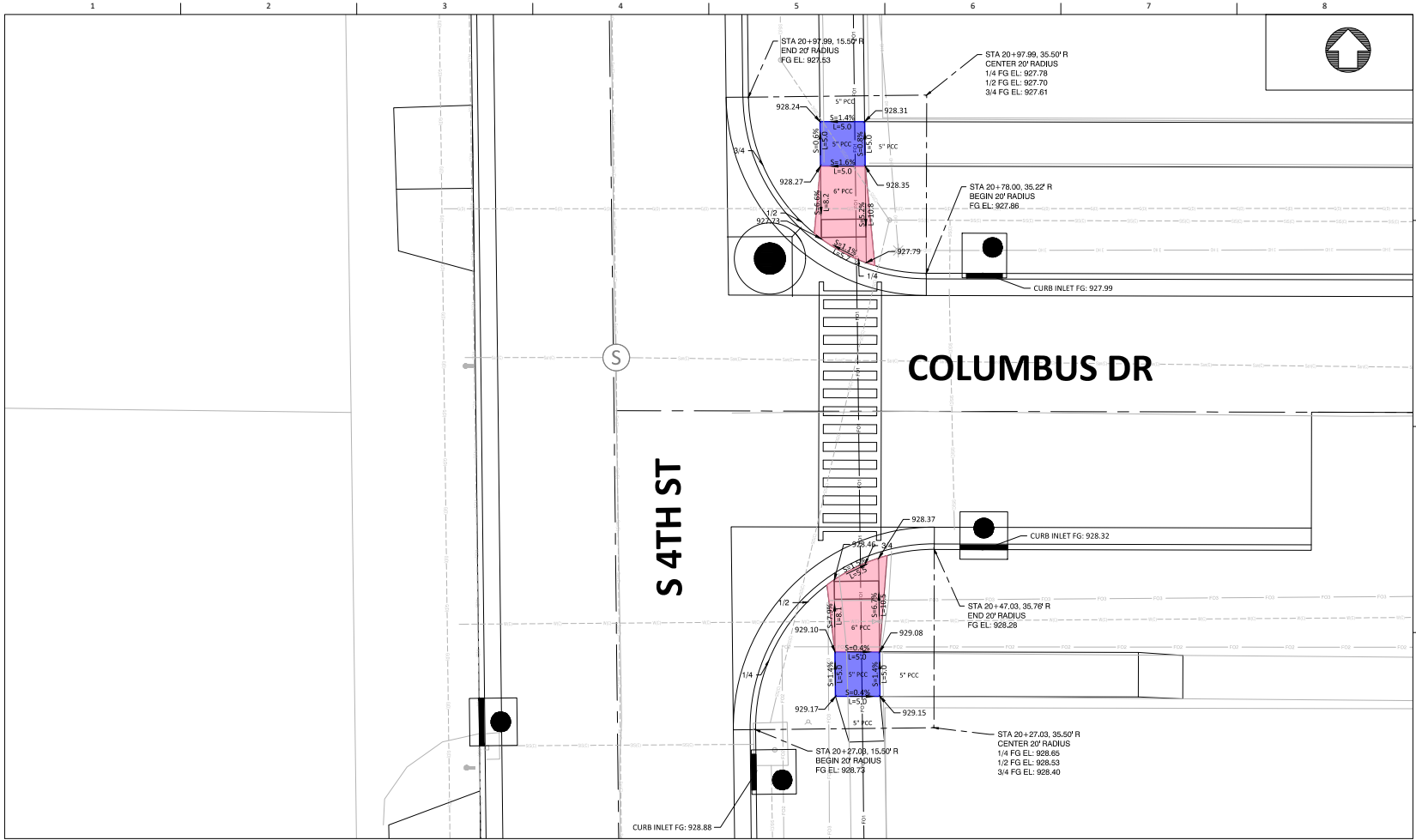
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

PEDESTRIAN RAMP DETAILS
W OLIVE ST & S 4TH ST



FILENAME | S.1.DWG
SCALE | 1" = 10'

SHEET
S.3



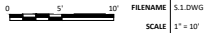
MARSHALLTOWN
IOWA



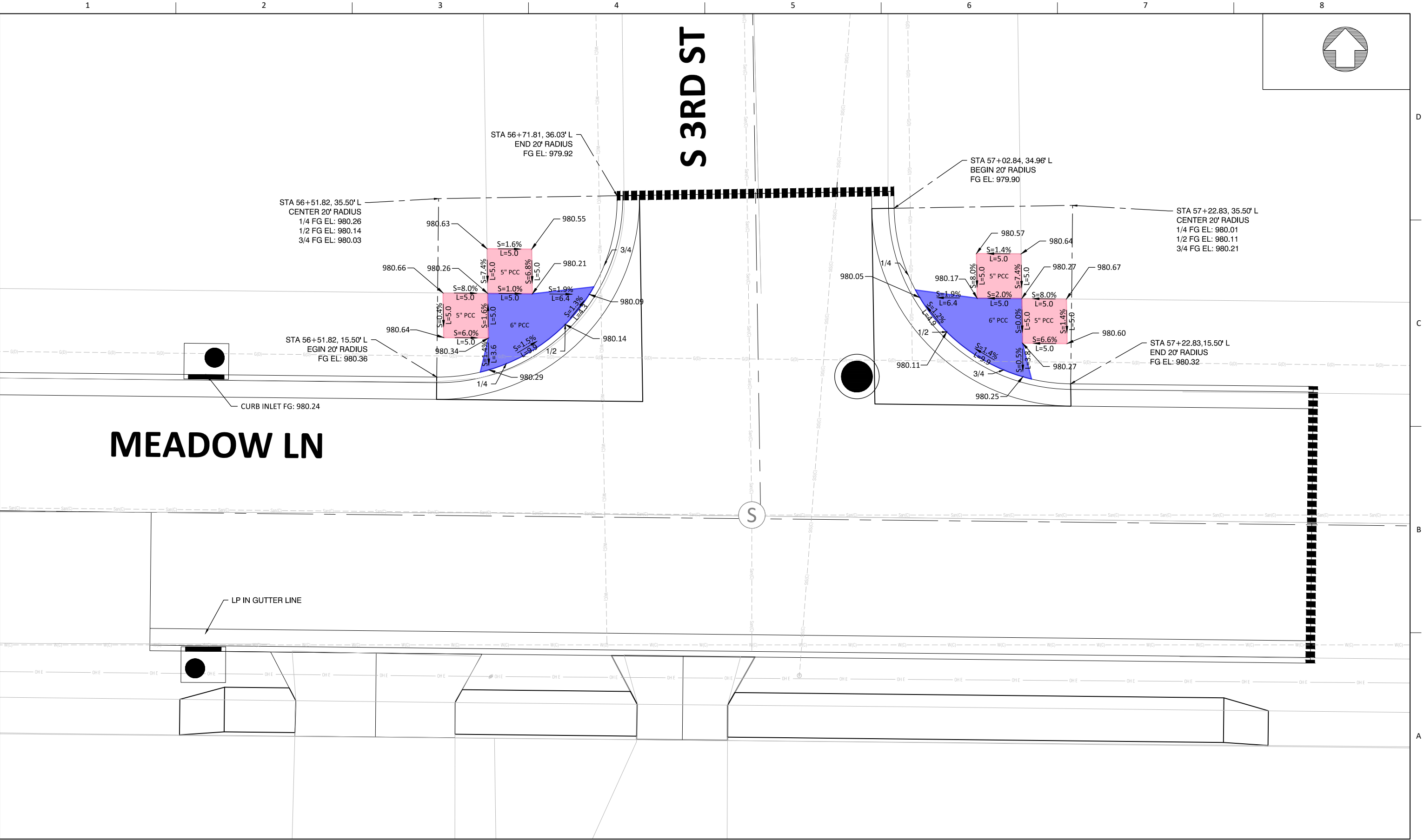
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	

4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

PEDESTRIAN RAMP DETAILS
COLUMBUS DR & S 4TH ST



SHEET
S.4



MARSHALLTOWN
IOWA

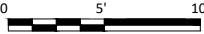


ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	

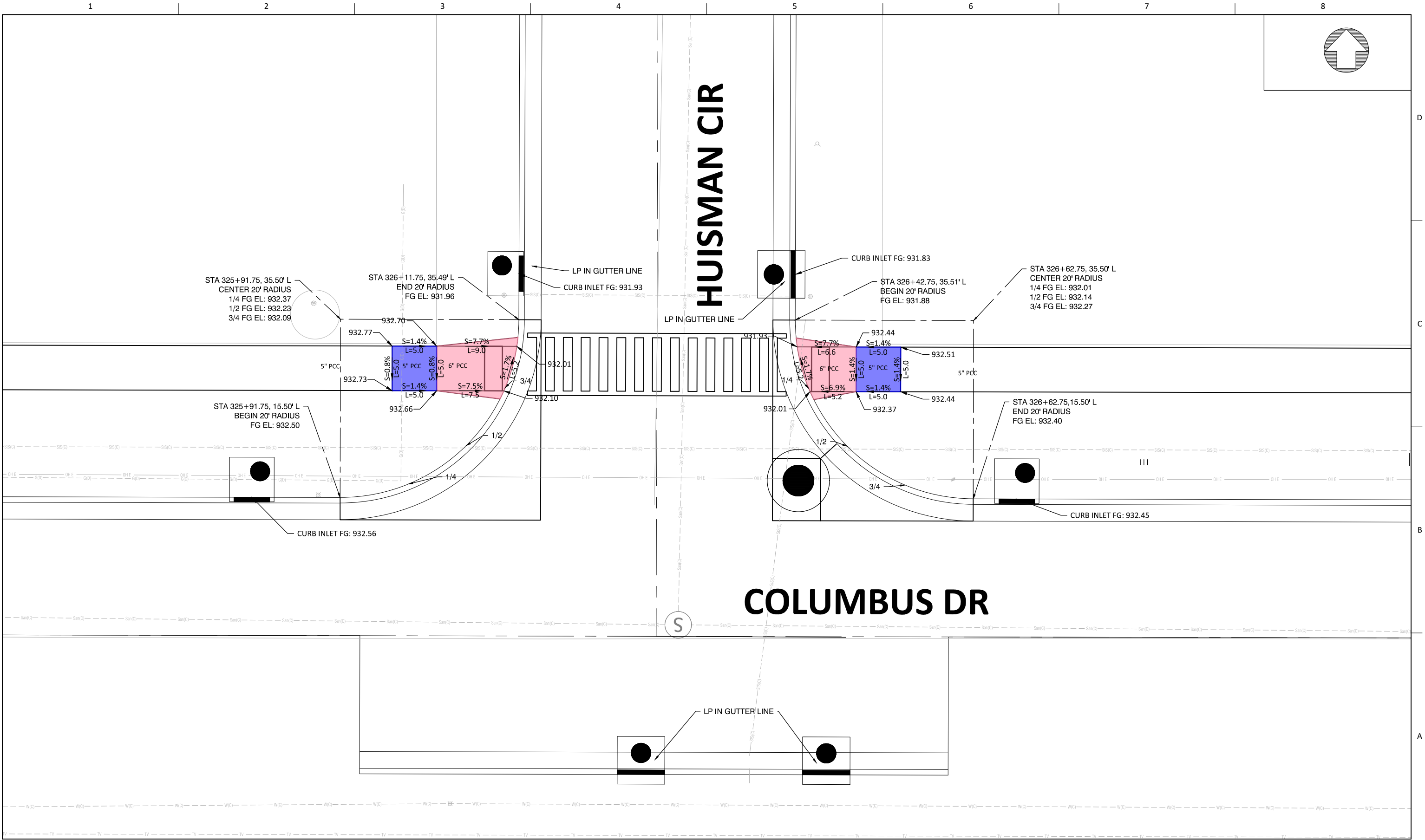
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

PEDESTRIAN RAMP DETAILS
MEADOW LN & S 3RD ST



FILENAME | S.1.DWG
SCALE | 1" = 10'

SHEET
S.5



MARSHALLTOWN
IOWA

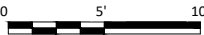


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PROJECT NUMBER

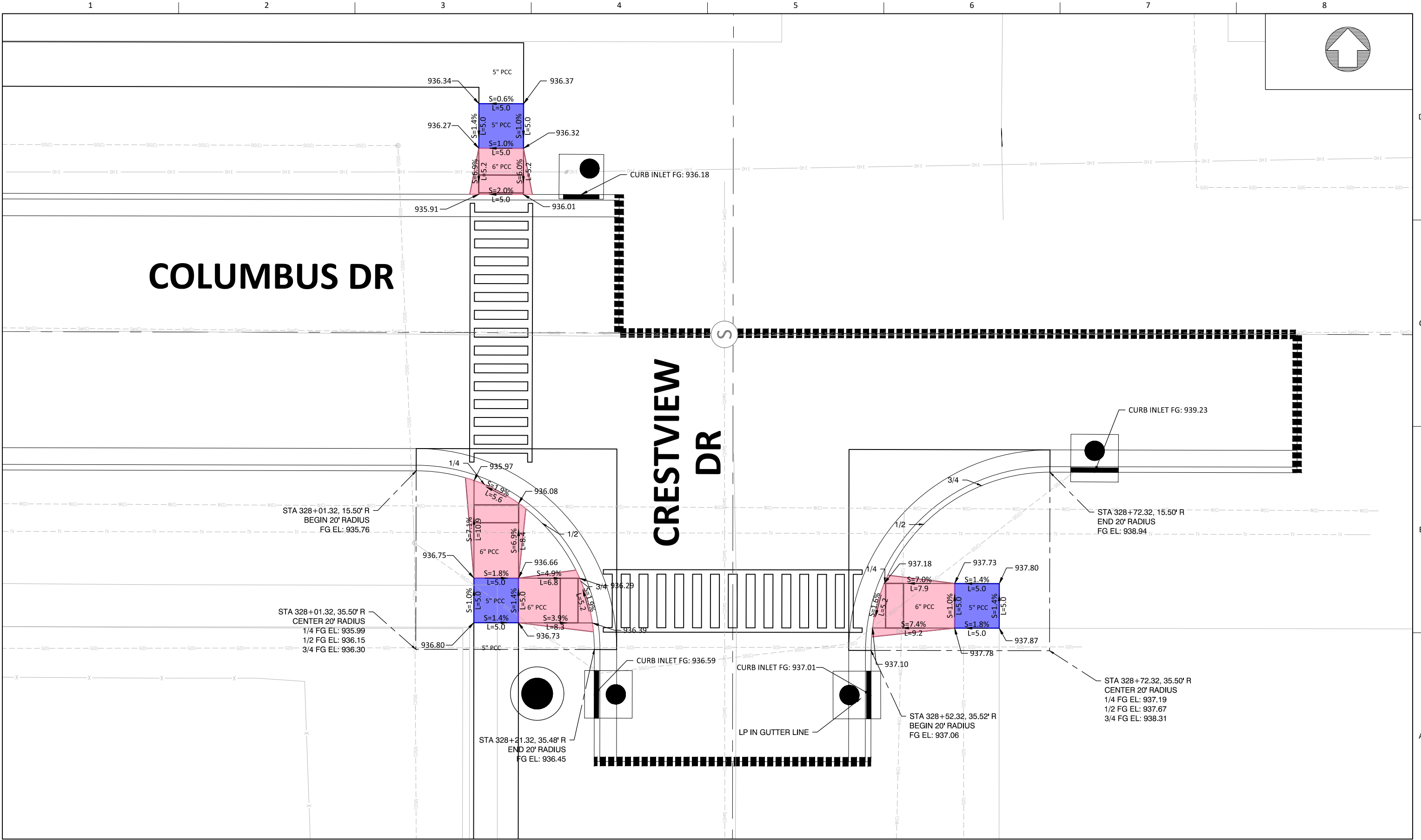
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

PEDESTRIAN RAMP DETAILS
COLUMBUS DR & HUISMAN CIR



FILENAME | S.1.DWG
SCALE | 1" = 10'

SHEET
S.8



MARSHALLTOWN
IOWA

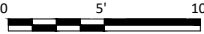


ISSUE	DATE	DESCRIPTION

PROJECT NUMBER

4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

PEDESTRIAN RAMP DETAILS
COLUMBUS DR & CRESTVIEW DR



FILENAME | S.1.DWG
SCALE | 1" = 10'

SHEET
S.9

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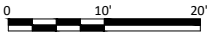
MARSHALLTOWN
IOWA



ISSUE	DATE	DESCRIPTION
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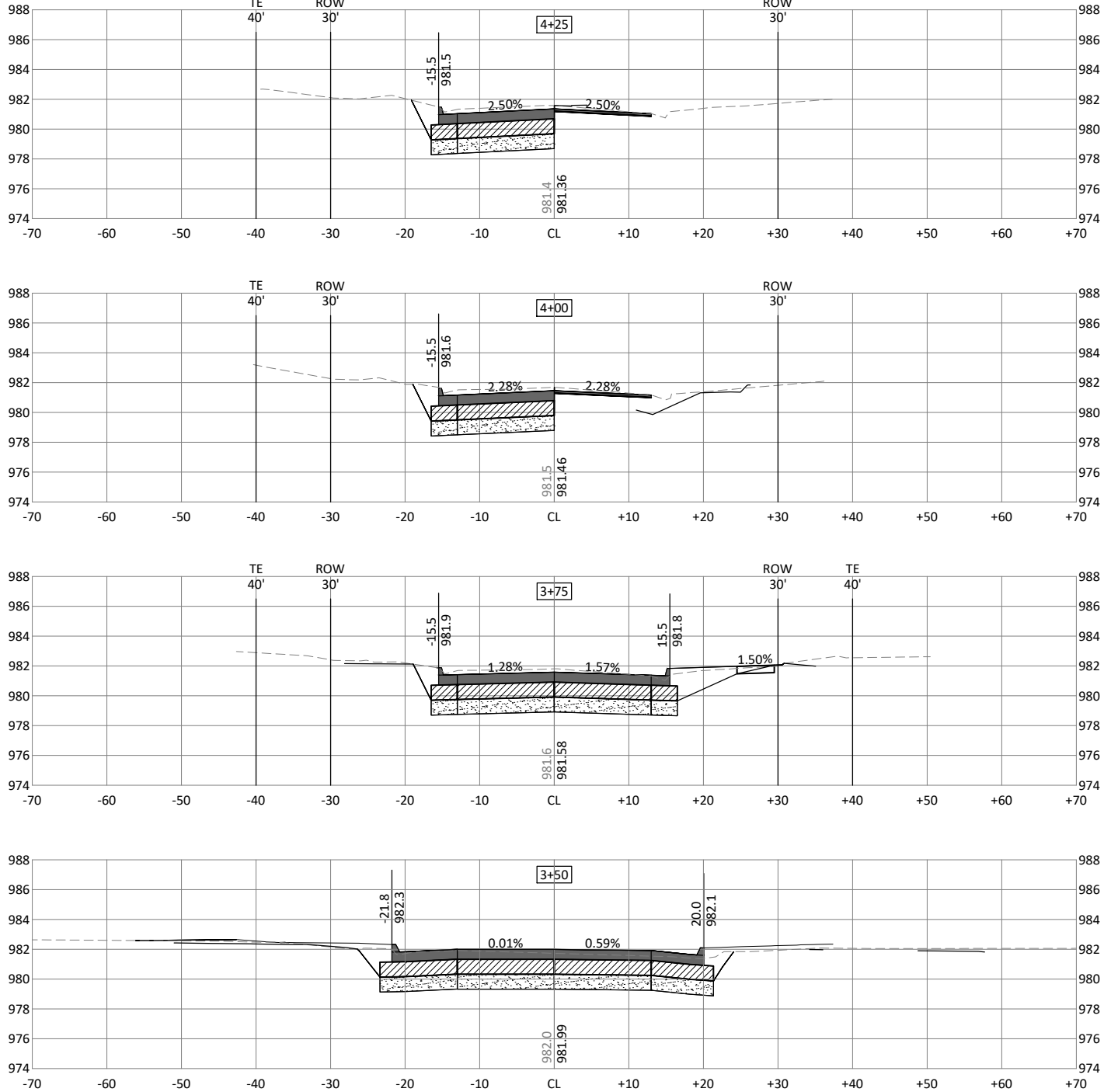
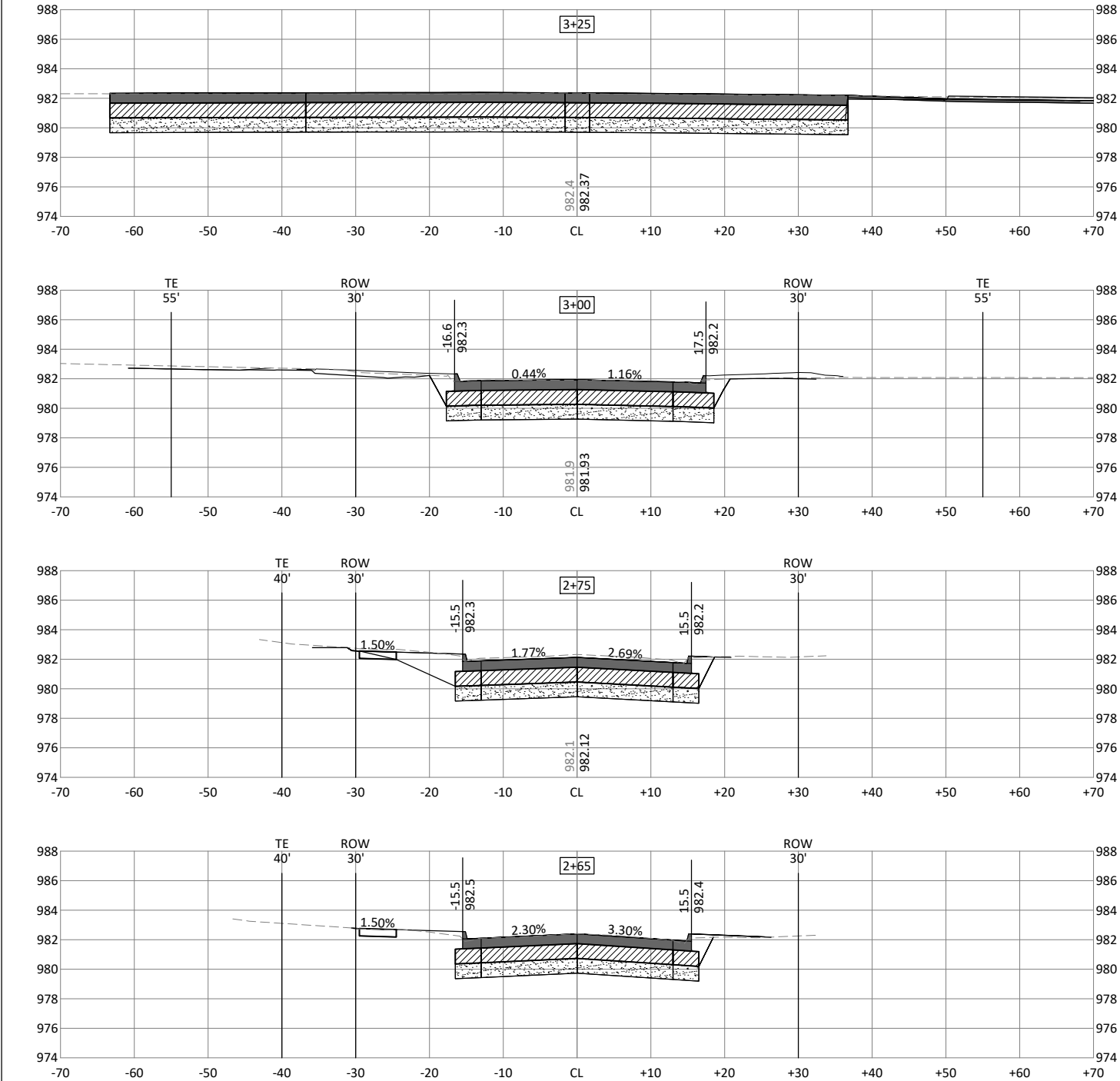
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

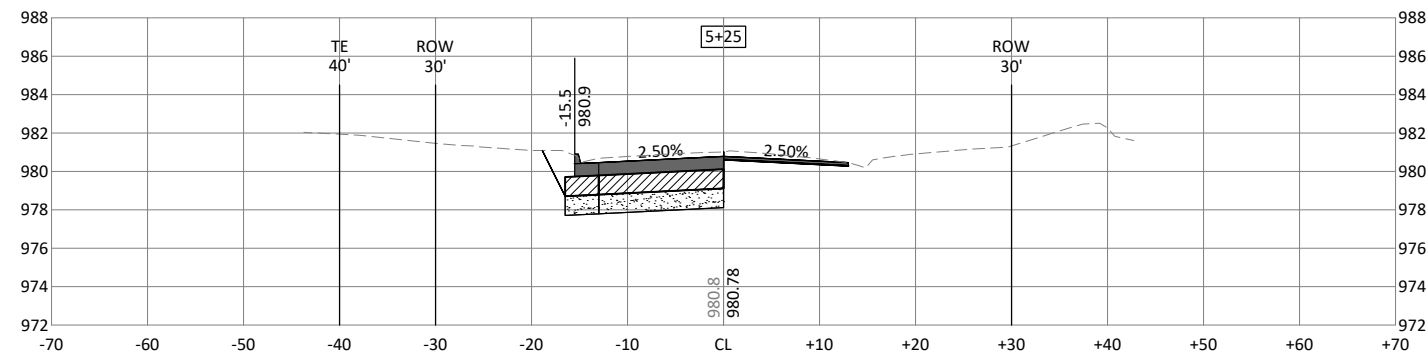
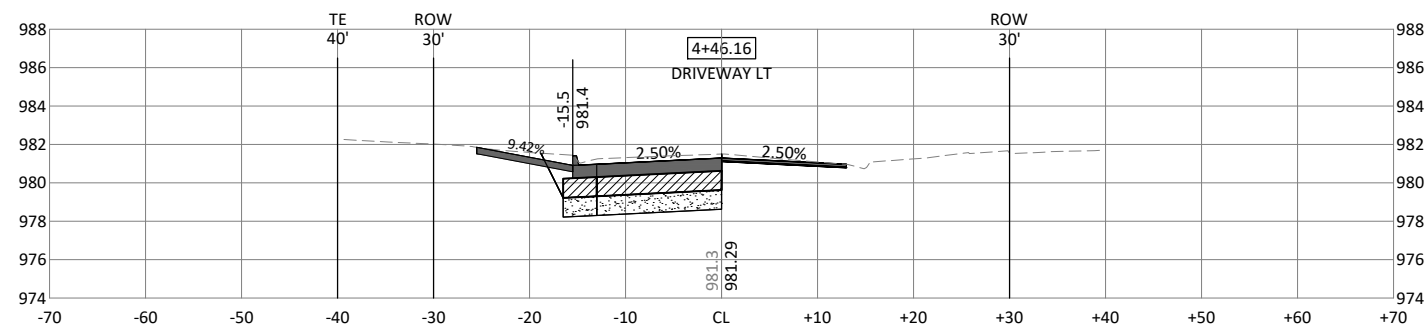
ROADWAY CROSS SECTIONS
S 4TH STREET



FILENAME	10076153_C_GRAD_N1.DWG
SCALE	NA

SHEET
W.1

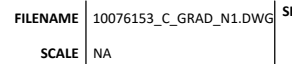




HDR

ISSUE	DATE	DESCRIPTION

ROADWAY CROSS SECTIONS S 4TH STREET



W.2

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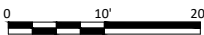
MARSHALLTOWN
IOWA



ISSUE	DATE	DESCRIPTION
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4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

ROADWAY CROSS SECTIONS
S 4TH STREET

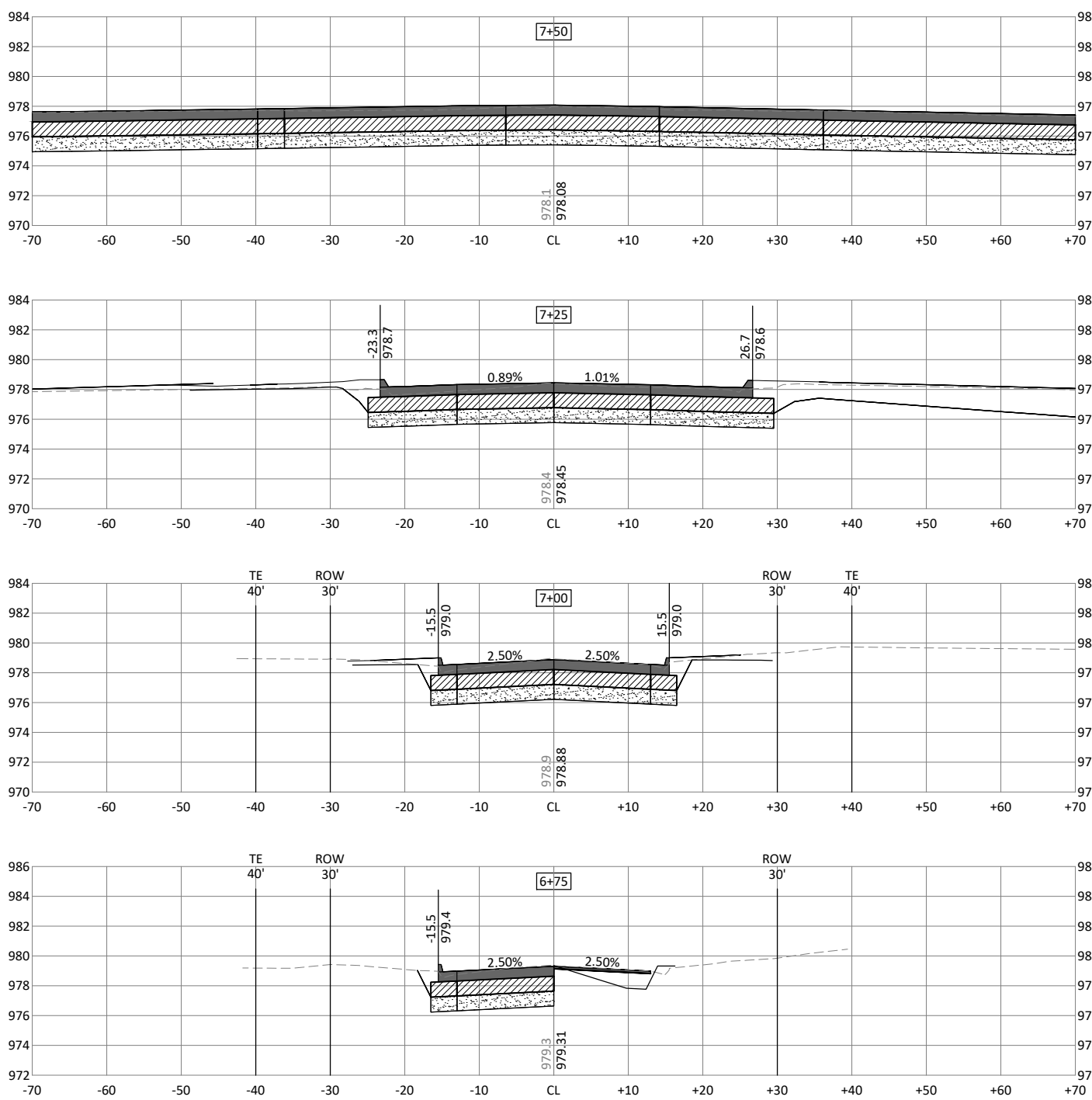
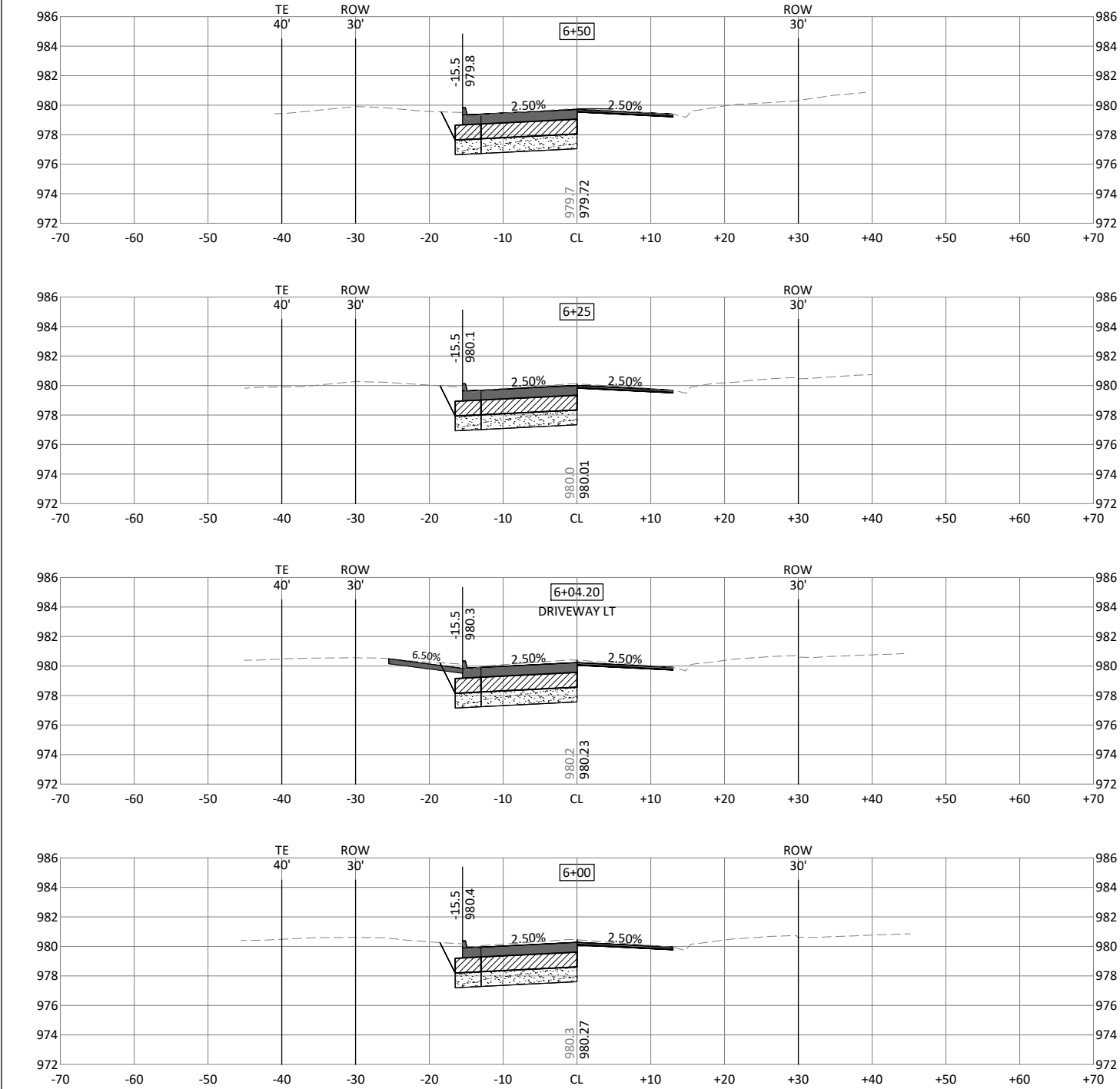


FILENAME
SCALE

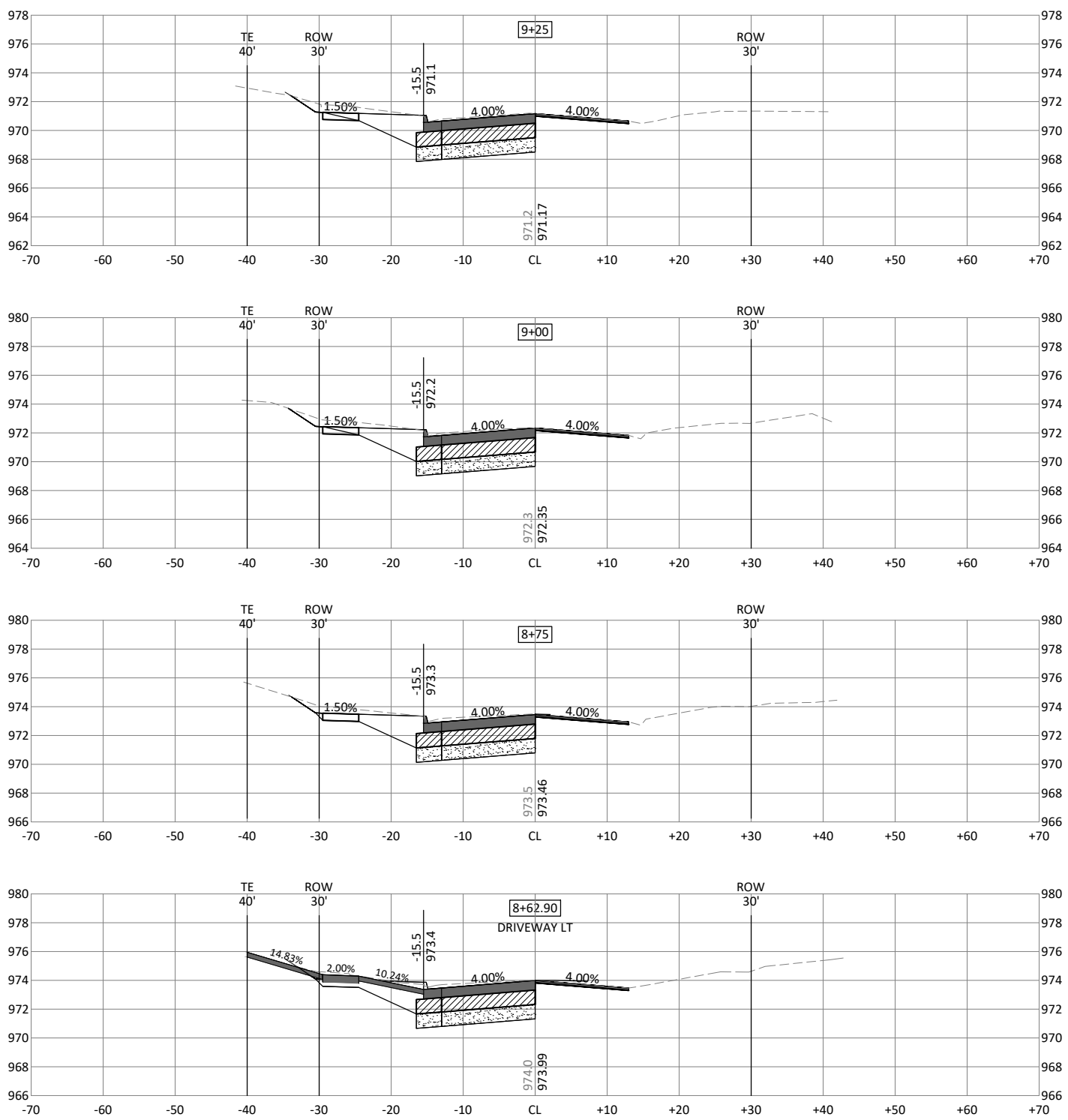
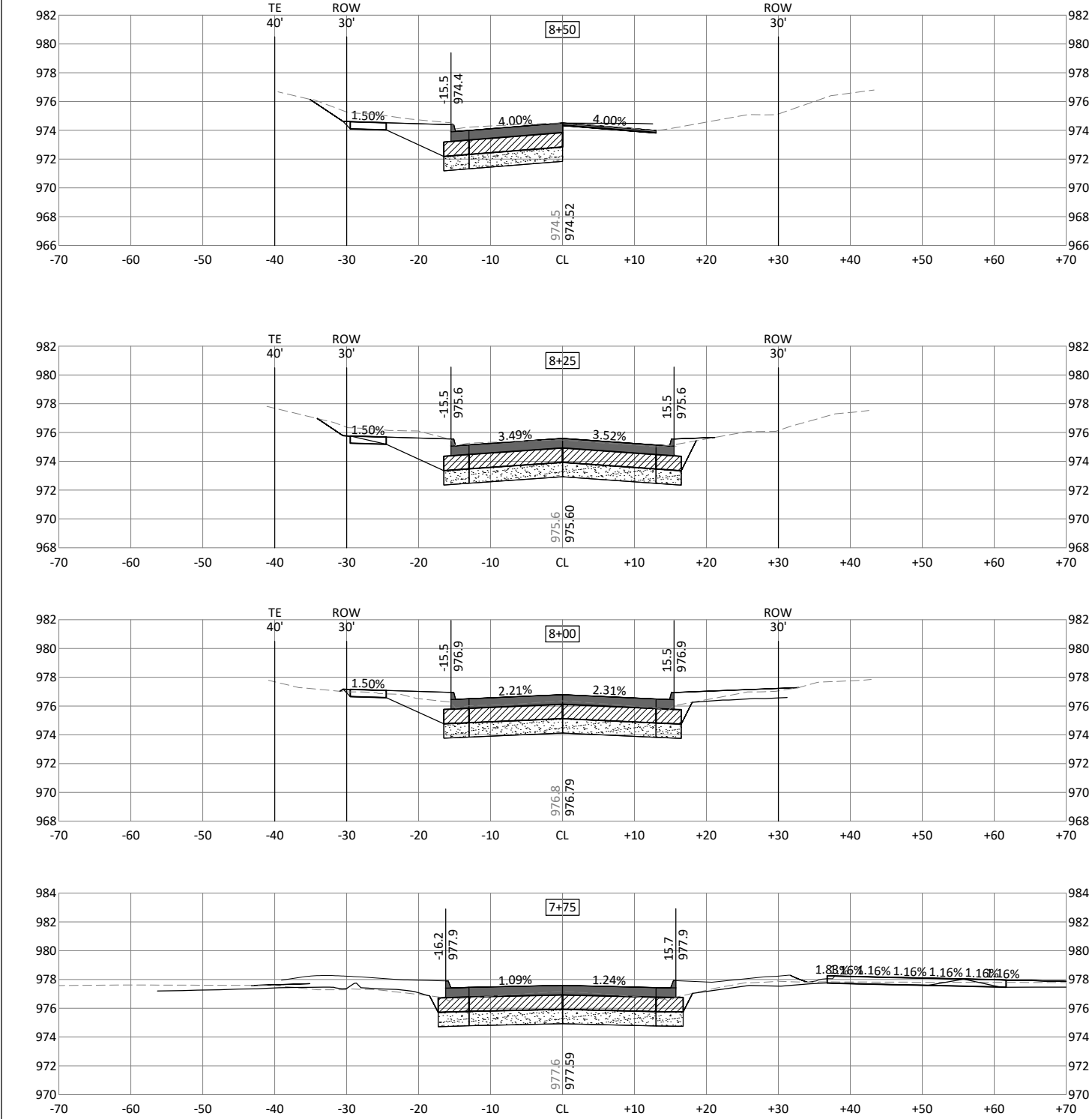
10076153_C_GRAD_N1.DWG
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SHEET

W.3



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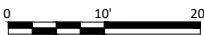
MARSHALLTOWN
IOWA



ISSUE	DATE	DESCRIPTION

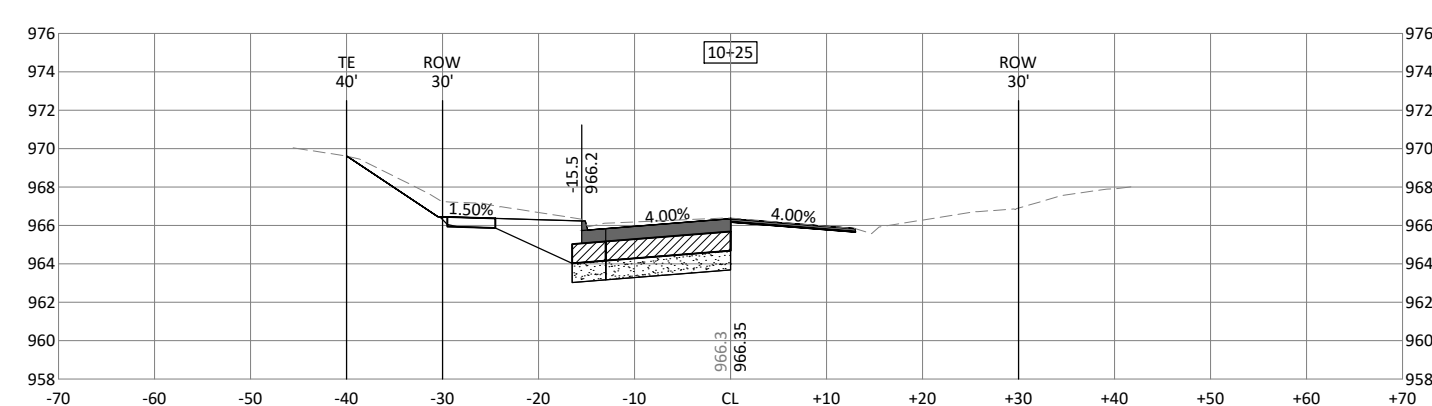
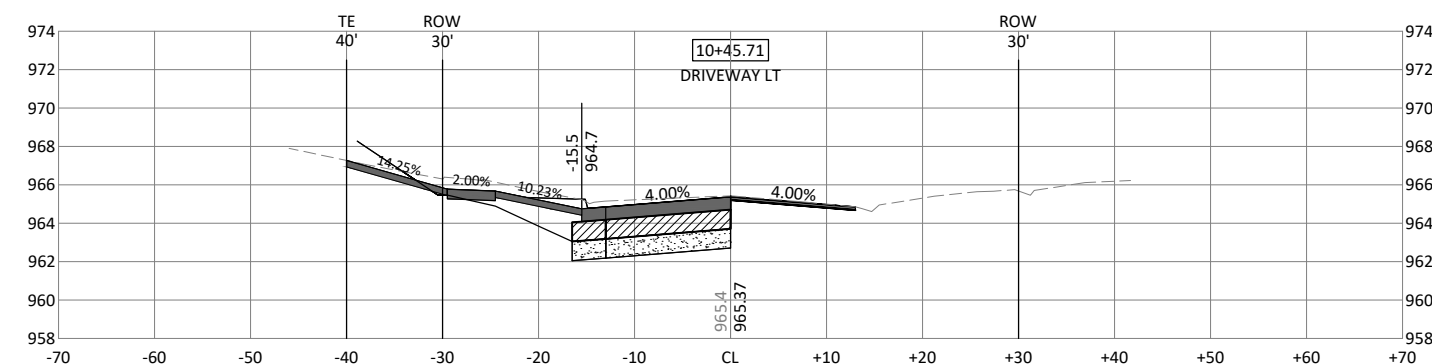
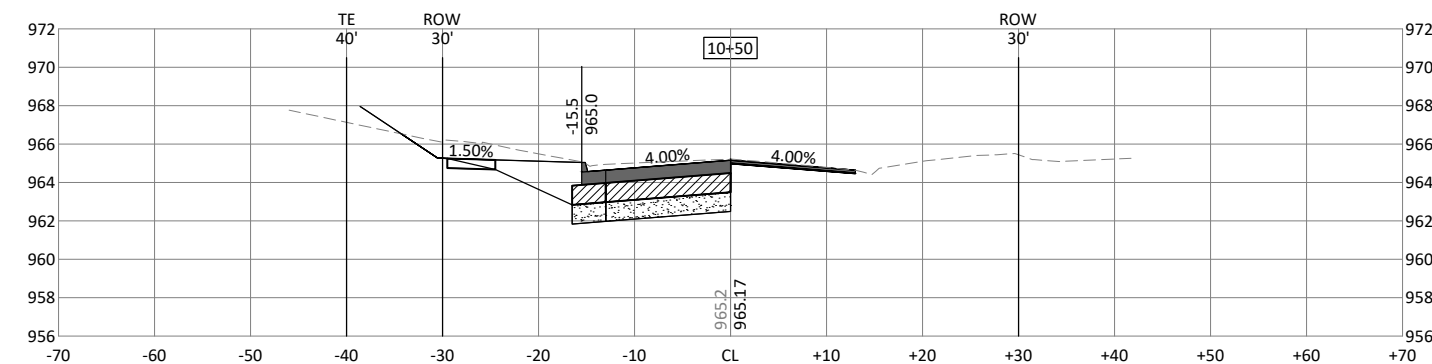
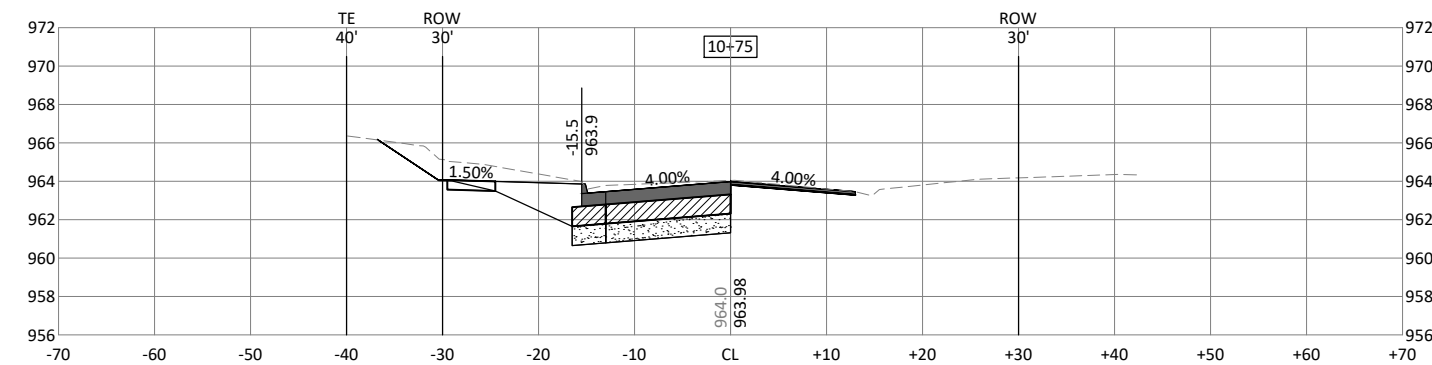
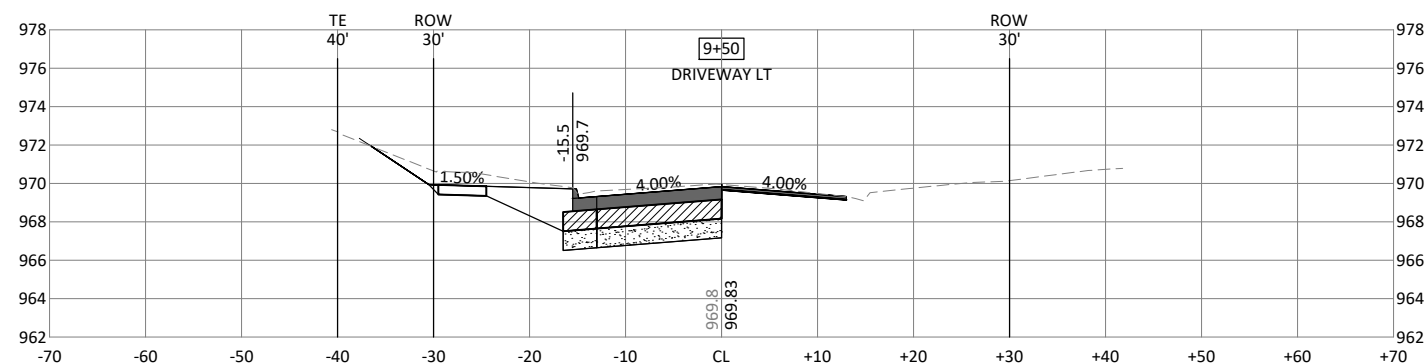
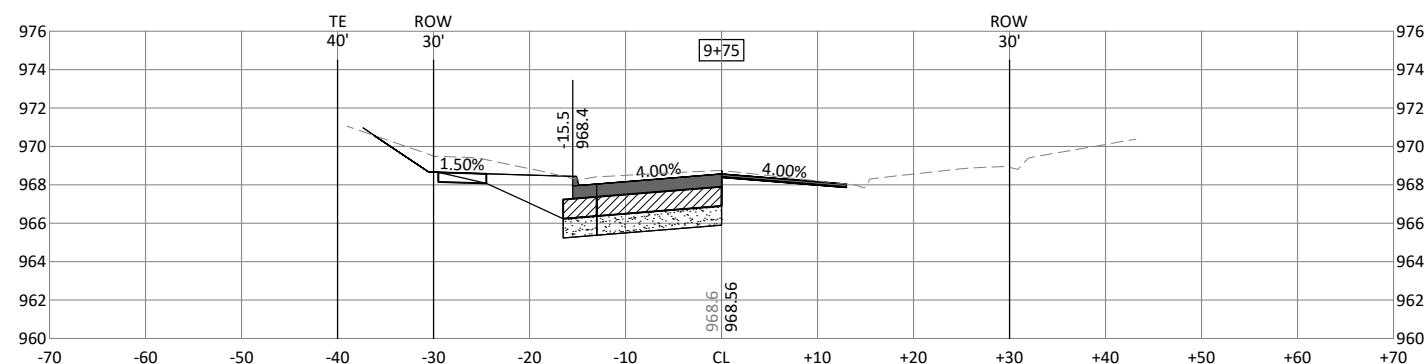
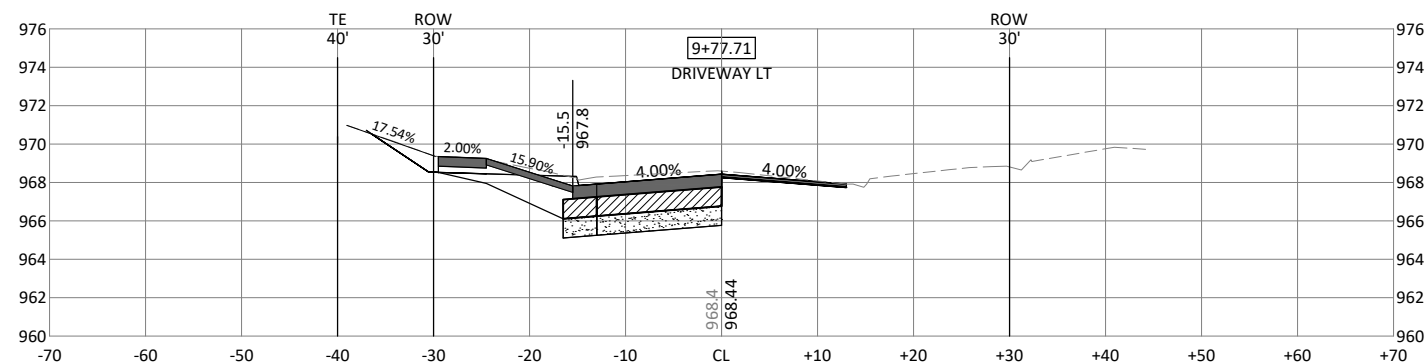
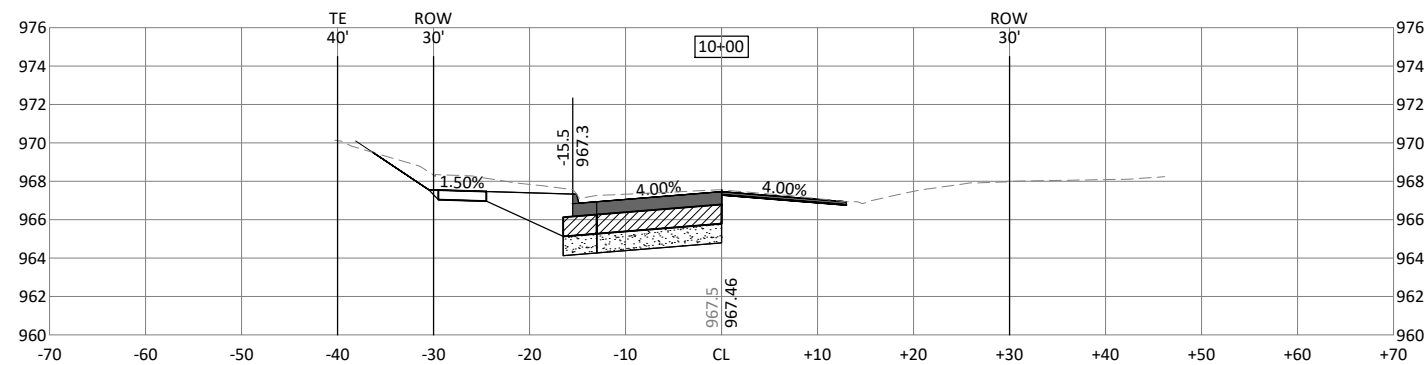
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

ROADWAY CROSS SECTIONS
S 4TH STREET

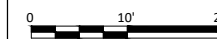


FILENAME | 10076153_C_GRAD_N1.DWG | SHEET
SCALE | NA

W.4

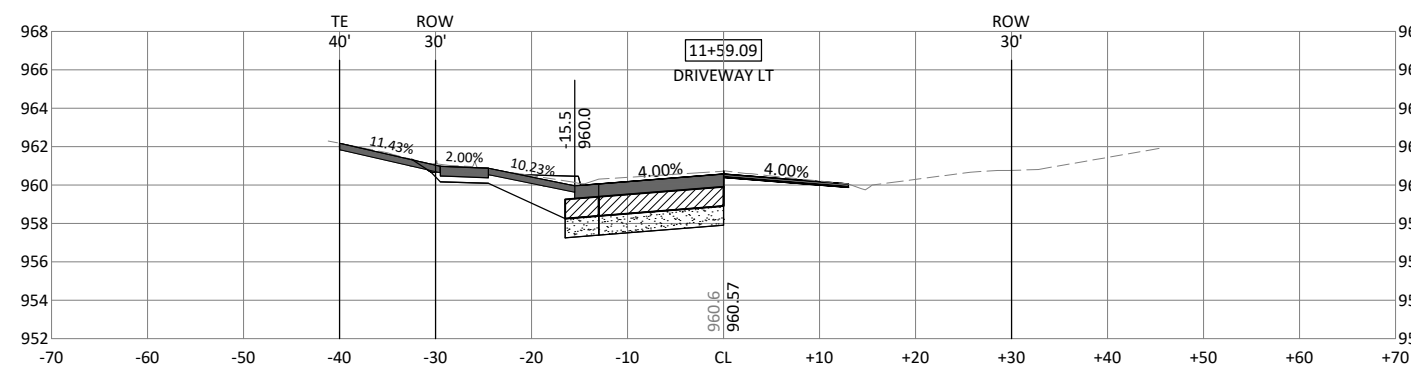
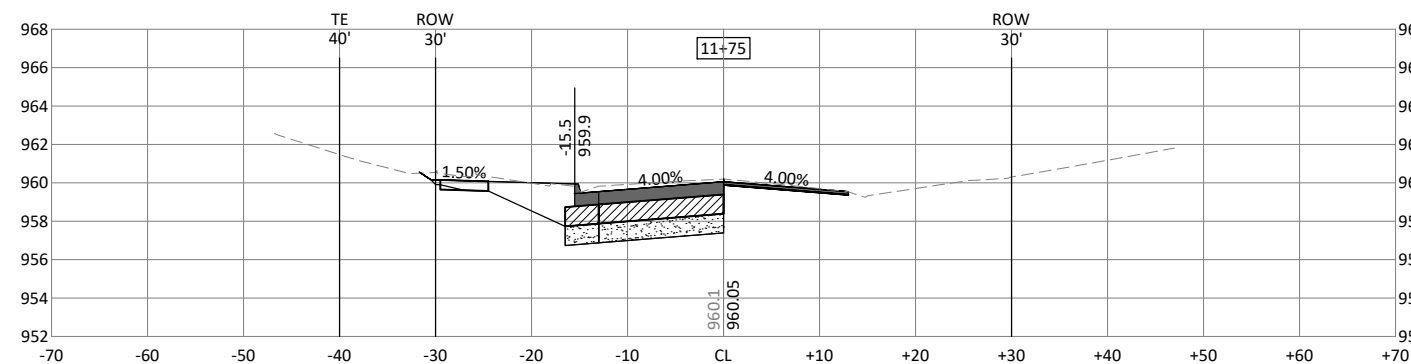
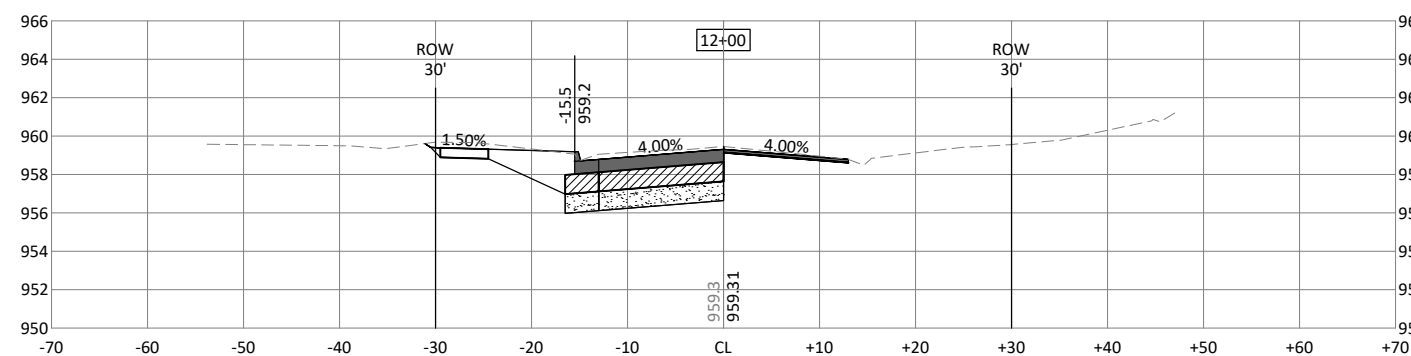
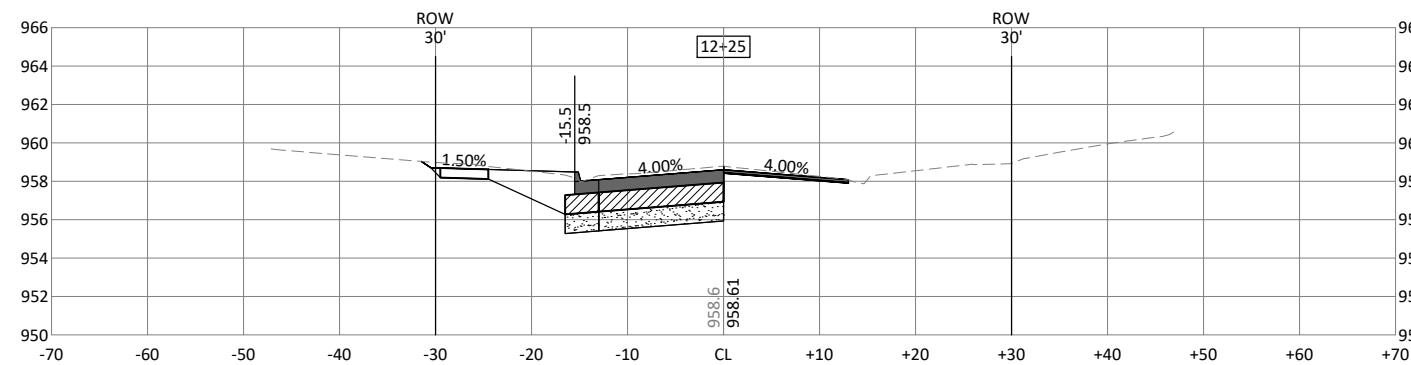
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4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS



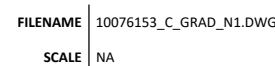
ROADWAY CROSS SECTIONS S 4TH STREET

FILENAME	10076153_C_GRAD_N1.DWG	SHEET
SCALE	NA	W



ISSUE	DATE	DESCRIPTION

**S 4TH STREET
CRESTVIEW DR**



SHEET

W.6

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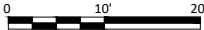
MARSHALLTOWN
IOWA



ISSUE	DATE	DESCRIPTION
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4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

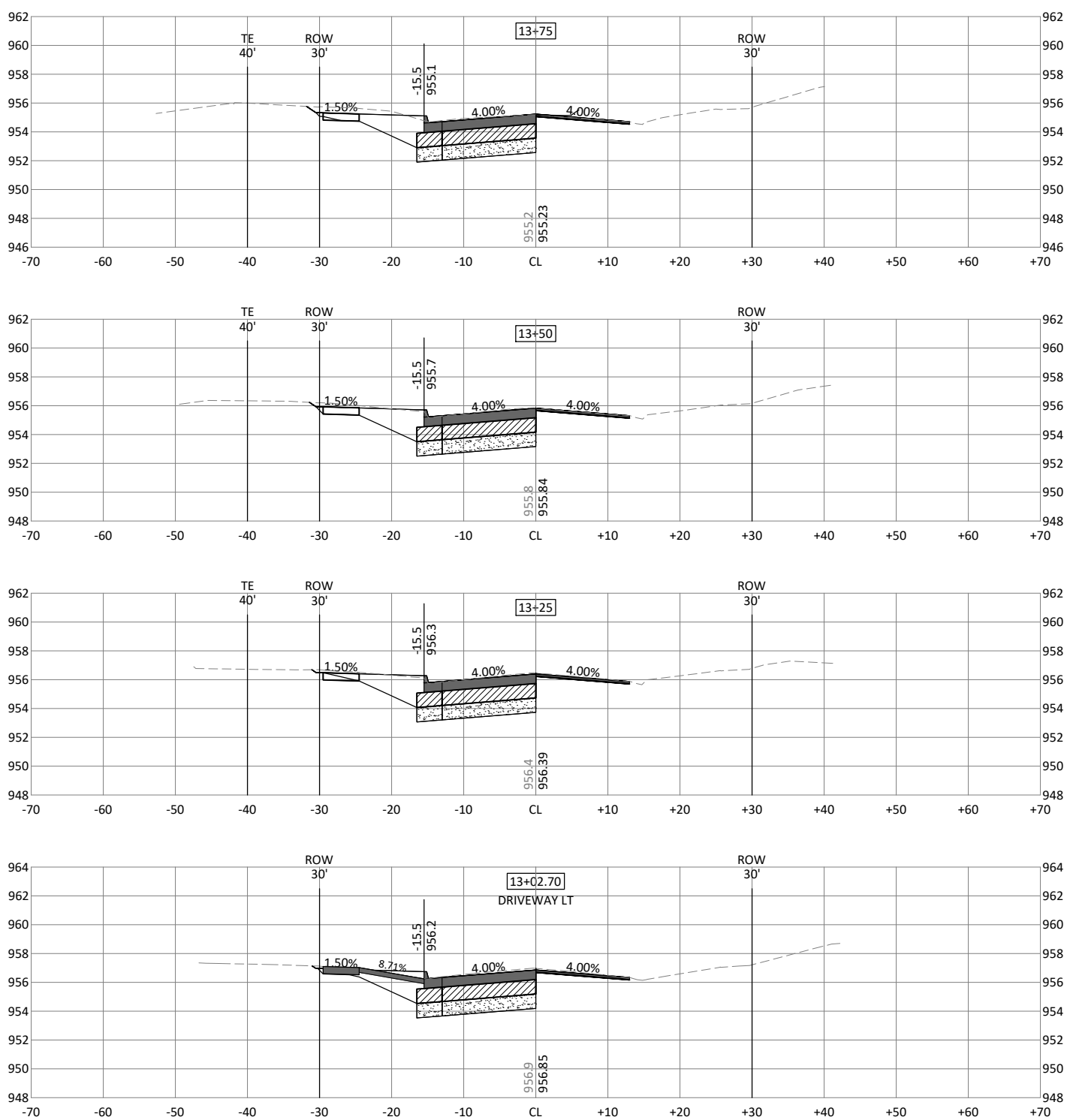
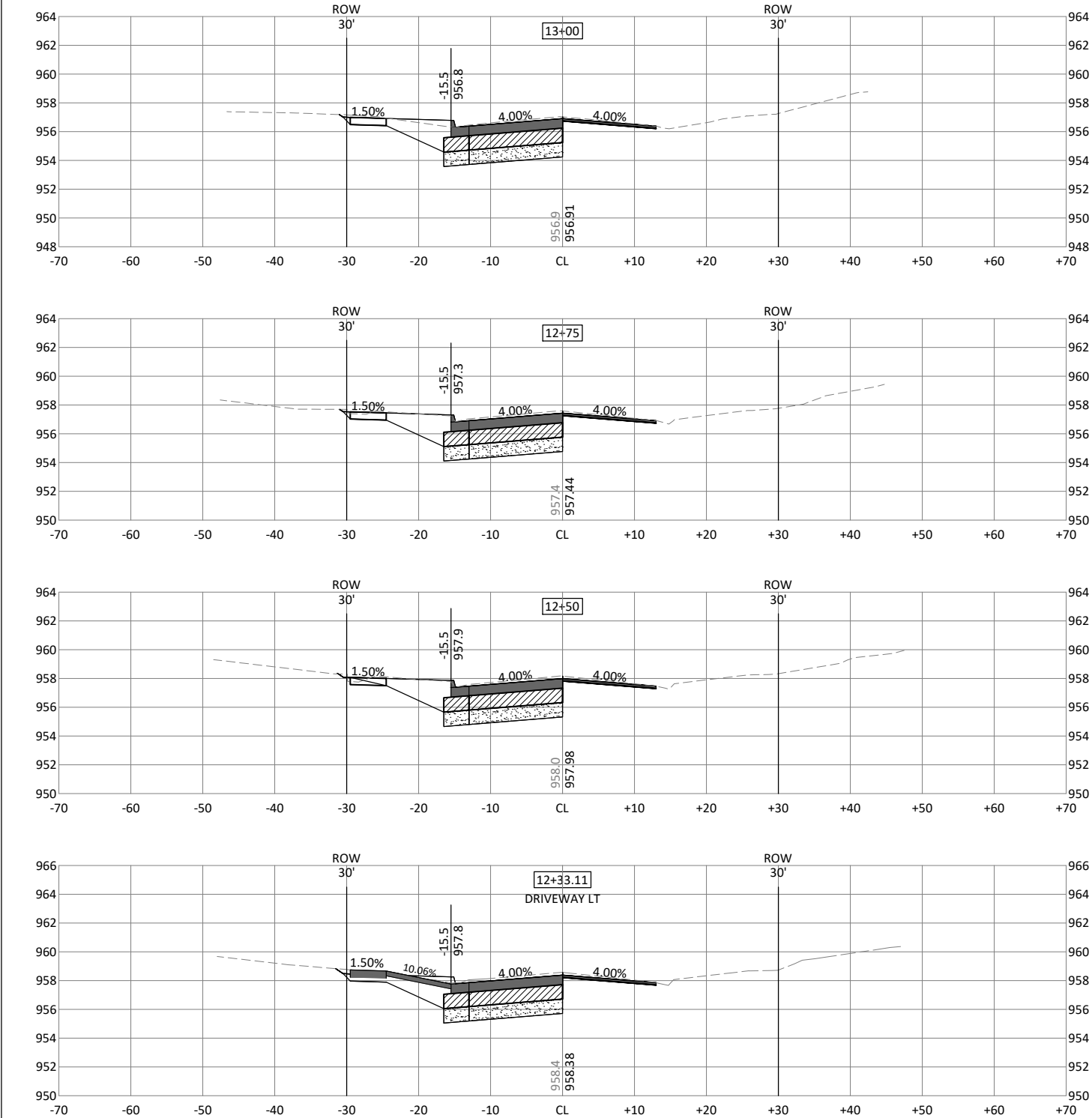
ROADWAY CROSS SECTIONS
S 4TH STREET

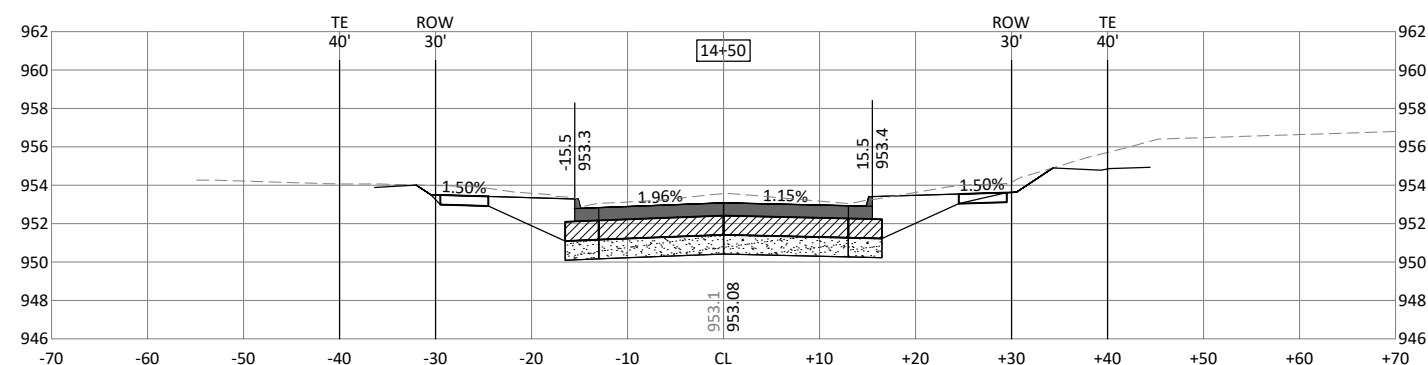
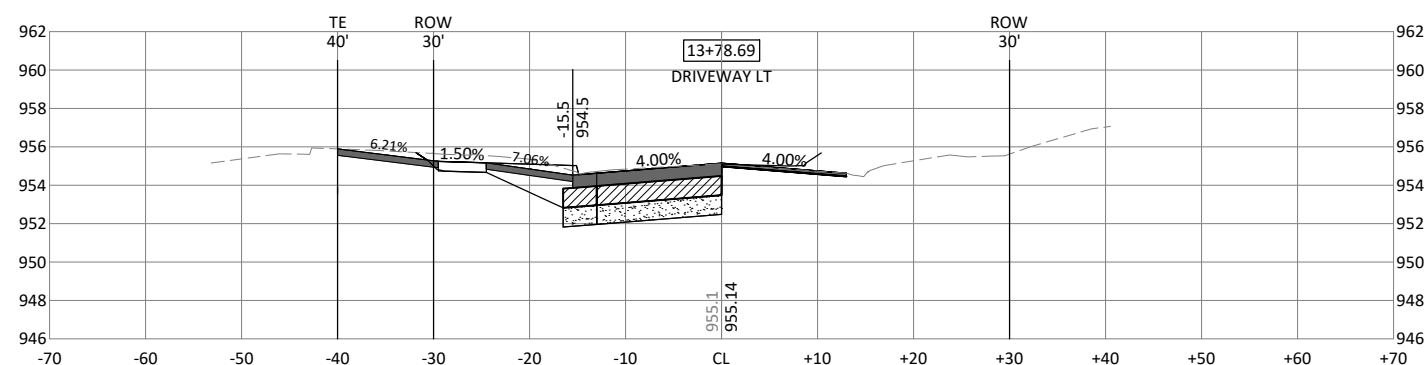


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SCALE	NA

SHEET

W.7

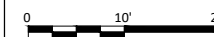




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[illegible]

ROADWAY CROSS SECTIONS S 4TH STREET



FILENAME	10076153_C_GRAD_N1.DWG
SCALE	NA

SHEET

W.8

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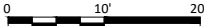
MARSHALLTOWN
IOWA



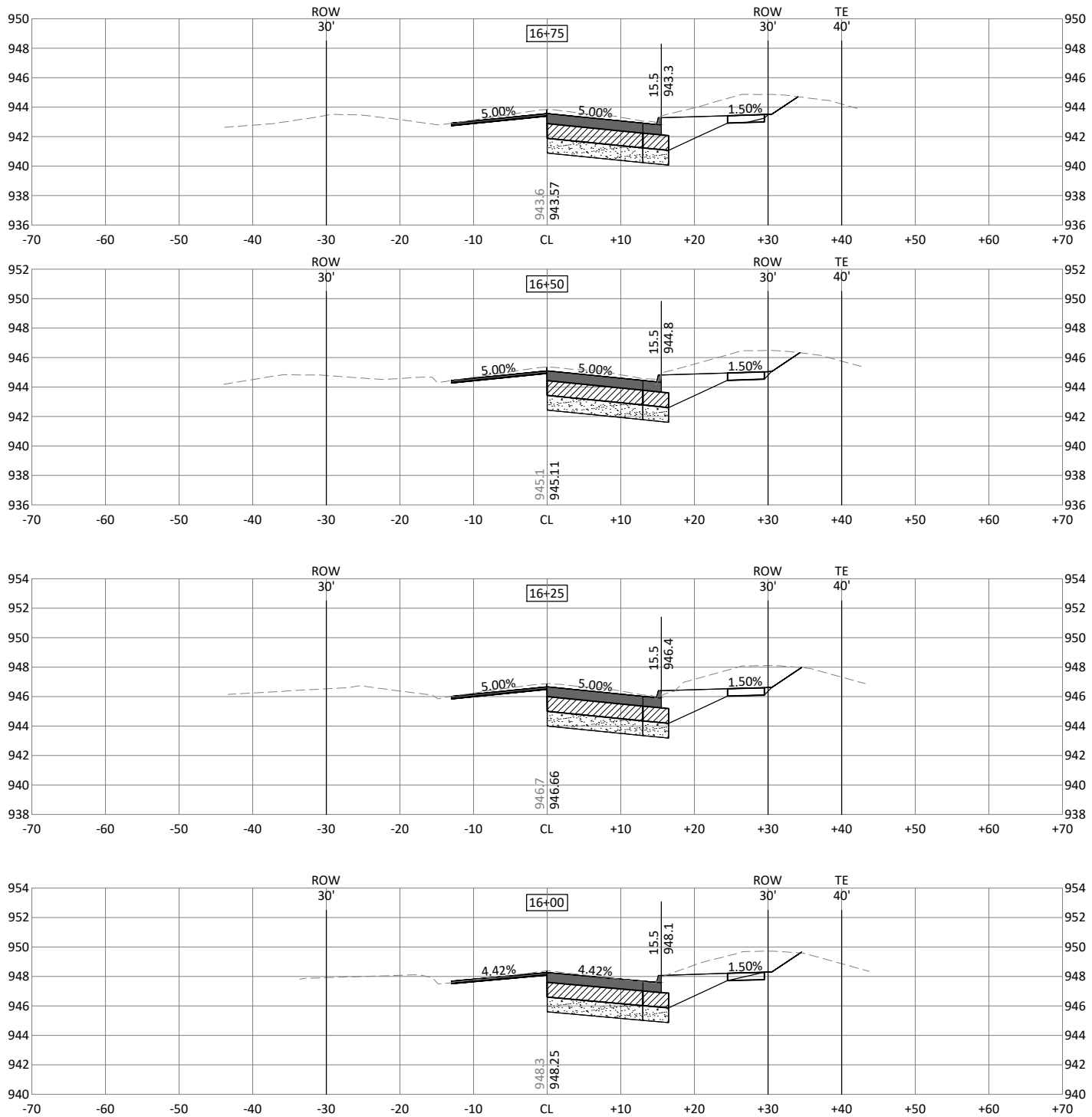
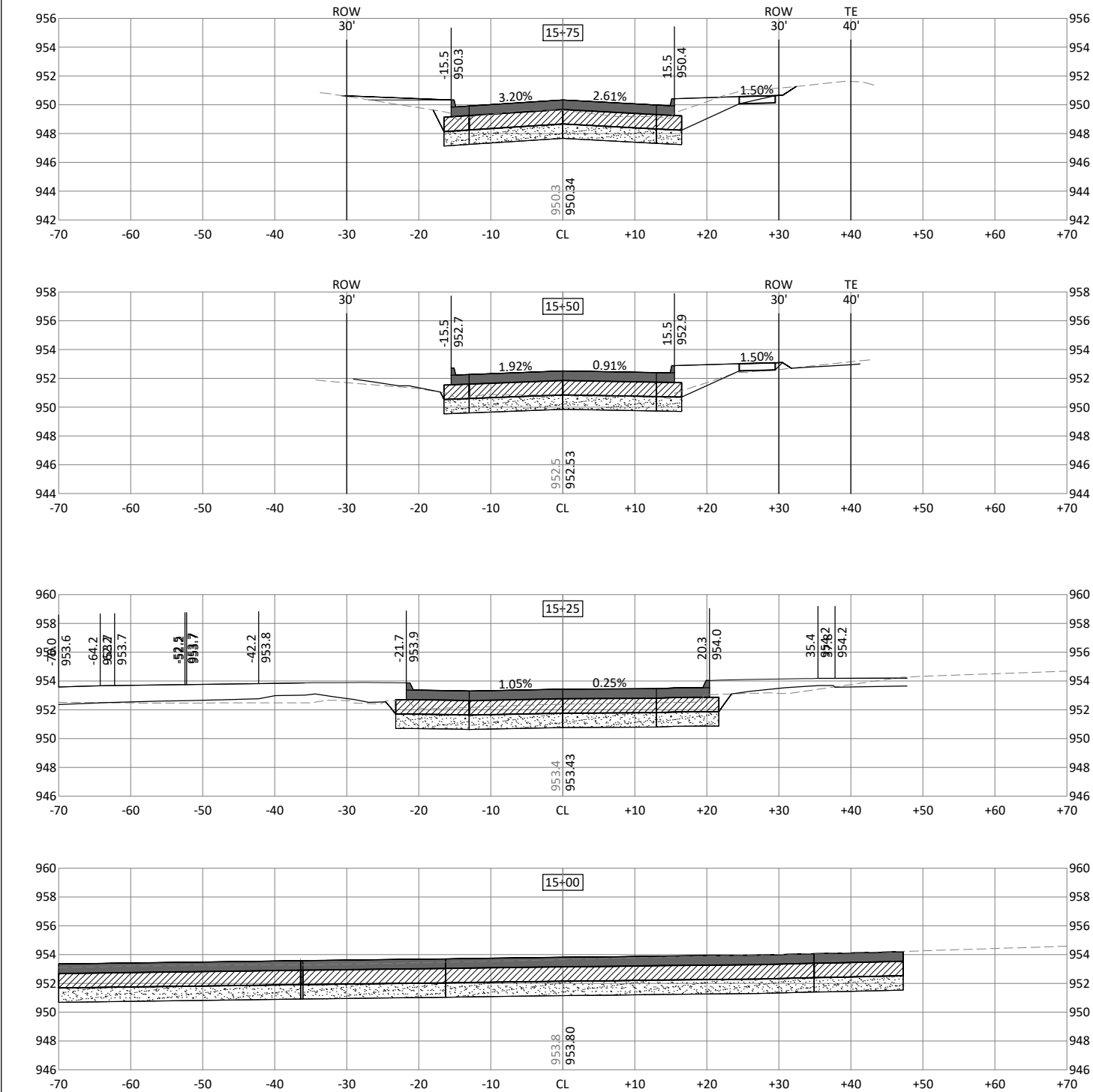
30%	06/24/2019	PRELIMINARY
ISSUE	DATE	DESCRIPTION

4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

ROADWAY CROSS SECTIONS
N 4TH STREET



FILENAME	10076153_C_GRAD_N1.DWG	SHEET
SCALE	NA	W.9



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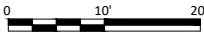
MARSHALLTOWN
IOWA



ISSUE	DATE	DESCRIPTION
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4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

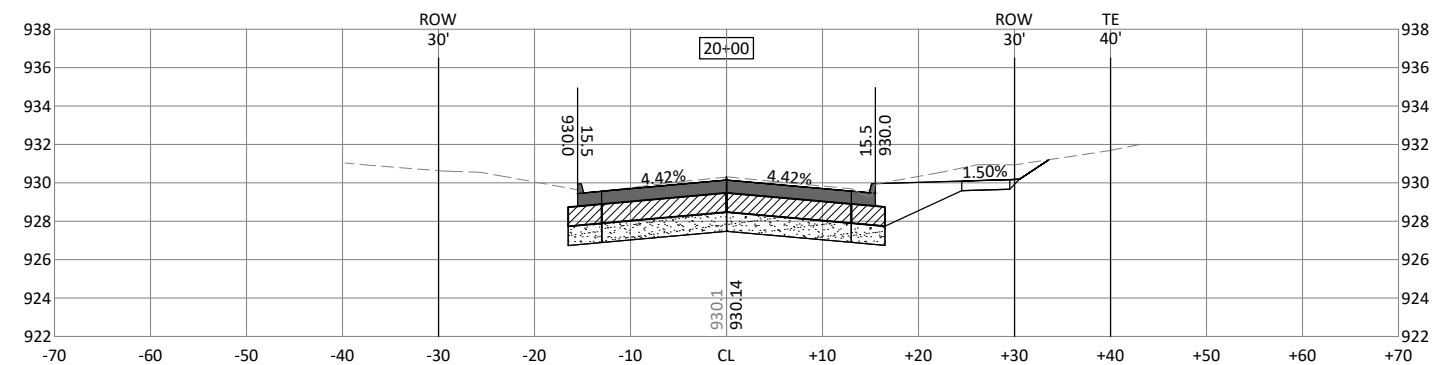
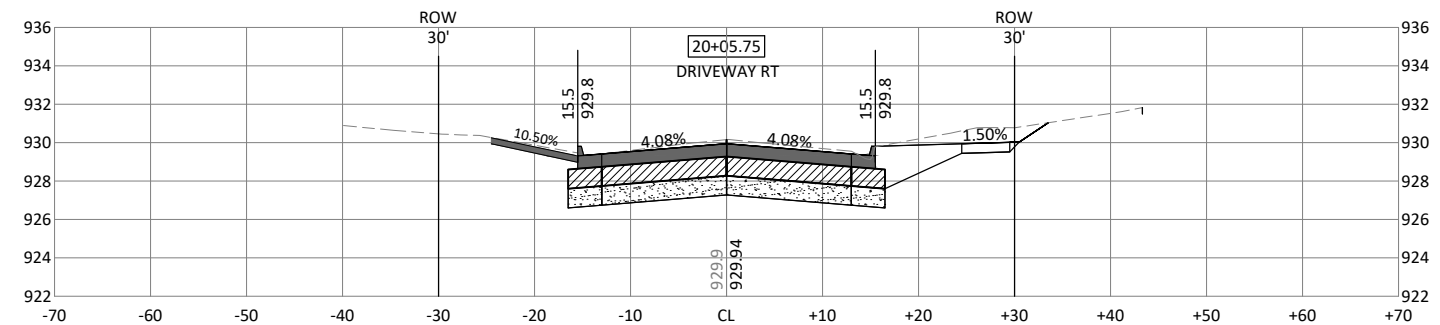
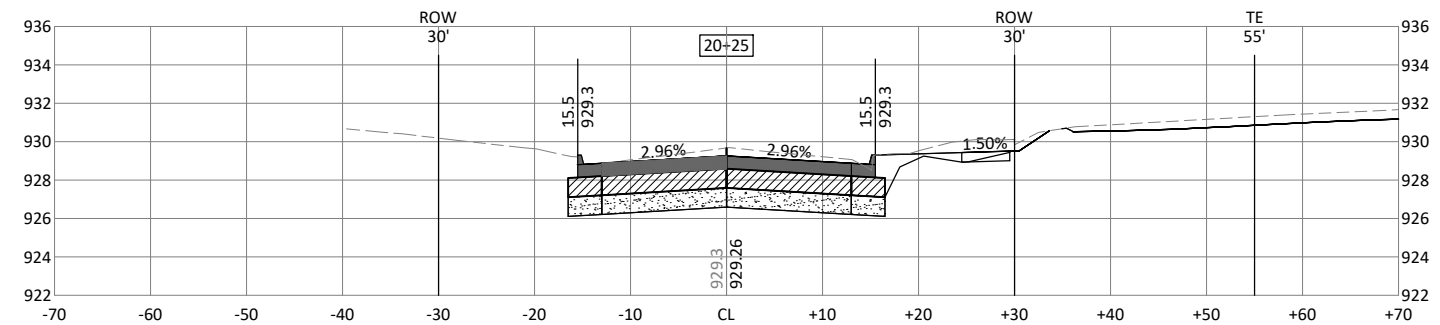
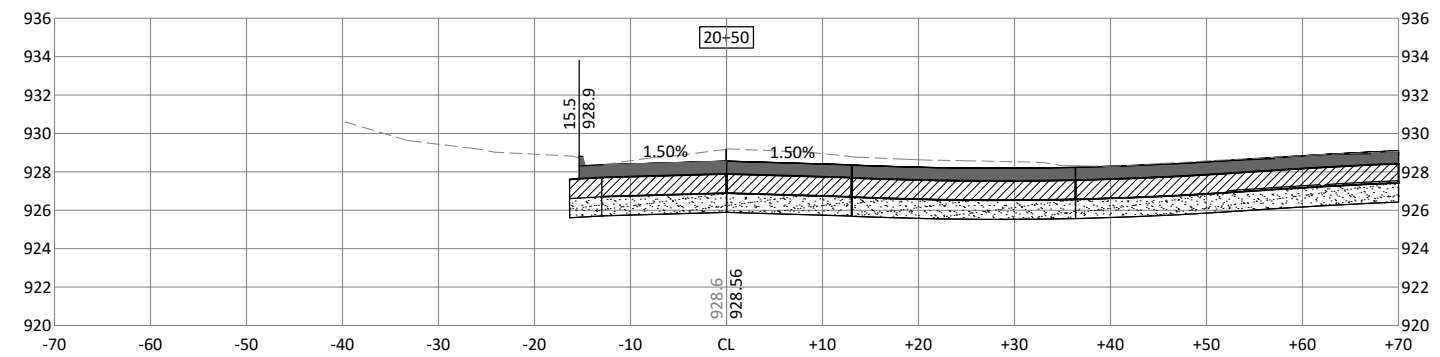
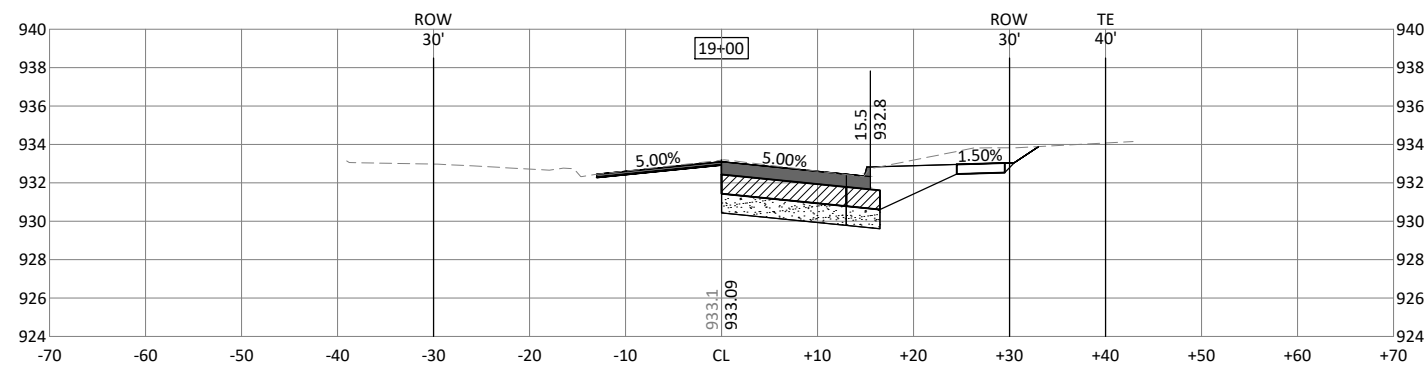
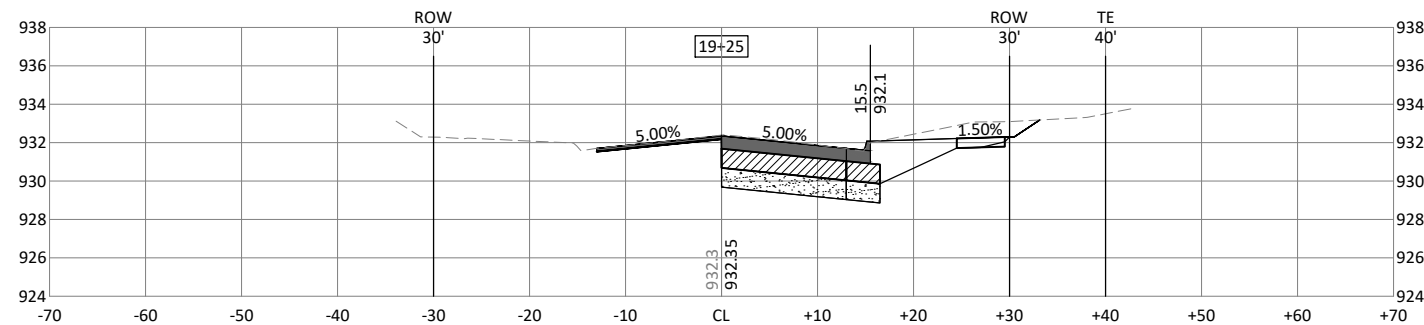
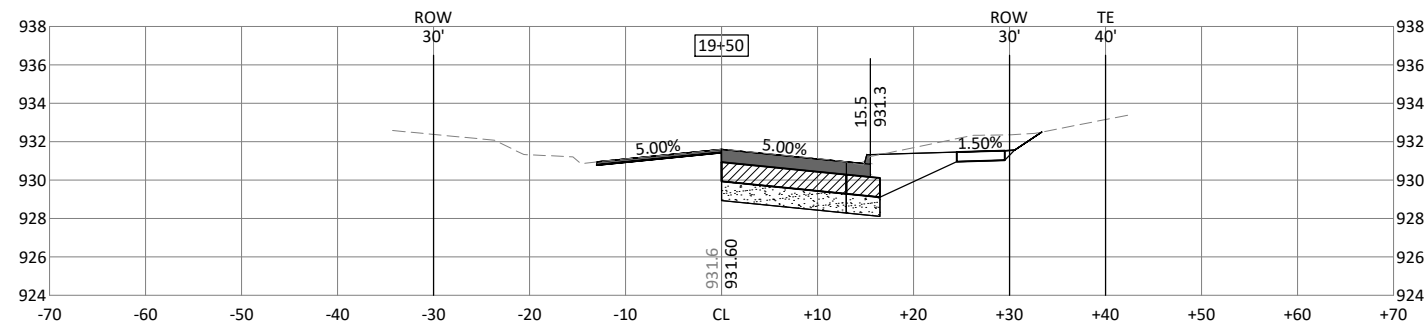
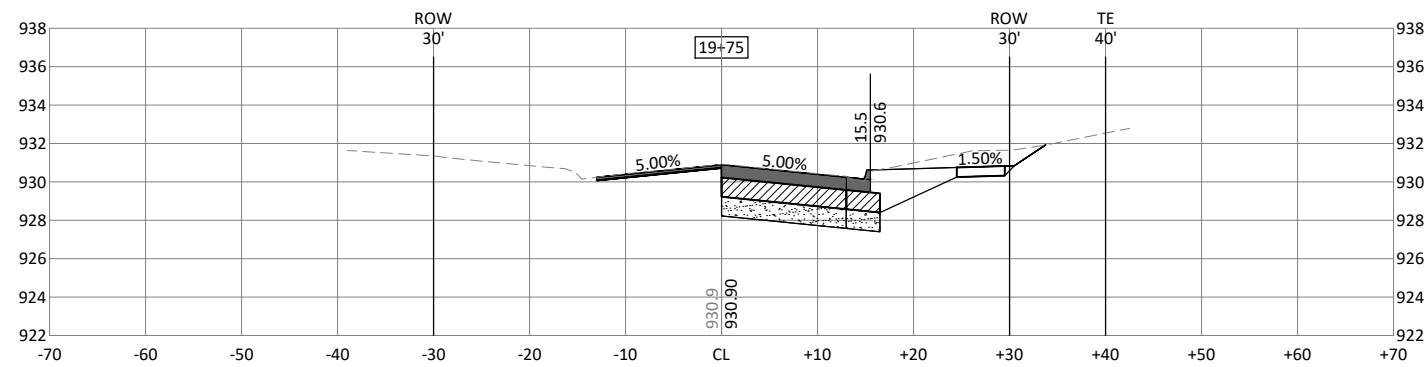
ROADWAY CROSS SECTIONS
N 4TH STREET



FILENAME	10076153_C_GRAD_N1.DWG
SCALE	NA

SHEET
W.10

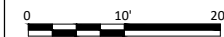
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ISSUE	DATE	DESCRIPTION

4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS

ROADWAY CROSS SECTIONS N 4TH STREET



FILENAME	10076153_C_GRAD_N1.DWG	SHEET
SCALE	NA	V

W.11

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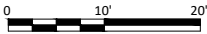
MARSHALLTOWN
IOWA



ISSUE	DATE	DESCRIPTION
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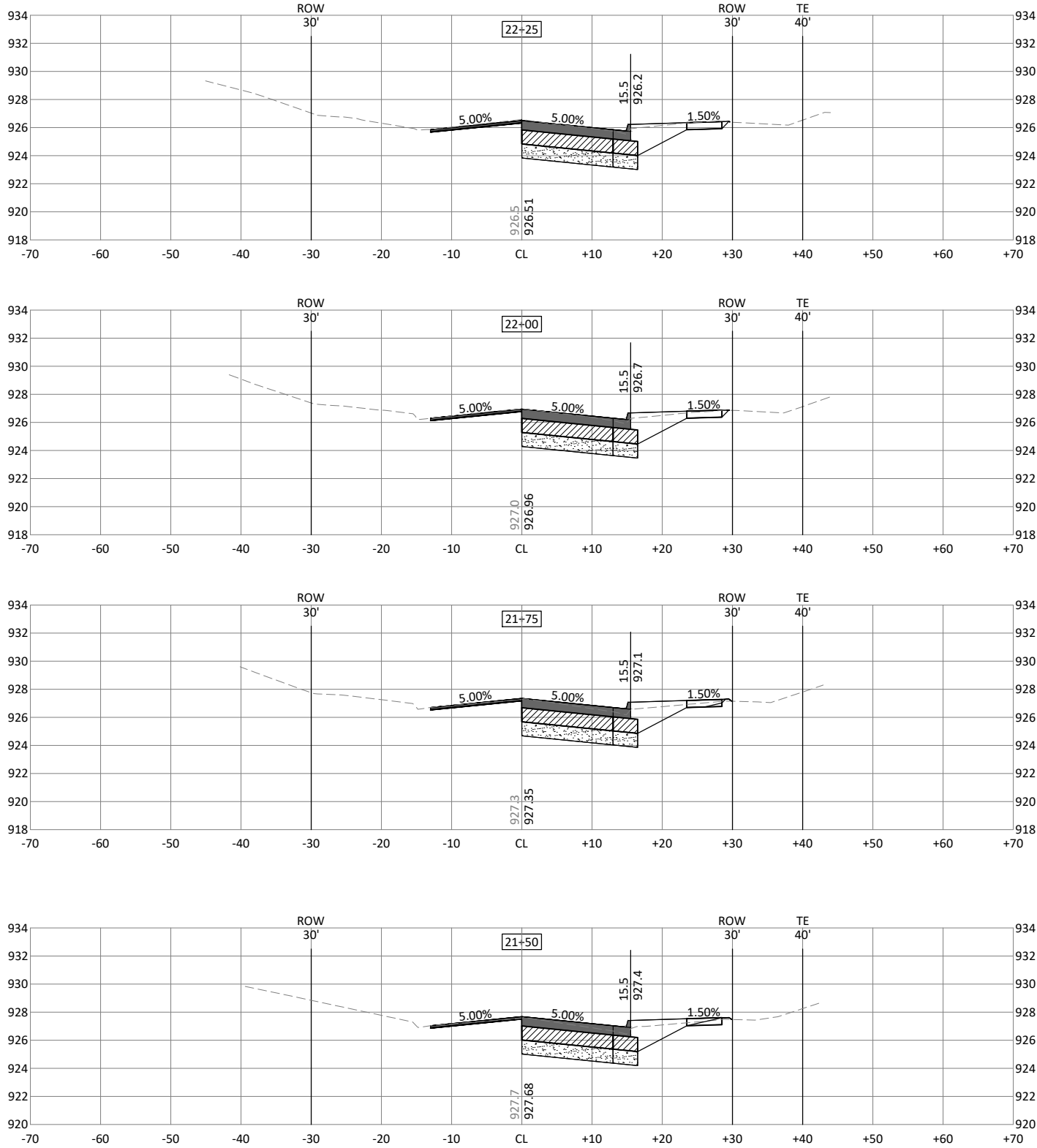
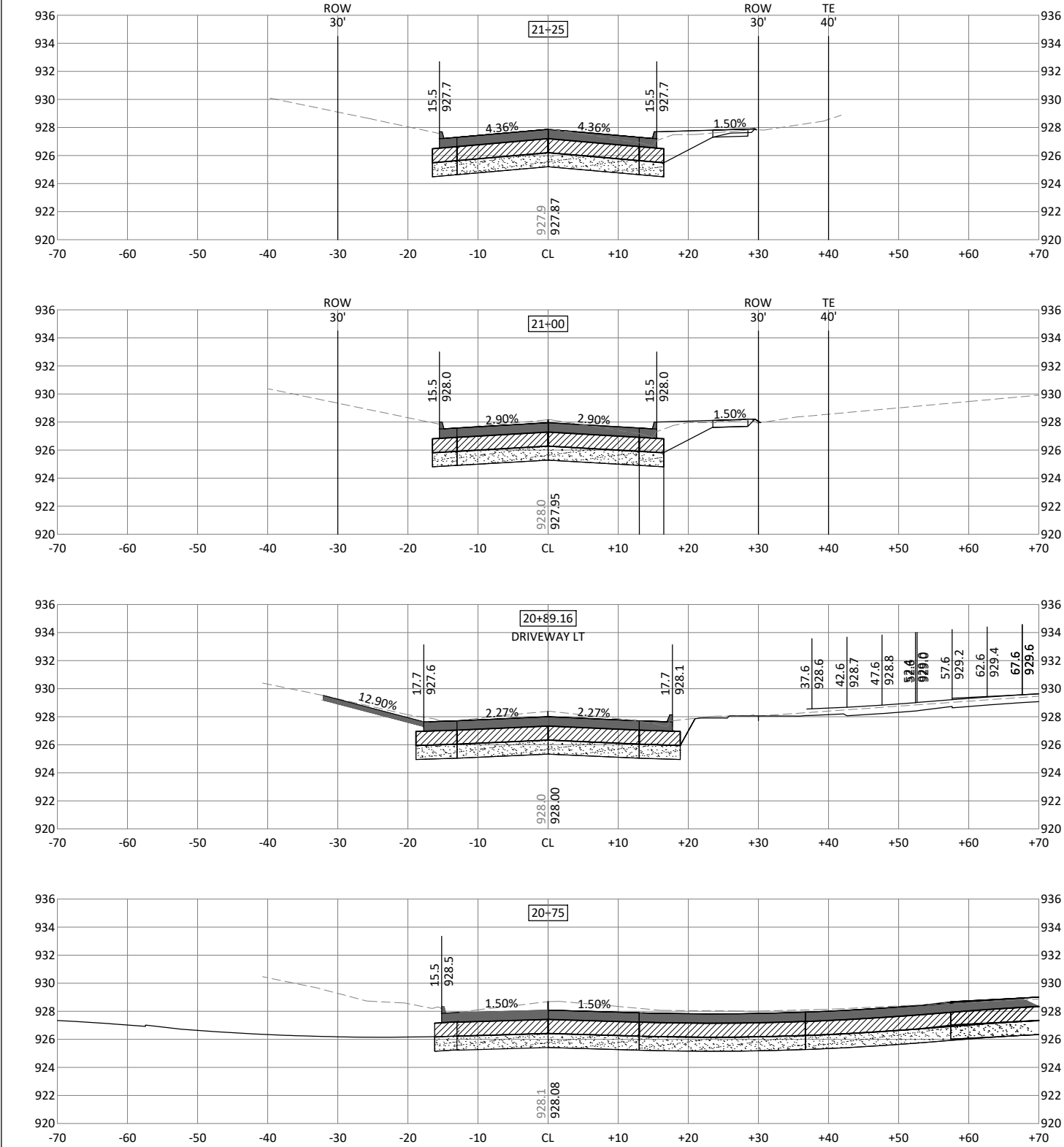
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

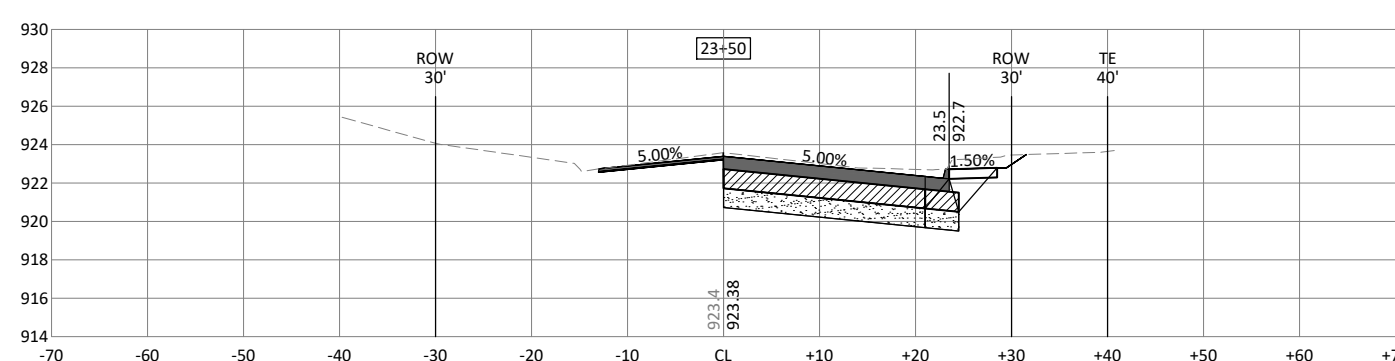
ROADWAY CROSS SECTIONS
N 4TH STREET



FILENAME	10076153_C_GRAD_N1.DWG
SCALE	NA

SHEET
W.12





W.13

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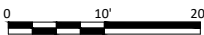
MARSHALLTOWN
IOWA



ISSUE	DATE	DESCRIPTION
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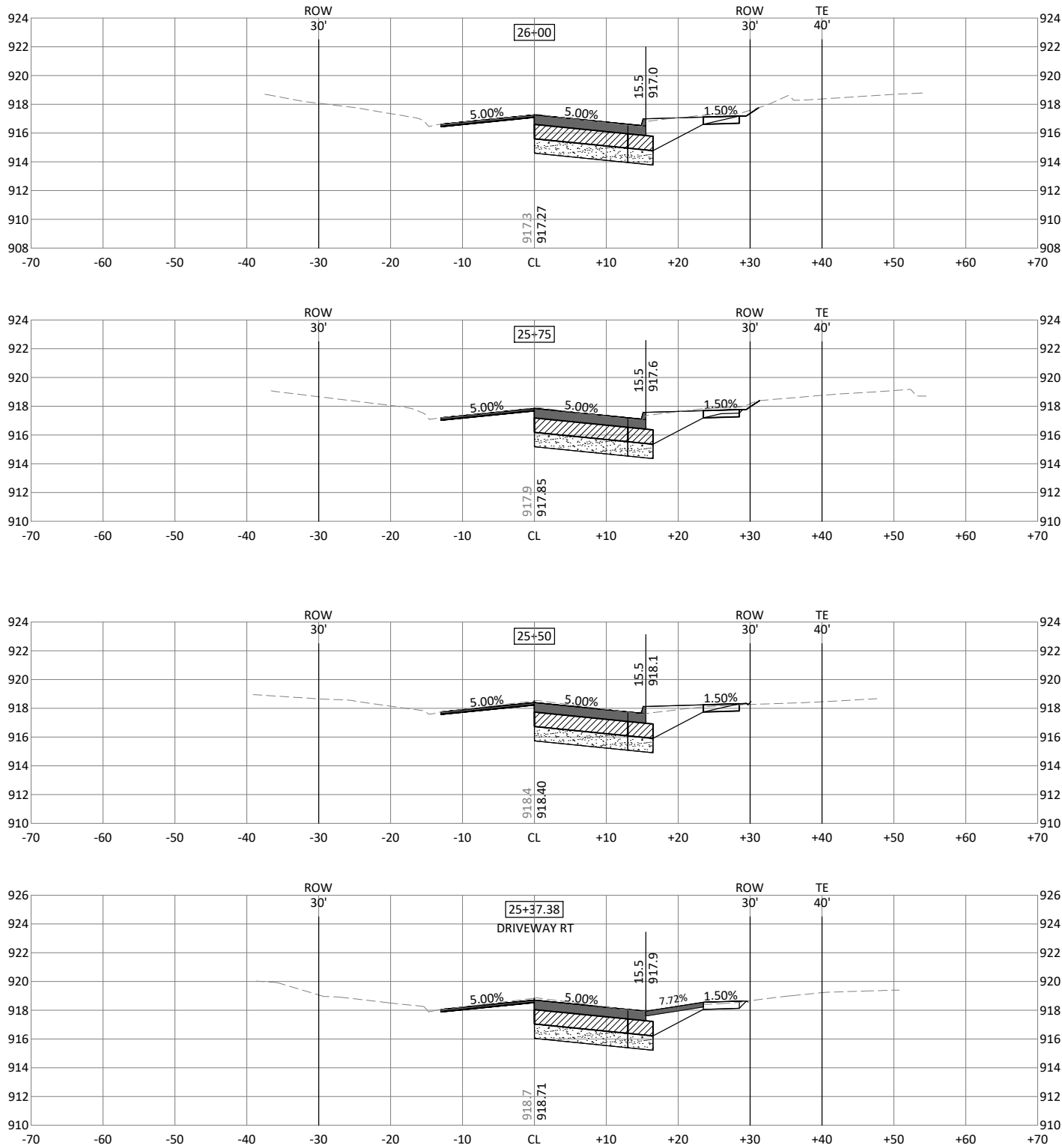
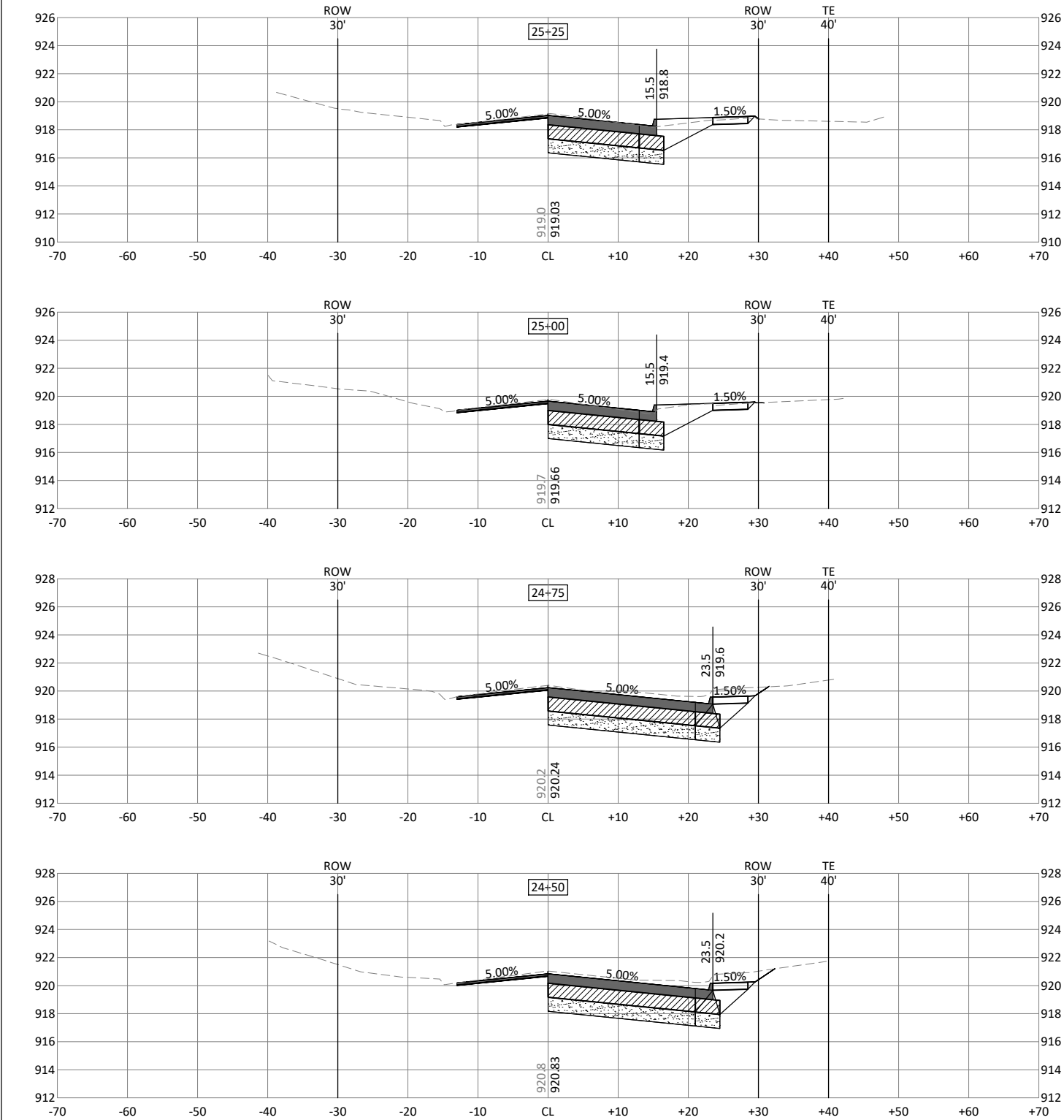
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

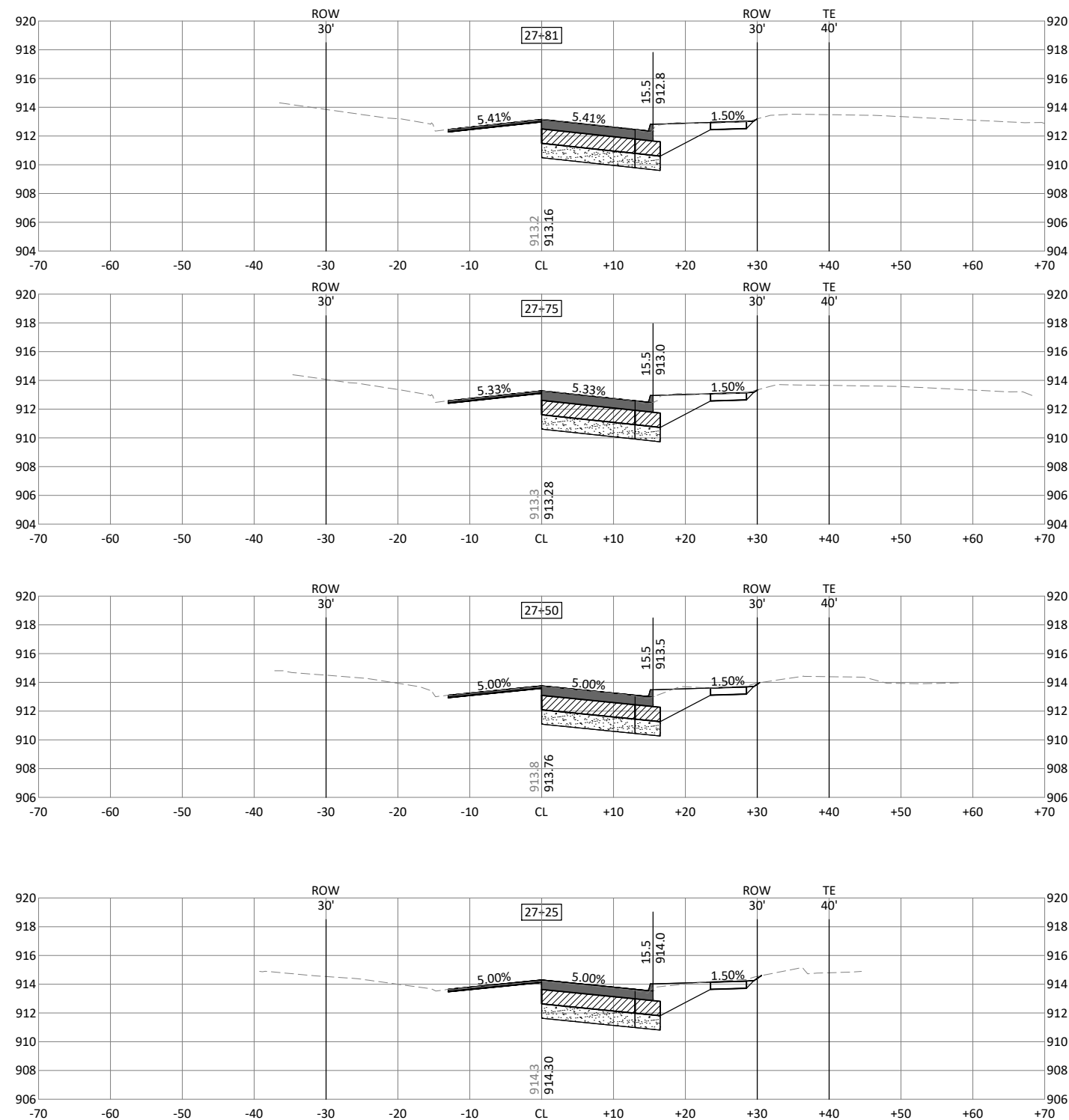
ROADWAY CROSS SECTIONS
N 4TH STREET



FILENAME	10076153_C_GRAD_N1.DWG
SCALE	NA

SHEET
W.14

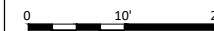




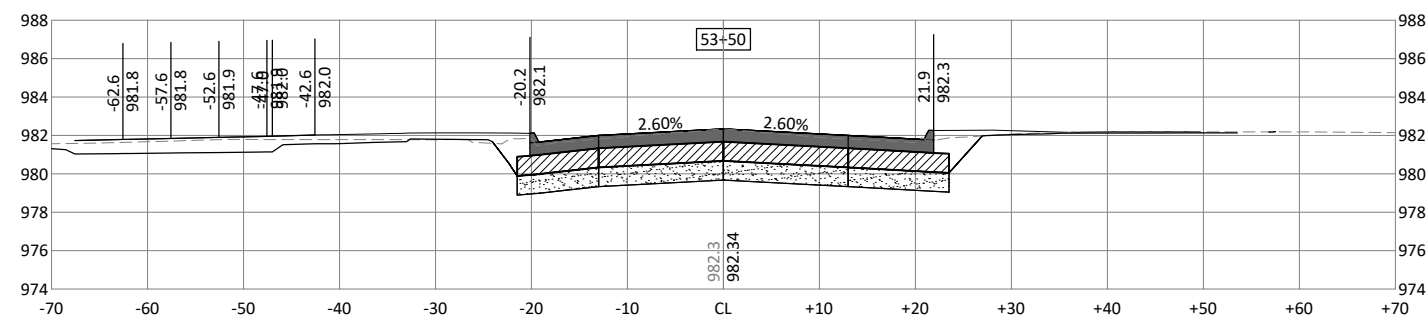
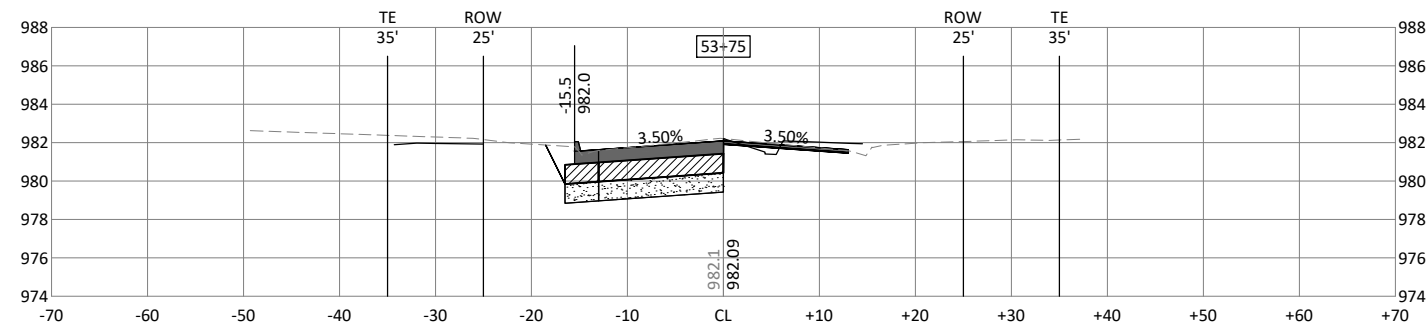
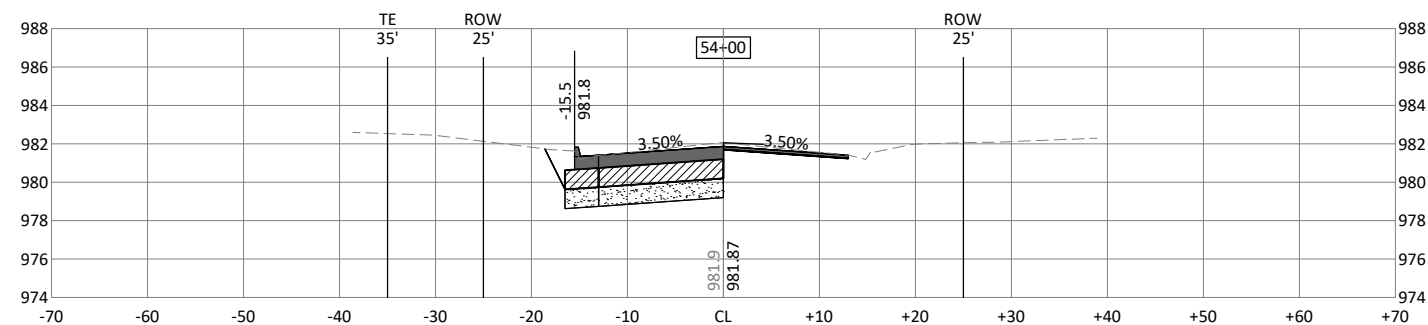
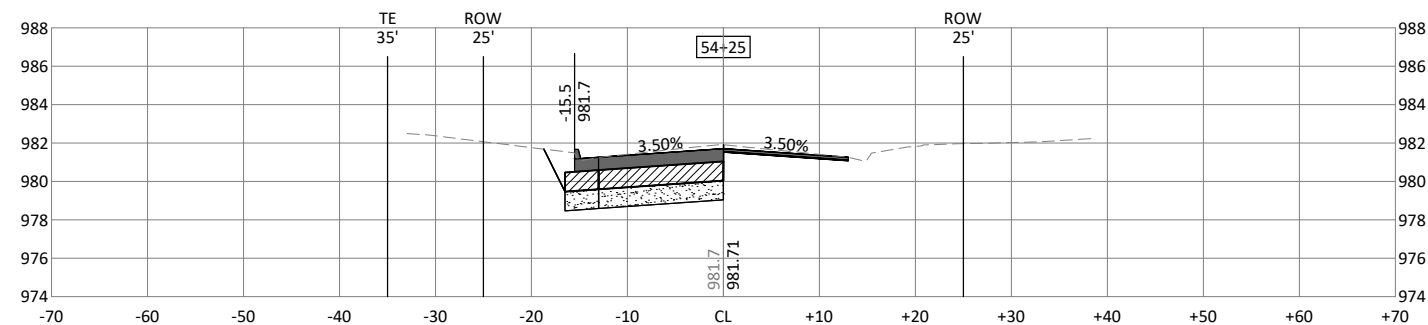
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ISSUE	DATE	DESCRIPTION

ROADWAY CROSS SECTIONS N 4TH STREET



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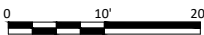
MARSHALLTOWN
IOWA



ISSUE	DATE	DESCRIPTION
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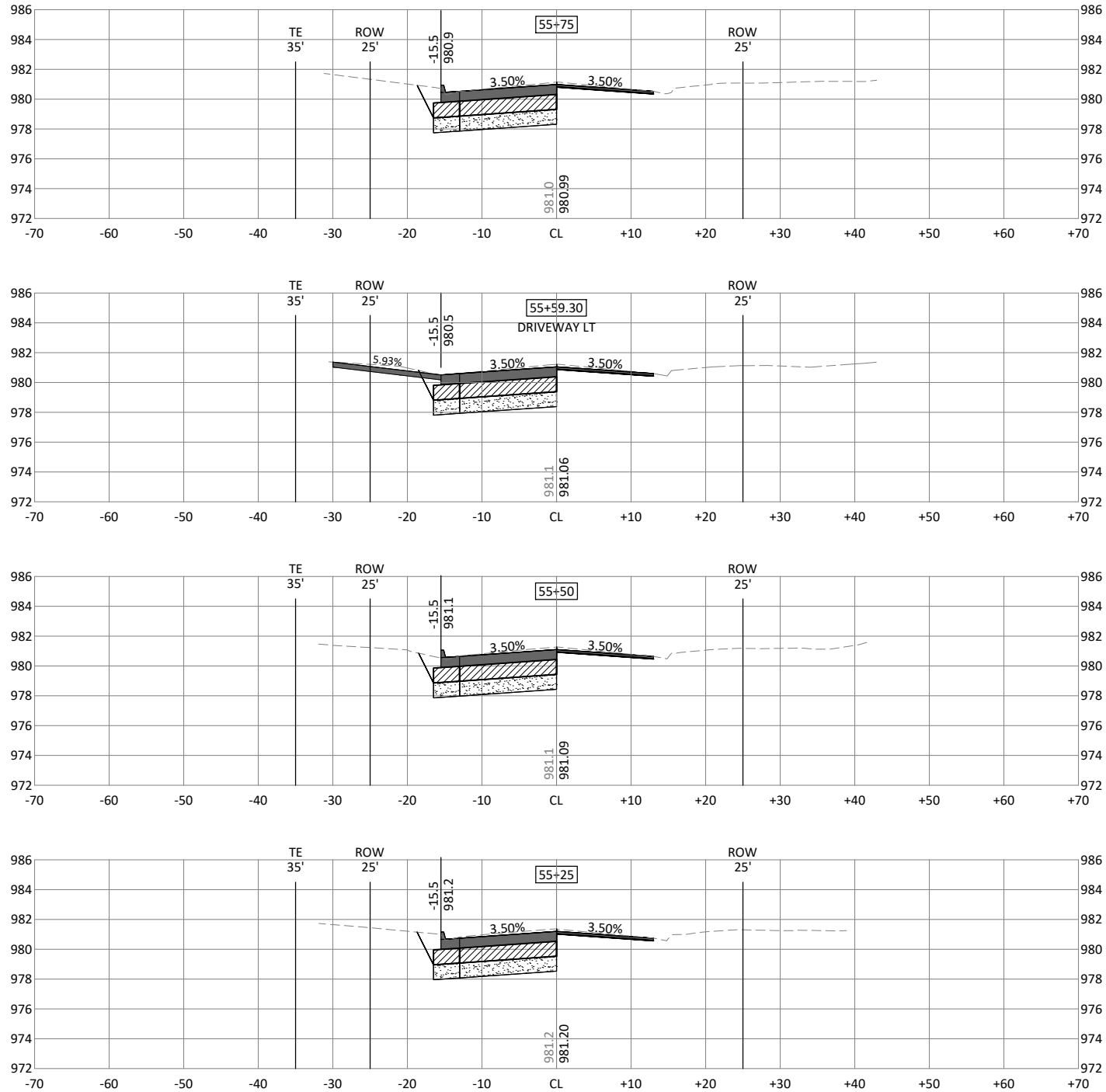
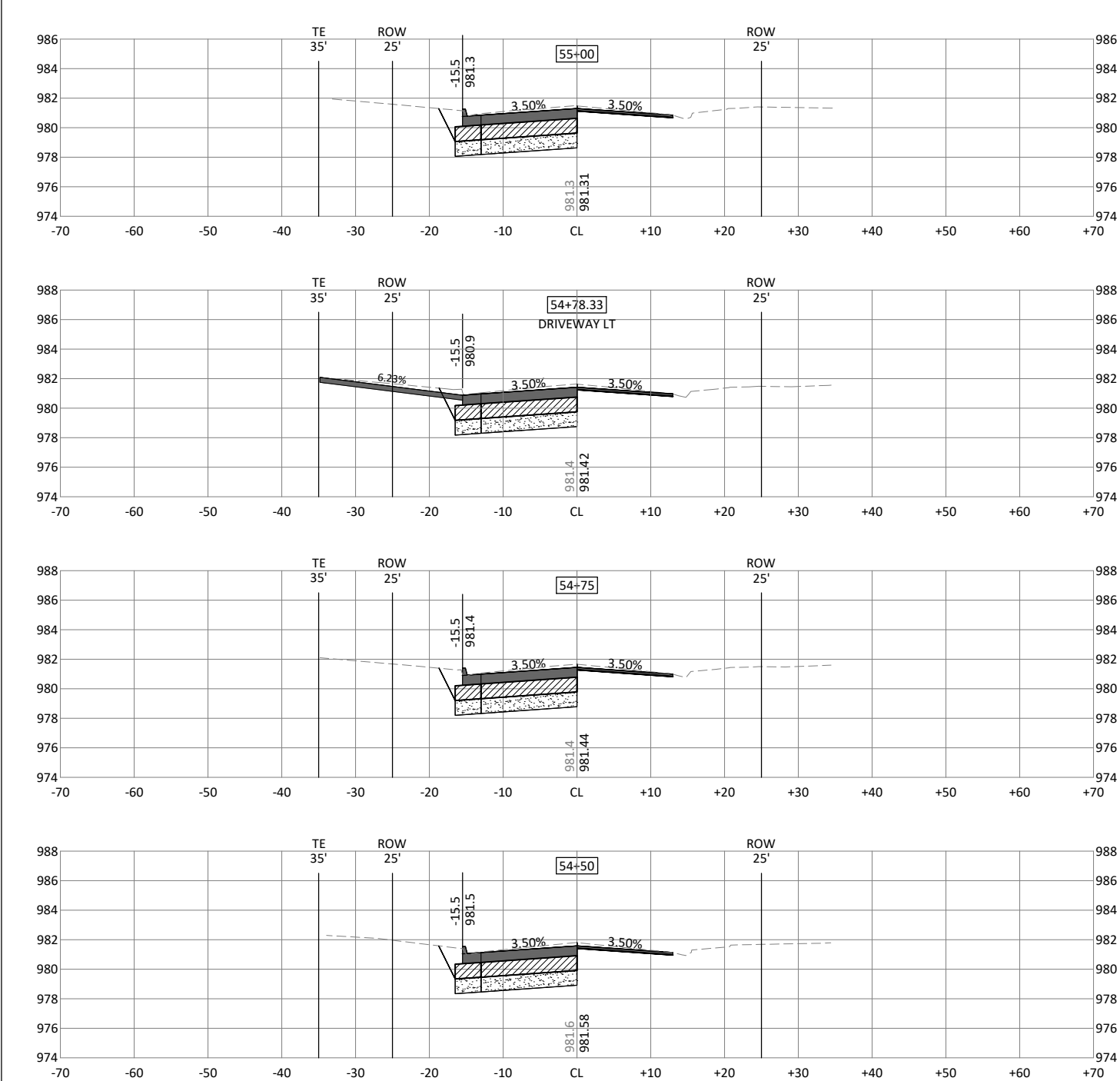
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

ROADWAY CROSS SECTIONS
MEADOW LANE



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SCALE	NA

SHEET
X.17



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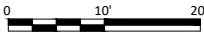
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IOWA



ISSUE	DATE	DESCRIPTION
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4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

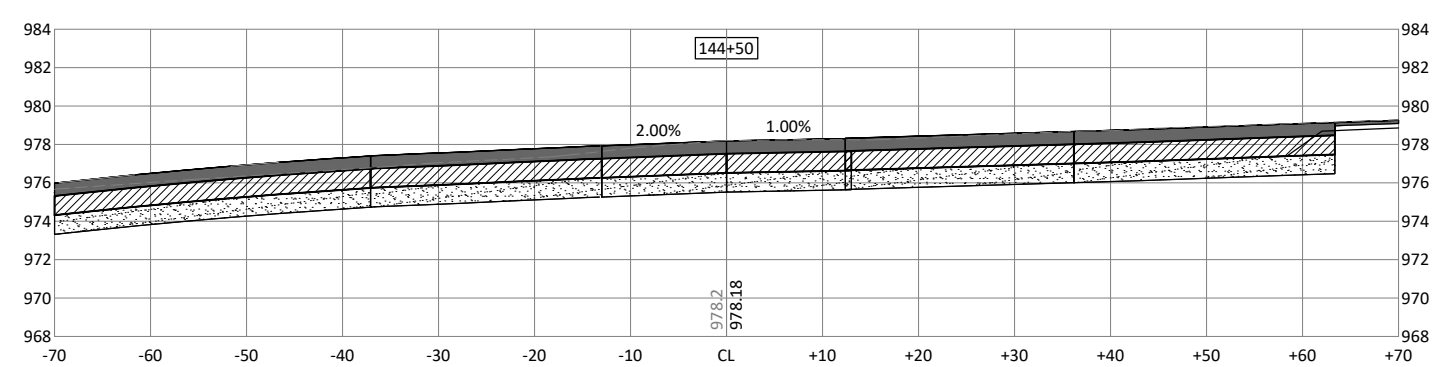
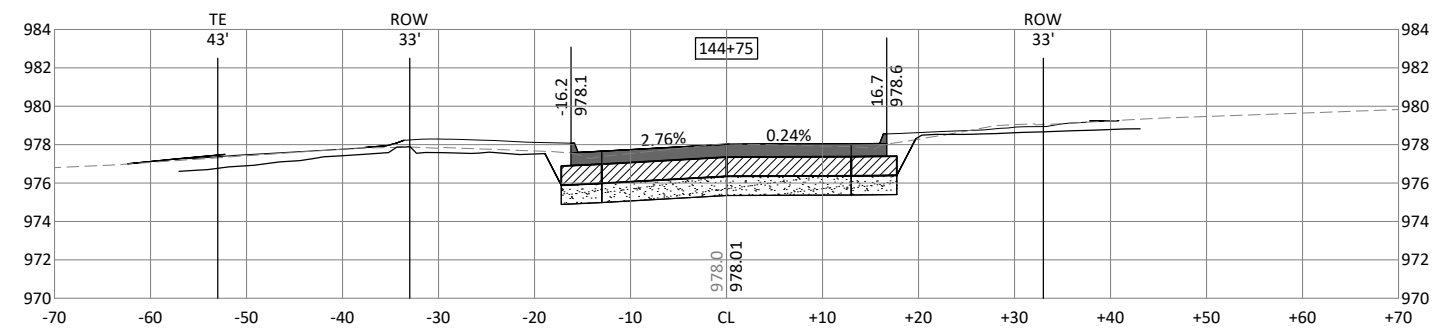
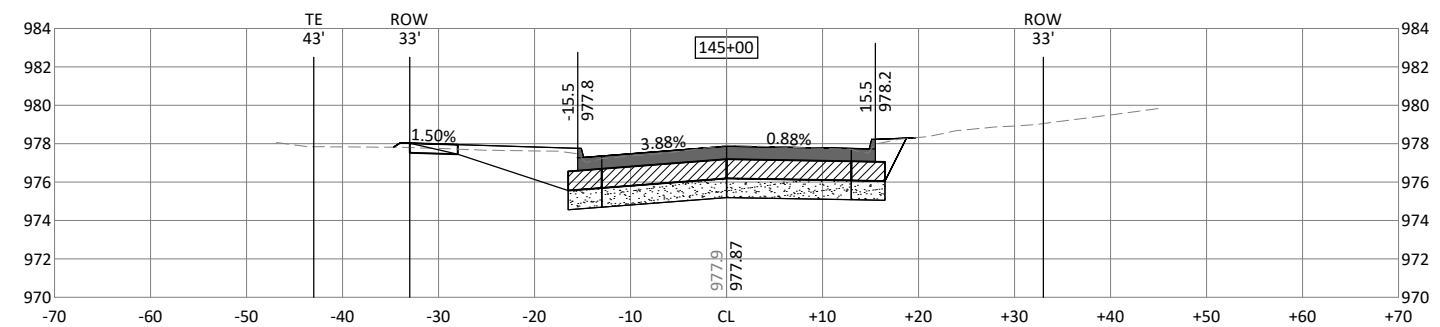
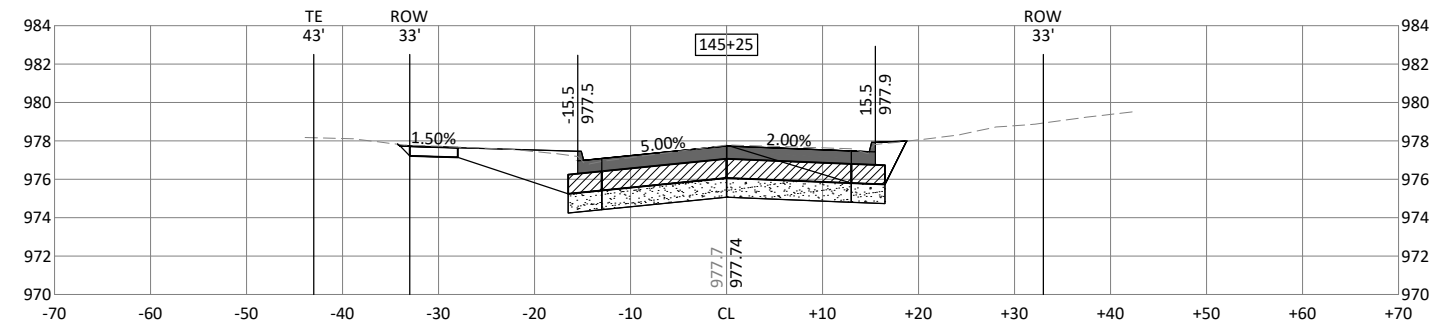
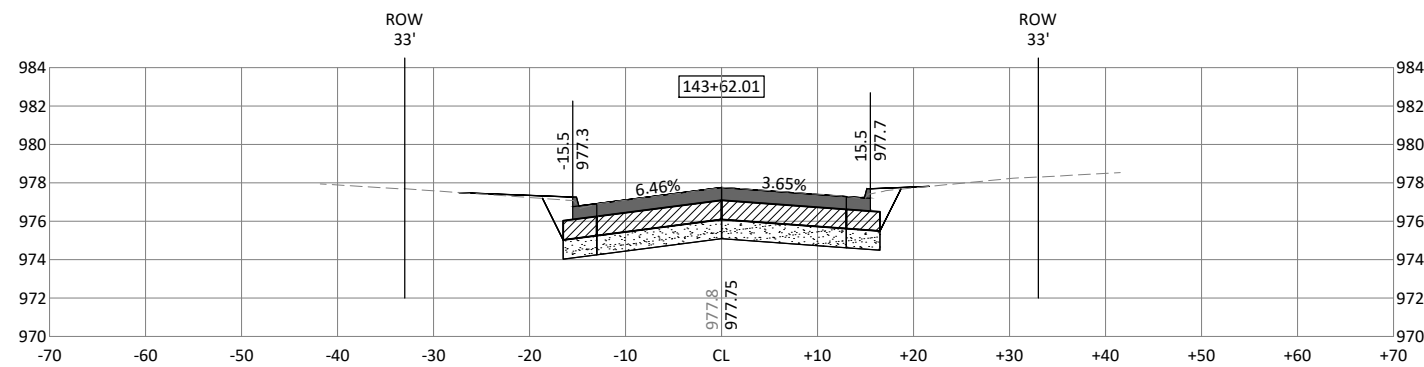
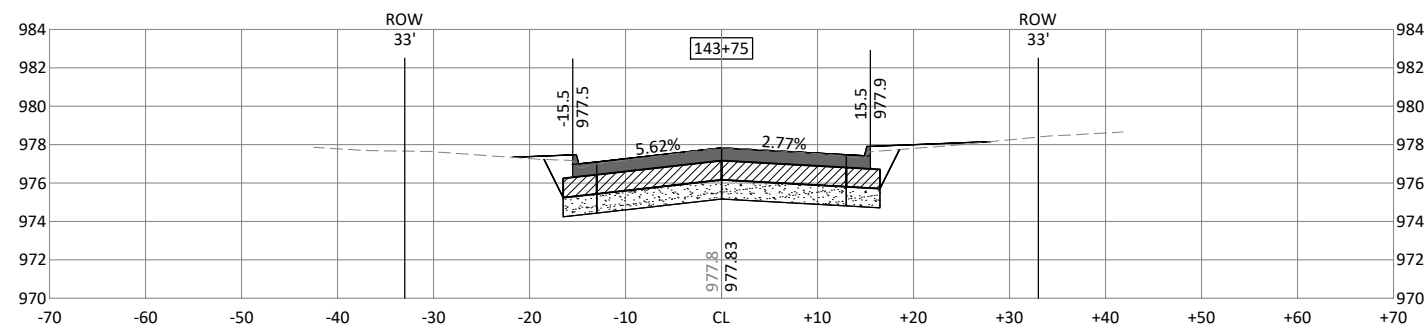
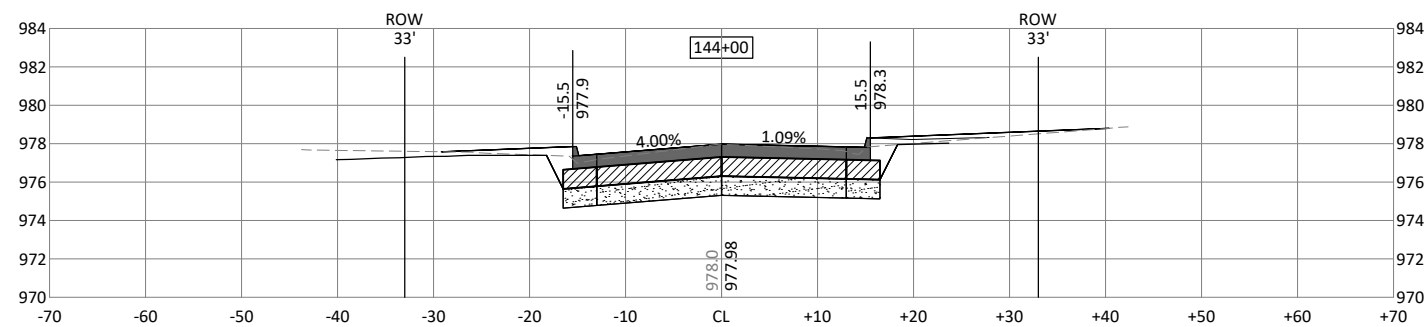
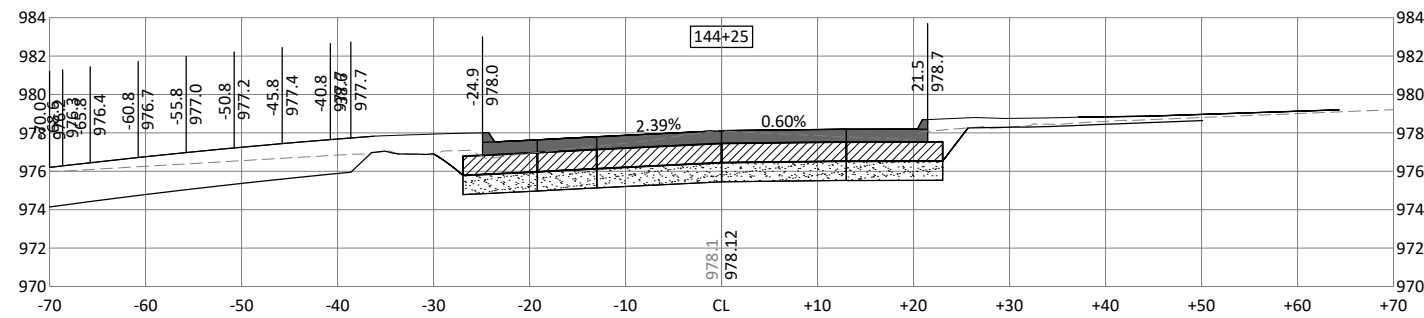
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MEADOW LANE



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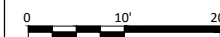
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4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS

ROADWAY CROSS SECTIONS EDGELAND DRIVE



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SHEET

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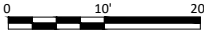
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IOWA



ISSUE	DATE	DESCRIPTION
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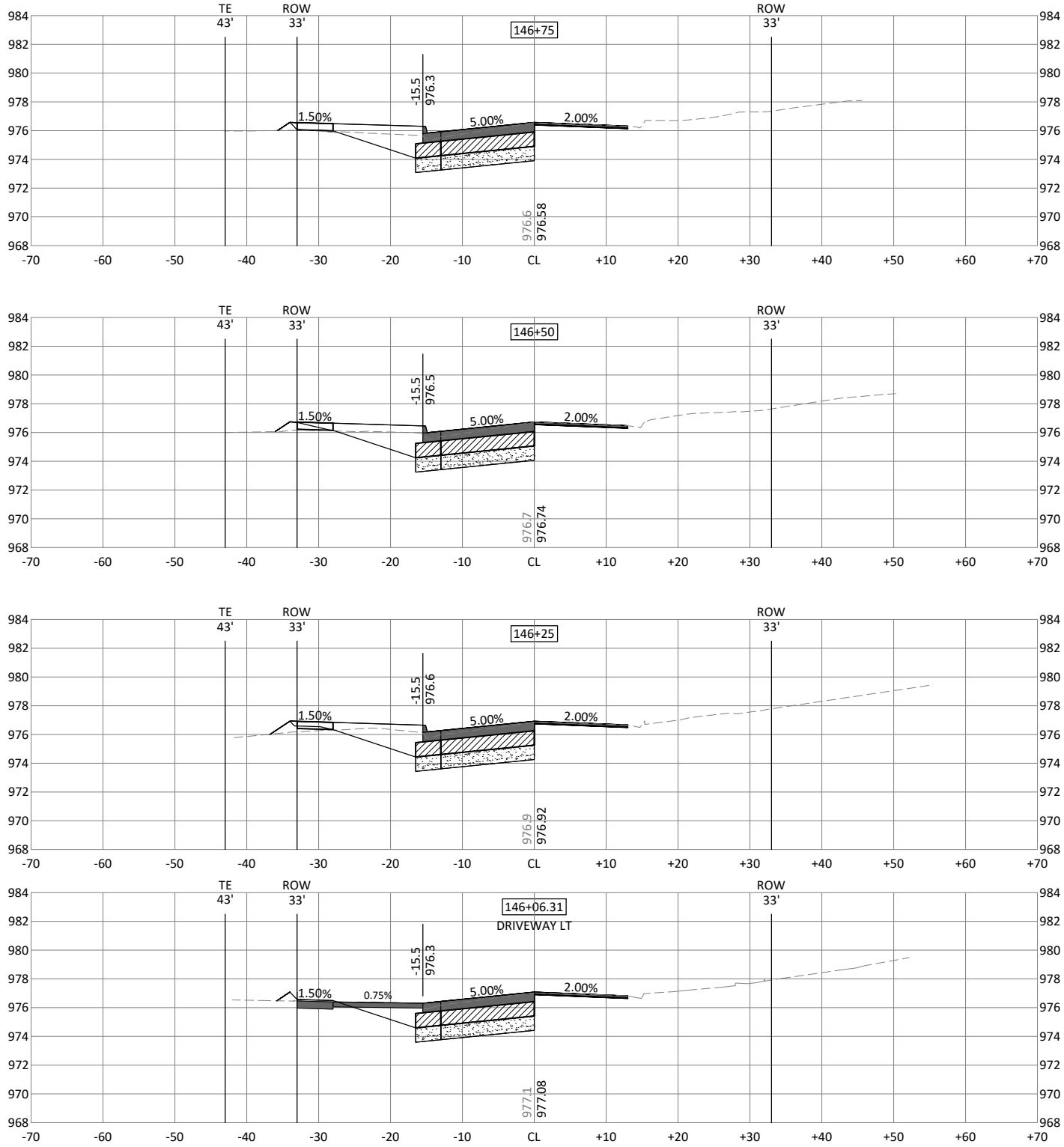
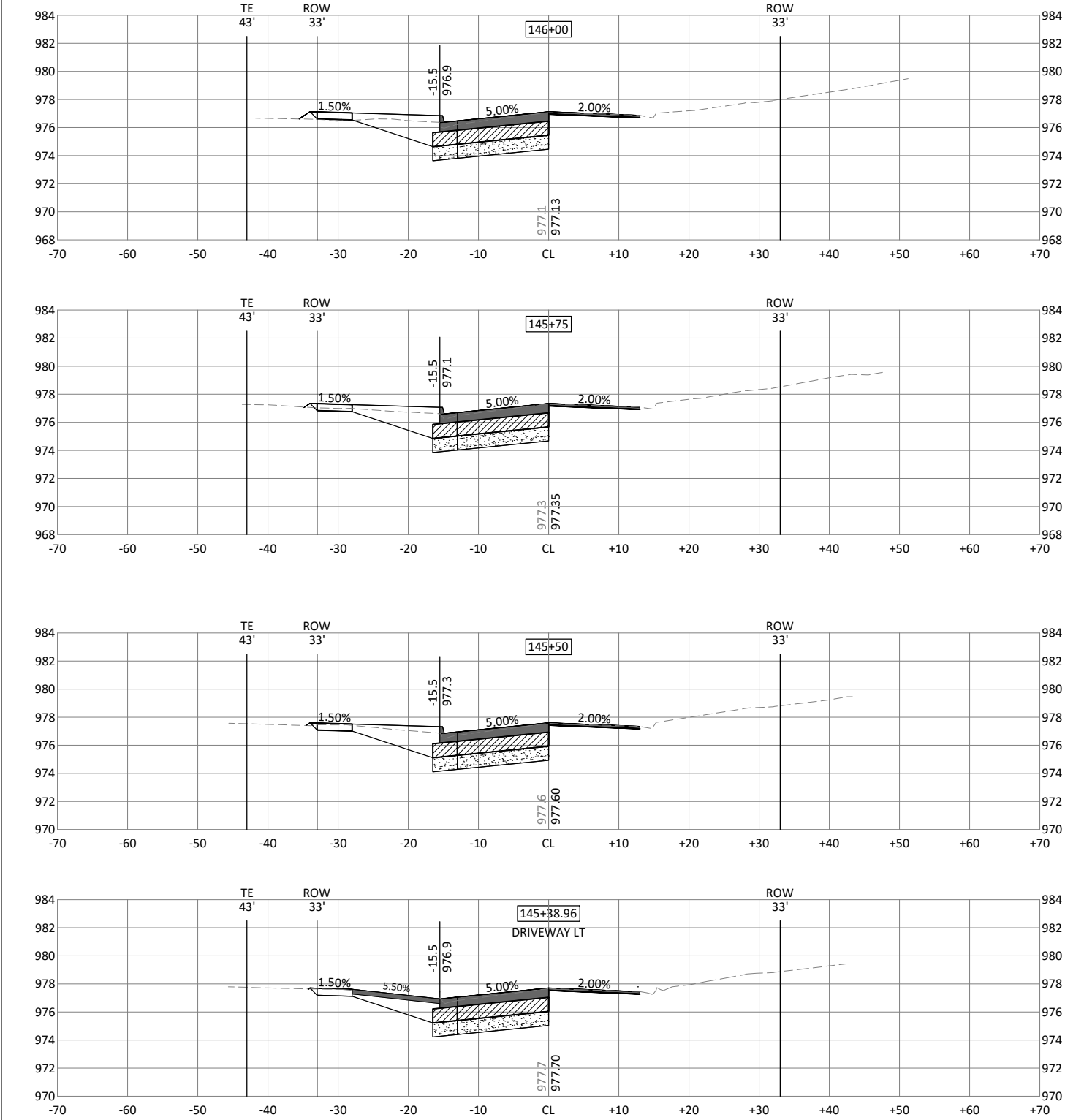
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

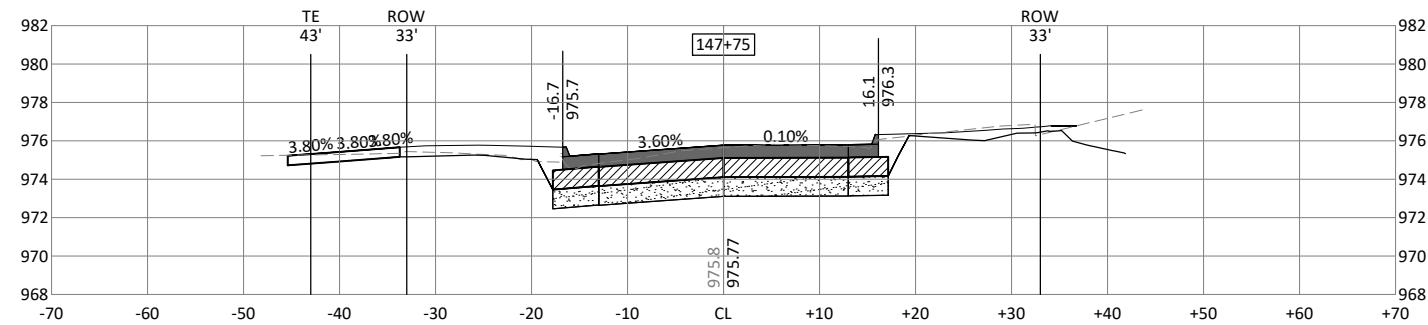
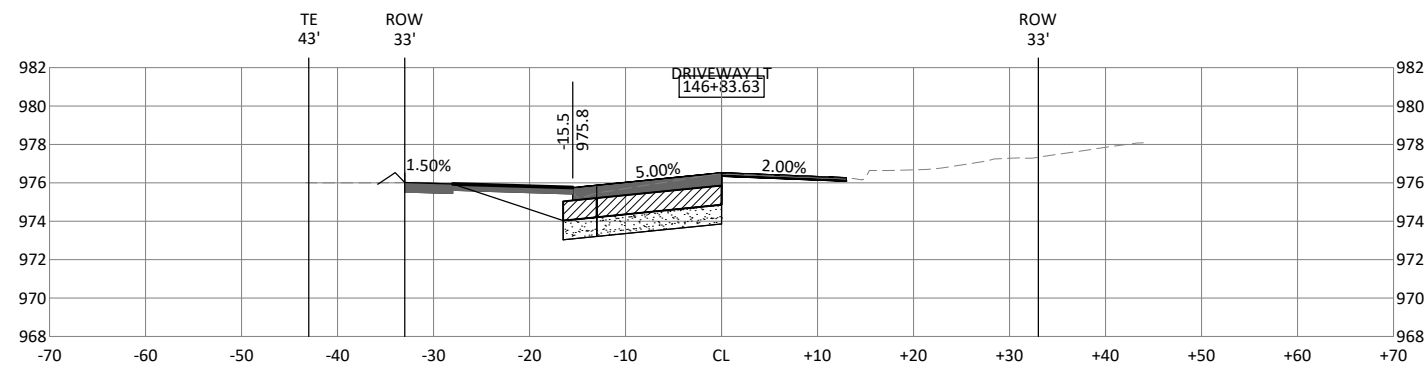
ROADWAY CROSS SECTIONS
EDGELAND DRIVE



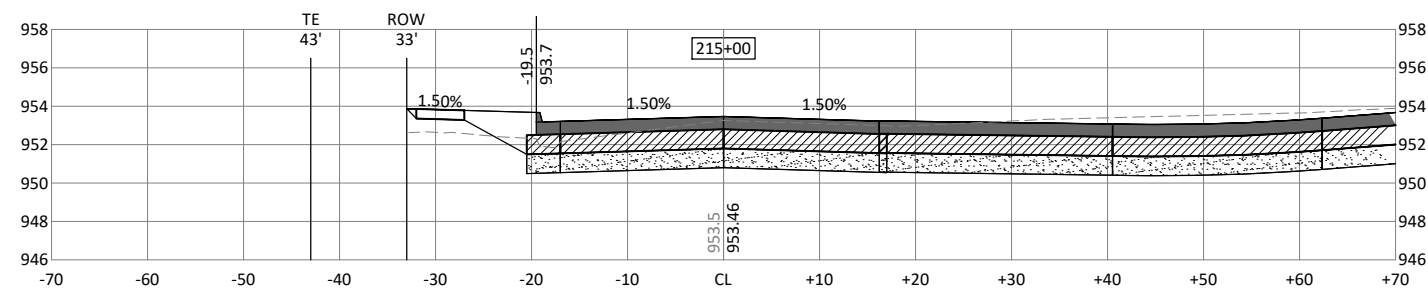
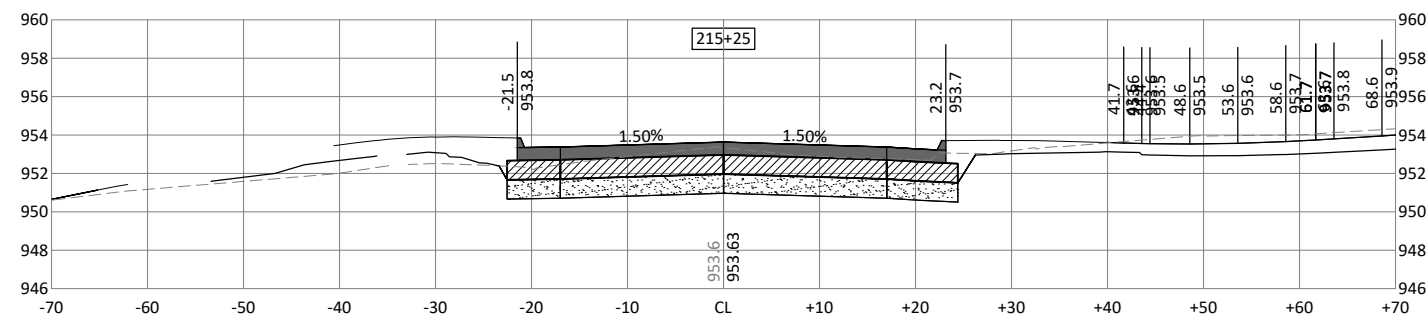
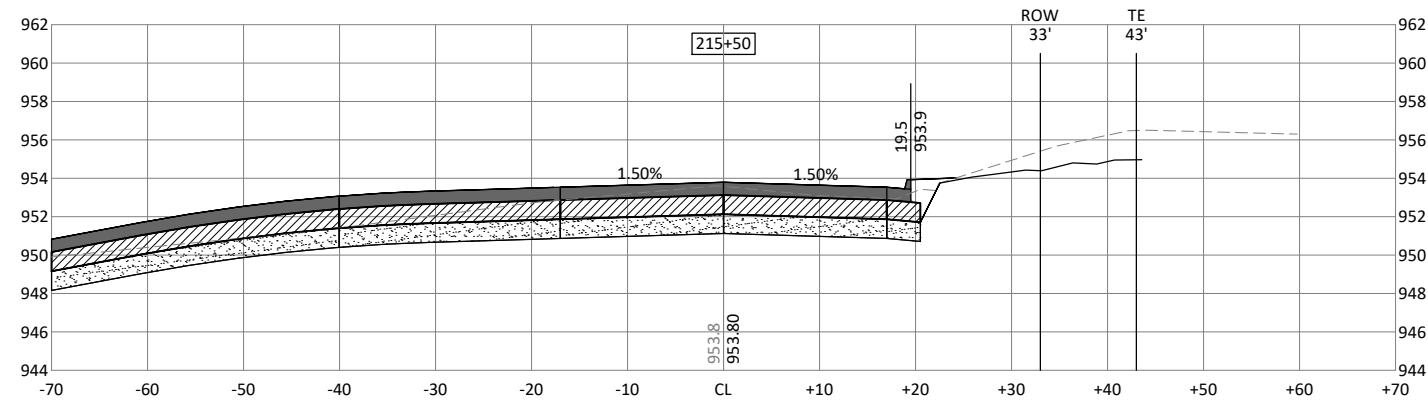
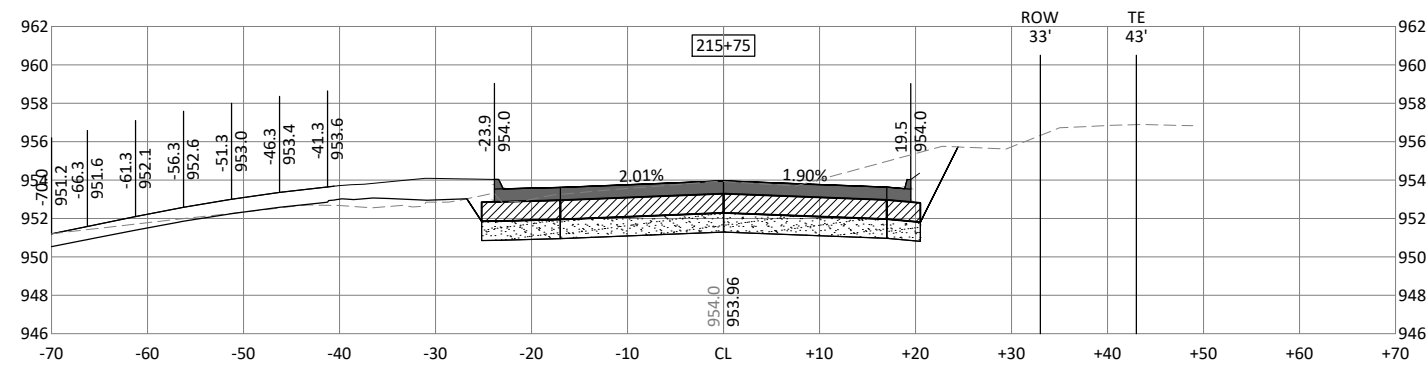
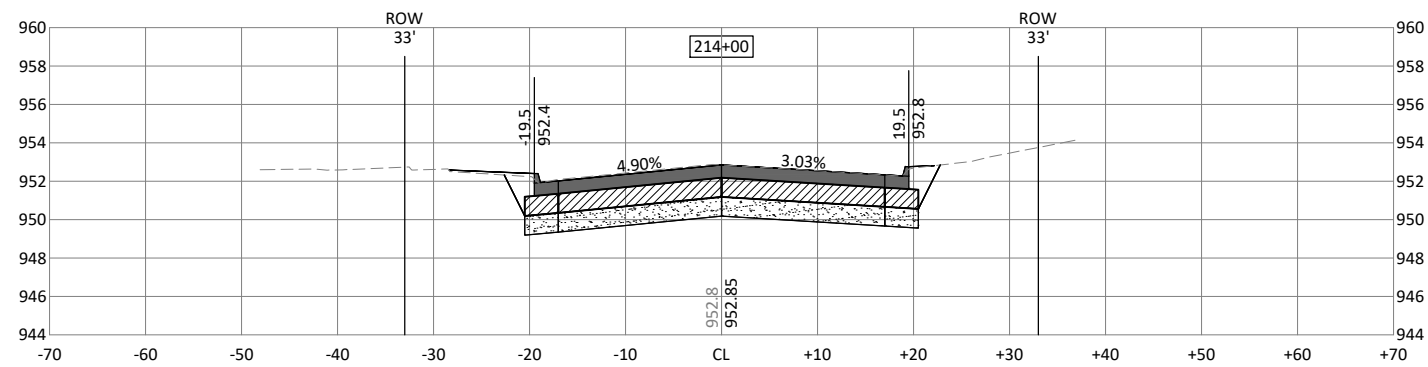
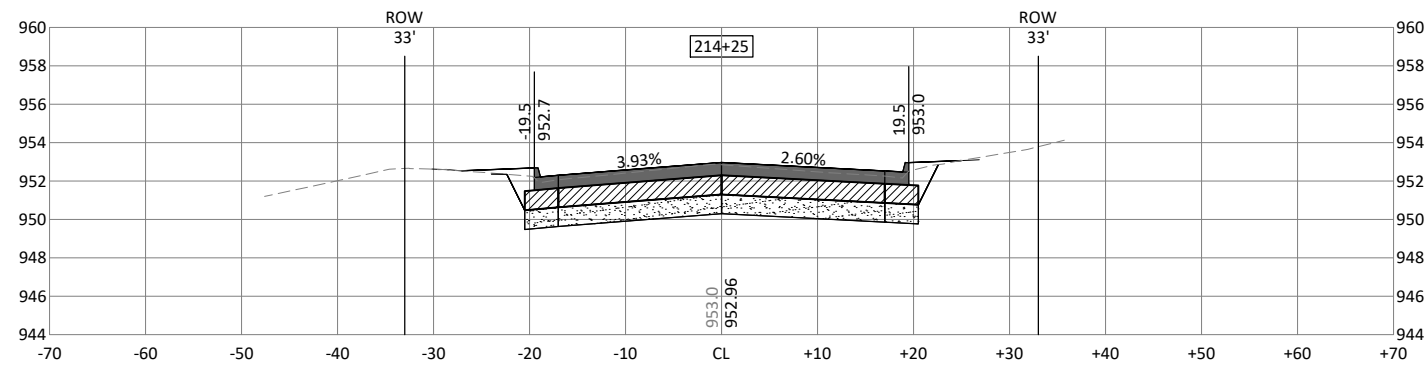
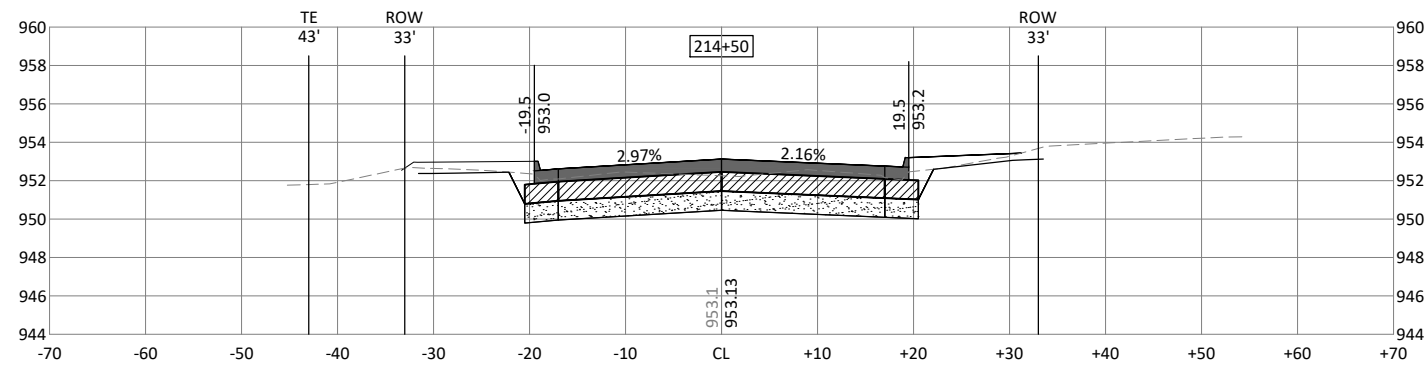
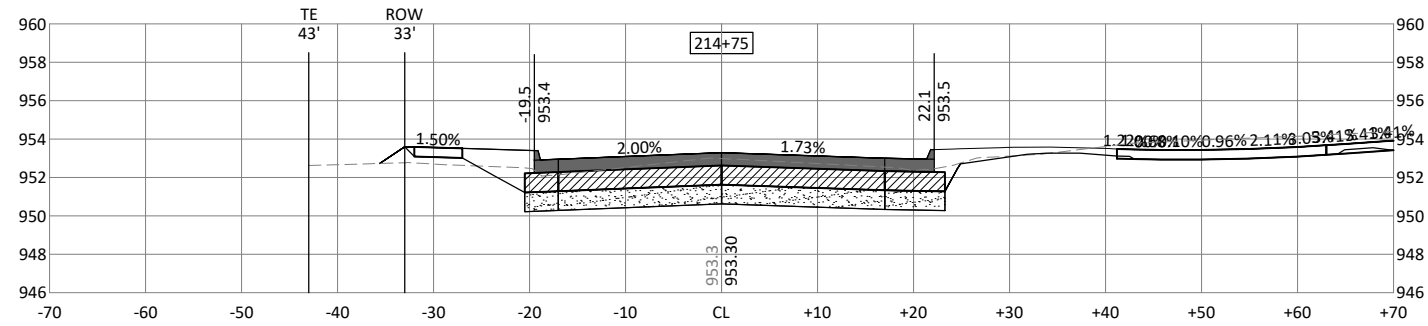
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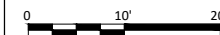




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4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS



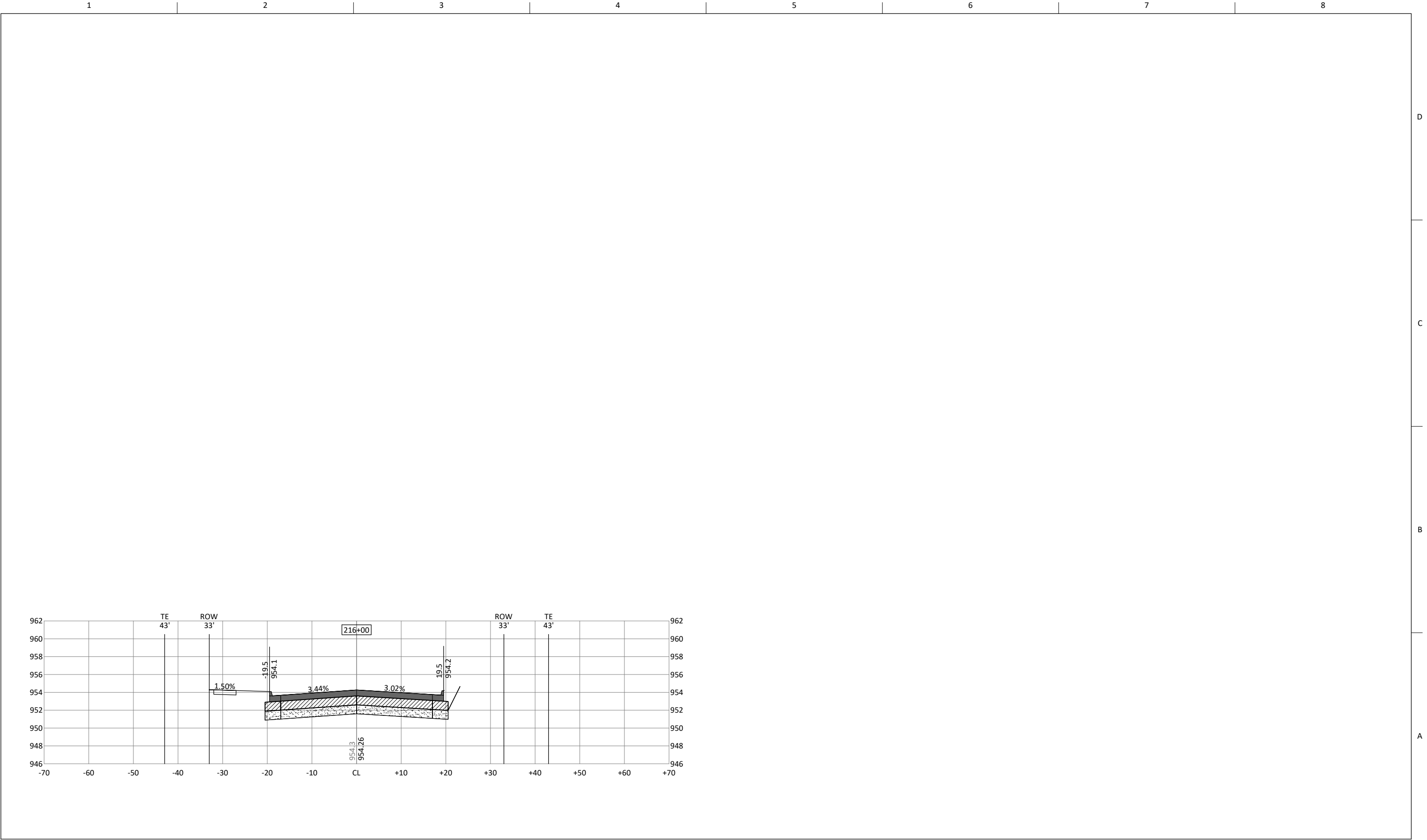
ROADWAY CROSS SECTIONS OLIVE STREET

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SHEET

X.22

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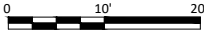
MARSHALLTOWN
IOWA



ISSUE	DATE	DESCRIPTION

4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

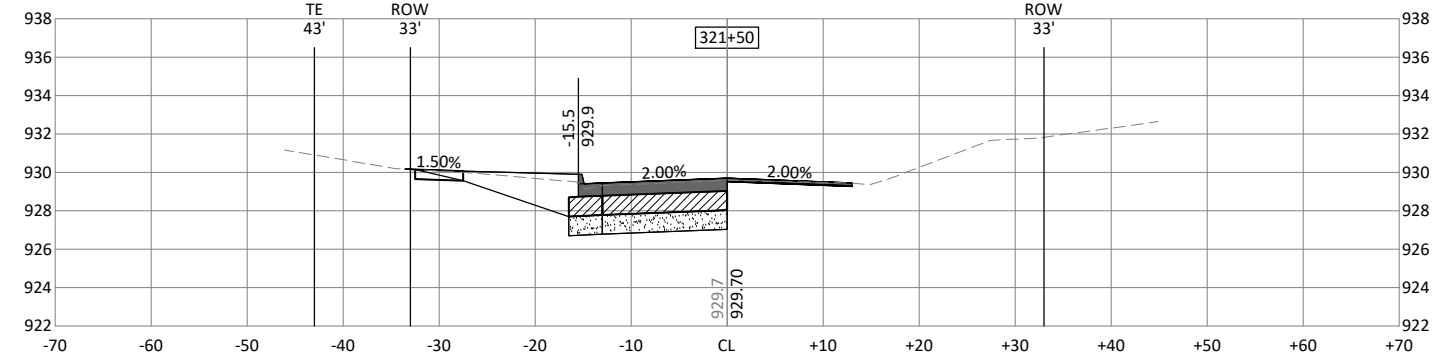
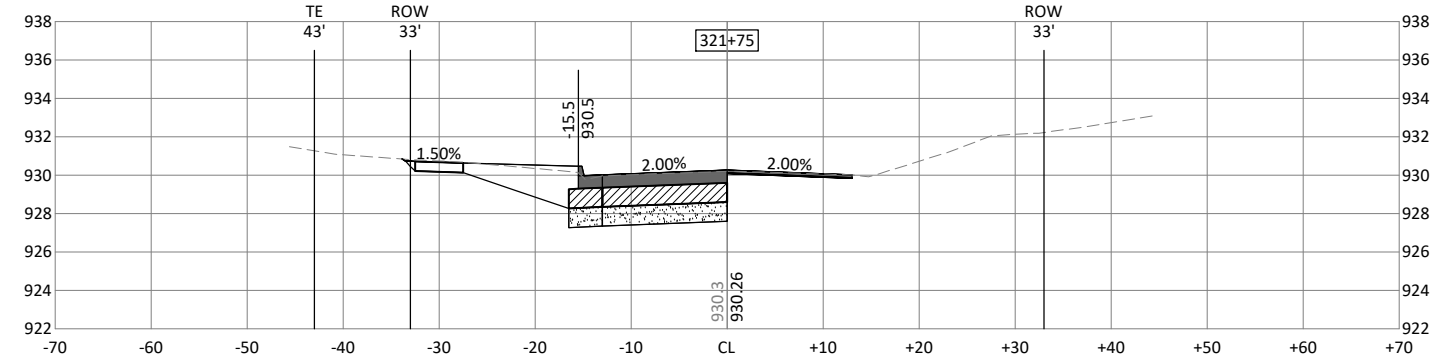
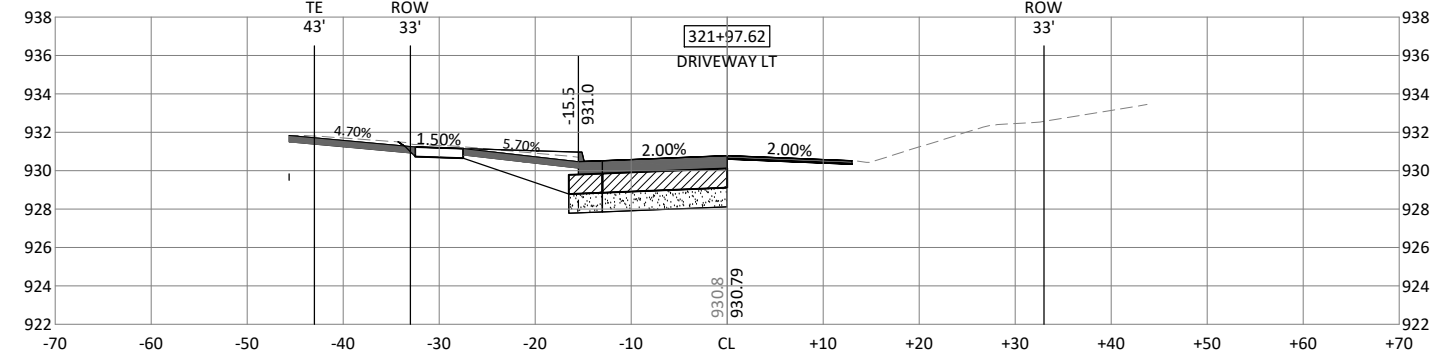
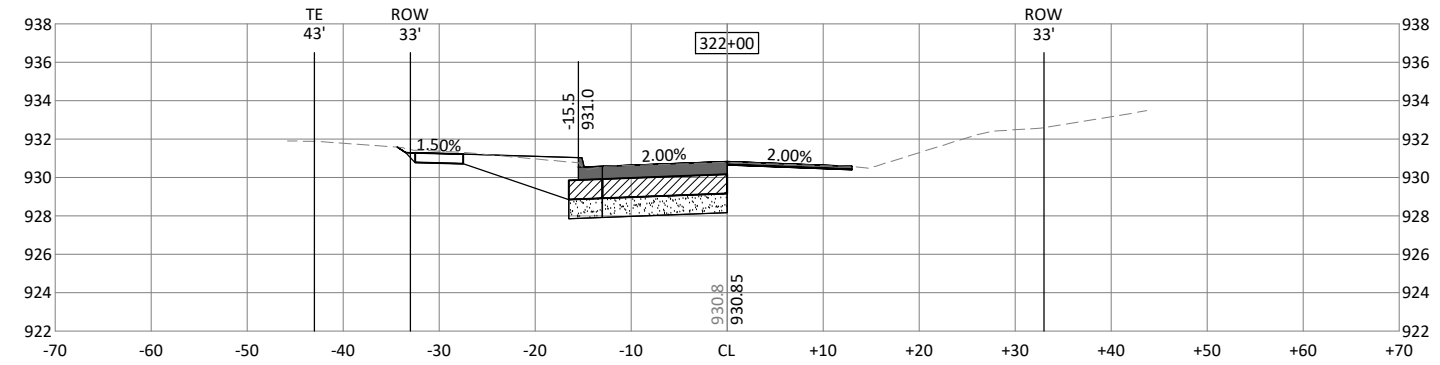
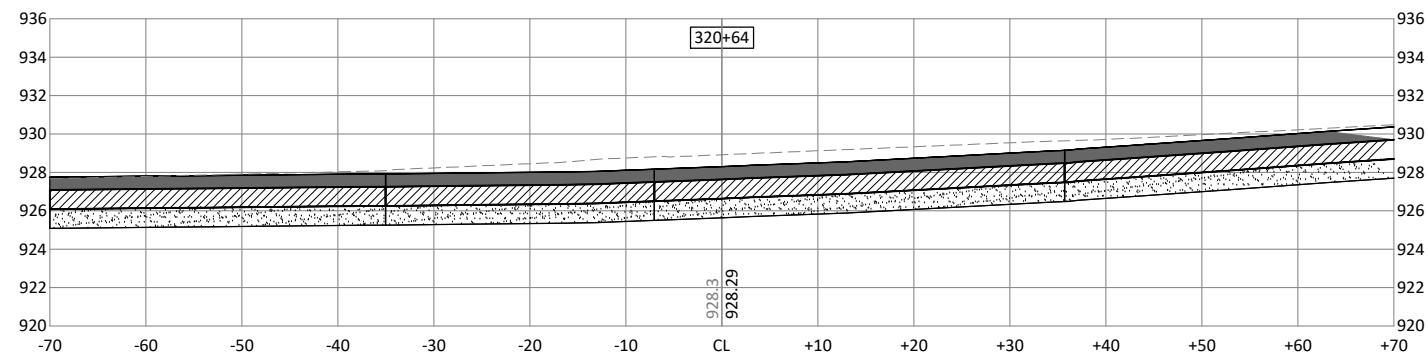
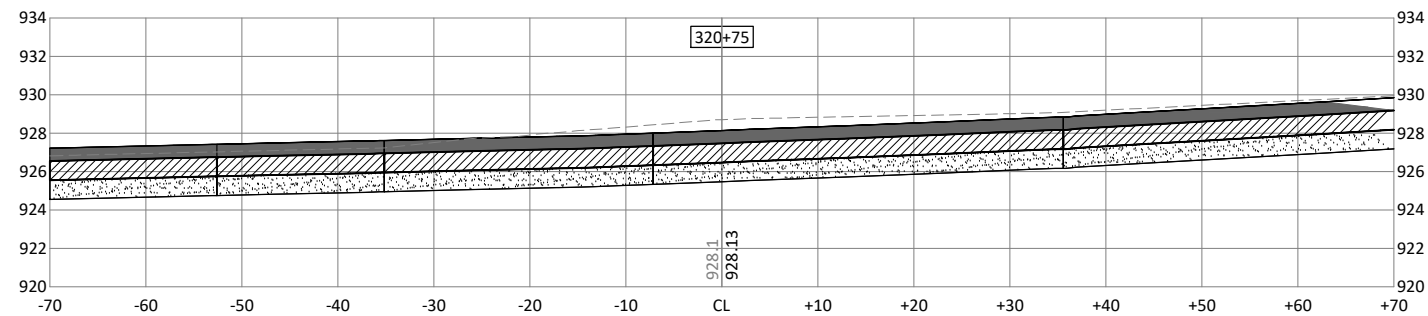
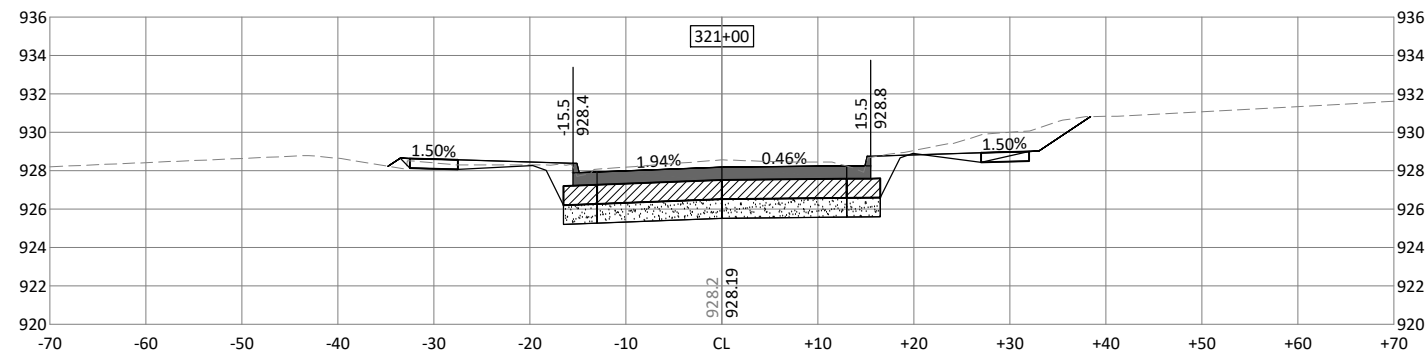
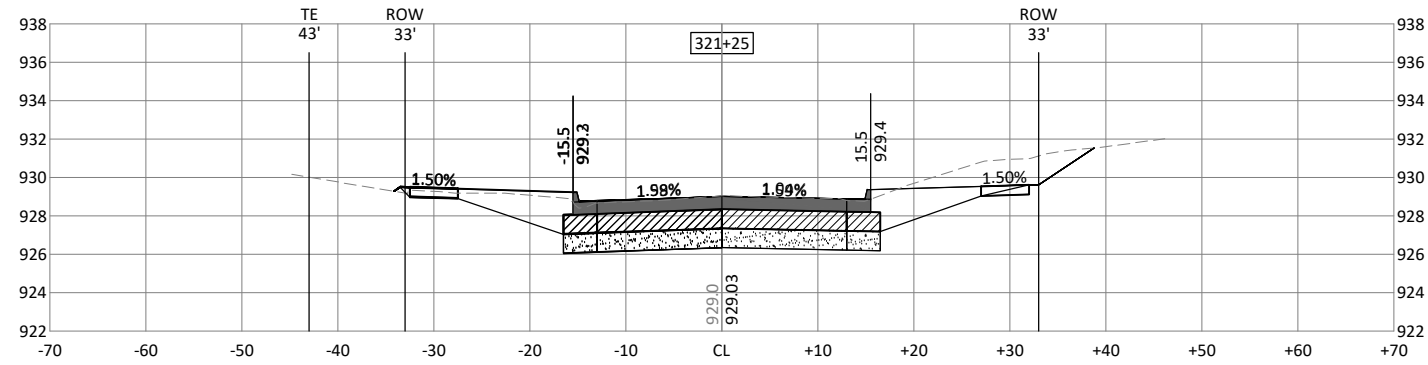
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OLIVE STREET



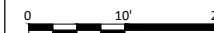
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[illegible]

4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS



ROADWAY CROSS SECTIONS COLUMBUS DRIVE

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SCALE	NA

X.24

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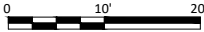
MARSHALLTOWN
IOWA



ISSUE	DATE	DESCRIPTION
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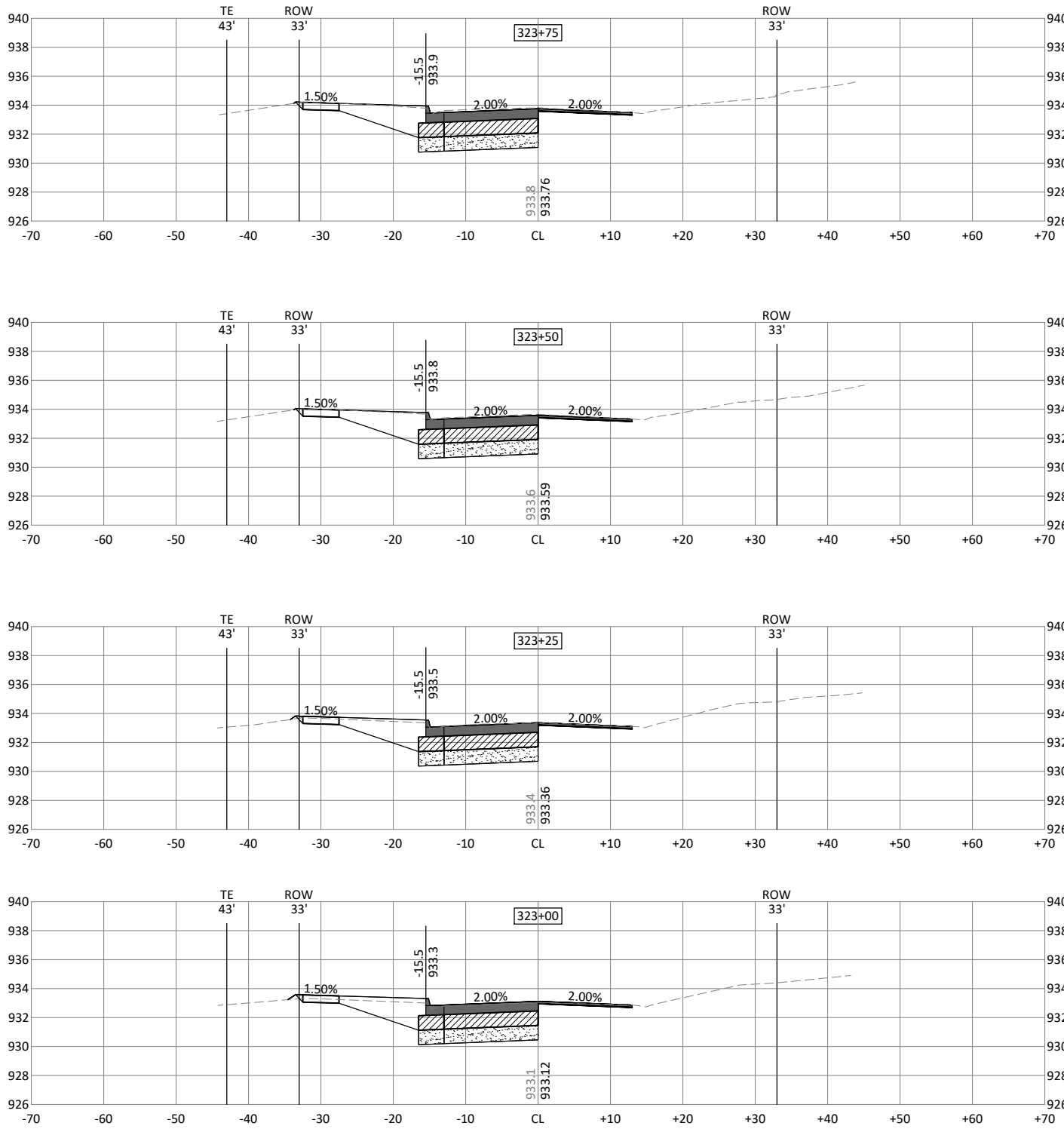
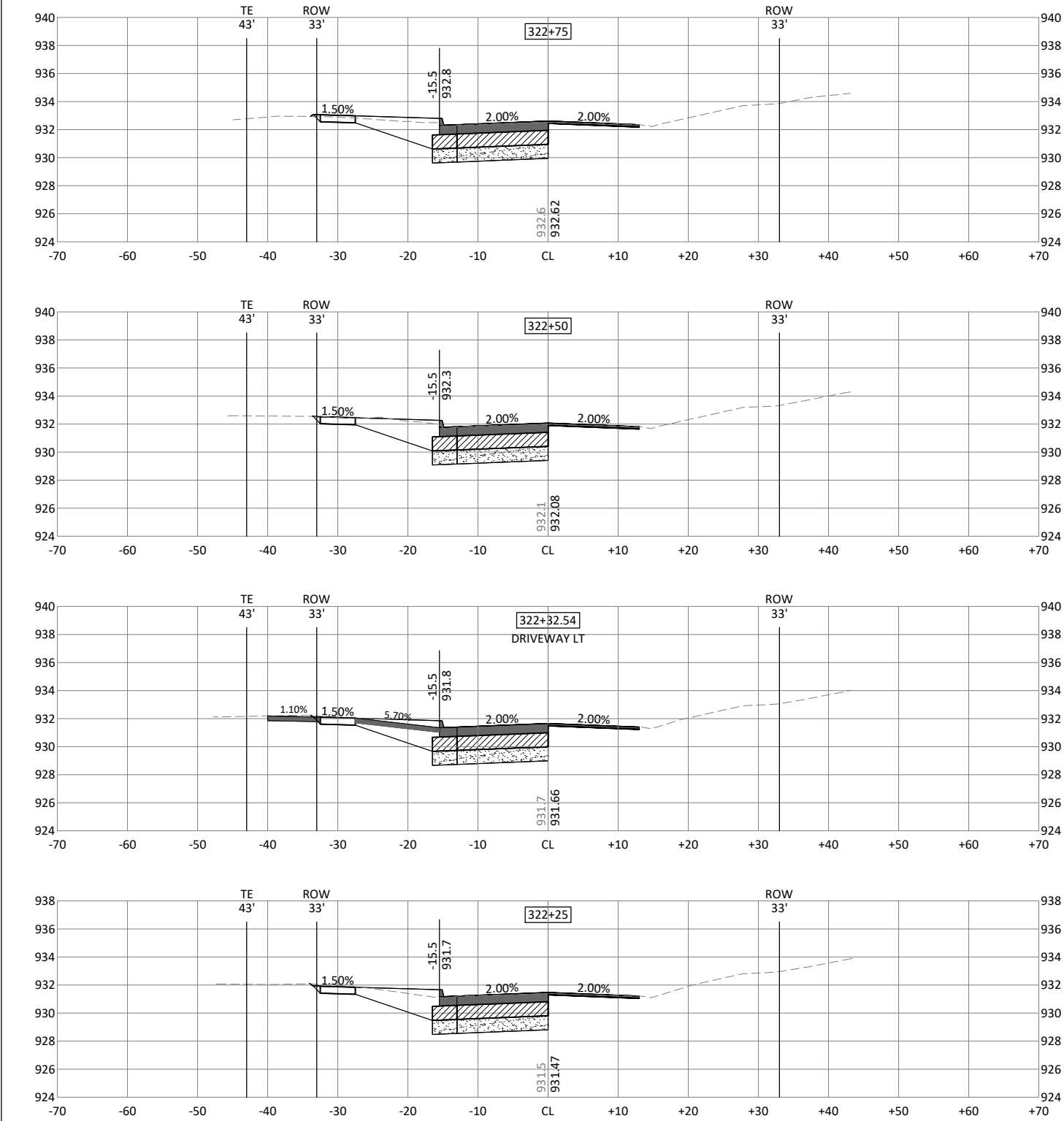
4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

ROADWAY CROSS SECTIONS
COLUMBUS DRIVE

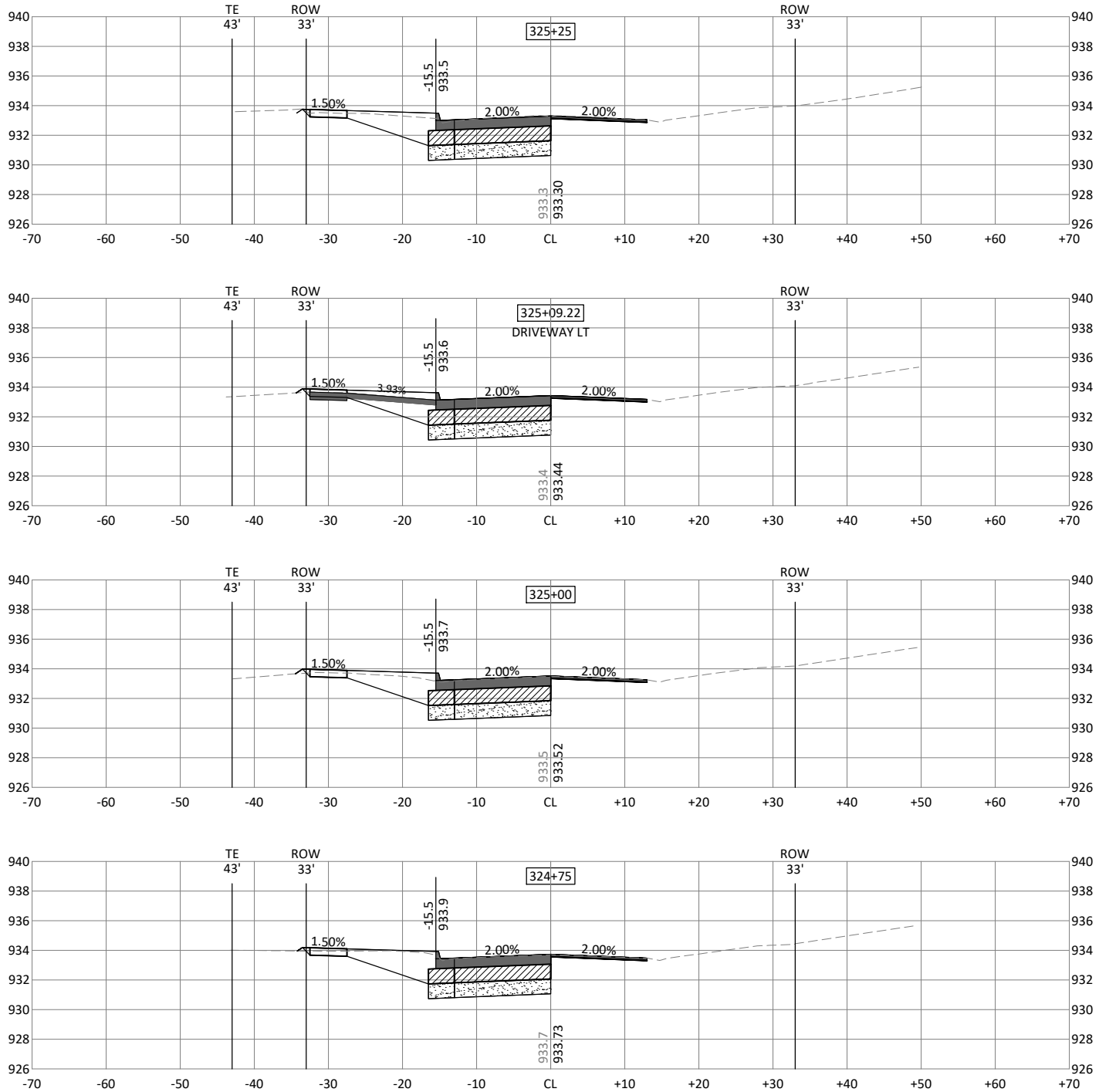
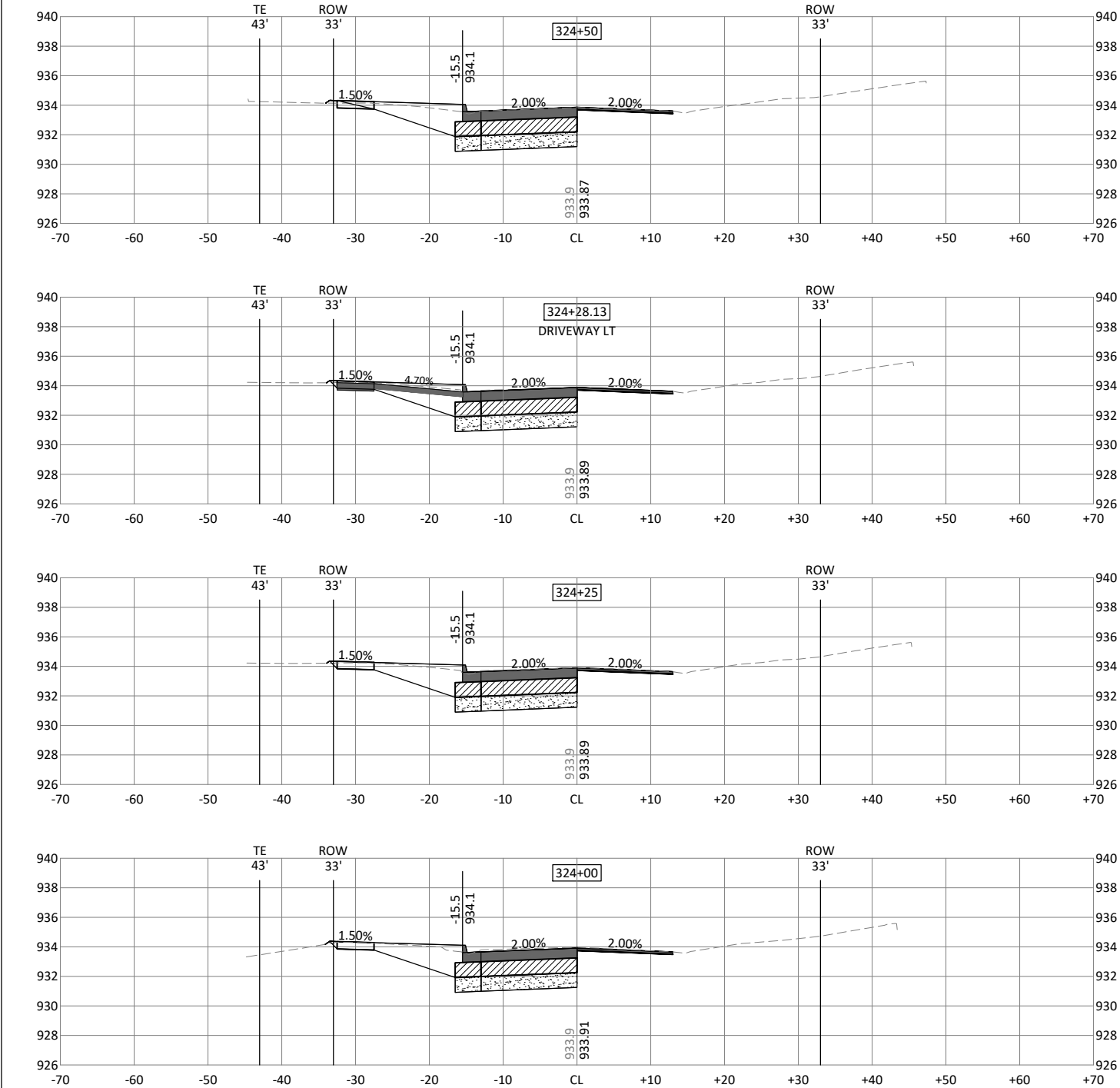


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SHEET	X.25
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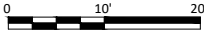
MARSHALLTOWN
IOWA



ISSUE	DATE	DESCRIPTION

4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

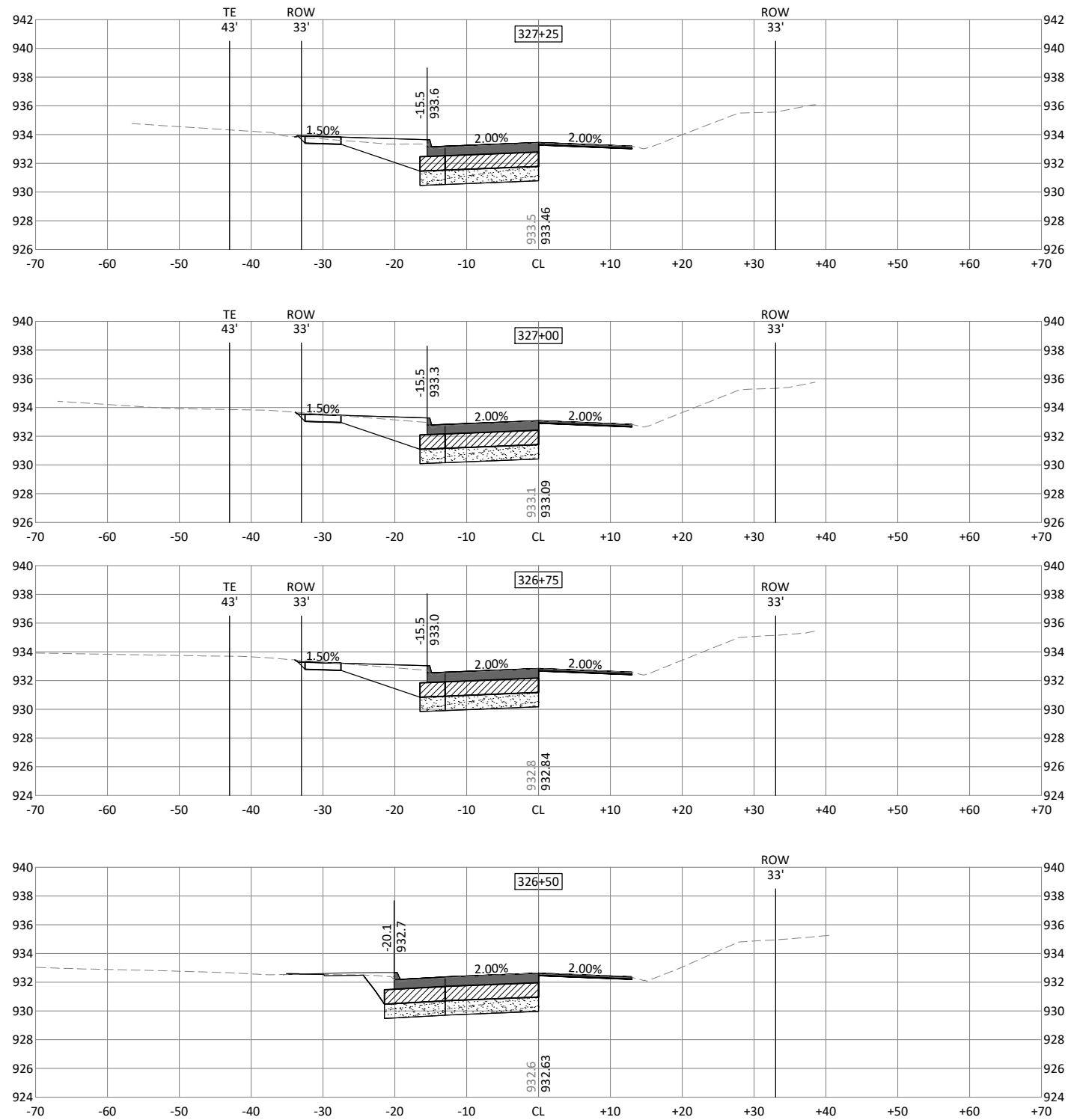
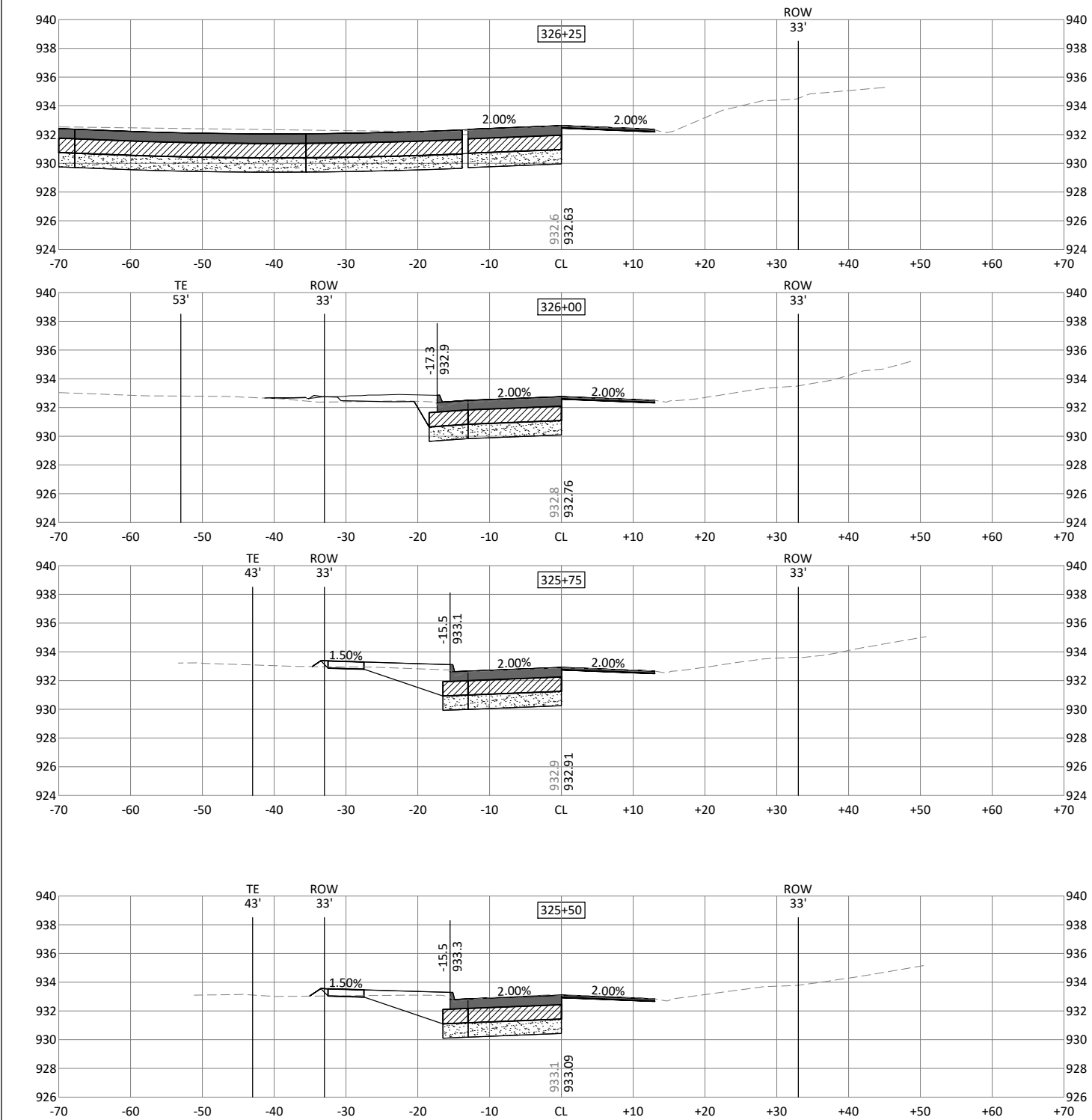
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COLUMBUS DRIVE



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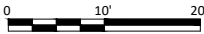
MARSHALLTOWN
IOWA



ISSUE	DATE	DESCRIPTION

4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

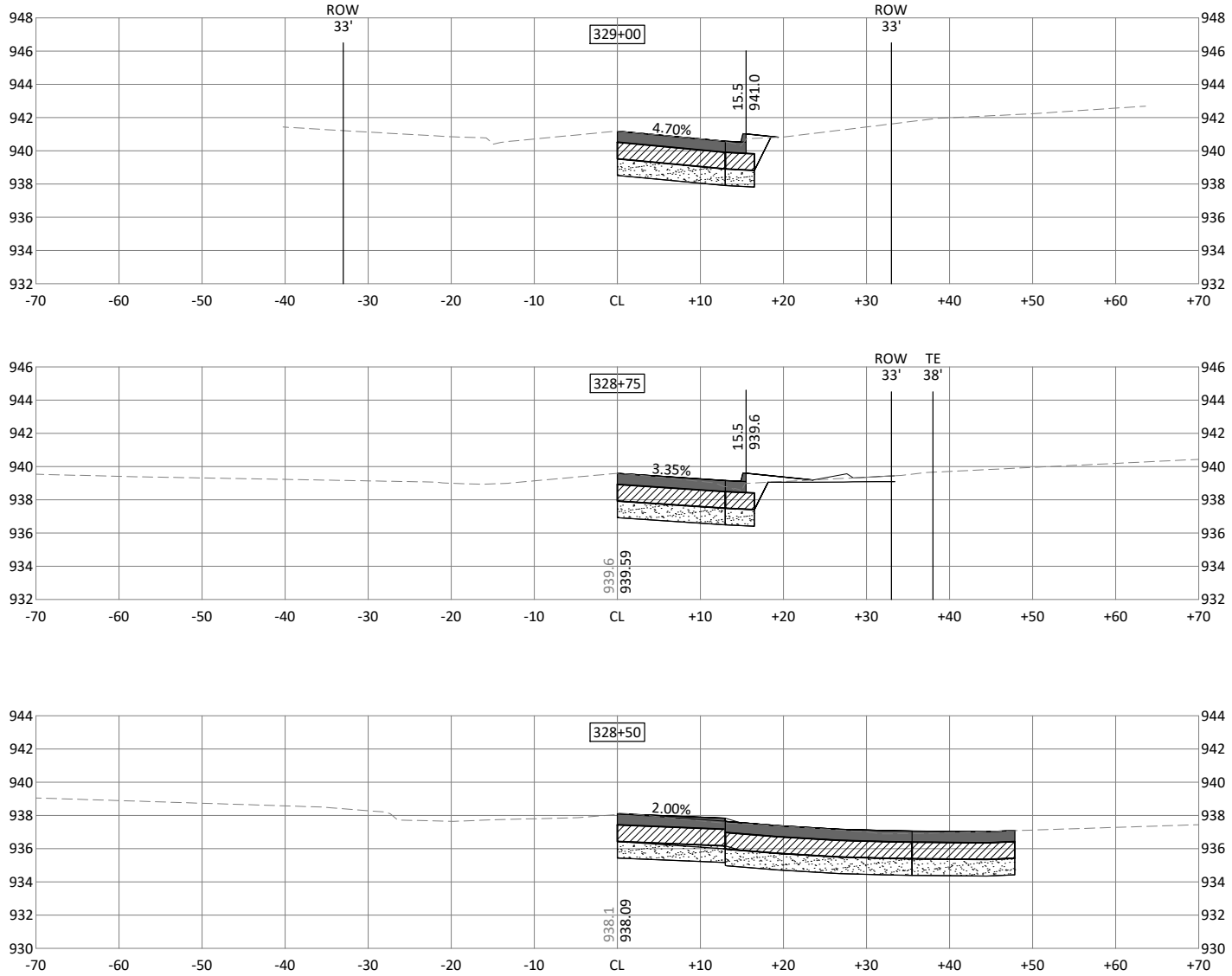
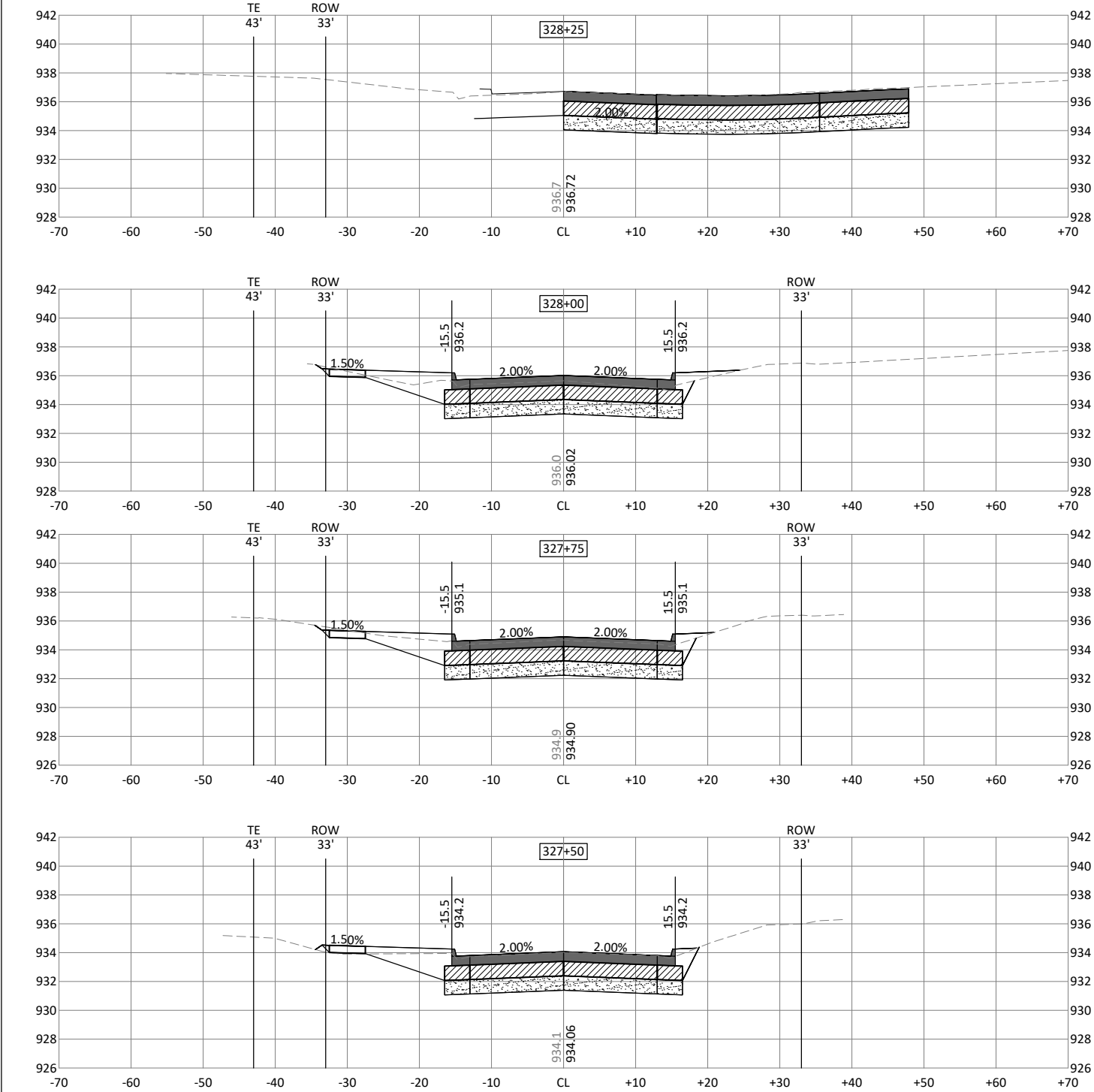
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COLUMBUS DRIVE



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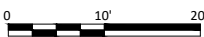
MARSHALLTOWN
IOWA



ISSUE	DATE	DESCRIPTION	

4TH STREET AND MEADOW LANE
STORM SEWER ENHANCEMENTS

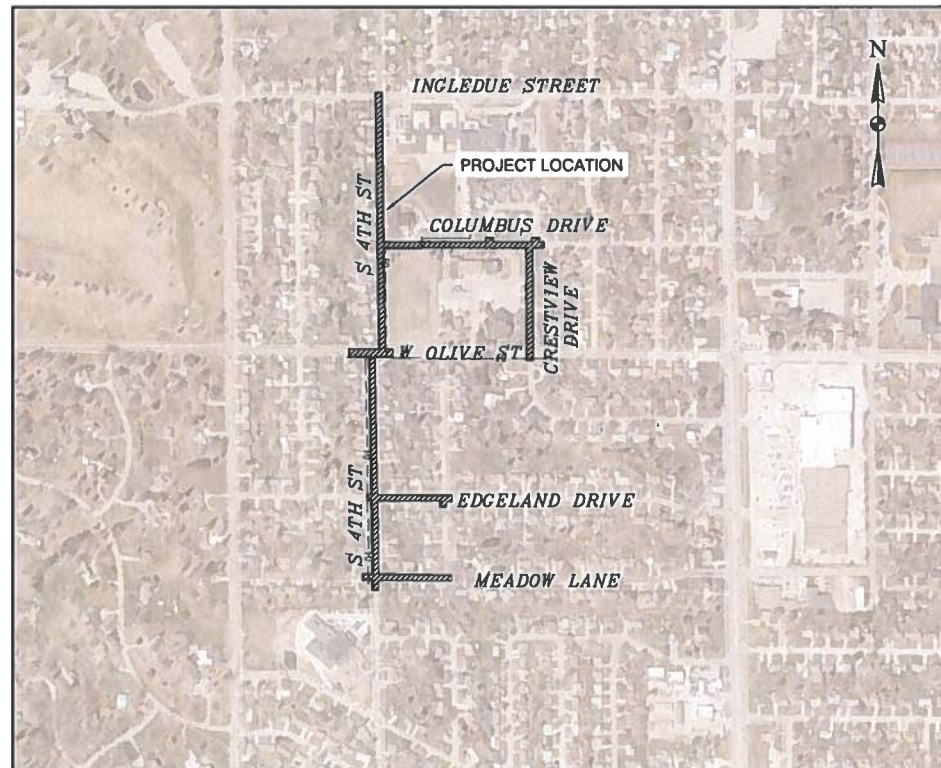
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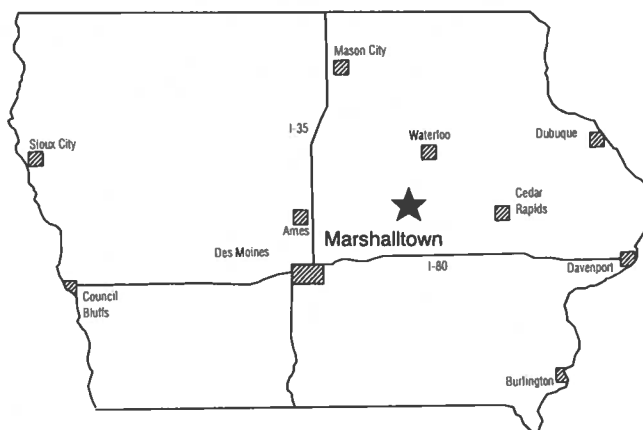
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WATER MAIN RELOCATIONS FOR CITY 4TH & MEADOW LANE STORM SEWER IMPROVEMENTS MARSHALLTOWN, IOWA 2021



**VICINITY MAP -
MARSHALLTOWN, IOWA**

NOT TO SCALE



LOCATION MAP

WATER MAIN RELOCATIONS

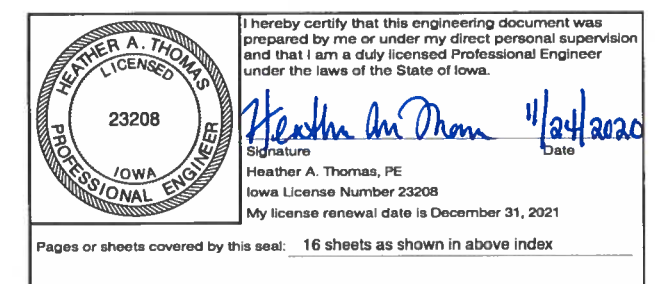
WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH
MARSHALLTOWN WATER WORKS STANDARD
SPECIFICATIONS, THE CITY OF MARSHALLTOWN
STANDARD SPECIFICATIONS, AND THE IOWA STATEWIDE
URBAN STANDARD SPECIFICATIONS FOR PUBLIC
IMPROVEMENTS, 2020 EDITION (SUDAS)

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
A.01	TITLE SHEET
A.02	SYMBOLS, LEGEND AND GENERAL INFORMATION
A.03	OVERALL SITE
B.01	TYPICAL DETAILS
C.01 - C.02	ESTIMATE OF QUANTITIES AND REFERENCE INFORMATION
D.01	INTERSECTION RECONFIGURATION 'A'
D.02	INTERSECTION RECONFIGURATION 'B'
D.03	INTERSECTION RECONFIGURATION 'C'
D.04	INTERSECTION RECONFIGURATION 'D'
D.05	SPOT RELOCATIONS 'A' & 'B'
D.06	SPOT RELOCATIONS 'C' & 'D'
D.07	SPOT RELOCATIONS 'E' & 'F'
D.08	INTERSECTION RECONFIGURATION 'E'
D.09	INTERSECTION RECONFIGURATION 'F'
D.10	INTERSECTION RECONFIGURATION 'G'



Clapsaddle-Garber Associates, Inc.
16 East Main Street, P.O. Box 754
Marshalltown, Iowa 50158
Phone 641-752-6701
www.cgaconsultants.com



LEGEND

EXISTING	PROPOSED		EXISTING	PROPOSED		EXISTING	PROPOSED	
		EVERGREEN TREE			WATERLINE			SECTION/R.O.W. LINE
		DECIDUOUS TREE			WATER VALVE			BOUNDARY LINE
		FRUIT TREE			FIRE HYDRANT			PROPERTY LINE
		SHRUBS (BUSHES)			WATER METER			EASEMENT LINE
		TREE LINE			CURB STOP			SETBACK LINE
		STUMP			YARD HYDRANT			R.O.W. RAIL OR LOT CORNER
		SWAMP			FIRE DEPT. CONNECTION			CONCRETE MONUMENT
		CEMETERY			POST INDICATOR VALVE			GOVERNMENT CORNER MONUMENT
		GRAVE			SANITARY SEWER LINE			PARCEL OR LOT CORNER MONUMENT
		CAVE			STORM SEWER LINE			TEMP. CONSTRUCTION EASEMENT CORNER
		SINK HOLE			DRAIN TILE			SURVEY CONTROL POINT
		WELL			SUBDRAIN	UTILITY LINETYPES WITH A QUALITY LEVEL INDICATOR (*) HAVE BEEN LOCATED PER THE FOLLOWING ASCE STANDARD GUIDELINE FOR THE COLLECTION & DEPICTION OF EXISTING SUBSURFACE UTILITY DATA*: (A) - PRECISE HORIZONTAL & VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED & SURVEYED UTILITIES) & SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES, USUALLY AT A SPECIFIC POINT. MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT IS TYPICALLY USED TO MINIMIZE THE POTENTIAL FOR UTILITY DAMAGE. A PRECISE HORIZONTAL & VERTICAL LOCATION, AS WELL AS OTHER UTILITY ATTRIBUTES, IS SHOWN ON PLAN DOCUMENTS. ACCURACY IS TYPICALLY SET TO 15- MM VERTICAL & TO APPLICABLE HORIZONTAL SURVEY & MAPPING ACCURACY AS DEFINED OR EXPECTED BY THE PROJECT OWNER. (B) - INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE & APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT & REDUCED ONTO PLAN DOCUMENTS. (C) - INFORMATION OBTAINED BY SURVEYING & PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES & BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION. (D) - INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS.		
		WINDMILL			MANHOLE			
		CISTERN			CLEANOUT			
		SEPTIC TANK			INTAKE			
		LP GAS TANK			BEEHIVE INTAKE			
		UNDERGROUND STORAGE TANK			ROOF DRAIN	NOTES: 1. ALL BEARINGS ARE THE RESULT OF G.P.S. OBSERVATIONS. 2. MINIMUM DEPTH OF COVER ON WATER MAINS SHALL BE 5.0'. 3. ALL UNDERGROUND UTILITIES ON THIS SITE HAVE BEEN LOCATED AT ASCE LEVEL C OR D SURVEY QUALITY. THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN.		
		SATELLITE DISH			ROOF DRAIN (SURFACE)			
		SIGN (TYPE AS NOTED)			ROOF DRAIN (UNDERGROUND)			
		FLAGPOLE			GAS LINE			
		SOIL BORING			GAS VALVE			
		MONITORING WELL			GAS METER	DATE OF PREPARATION: 2020		
		PARKING METER			OVERHEAD ELECTRICAL LINE			
		MAILBOX			BURIED ELECTRICAL LINE			
		POST			POWER POLE			
		BOLLARD			ELECTRICAL METER			
		SPRINKLER HEAD			ELECTRICAL HIGHLINE TOWER	SURVEY WORK COMPLETED: SUMMER 2019		
		SPRINKLER HEAD VALVE			TRAFFIC SIGNAL			
		GUARDRAIL (BEAM OR CABLE)			STREET LIGHT			
		FENCE			LUMINAIRE			
		TILE OUTLET			ELECTRICAL BOX/TRANSFORMER			
		DRAINAGE WAY			FIBER OPTICS LINE	WATER MAIN FITTING KEY VALVE COUPLING HYDRANT TEE 90° ELBOW 45° ELBOW MJ ADAPTER		
		EDGE OF WATER			FIBER OPTICS BOX			
		SILT FENCE			FIBER PEDESTAL			
		CONTOUR LINE			TELEPHONE LINE			
		SPOT ELEVATION			TELEPHONE POLE			
		BUILDING			TELEPHONE PEDESTAL	BENCHMARKS & CONTROL POINTS KEY		
					TELEPHONE BOX			
					CABLE TELEVISION LINE			
					TELEVISION PEDESTAL			
					TELEVISION BOX			
					AIR CONDITIONER	THE WATER MAIN RELOCATIONS ARE BEING COMPLETED AHEAD AND DURING THE CITY OF MARSHALLTOWN PROJECT, "4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS". THESE RELOCATIONS ARE BEING DONE TO ACCOMMODATE STORM SEWER IMPROVEMENTS AND AVOID UTILITY CONFLICTS. THESE PLANS MAY REFERENCE ADDITIONAL SHEETS NOT INCLUDED IN THIS PLAN SET; THESE ARE IN REFERENCE TO THE CONTRACT DRAWINGS FOR THE ABOVE NOTED PROJECT.		

EXISTING	PROPOSED	
		WATERLINE
		WATER VALVE
		FIRE HYDRANT
		WATER METER
		CURB STOP
		YARD HYDRANT
		FIRE DEPT. CONNECTION
		POST INDICATOR VALVE
		SANITARY SEWER LINE
		STORM SEWER LINE
		DRAIN TILE
		SUBDRAIN
		MANHOLE
		CLEANOUT
		INTAKE
		BEEHIVE INTAKE
		ROOF DRAIN
		ROOF DRAIN (SURFACE)
		ROOF DRAIN (UNDERGROUND)
		GAS LINE
		GAS VALVE
		GAS METER
		OVERHEAD ELECTRICAL LINE
		BURIED ELECTRICAL LINE
		POWER POLE
		ELECTRICAL METER
		ELECTRICAL HIGHLINE TOWER
		TRAFFIC SIGNAL
		STREET LIGHT
		LUMINAIRE
		ELECTRICAL BOX/TRANSFORMER
		FIBER OPTICS LINE
		FIBER OPTICS BOX
		FIBER PEDESTAL
		TELEPHONE LINE
		TELEPHONE POLE
		TELEPHONE PEDESTAL
		TELEPHONE BOX
		CABLE TELEVISION LINE
		TELEVISION PEDESTAL
		TELEVISION BOX
		AIR CONDITIONER

UTILITY LINETYPES WITH A QUALITY LEVEL INDICATOR (*) HAVE BEEN LOCATED PER THE FOLLOWING ASCE STANDARD GUIDELINE FOR THE COLLECTION & DEPICTION OF EXISTING SUBSURFACE UTILITY DATA*:

- (A) - PRECISE HORIZONTAL & VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED & SURVEYED UTILITIES) & SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES, USUALLY AT A SPECIFIC POINT. MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT IS TYPICALLY USED TO MINIMIZE THE POTENTIAL FOR UTILITY DAMAGE. A PRECISE HORIZONTAL & VERTICAL LOCATION, AS WELL AS OTHER UTILITY ATTRIBUTES, IS SHOWN ON PLAN DOCUMENTS. ACCURACY IS TYPICALLY SET TO 15- MM VERTICAL & TO APPLICABLE HORIZONTAL SURVEY & MAPPING ACCURACY AS DEFINED OR EXPECTED BY THE PROJECT OWNER.
- (B) - INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE & APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT & REDUCED ONTO PLAN DOCUMENTS.
- (C) - INFORMATION OBTAINED BY SURVEYING & PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES & BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.
- (D) - INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS.

NOTES:

- ALL BEARINGS ARE THE RESULT OF G.P.S. OBSERVATIONS.
- MINIMUM DEPTH OF COVER ON WATER MAINS SHALL BE 5.0'.
- ALL UNDERGROUND UTILITIES ON THIS SITE HAVE BEEN LOCATED AT ASCE LEVEL C OR D SURVEY QUALITY. THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN.

DATE OF PREPARATION:

2020

SURVEY WORK COMPLETED:

SUMMER 2019

WATER MAIN FITTING KEY

- VALVE
- COUPLING
- HYDRANT
- TEE
- 90° ELBOW
- 45° ELBOW
- MJ ADAPTER

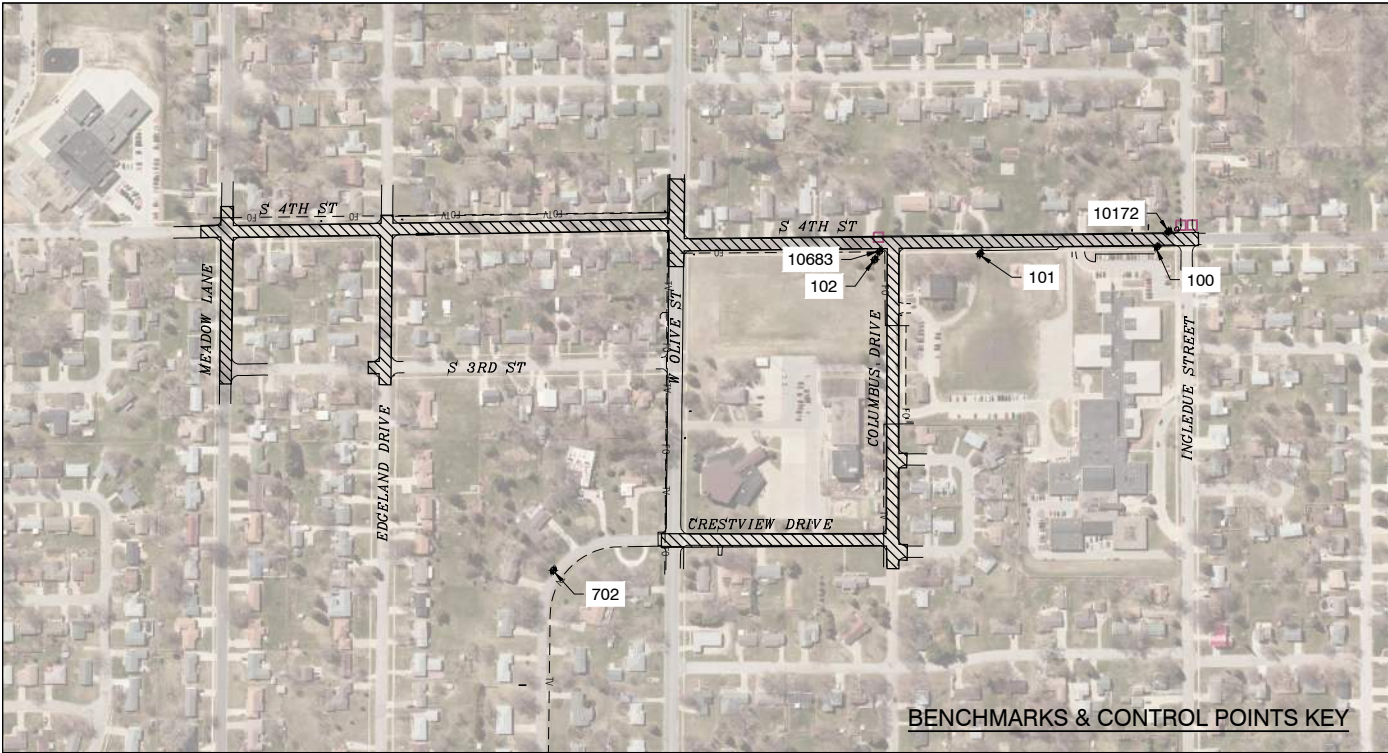
CONTROL POINT			
NUMBER	RAW DESCRIPTION	NORTHING	EASTING
100	60D	7849281.09	19472123.97
101	60D	7848819.61	19472141.54
102	60D	7848545.66	19472156.98
702	MAG NAIL	7847708.70	19472966.27

BENCHMARKS		
NUMBER	RAW DESCRIPTION	ELEVATION
10172	HYDRANT - CUT 'X' E BOLT	915.85
10683	HYDRANT - E BOLT	932.16

UTILITY COMPANIES

THE FOLLOWING UTILITIES ARE PRESENT ON THIS PROJECT

CenturyLink Tom Sturmer	720-578-8090
City of Marshalltown - Sewer Troy McGahuey	641-751-9608
Marshalltown Waterworks Zach Maxfield	641-328-4338
Windstream Communications Locate Desk	800-289-1901
Heart of Iowa Jay Duncan	641-486-2211
Mediacom Patrick Zeimet	845-867-0963
Alliant Energy Fred Leytham Matt Steddum (Gas) Terry Shaffer (Electric)	641-754-5826 641-754-5880 641-754-5829



THE WATER MAIN RELOCATIONS ARE BEING COMPLETED AHEAD AND DURING THE CITY OF MARSHALLTOWN PROJECT, "4TH STREET AND MEADOW LANE STORM SEWER ENHANCEMENTS". THESE RELOCATIONS ARE BEING DONE TO ACCOMMODATE STORM SEWER IMPROVEMENTS AND AVOID UTILITY CONFLICTS. THESE PLANS MAY REFERENCE ADDITIONAL SHEETS NOT INCLUDED IN THIS PLAN SET; THESE ARE IN REFERENCE TO THE CONTRACT DRAWINGS FOR THE ABOVE NOTED PROJECT.

THE CONSTRUCTION OF THE IMPROVEMENTS HEREIN WILL BE CONSTRUCTED IN PART BY MARSHALLTOWN WATER WORKS STAFF WITH OTHERS CONSTRUCTED BY THE CONTRACTOR FOR THE ABOVE NOTED PROJECT. REFER TO OVERALL SITE SHEET FOR INFORMATION ON WHICH RELOCATIONS SHALL BE COMPLETED BY WHICH ENTITY.

TRAFFIC CONTROL AND TEMPORARY SEEDING WILL BE PROVIDED BY MARSHALLTOWN WATER WORKS FOR THOSE RELOCATIONS THEY PERFORM. TRAFFIC CONTROL FOR REMAINING LOCATIONS, PAVEMENT RESTORATIONS, AND SEEDING SHALL BE INCLUDED IN THE CONTRACT FOR THE ABOVE REFERENCED CITY CONTRACT PROJECT.

THE BID CONTRACTOR SHALL COORDINATE SHUT DOWNS AND STAGING OF THE RELOCATIONS WITH MARSHALLTOWN WATER WORKS TO MINIMIZE INTERRUPTIONS TO WATER USERS.



VALUE ENGINEERING SAVES. REFER TO ARTICLE 1105.15 OF THE SPECIFICATIONS.



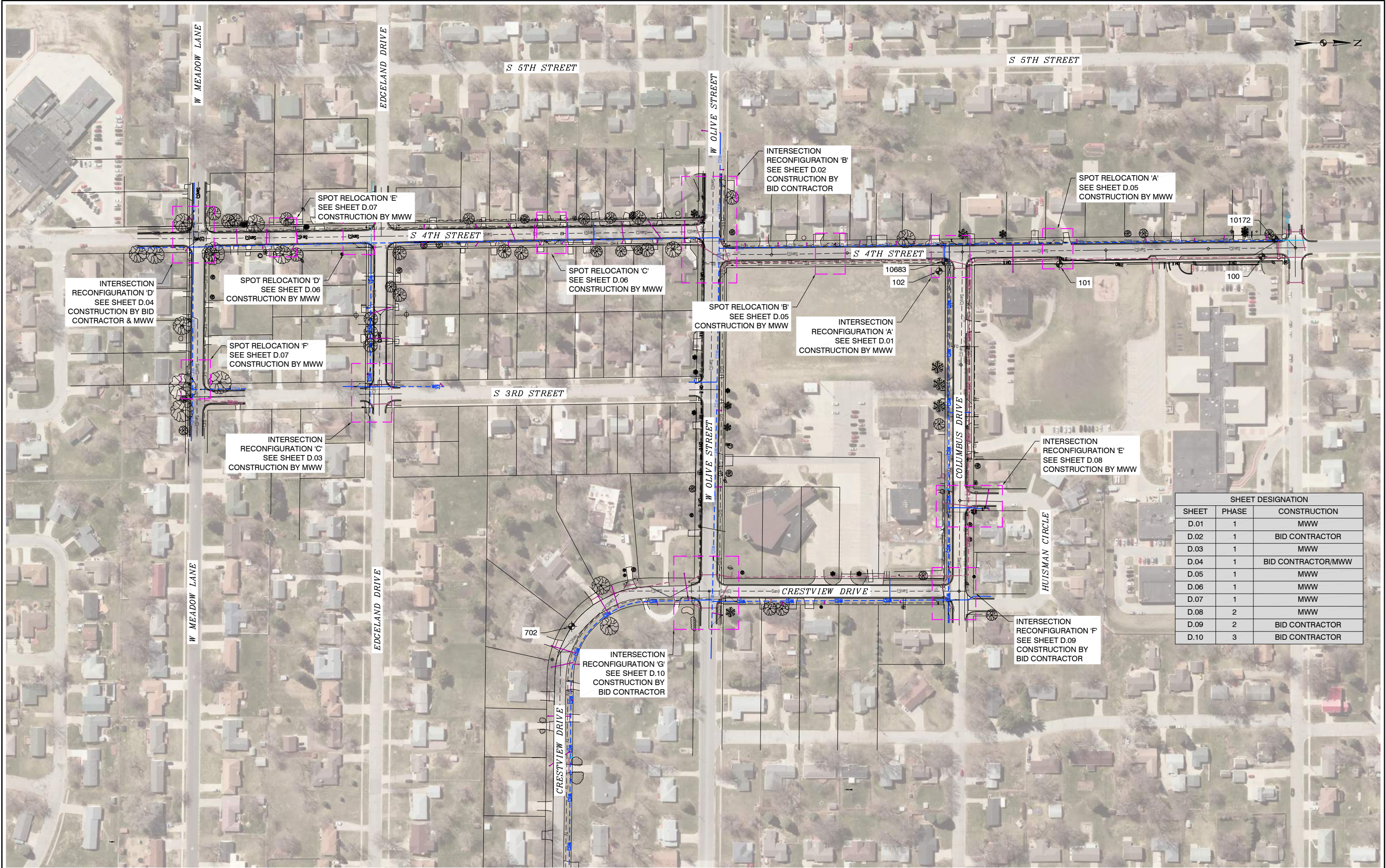
Clapsaddle-Garber Associates, Inc.
Toll Free (800) 542-7961
www.cgaconsultants.com

DESIGNED: _____ DATE: _____
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CHECKED: _____ DATE: _____
APPROVED: _____ DATE: _____

WATER MAIN RELOCATES
MARSHALLTOWN, IOWA

SYMBOLS, LEGEND, AND
GENERAL INFORMATION

PROJECT NO.
8811
SHEET NO.
A.02



SHEET DESIGNATION		
SHEET	PHASE	CONSTRUCTION
D.01	1	MWW
D.02	1	BID CONTRACTOR
D.03	1	MWW
D.04	1	BID CONTRACTOR/MWW
D.05	1	MWW
D.06	1	MWW
D.07	1	MWW
D.08	2	MWW
D.09	2	BID CONTRACTOR
D.10	3	BID CONTRACTOR



NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE



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16 East Main Street
Marshalltown, Iowa 50158
Ph 641-752-6701
www.cgaconsultants.com

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APPROVED: _____	DATE: _____

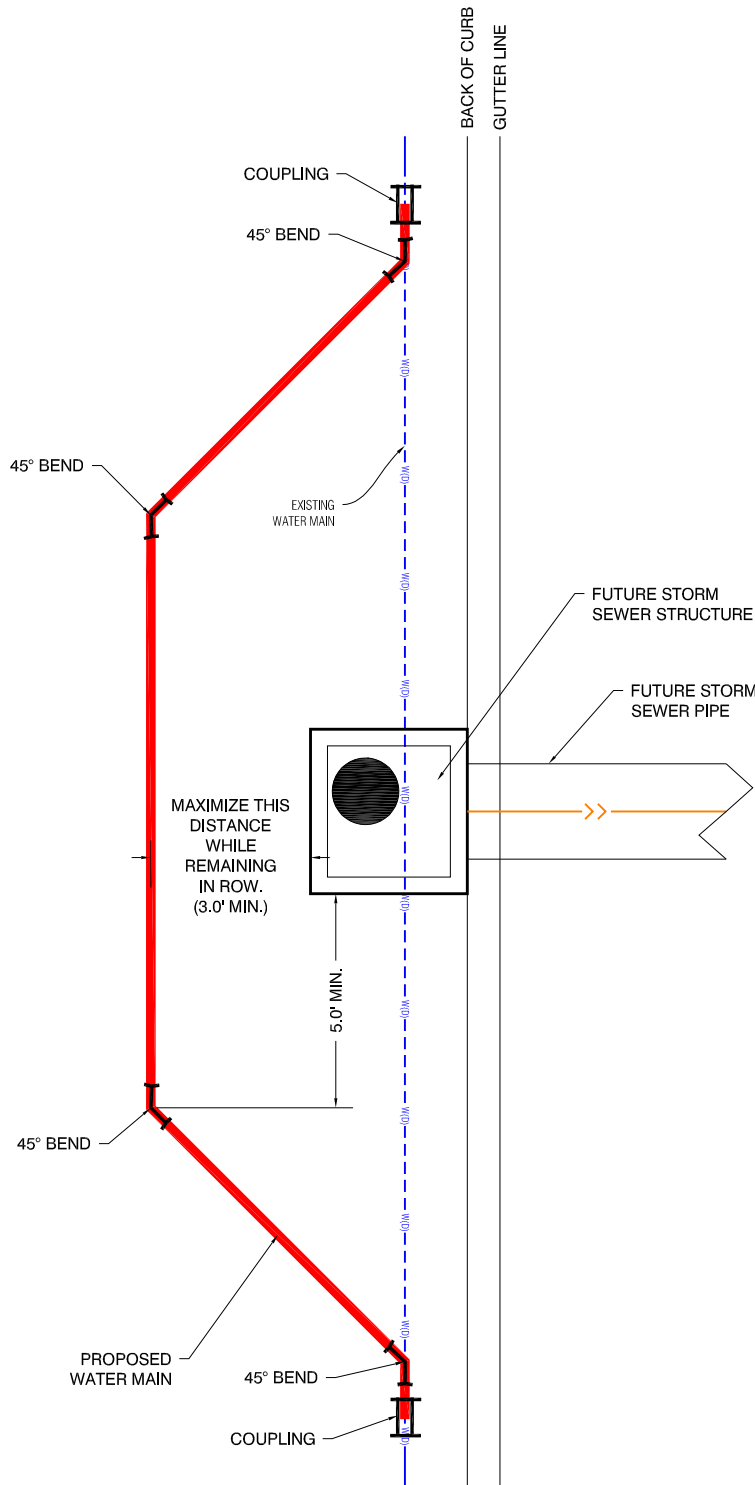
WATER MAIN RELOCATES

MARSHALLTOWN, IOWA

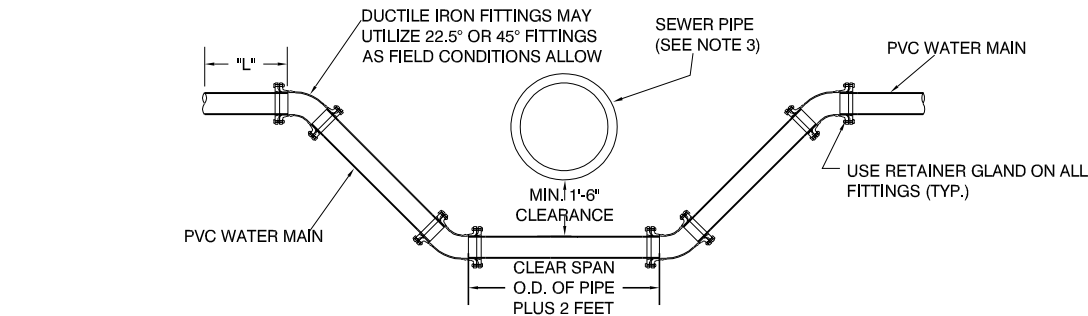
OVERALL SITE

PROJECT NO.
8811
SHEET NO.
A.03

J:\8811.0 4th St Meadow 3in SawdingsSheetsWater Main Relocates (GT)\8811 - Details.dwg - CGA Detail - 11-10-20 - 455ipm - COT351

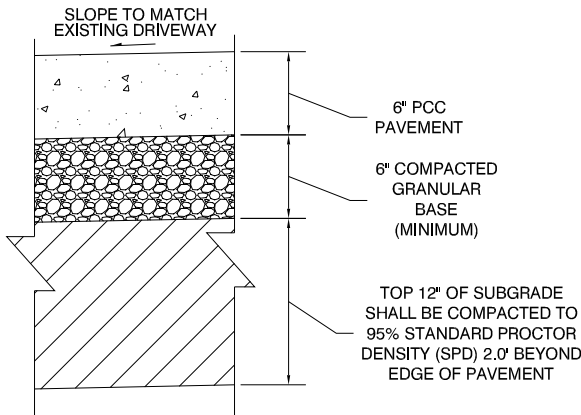


**TYPICAL PROPOSED WATER MAIN RELOCATION
AROUND FUTURE STORM SEWER STRUCTURE**

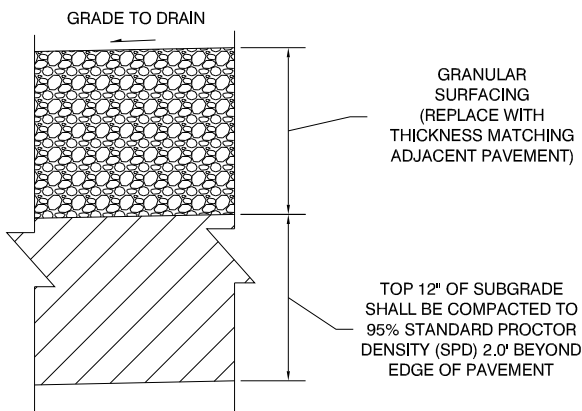


- NOTES:
1. IF EXISTING JOINTS ARE LOCATED WITHIN THE "L" DISTANCE (21' FOR 6" PIPE - 45° BENDS OR 10' FOR 6" PIPE - 22.5° BENDS, 27' FOR 8" PIPE - 45° BENDS OR 13' FOR 8" PIPE - 22.5° BENDS) THE JOINTS SHALL BE RESTRAINED.
 2. TIE-RODS MAY BE SUBSTITUTED FOR RESTRAINERS. THEY SHALL BE THE SAME O.D. AS STANDARD MJ BOLTS. USE 4 RODS FOR 6" OR 8" PIPE. RODS SHALL BE STAINLESS STEEL
 3. SEWER PIPE SHALL BE REPLACED IN ACCORDANCE WITH SUDAS SECTION 5010, PART 3.07, C.

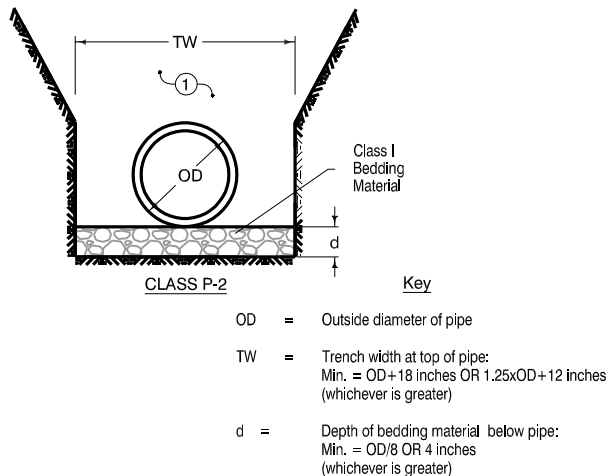
**TYPICAL DETAIL
WATER MAIN BELOW SEWER**



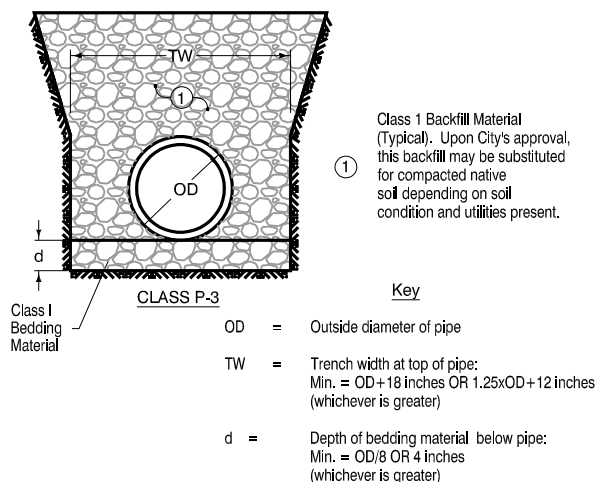
**TYPICAL DRIVEWAY SECTION
(PERFORMED BY BID CONTRACTOR)**



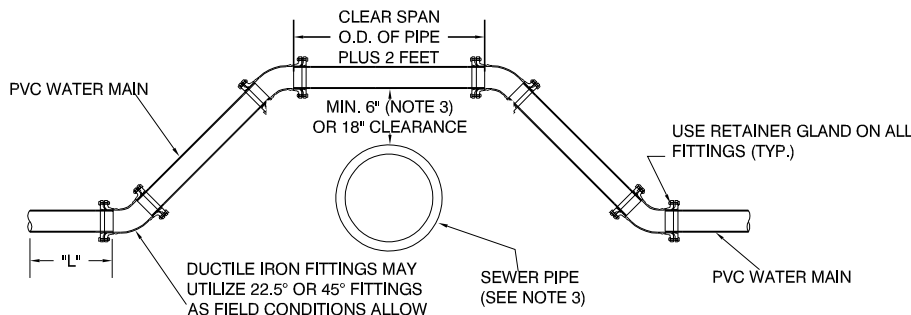
**TYPICAL GRANULAR
SURFACING SECTION
(PERFORMED BY MWW)**



**TRENCH BEDDING AND BACKFILL FOR
WATER MAIN OUTSIDE OF PAVEMENT**

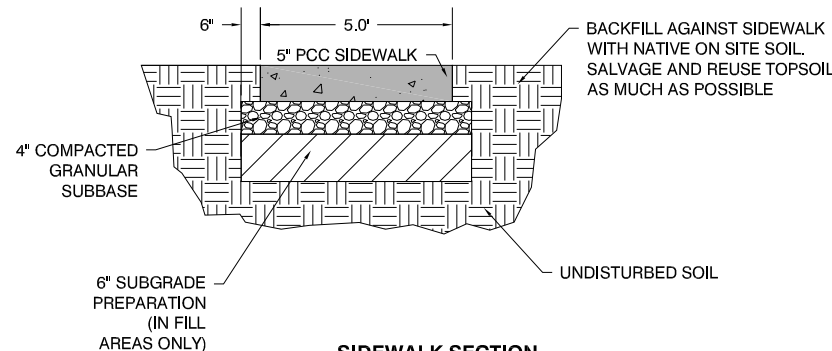


**TRENCH BEDDING AND BACKFILL FOR
WATER MAIN UNDER PAVEMENT**



- NOTES:
1. IF EXISTING JOINTS ARE LOCATED WITHIN THE "L" DISTANCE (21' FOR 6" PIPE - 45° BENDS OR 10' FOR 6" PIPE - 22.5° BENDS, 27' FOR 8" PIPE - 45° BENDS OR 13' FOR 8" PIPE - 22.5° BENDS) THE JOINTS SHALL BE RESTRAINED.
 2. TIE-RODS MAY BE SUBSTITUTED FOR RESTRAINERS. THEY SHALL BE THE SAME O.D. AS STANDARD MJ BOLTS. USE 4 RODS FOR 6" OR 8" PIPE. RODS SHALL BE STAINLESS STEEL
 3. SEWER PIPE SHALL BE REPLACED IN ACCORDANCE WITH SUDAS SECTION 5010, PART 3.07, C. WHEN LESS THAN 18" CLEARANCE CAN BE ACHIEVED.

**TYPICAL DETAIL
WATER MAIN ABOVE SEWER**



**SIDEWALK SECTION
TYPICAL PATCH
(PERFORMED BY BID CONTRACTOR)**

NOTE:
SIDEWALKS SHALL BE REPLACED IN SIZE AND LOCATION OF EXISTING SIDEWALK. SEE TABLE (BELOW) FOR LOCATIONS REQUIRING DETECTABLE WARNING PANELS AND SQUARE FEET OF DETECTABLE WARNINGS TO BE REPLACED.

DETECTABLE WARNING REPLACEMENTS		
LOCATION	SHEET REFERENCE	REPLACE (SF)
4TH ST & W OLIVE ST	D.02	40
4TH ST & W MEADOW LN	D.04	8*
CRESTVIEW DR & W OLIVE ST	D.11	16

* CONTRACTOR SHALL MINIMIZE PAVEMENT REMOVAL IF AT ALL POSSIBLE. IF CONTRACTOR SHALL NEED TO REMOVE MORE PAVEMENT THAN SHOWN, AN ADDITIONAL 8 SF (16 SF TOTAL) OF DETECTABLE WARNING PANELS SHALL BE REPLACED.

NO.	REVISION	BY	DATE

NO.	REVISION	BY	DATE



DESIGNED: _____	DATE: _____
DRAWN: _____	DATE: _____
CHECKED: _____	DATE: _____
APPROVED: _____	DATE: _____

WATER MAIN RELOCATES MARSHALLTOWN, IOWA

TYPICAL DETAILS

PROJECT NO. 8811
SHEET NO. B.01

J:\8811.0410.St. Meadow 3in SewdrgsSheets\Water Main Relocates (GT)\8811 - Quantities.dwg - Quantities 11-24-20 - 1:20pm - HAT323

QUANTITIES																																	
ITEM NO.	ITEM CODE	DESCRIPTION	UNIT	MWW		BID CONTRACTOR		MWW		MWW		BID CONTRACTOR		MWW		MWW		MWW		MWW		MWW		MWW		MWW		BID CONTRACTOR		BID CONTRACTOR		TOTAL	AS-BUILT
				Reconfiguration 'A'		Reconfiguration 'B'		Reconfiguration 'C'		Reconfiguration 'D'		Reconfiguration 'D'		Spot Relocation 'A'		Spot Relocation 'B'		Spot Relocation 'C'		Spot Relocation 'D'		Spot Relocation 'E'		Spot Relocation 'F'		Reconfiguration 'E'		Reconfiguration 'F'		Reconfiguration 'G'			
				Quantity	As-Built	Quantity	As-Built	Quantity	As-Built	Quantity	As-Built	Quantity	As-Built	Quantity	As-Built	Quantity	As-Built	Quantity	As-Built	Quantity	As-Built	Quantity	As-Built	Quantity	As-Built	Quantity	As-Built	Quantity	As-Built	Quantity	As-Built		
3.01	3010-108-A	GRANULAR BACKFILL	TONS	100		365		250		45		190												103		65		190		530		1,838	
5.01	5010-108-A-1	WATER MAIN, PVC, 8"	LF			240																							175		415		
5.02	5010-108-A-1	WATER MAIN, PVC, 6"	LF	110		110		216		66		90		45		40		45		45		45		80		160		174		150		1,376	
5.03	5010-108-C-1	FITTING, 90 DEG BEND, 6"	EA							2										2												4	
5.04	5010-108-C-1	FITTING, 45 DEG BEND, 8"	EA			14																							10		24		
5.05	5010-108-C-1	FITTING, 45 DEG BEND, 6"	EA	10		8		20		6		8		4		4		4		2		4		8		14		16		12		120	
5.06	5010-108-C-1	FITTING, TEE, 8" X 6"	EA			2																							2		4		
5.07	5010-108-C-1	FITTING, TEE, 6" X 6"	EA	1				2																		1		2				6	
5.08	5010-108-C-1	FITTING, COUPLING, 8"	EA			2																							2		4		
5.09	5010-108-C-1	FITTING, COUPLING, 6"	EA	3		2		4		4		2		2		2		2		2		2		4		3		4		2		38	
5.10	5010-108-C-1	RETAINER GLAND, 8"	EA			32																							24		56		
5.11	5010-108-C-1	RETAINER GLAND, 6"	EA	25		20		46		16		16		8		8		8		8		8		16		29		44		28		280	
5.12	5010-108-C-1	MECHANICAL JOINT ADAPTER, 8"	EA			3																							2		5		
5.13	5010-108-C-1	MECHANICAL JOINT ADAPTER, 6"	EA	3		1		4																		5		2		2		17	
5.14	5020-108-C-0	HYDRANT ASSEMBLY	EA	1		1		1																		1		1		1		6	
5.15	5020-108-A-0	GATE VALVE, 8"	EA			2																							2		4		
5.16	5020-108-A-1	GATE VALVE, 6"	EA	3		2		3																		3		4		2		17	
5.17	5010-108-E-1	WATER SERVICE PIPE, TYPE K COPPER, 3/4"	LF					6				6				6										10				16		44	
5.18	5010-108-E-3	WATER SERVICE CURB STOP AND BOX, 3/4"	EA					1																								1	
5.19	5010-108-E-2	WATER SERVICE CORPORATION, 3/4"	EA					1				1				1										1				2		6	
7.01	7030-108-A-0	REMOVAL OF SIDEWALK	SY	22				55		4								15		18		19		13		35						181	
7.02	7030-108-A-1	REMOVAL OF DRIVEWAY	SY	30										25				13				18		20		11						117	
7.03	7040-108-H-0	REMOVAL OF PAVEMENT	SY	125				175		68				65		63		42		50		50		145		90						873	
7.04	7030-108-H-2	GRANULAR SURFACING	TONS	100				128		46				60		40		40		40		50		110		75						689	
8.01	8030-108-A	TEMPORARY TRAFFIC CONTROL	LS	0.1				0.1		0.1				0.1		0.1		0.1		0.1		0.1		0.1		0.1						1	
9.01	9010-108-B	TEMPORARY SEEDING	LS	0.1				0.1		0.1				0.1		0.1		0.1		0.1		0.1		0.1		0.1						1	

NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE



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16 East Main Street
Marshalltown, Iowa 50158
Ph 641-752-6701
www.cgaconsultants.com

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CHECKED: _____	DATE: _____
APPROVED: _____	DATE: _____

WATER MAIN RELOCATES

MARSHALLTOWN, IOWA

ESTIMATE OF QUANTITIES AND

REFERENCE INFORMATION

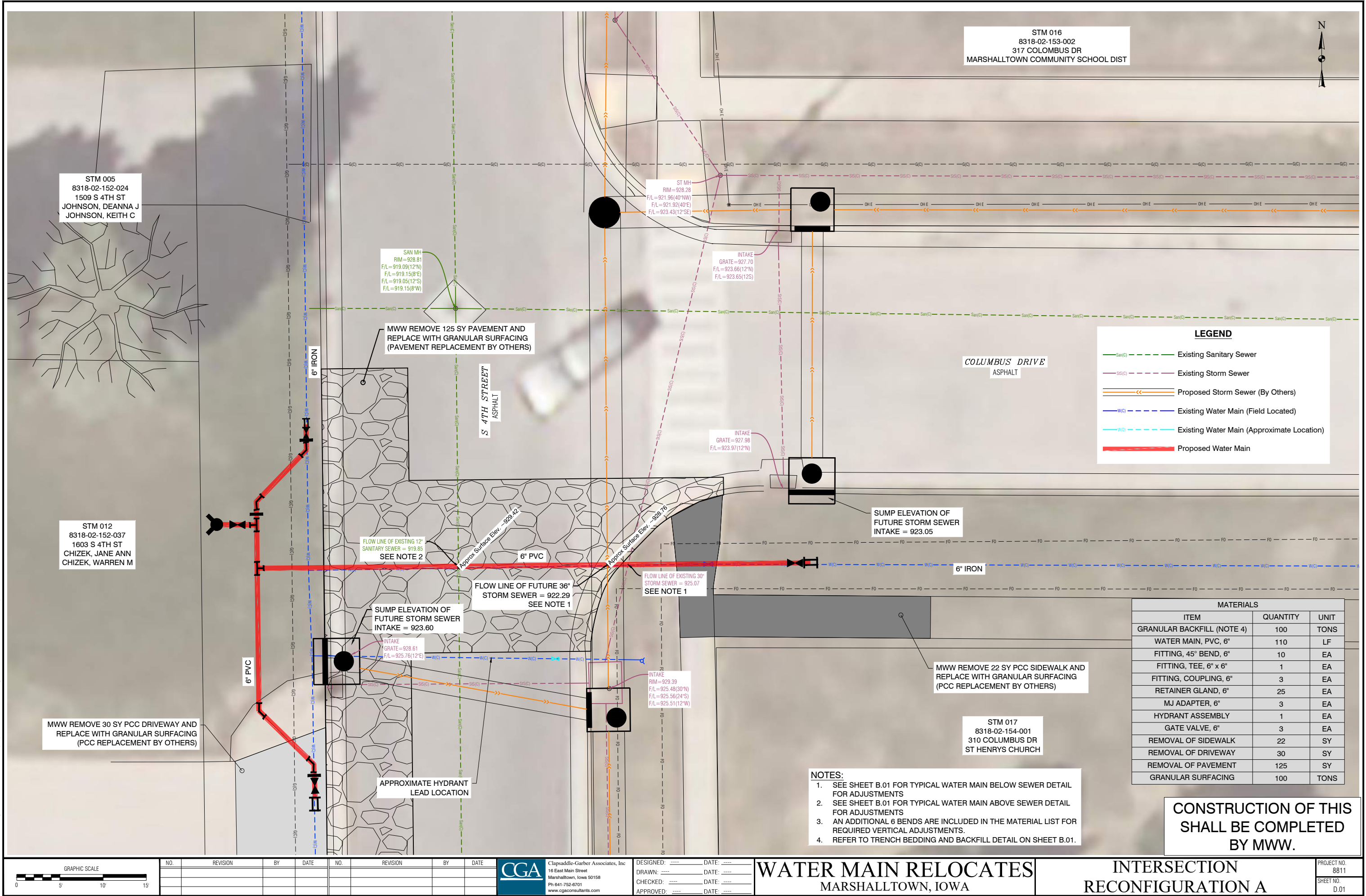
PROJECT NO. 8811
SHEET NO. C.01

J:\8811.0\410 St. Meadow 31m Sewdrgs\Sheets\Water Main Relocates (GT)\8811 - Quantities.dwg - ER1 - 11-24-20 - 1:20pm - HAT323

ESTIMATE REFERENCE INFORMATION			
ITEM NO.	CODE	ITEM	DESCRIPTION
3.01	3010-108-A	GRANULAR BACKFILL	REFER TO THE CITY OF MARSHALLTOWN STANDARD SPECIFICATIONS WHICH SUPPLEMENTS SUDAS SECTION 3010. MATERIAL SHALL BE IN ACCORDANCE WITH SECTION 3010, 2.02 CLASS 1 MATERIAL. THIS GRANULAR MATERIAL SHALL BE USED AS SHOWN ON SHEET B.01 IN TRENCHED WATER MAIN AREAS WHERE THE WATER MAIN IS LOCATED UNDER PAVEMENT UNLESS THE CITY AUTHORIZES NATIVE BACKFILL, WHICH IS ANTICIPATED IN SOME AREAS. THE BID QUANTITY ASSUMES ALL WATER MAIN UNDER STREET PAVEMENT IS BACKFILLED WITH GRANULAR MATERIAL. CONTRACTOR SHALL TAKE CARE IN MINIMIZING THE EXCAVATION SIZES UNDER PAVEMENT. ANY WASTED GRANULAR MATERIAL AS DETERMINED BY THE CITY OR MARSHALLTOWN WATER WORKS SHALL NOT BE FOR PAYMENT. THIS ITEM SHALL ALSO BE USED TO REPLACE UNSUITABLE MATERIAL FOUND ON-SITE AS DESCRIBED IN SECTION 3010, 2.01, 2. OWNER SHALL BE GIVEN OPPORTUNITY TO REVIEW THE ON-SITE MATERIAL AND APPROVE THE USE OF THIS BID ITEM FOR ADDITIONAL GRANULAR MATERIAL. MEASUREMENT WILL BE BASED ON SCALE TICKETS FOR THE MATERIAL DELIVERED AND VERIFIED BY THE CITY TO BE INCORPORATED INTO THE AUTHORIZED AREAS OF THE PROJECT. COMPENSATION SHALL BE AT THE UNIT PRICE PER TON OF GRANULAR BACKFILL FURNISHED, COMPACTED, AND PLACED.
5.01 - 5.02	5010-108-A-1	WATER MAIN, PVC, 8" & 6"	REFER TO MWWSS WHICH SUPPLEMENTS SUDAS SECTION 5010. PVC SHALL BE A MINIMUM WALL THICKNESS OF DR 14 WITH PUSH ON AWWA C900 JOINTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING MECHANICALLY OR INTEGRALLY RESTRAINED JOINTS WITH ALL NECESSARY ADAPTERS OR ACCESSORIES FOR THE LOCATIONS SHOWN ON THE PLANS REQUIRING RESTRAINT. WHEN UNDER PAVEMENT, GRANULAR BACKFILL MATERIAL SHALL BE USED UP TO THE BOTTOM OF PROPOSED SUBBASE UNLESS THE CITY AUTHORIZES NATIVE BACKFILL. GRANULAR BACKFILL SHALL BE PAID FOR UNDER THE APPLICABLE BID ITEM. ELSEWHERE, WATER MAIN SHALL BE INSTALLED WITH CLASS P-1 BEDDING AND SUITABLE BACKFILL MATERIAL IN ACCORDANCE WITH SECTION 3010 AND CONSIDERED INCIDENTAL TO THIS BID ITEM. BACKFILL SHALL BE DONE IN LIFTS NOT EXCEEDING 4 INCHES IN LOOSE THICKNESS TO A HEIGHT OF 12 INCHES ABOVE THE PIPE. FILLING SHALL BE CARRIED ON SIMULTANEOUSLY ON BOTH SIDES OF THE PIPE. THE REMAINDER OF THE FILL SHALL BE CONSOLIDATED IN 8-INCH LIFTS WITH MECHANICAL COMPACTING EQUIPMENT TO 90 PERCENT OF STANDARD PROCTOR DENSITY OF 110 PERCENT OF ADJACENT UNDISTURBED EARTH. WHERE THE PIPE IS PLACED BENEATH OR WITHIN 5 FEET OF THE EDGE OF PAVEMENT NOT IN THE RIGHT-OF-WAY, MECHANICAL TAMPING SHALL CONTINUE IN 6-INCH LIFTS TO 95 PERCENT OF STANDARD PROCTOR DENSITY OR 115 PERCENT OF ADJACENT UNDISTURBED SOIL USED TO THE SURFACE. TRACER WIRE SHALL BE REQUIRED. CONCRETE THRUST BLOCKING SHALL BE REQUIRED IN ACCORDANCE WITH MWWSS AND SUDAS SECTION 5010 UNLESS OTHERWISE NOTED ON THE DRAWINGS AND PAID FOR UNDER THE DIP FITTINGS BID ITEMS. REMOVAL AND ABANDONMENT OF EXISTING WATER MAIN SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM. TESTING SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 5030. MEASUREMENT WILL BE MADE ALONG THE CENTERLINE OF THE PIPE FOR EACH PIPE SIZE AND SHALL NOT INCLUDE MEASUREMENT THROUGH FITTINGS. COMPENSATION SHALL BE AT THE CONTRACT UNIT PRICE PER LINEAR FOOT, ROUNDED UP TO THE NEAREST FOOT OF PIPE FURNISHED, INSTALLED, TESTED, AND DISINFECTED.
5.03 - 5.07	5010-108-C-1	DIP FITTINGS	REFER TO MWWSS WHICH SUPPLEMENTS SUDAS SECTION 5010. COMPACT FITTINGS SHALL BE UTILIZED CONFORMING TO AWWA C153. FITTINGS SHALL HAVE MECHANICAL JOINTS. RETAINER GLANDS SHALL BE PAID FOR IN THE APPLICABLE BID ITEMS. COR-BLUE BOLTS SHALL BE USED. POLYETHYLENE WRAP SHALL BE REQUIRED. CONCRETE THRUST BLOCKING SHALL BE REQUIRED IN ACCORDANCE WITH MWWSS UNLESS NOTED OTHERWISE IN THE PLANS AND IS CONSIDERED INCIDENTAL TO THIS BID ITEM. CONCRETE THRUST BOCKS SHALL BE INSTALLED IN ACCORDANCE WITH MWWSS WHICH SUPPLEMENTS SUDAS SECTION 5010. SHALL MID-SPAN THRUST BLOCKS BE USED, THEY SHALL INCLUDE A EBAA SERIES 19MJ00 RESTRAINT FOR PVC PIPE AND EBAA SERIES 1100SDB FOR DIP PIPE OR ENGINEER'S APPROVED EQUIVALENT AND BE INCIDENTAL TO THE THRUST BLOCK / FITTING. CARE SHALL BE TAKEN WHEN PLACING CONCRETE THRUST BLOCKS TO ACCOMMODATE OTHER PLANNED UTILITY IMPROVEMENTS IN THE AREA. METHOD OF MEASUREMENT AND PAYMENT SHALL BE PER EACH FITTING FURNISHED, INSTALLED, TESTED, AND DISINFECTED.
5.08 - 5.09	5010-108-C-1	FITTING, COUPLING, 8" & 6"	REFER TO MWWSS WHICH SUPPLEMENTS SUDAS SECTION 5010. BODY SHALL BE DUCTILE AND GASKETS MADE OF NEW RUBBER COMPOUNDED FOR WATER SERVICE. COUPLINGS SHALL BE RESTRAINED AND RATED FOR A MINIMUM OF 305 PSI. THEY SHALL BE ROMAC MACRO HP. POLYETHYLENE WRAP SHALL BE REQUIRED. METHOD OF MEASUREMENT AND PAYMENT SHALL BE PER EACH COUPLING FURNISHED, INSTALLED, AND TESTED.
5.10 - 5.11	5010-108-C-1	RETAINER GLAND, 8" & 6"	REFER TO MWWSS WHICH SUPPLEMENTS SUDAS SECTION 5010. RETAINER GLANDS SHALL BE EBAA 2000PV MEGALUG, OR ENGINEER'S APPROVED EQUIVALENT. POLYETHYLENE WRAP SHALL BE REQUIRED. METHOD OF MEASUREMENT AND PAYMENT SHALL BE PER EACH RETAINER GLAND FURNISHED AND INSTALLED.
5.12 - 5.13	5010-1008-C-1	MECHANICAL JOINT ADAPTER, 8" & 6"	REFER TO MWWSS WHICH SUPPLEMENTS SUDAS SECTION 5010. MECHANICAL JOINT ADAPTERS SHALL MEET THE REQUIREMENTS FOR DIP FITTINGS IN ACCORDANCE WITH 5010, 2.03 AND BE INSTALLED WITH COR-BLUE BOLTS. GASKETS SHALL BE IN ACCORDANCE WITH AWWA C111. MECHANICAL JOINT ADAPTERS SHALL BE FOSTER, STAR PIPE SERIES 100, OR ENGINEER APPROVED EQUIVALENT. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. POLYETHYLENE WRAP SHALL BE REQUIRED. METHOD OF MEASUREMENT AND PAYMENT SHALL BE PER EACH SIZE OF MECHANICAL JOINT ADAPTER FURNISHED AND INSTALLED WITH REQUIRED ACCESSORIES.
5.14	5020-108-C-0	HYDRANT ASSEMBLY	REFER TO MWWSS WHICH SUPPLEMENTS SUDAS SECTION 5020. FIRE HYDRANT SHALL BE AMERICAN DARLING B84B TRAFFIC MODEL, CLOW MEDALLION - TRAFFIC MODEL, OR MUELLER SUPER CENTURION - TRAFFIC MODEL. RESILIENT WEDGE VALVE SHALL BE CLOW F-6100 (OPEN LEFT). REFER TO FIGURE #9 IN MARSHALLTOWN WATER WORKS RULES AND REGULATIONS FOR ADDITIONAL INFORMATION. METHOD OF MEASUREMENT AND PAYMENT SHALL BE PER EACH HYDRANT ASSEMBLY FURNISHED, INSTALLED, AND TESTED.
5.15 - 5.16	5020-108-A-0	VALVE, GATE, 8" & 6"	REFER TO MWWSS WHICH SUPPLEMENTS SUDAS SECTION 5020. GATE VALVES SHALL BE CLOW F-6100 (OPEN LEFT). VALVE BOX SHALL BE TYPE R6850 SERIES. REFER TO FIGURE #15 IN MARSHALLTOWN WATER WORKS RULES AND REGULATIONS FOR ADDITIONAL INFORMATION. ITEM SHALL INCLUDE COMPLETE INSTALLATION INCLUDING SQUARE OPERATING NUT, VALVE BOX AND COVER, VALVE BOX EXTENSION, VALVE STEM EXTENSION, AND ANY MISCELLANEOUS APPURTENANCES. COMPENSATION SHALL BE PER EACH SIZE AND TYPE OF VALVE BOX FURNISHED, INSTALLED, AND TESTED.
5.17	5010-108-E-1	WATER SERVICE PIPE, TYPE K COPPER, 3/4"	REFER TO MWWSS WHICH SUPPLEMENTS SUDAS SECTION 5010. WATER SERVICES SHALL BE TYPE K COPPER. TRANSITION BETWEEN NEW AND OLD SERVICE LINES SHALL BE COMPLETED WITH MANUFACTURED TRANSITION FITTING AND BE INCIDENTAL TO THIS BID ITEM. COMPENSATION SHALL BE AT THE CONTRACT UNIT PRICE PER LINEAR FOOT, ROUNDED UP TO THE NEAREST FOOT OF SERVICE PIPE FURNISHED AND INSTALLED.
5.18	5010-108-E-3	WATER SERVICE CURB STOP AND BOX, 3/4"	REFER TO MWWSS WHICH SUPPLEMENTS SUDAS SECTION 5010. CURB STOP SHALL BE FORD B22 SERIES. CURB STOP BOXES SHALL BE MUELLER TYPE 10306 (WITH ROD). COMPENSATION SHALL BE PER EACH CURB STOP AND BOX FURNISHED AND INSTALLED.
5.19	5010-108-E-2	WATER SERVICE CORPORATION, 3/4"	REFER TO MWWSS WHICH SUPPLEMENTS SUDAS SECTION 5010. CORPORATION SHALL BE MUELLER TYPE H-15000. SERVICE SADDLE SHALL BE SMITH-BLAIR TYPE 317. SERVICE SADDLE, TAPPING THE WATER MAIN, AND CORPORATION SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. COMPENSATION SHALL BE PER EACH CORPORATION AND SADDLE FURNISHED AND INSTALLED.
7.01 - 7.02	7030-108-A-0	REMOVAL OF SIDEWALK AND DRIVEWAYS	REFER TO THE CITY OF MARSHALLTOWN STANDARD SPECIFICATIONS WHICH SUPPLEMENTS SUDAS SECTION 7030. THESE BID ITEMS INCLUDE REMOVALS AS INDICATED ON THE PLANS. ANY ADJACENT SIDEWALK OR DRIVEWAY DAMAGED OUTSIDE OF LIMITS INDICATED ON THE PLANS OR AUTHORIZED BY THE CITY SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. ALL REMOVED SIDEWALK AND DRIVEWAYS SHALL BE DISPOSED OF OFF-SITE IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL GUIDELINES. METHOD OF MEASUREMENT AND PAYMENT SHALL BE PER SQUARE YARD OF SIDEWALK AND DRIVEWAYS REMOVED AND DISPOSED OF, PER PLAN QUANTITY, WITHOUT FIELD MEASUREMENT.
7.03	7040-108-H-0	REMOVAL OF PAVEMENT	REFER TO THE CITY OF MARSHALLTOWN STANDARD SPECIFICATIONS WHICH SUPPLEMENTS SUDAS SECTION 7040. THIS BID ITEM INCLUDES REMOVALS AS INDICATED ON THE PLANS. ANY ADJACENT PAVEMENT DAMAGED OUTSIDE OF LIMITS INDICATED ON THE PLANS OR AS AUTHORIZED BY THE CITY SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. ALL REMOVED PAVEMENT SHALL BE DISPOSED OF OFF-SITE IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL GUIDELINES. METHOD OF MEASUREMENT AND PAYMENT SHALL BE PER SQUARE YARD OF PAVEMENT REMOVED AND DISPOSED OF, PER PLAN QUANTITY, WITHOUT FIELD MEASUREMENT.
7.04	7030-108-H-2	GRANULAR SURFACING	REFER TO THE CITY OF MARSHALLTOWN STANDARD SPECIFICATIONS WHICH SUPPLEMENTS SUDAS SECTION 7030 AND DETAILS ON THE PLANS. GRANULAR SURFACING SHALL BE USED FOR AREAS OF THE SIDEWALK, DRIVEWAYS, AND STREET PAVEMENT THAT ARE TO BE REMOVED AS A PART OF THIS PROJECT AND NOT PAVED BEFORE FUTURE STORM SEWER PROJECT TAKES PLACE. MEASUREMENT SHALL BE BASED ON SCALE TICKETS FURNISHED BY THE CONTRACTOR AND VERIFIED BY THE OWNER AS EACH LOAD IS DELIVERED. METHOD OF MEASUREMENT AND PAYMENT SHALL BE PER TON OF GRANULAR SURFACING INSTALLED.
8.01	8030-108-A	TEMPORARY TRAFFIC CONTROL	REFER TO THE CITY OF MARSHALLTOWN STANDARD SPECIFICATION SECTION 8030. THIS ITEM INCLUDES PROVIDING, INSTALLING, MAINTAINING, AND REMOVING ALL PEDESTRIAN AND VEHICULAR TRAFFIC CONTROL ITEMS. CONTRACTOR SHALL COORDINATE WITH THE CITY OF MARSHALLTOWN. COMPENSATION SHALL BE AT THE CONTRACT LUMP SUM PRICE WITH PARTIAL PAYMENTS MADE AT 50% WHEN TRAFFIC CONTROL IS INSTALLED AND THE REMAINING 50% WHEN TRAFFIC CONTROL IS REMOVED.
9.01	9010-108-B	TEMPORARY SEEDING	REFER TO THE CITY OF MARSHALLTOWN STANDARD SPECIFICATIONS WHICH SUPPLEMENTS SUDAS SECTION 9010. SEED MIX SHALL BE TYPE 4 AND BE COMPLETED AFTER THE TRENCHES HAVE BEEN BACKFILLED IF ADDITIONAL STORM SEWER WORK IS NOT ANTICIPATED IN THE AREA FOR 14 DAYS. COMPENSATION SHALL BE AT THE CONTRACT LUMP SUM PRICE.

NO.				REVISION				BY				DATE				 Clapsaddle-Garber Associates, Inc 16 East Main Street Marshalltown, Iowa 50158 Ph 641-752-6701 www.cgaconsultants.com	DESIGNED: ____				DATE: ____				WATER MAIN RELOCATES MARSHALLTOWN, IOWA	ESTIMATE OF QUANTITIES AND REFERENCE INFORMATION				PROJECT NO.	
																	8811														
																	SHEET NO.														
																	C.02														

J:\8811.0 4th St Meadow Sm SewVlgs Sheets\Water Main Relocates (GUT)\Water Main Relocates.dwg - Columbus & 4th - 11-10-20 - 4:19pm - GTJBS1



STM 016
8318-02-153-002
317 COLUMBUS DR
MARSHALLTOWN COMMUNITY SCHOOL DIST

STM 005
8318-02-152-024
1509 S 4TH ST
JOHNSON, DEANNA J
JOHNSON, KEITH C

STM 012
8318-02-152-037
1603 S 4TH ST
CHIZEK, JANE ANN
CHIZEK, WARREN M

COLUMBUS DRIVE
ASPHALT

S 4TH STREET
ASPHALT

LEGEND

- Existing Sanitary Sewer
- Existing Storm Sewer
- Proposed Storm Sewer (By Others)
- Existing Water Main (Field Located)
- Existing Water Main (Approximate Location)
- Proposed Water Main

MATERIALS		
ITEM	QUANTITY	UNIT
GRANULAR BACKFILL (NOTE 4)	100	TONS
WATER MAIN, PVC, 6"	110	LF
FITTING, 45° BEND, 6"	10	EA
FITTING, TEE, 6" x 6"	1	EA
FITTING, COUPLING, 6"	3	EA
RETAINER GLAND, 6"	25	EA
MJ ADAPTER, 6"	3	EA
HYDRANT ASSEMBLY	1	EA
GATE VALVE, 6"	3	EA
REMOVAL OF SIDEWALK	22	SY
REMOVAL OF DRIVEWAY	30	SY
REMOVAL OF PAVEMENT	125	SY
GRANULAR SURFACING	100	TONS

- NOTES:
- SEE SHEET B.01 FOR TYPICAL WATER MAIN BELOW SEWER DETAIL FOR ADJUSTMENTS
 - SEE SHEET B.01 FOR TYPICAL WATER MAIN ABOVE SEWER DETAIL FOR ADJUSTMENTS
 - AN ADDITIONAL 6 BENDS ARE INCLUDED IN THE MATERIAL LIST FOR REQUIRED VERTICAL ADJUSTMENTS.
 - REFER TO TRENCH BEDDING AND BACKFILL DETAIL ON SHEET B.01.

CONSTRUCTION OF THIS
SHALL BE COMPLETED
BY MWW.



NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE

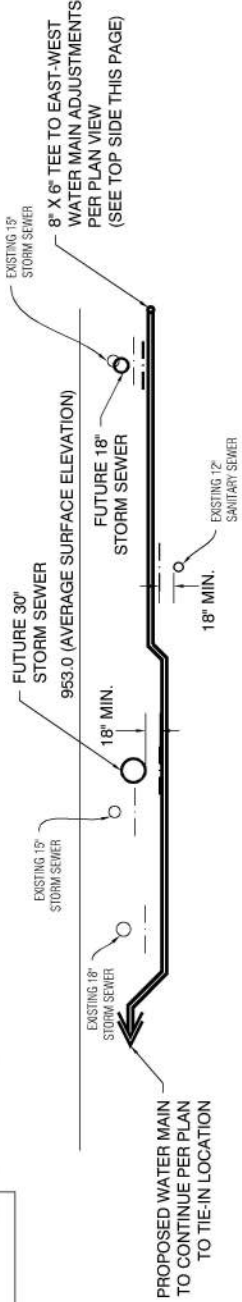
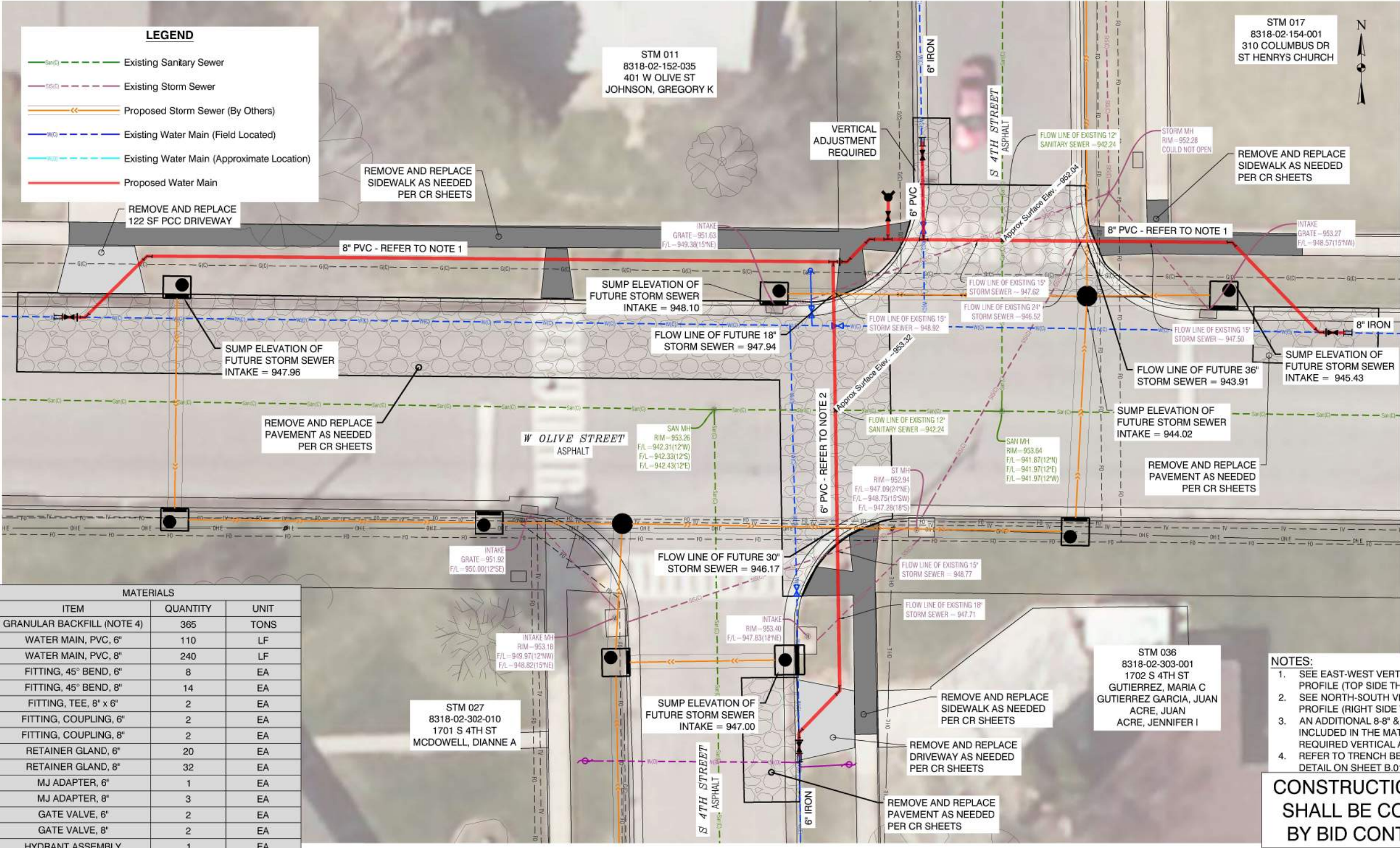
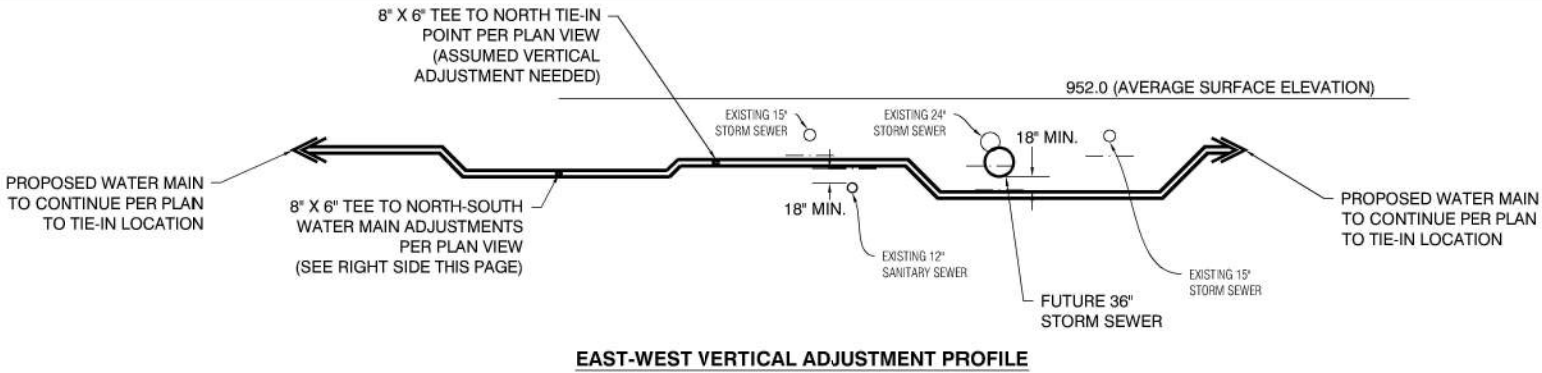
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16 East Main Street
Marshalltown, Iowa 50158
Ph 641-752-4701
www.cgaconsultants.com

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CHECKED: _____	DATE: _____
APPROVED: _____	DATE: _____

WATER MAIN RELOCATES
MARSHALLTOWN, IOWA

INTERSECTION
RECONFIGURATION A

PROJECT NO. 8811
SHEET NO. D.01



MATERIALS		
ITEM	QUANTITY	UNIT
GRANULAR BACKFILL (NOTE 4)	365	TONS
WATER MAIN, PVC, 6"	110	LF
WATER MAIN, PVC, 8"	240	LF
FITTING, 45° BEND, 6"	8	EA
FITTING, 45° BEND, 8"	14	EA
FITTING, TEE, 8" x 6"	2	EA
FITTING, COUPLING, 6"	2	EA
FITTING, COUPLING, 8"	2	EA
RETAINER GLAND, 6"	20	EA
RETAINER GLAND, 8"	32	EA
MJ ADAPTER, 6"	1	EA
MJ ADAPTER, 8"	3	EA
GATE VALVE, 6"	2	EA
GATE VALVE, 8"	2	EA
HYDRANT ASSEMBLY	1	EA



NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE

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APPROVED: _____	DATE: _____

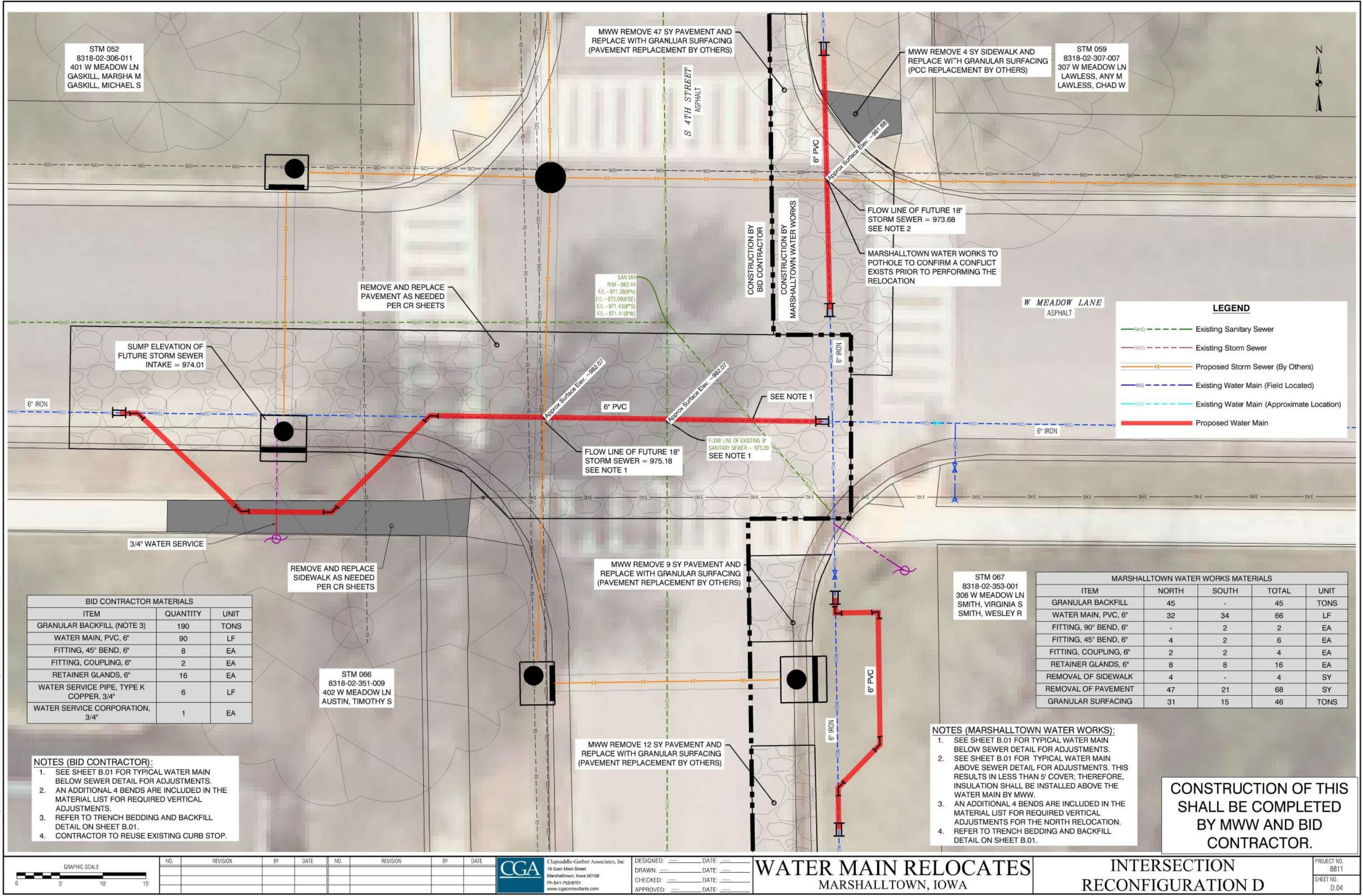
WATER MAIN RELOCATES MARSHALLTOWN, IOWA

INTERSECTION RECONFIGURATION B

PROJECT NO. 8811
SHEET NO. D.02

J:\0811.0.dwg - St. Meadow 30m Sawdust/Sheet/Water Main Relocates.dwg - W Olive & 4th - 11-24-20 - 118mm - HAI323

J:\0811.0.4th St Meadow 30m SawdugsSheets\Water Main Relocates (GJ)\Water Main Relocates.dwg - Meadow & 4th - 11/24/20 - 11/30m - HAT323



STM 052
8318-02-306-011
401 W MEADOW LN
GASKILL, MARSHA M
GASKILL, MICHAEL S

MWW REMOVE 47 SY PAVEMENT AND
REPLACE WITH GRANULAR SURFACING
(PAVEMENT REPLACEMENT BY OTHERS)

MWW REMOVE 4 SY SIDEWALK AND
REPLACE WITH GRANULAR SURFACING
(PCC REPLACEMENT BY OTHERS)

STM 059
8318-02-307-007
307 W MEADOW LN
LAWLESS, ANY M
LAWLESS, CHAD W

REMOVE AND REPLACE
PAVEMENT AS NEEDED
PER CR SHEETS

SAN MH
RIM = 982.44
F/L = 971.38(8"*)
F/L = 972.09(6"SE)
F/L = 971.43(8"SE)
F/L = 971.41(8"W)

FLOW LINE OF FUTURE 18"
STORM SEWER = 973.68
SEE NOTE 2

MARSHALLTOWN WATER WORKS TO
POTHOLE TO CONFIRM A CONFLICT
EXISTS PRIOR TO PERFORMING THE
RELOCATION

SUMP ELEVATION OF
FUTURE STORM SEWER
INTAKE = 974.01

SEE NOTE 1

FLOW LINE OF FUTURE 18"
STORM SEWER = 975.18
SEE NOTE 1

FLOW LINE OF EXISTING 8"
SANITARY SEWER = 975.20
SEE NOTE 1

MWW REMOVE 9 SY PAVEMENT AND
REPLACE WITH GRANULAR SURFACING
(PAVEMENT REPLACEMENT BY OTHERS)

MWW REMOVE 12 SY PAVEMENT AND
REPLACE WITH GRANULAR SURFACING
(PAVEMENT REPLACEMENT BY OTHERS)

STM 067
8318-02-353-001
308 W MEADOW LN
SMITH, VIRGINIA S
SMITH, WESLEY R

STM 066
8318-02-351-009
402 W MEADOW LN
AUSTIN, TIMOTHY S

BID CONTRACTOR MATERIALS		
ITEM	QUANTITY	UNIT
GRANULAR BACKFILL (NOTE 3)	190	TONS
WATER MAIN, PVC, 6"	90	LF
FITTING, 45° BEND, 6"	8	EA
FITTING, COUPLING, 6"	2	EA
RETAINER GLANDS, 6"	16	EA
WATER SERVICE PIPE, TYPE K COPPER, 3/4"	6	LF
WATER SERVICE CORPORATION, 3/4"	1	EA

- NOTES (BID CONTRACTOR):
- SEE SHEET B.01 FOR TYPICAL WATER MAIN BELOW SEWER DETAIL FOR ADJUSTMENTS.
 - AN ADDITIONAL 4 BENDS ARE INCLUDED IN THE MATERIAL LIST FOR REQUIRED VERTICAL ADJUSTMENTS.
 - REFER TO TRENCH BEDDING AND BACKFILL DETAIL ON SHEET B.01.
 - CONTRACTOR TO REUSE EXISTING CURB STOP.

LEGEND	
	Existing Sanitary Sewer
	Existing Storm Sewer
	Proposed Storm Sewer (By Others)
	Existing Water Main (Field Located)
	Existing Water Main (Approximate Location)
	Proposed Water Main

MARSHALLTOWN WATER WORKS MATERIALS				
ITEM	NORTH	SOUTH	TOTAL	UNIT
GRANULAR BACKFILL	45	-	45	TONS
WATER MAIN, PVC, 6"	32	34	66	LF
FITTING, 90° BEND, 6"	-	2	2	EA
FITTING, 45° BEND, 6"	4	2	6	EA
FITTING, COUPLING, 6"	2	2	4	EA
RETAINER GLANDS, 6"	8	8	16	EA
REMOVAL OF SIDEWALK	4	-	4	SY
REMOVAL OF PAVEMENT	47	21	68	SY
GRANULAR SURFACING	31	15	46	TONS

- NOTES (MARSHALLTOWN WATER WORKS):
- SEE SHEET B.01 FOR TYPICAL WATER MAIN BELOW SEWER DETAIL FOR ADJUSTMENTS.
 - SEE SHEET B.01 FOR TYPICAL WATER MAIN ABOVE SEWER DETAIL FOR ADJUSTMENTS. THIS RESULTS IN LESS THAN 5' COVER; THEREFORE, INSULATION SHALL BE INSTALLED ABOVE THE WATER MAIN BY MWW.
 - AN ADDITIONAL 4 BENDS ARE INCLUDED IN THE MATERIAL LIST FOR REQUIRED VERTICAL ADJUSTMENTS FOR THE NORTH RELOCATION. REFER TO TRENCH BEDDING AND BACKFILL DETAIL ON SHEET B.01.

CONSTRUCTION OF THIS
SHALL BE COMPLETED
BY MWW AND BID
CONTRACTOR.



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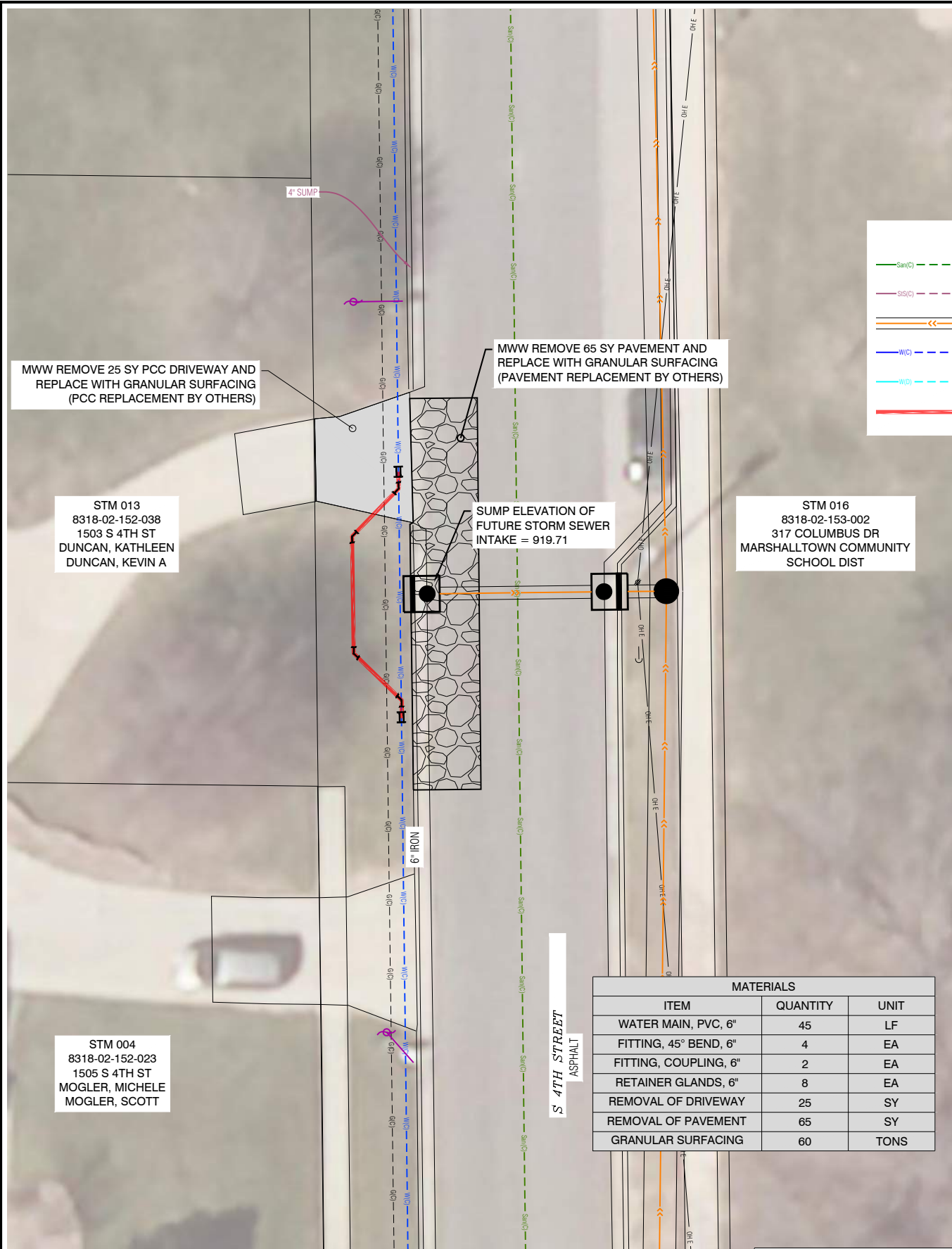
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CHECKED: _____ DATE: _____
APPROVED: _____ DATE: _____

WATER MAIN RELOCATES MARSHALLTOWN, IOWA

INTERSECTION RECONFIGURATION D

PROJECT NO.
8811
SHEET NO.
D.04

J:\8811.0 4th St Meadows Sm SewVlms\Sheets\Water Main Relocates.dwg - Spot Rel A & B - 11-10-20 - 4:20pm - 6/13/51

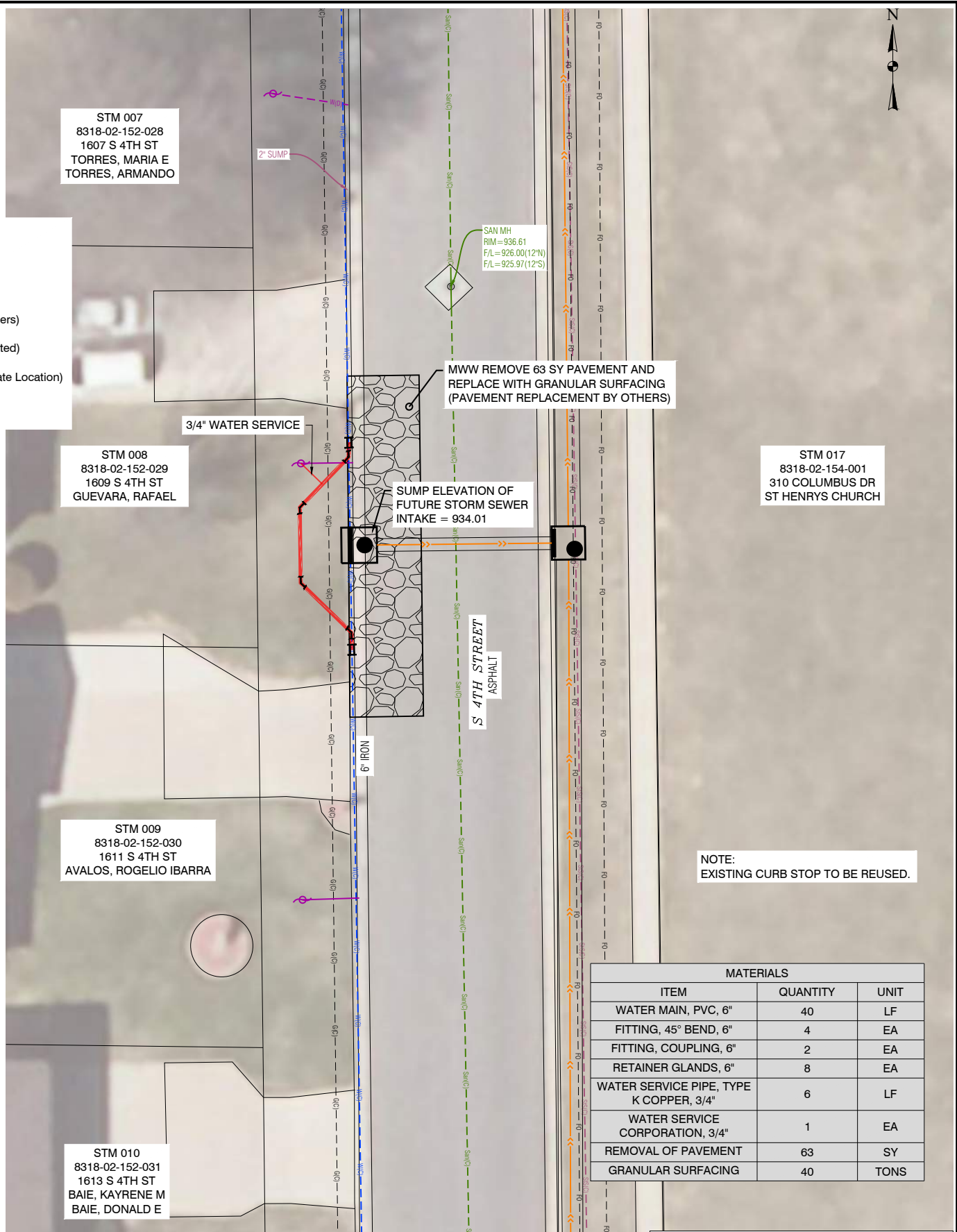


SPOT RELOCATION 'A'

CONSTRUCTION OF THIS SHALL BE COMPLETED BY MWW.

LEGEND

- San(C) --- Existing Sanitary Sewer
- StS(C) --- Existing Storm Sewer
- Proposed Storm Sewer (By Others)
- W(C) --- Existing Water Main (Field Located)
- W(C) --- Existing Water Main (Approximate Location)
- Proposed Water Main



SPOT RELOCATION 'B'

CONSTRUCTION OF THIS SHALL BE COMPLETED BY MWW.



NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE

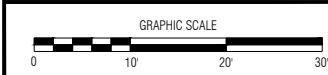
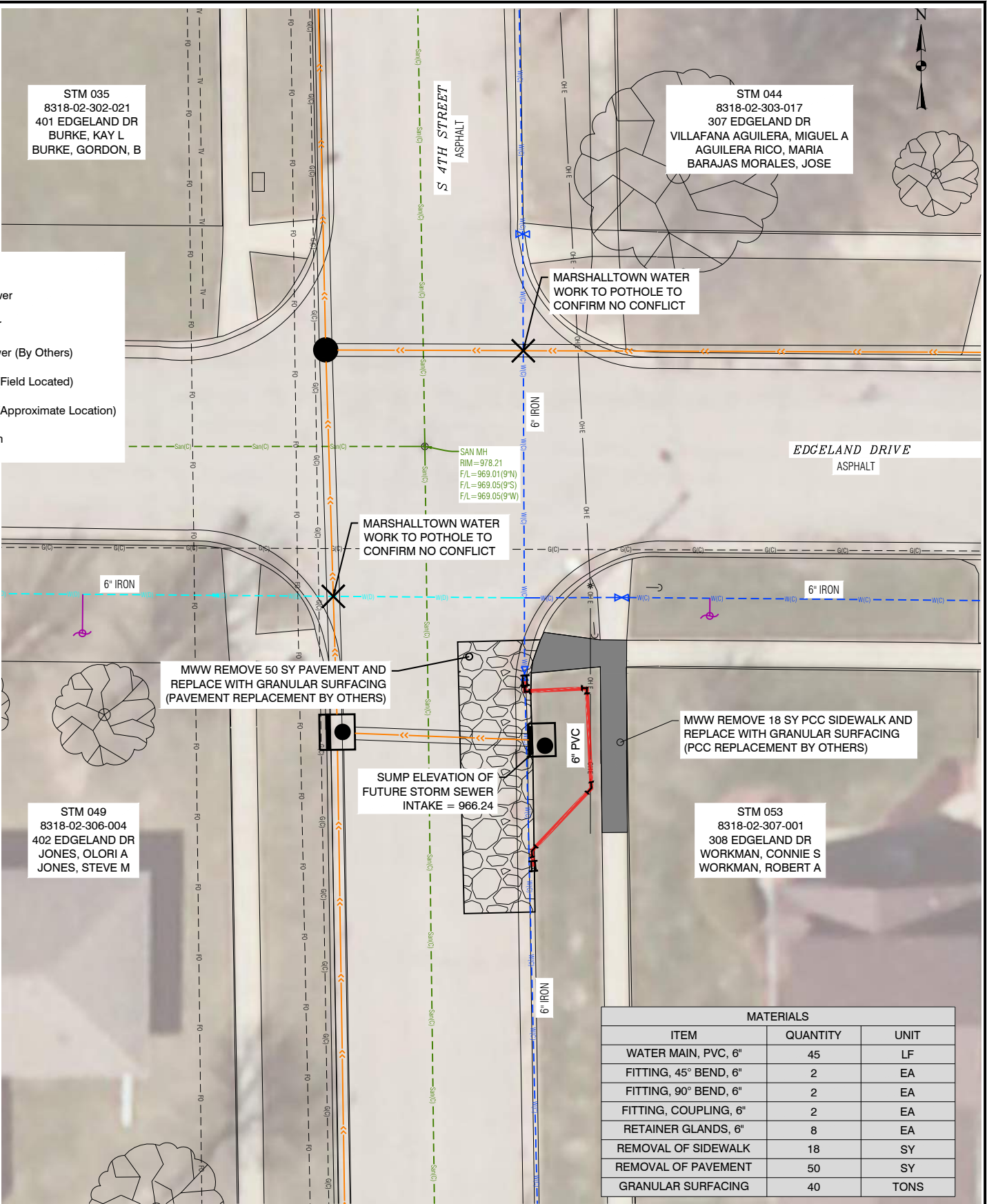
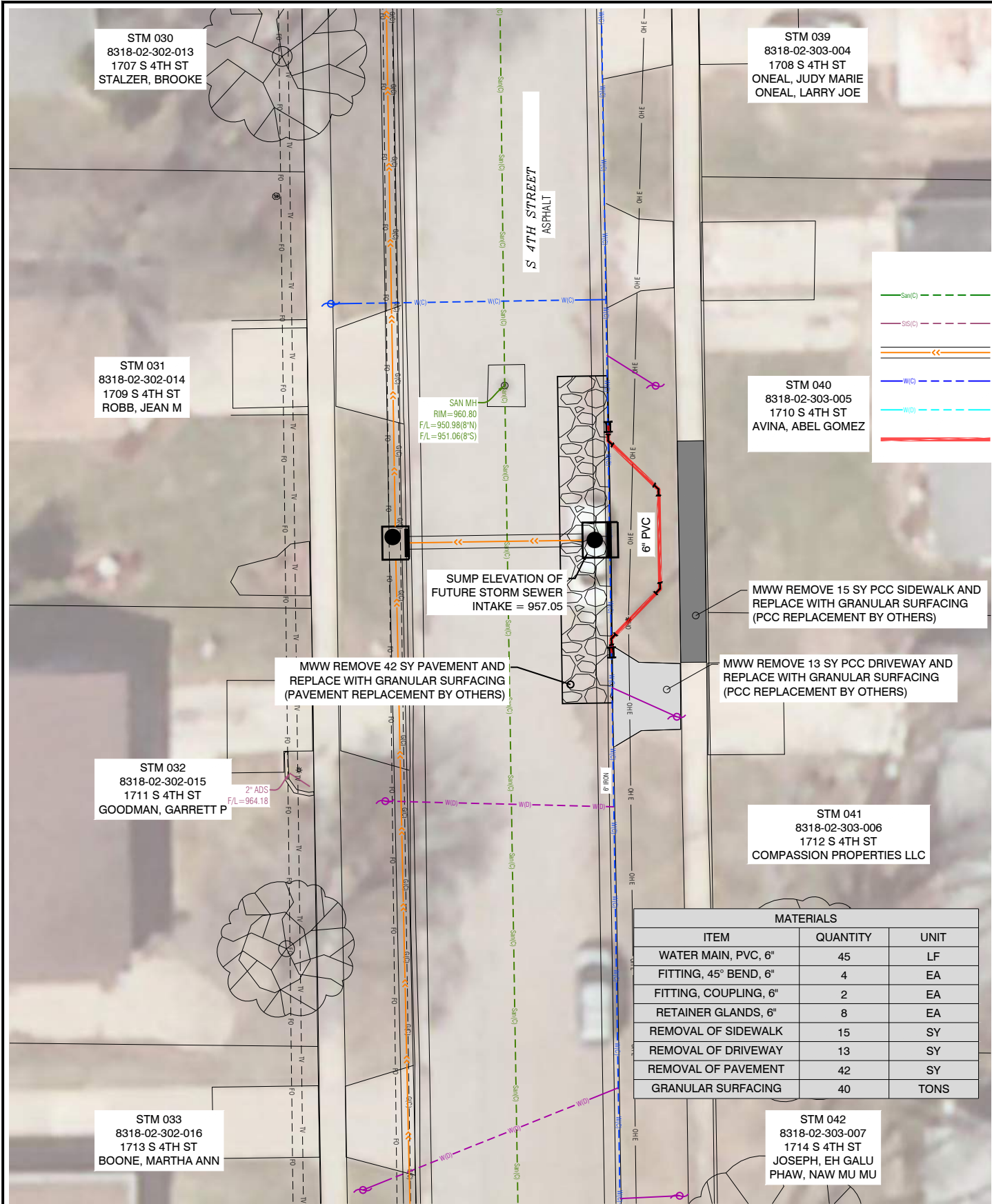
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CHECKED: _____	DATE: _____
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WATER MAIN RELOCATES
MARSHALLTOWN, IOWA

SPOT RELOCATIONS A & B

PROJECT NO. 8811
SHEET NO. D.05



NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE

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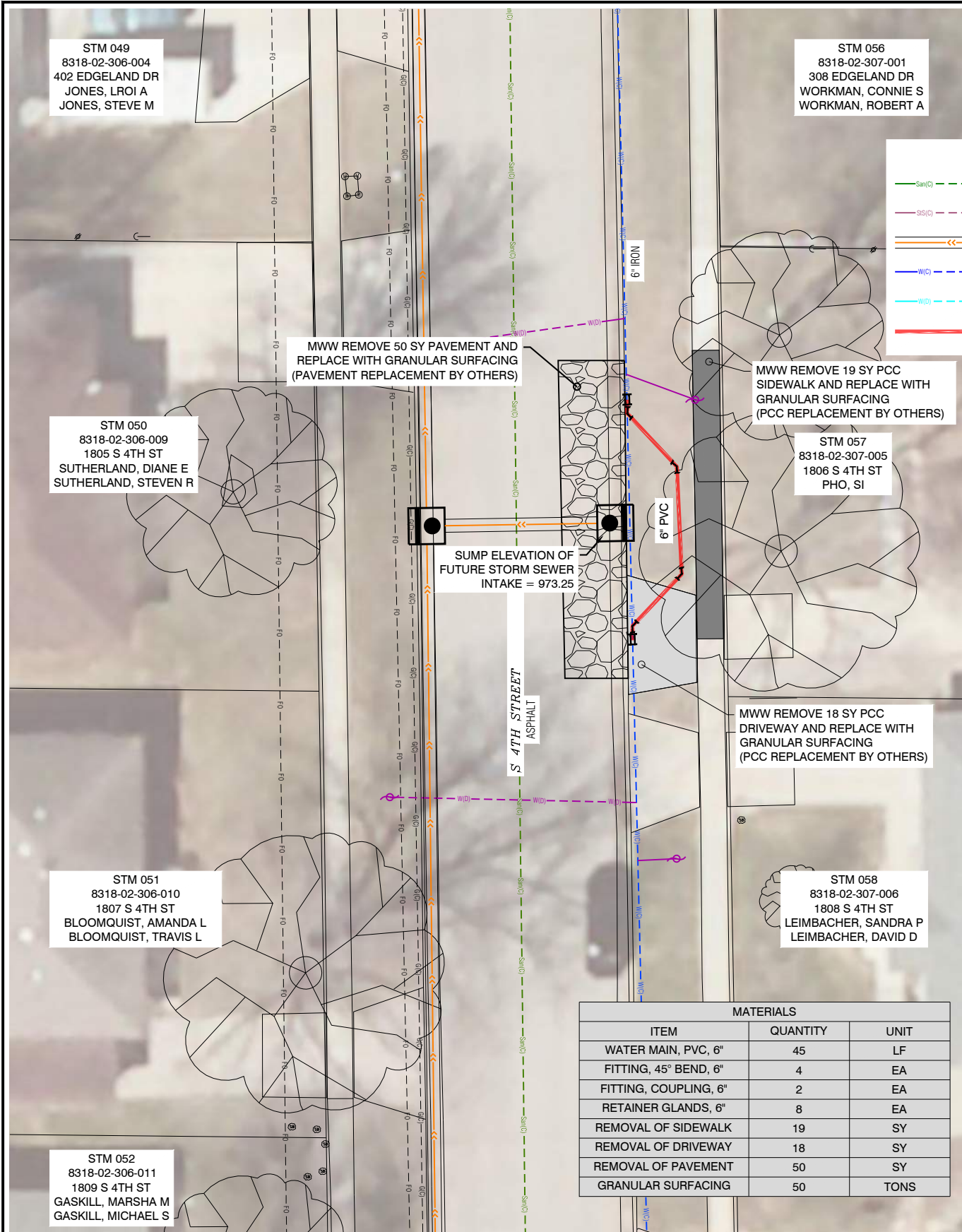
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DRAWN: _____	DATE: _____
CHECKED: _____	DATE: _____
APPROVED: _____	DATE: _____

WATER MAIN RELOCATES MARSHALLTOWN, IOWA

SPOT RELOCATIONS C & D

PROJECT NO. 8811
SHEET NO. D.06

J:\8811.0 4th St Meadow Stp SewVlgs\Sheets\Water Main Relocates.dwg - Spot Re E & F - 11-10-20 - 4:21pm - GTJ351

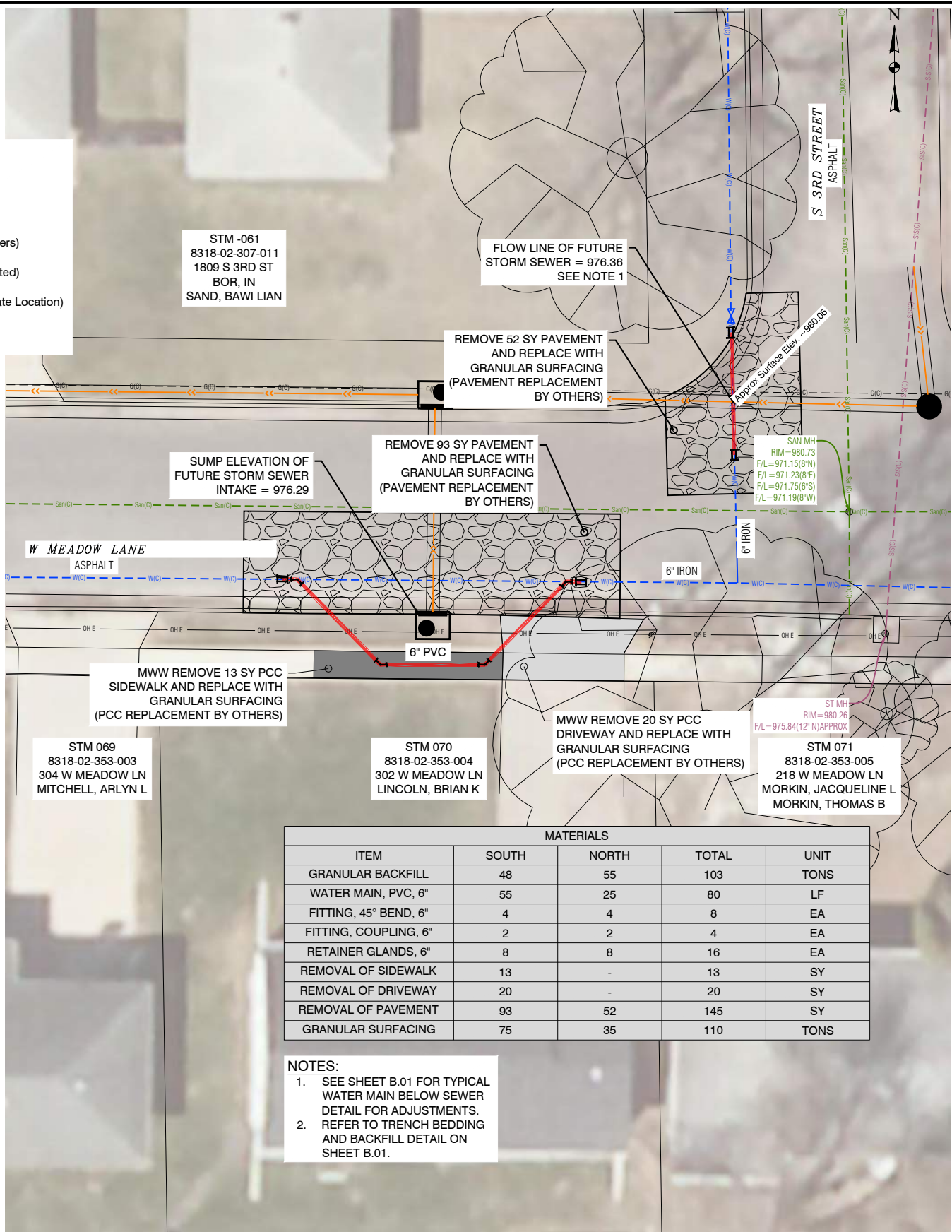


SPOT RELOCATION 'E'

CONSTRUCTION OF THIS SHALL BE COMPLETED BY MWW.

LEGEND

- Existing Sanitary Sewer
- Existing Storm Sewer
- Proposed Storm Sewer (By Others)
- Existing Water Main (Field Located)
- Existing Water Main (Approximate Location)
- Proposed Water Main



SPOT RELOCATION 'F'

CONSTRUCTION OF THIS SHALL BE COMPLETED BY MWW.



NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE



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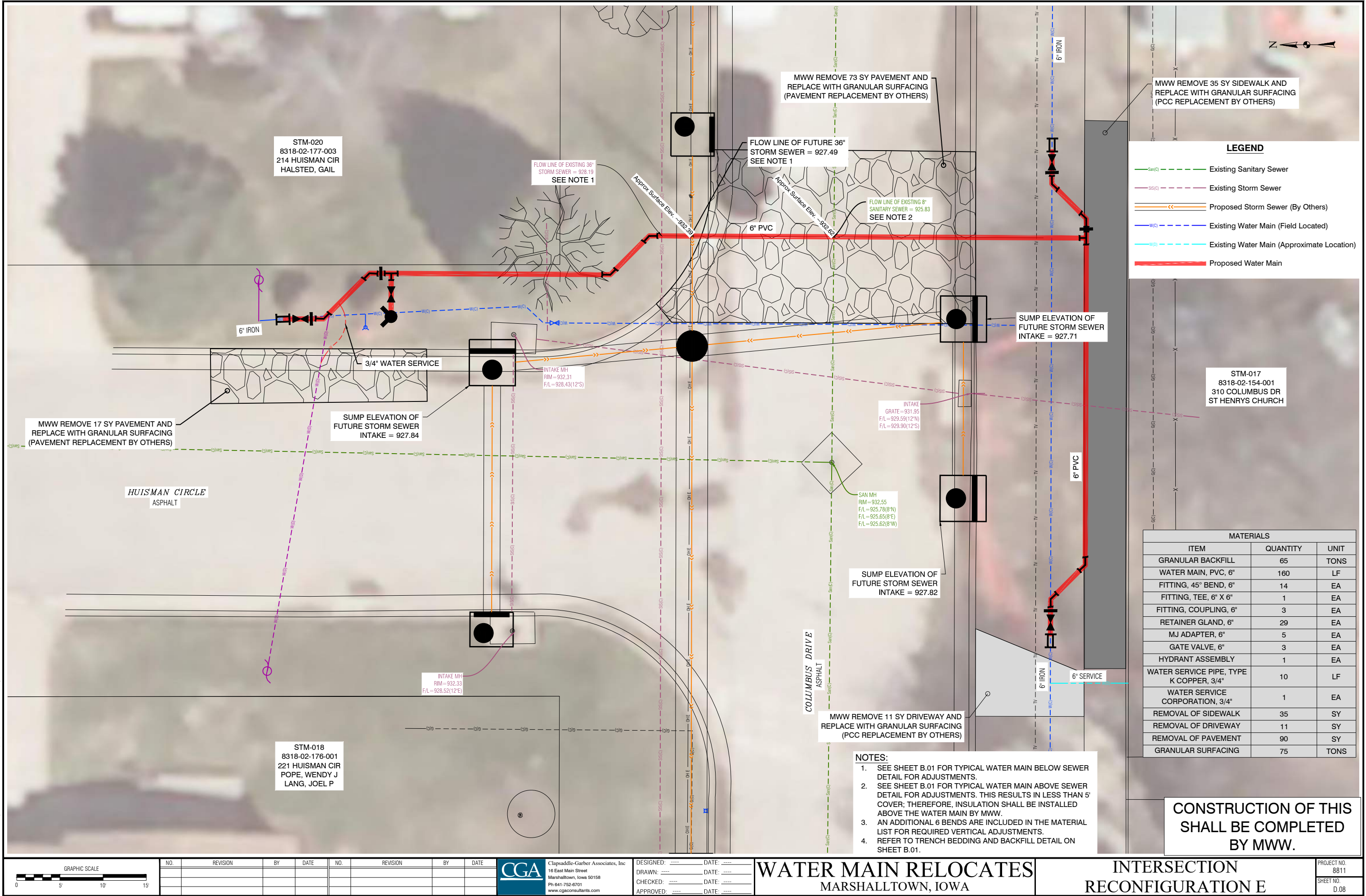
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DRAWN: _____	DATE: _____
CHECKED: _____	DATE: _____
APPROVED: _____	DATE: _____

WATER MAIN RELOCATES
MARSHALLTOWN, IOWA

SPOT RELOCATIONS E & F

PROJECT NO. 8811
SHEET NO. D.07

J:\8811.0 4th St Meadows SIm SewVlwg's Sheets\Water Main Relocates.dwg - Columbus & Huisman - 11-10-20 - 4:21pm - GTJ351



NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE



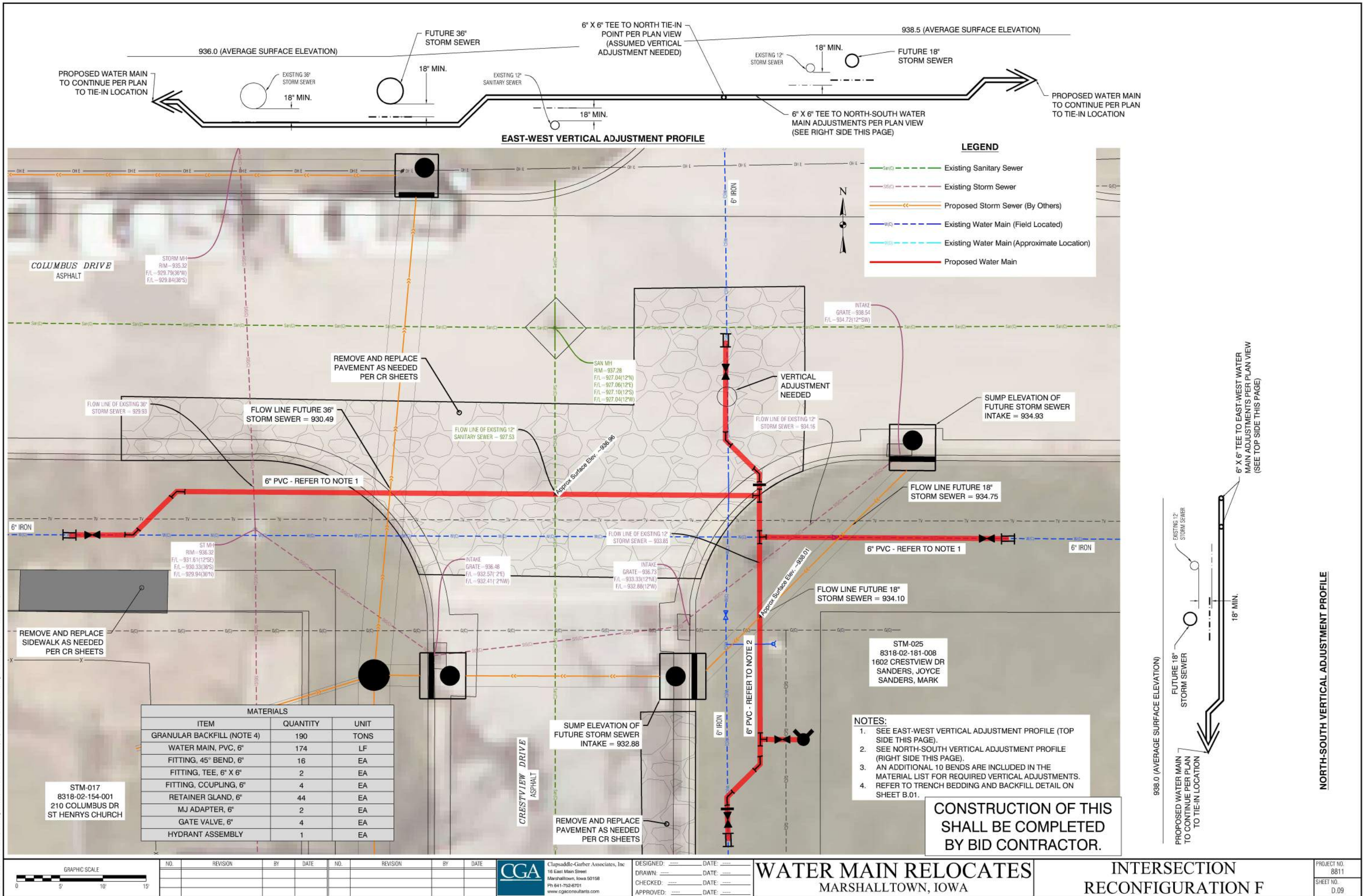
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Marshalltown, Iowa 50158
Ph 641-753-4701
www.cgaconsultants.com

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APPROVED: _____ DATE: _____

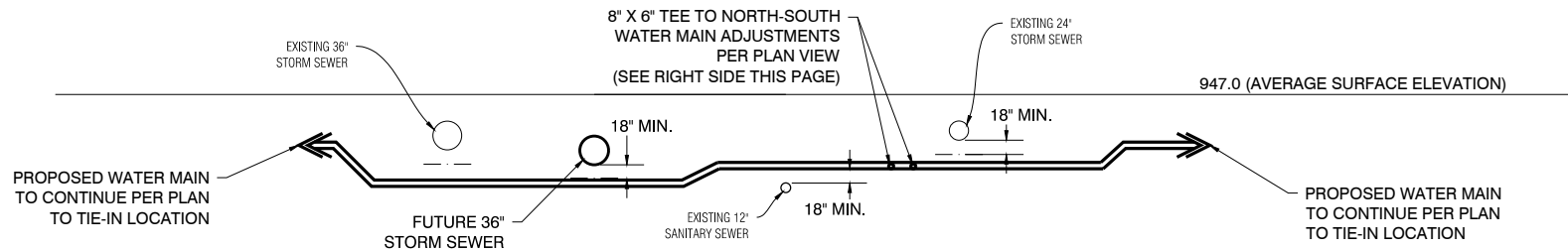
WATER MAIN RELOCATES MARSHALLTOWN, IOWA

INTERSECTION RECONFIGURATION E

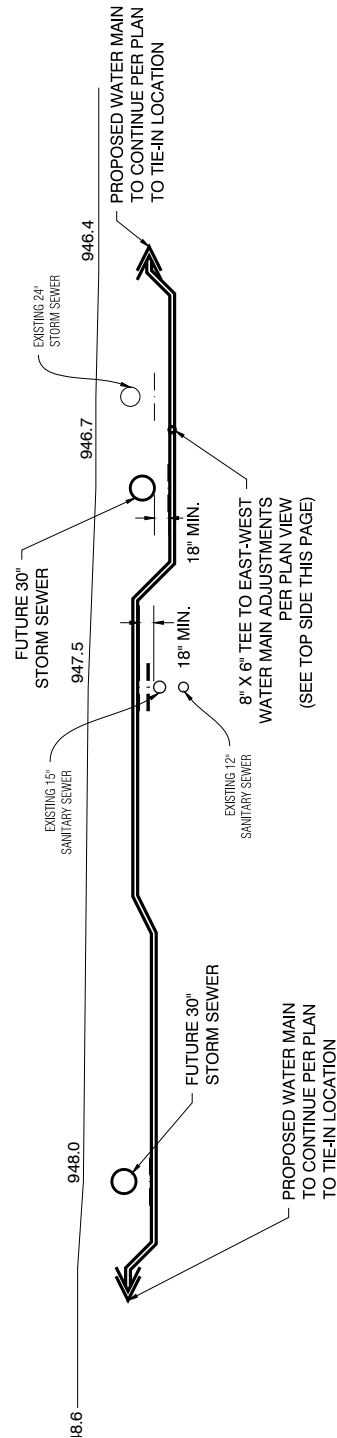
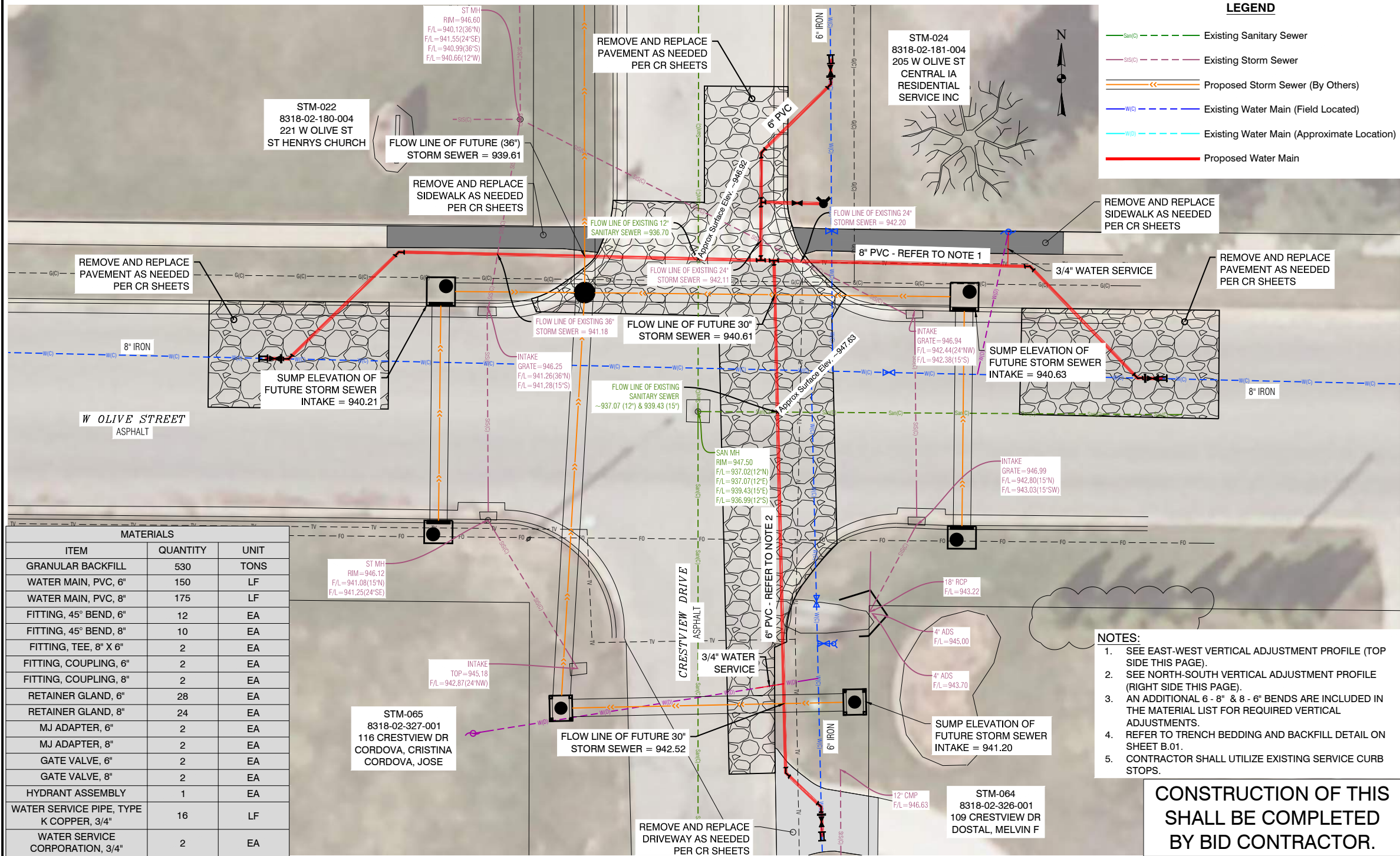
PROJECT NO.
8811
SHEET NO.
D.08



J:\8811.0 4th St Meadow Sm SewVlgs\Sheets\Water Main Relocates.dwg - Olive & Crest - 11-10-20 - 4:22pm - GT031



EAST-WEST VERTICAL ADJUSTMENT PROFILE



NORTH-SOUTH VERTICAL ADJUSTMENT PROFILE



NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE

CGA
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APPROVED: _____ DATE: _____

WATER MAIN RELOCATES
MARSHALLTOWN, IOWA

**INTERSECTION
RECONFIGURATION G**

PROJECT NO.
8811
SHEET NO.
D.10

RESOLUTION ADOPTING TENTATIVE RESOLUTION 2020-364 PROVIDING FOR THE VACATION, CONVEYANCE, AND TRANSFER OF STREET AND ALLEY HEREIN DESCRIBED FROM THE CITY OF MARSHALLTOWN, IOWA, TO THE MARSHALLTOWN COMMUNITY SCHOOL DISTRICT

WHEREAS, the Council of the City of Marshalltown, Iowa, did on the 28th day of December, 2020, place on file a Tentative Resolution proposing to vacate, transfer, and convey to the Marshalltown Community School District, subject to existing easements and restrictions of record, if any, of the described as follows:

THE SOUTH 106.00' OF THE NORTH-SOUTH ALLEY LOCATED BETWEEN LOTS 10, 11, 12, AND 13, BLOCK 3, ANSON'S FIFTH SUBDIVISION TO MARSHALLTOWN, MARSHALL COUNTY, IOWA, CONTAINING 0.35 ACRES (1,590 SQUARE FEET

THE SOUTH 106.00' OF VACATED SOUTH FOURTH AVENUE ADJACENT TO LOTS 12 AND 13, BLOCK 3, ANSON'S FIFTH SUBDIVISION TO MARSHALLTOWN, MARSHALL COUNTY, IOWA, CONTAINING 0.15 ACRES (6,360 SQUARE FEET)

; and

WHEREAS, published notice as required by the law of the intended conveyance by the CITY OF MARSHALLTOWN, IOWA, of the described alley and street has been duly published and no objections to the proposed conveyance have been filed in writing with the City Clerk and no objections thereto are made in open Council meeting to the proposed conveyance for the consideration therein described and that this is the time and place provided for in said Tentative Resolution and in the published notice for this Council to take final action upon said Tentative Resolution; and

WHEREAS, the vacation of street and alley is necessitated by the contemplated exchange of properties with the Marshalltown Community School District and the street and alley to be vacated are not required for any public purposes, the rights of private persons will not be adversely affected and the consideration to be paid is fair;

NOW THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF MARSHALLTOWN, IOWA:

Section 1. The Tentative Resolution placed on file in the office of the Clerk of the CITY OF MARSHALLTOWN, IOWA, on the 28th day of December, 2020, whereby it is proposed to

vacate, convey, and transfer title subject to existing easements of record for utility purposes, described as follows

THE SOUTH 106.00' OF THE NORTH-SOUTH ALLEY LOCATED BETWEEN LOTS 10, 11, 12, AND 13, BLOCK 3, ANSON'S FIFTH SUBDIVISION TO MARSHALLTOWN, MARSHALL COUNTY, IOWA, CONTAINING 0.35 ACRES (1,590 SQUARE FEET).

THE SOUTH 106.00' OF VACATED SOUTH FOURTH AVENUE ADJACENT TO LOTS 12 AND 13, BLOCK 3, ANSON'S FIFTH SUBDIVISION TO MARSHALLTOWN, MARSHALL COUNTY, IOWA, CONTAINING 0.15 ACRES (6,360 SQUARE FEET).

to the Marshalltown Community School District is hereby approved.

Passed this 11th day of January, 2021, and signed this _____ day of January, 2021.

CITY OF MARSHALLTOWN, IOWA

Joel Greer, Mayor

ATTEST:

Alicia Hunter, City Clerk

City Clerk Alicia Hunter introduced an ordinance entitled: "An Ordinance ratifying and repealing prior Ordinances related to Marshalltown Urban Revitalization Area No. 1."

It was moved by Council Member Isom and seconded by Council Member Wirin that the ordinance be given its initial consideration and that it be adopted. The Mayor put the question on the motion and the roll being called, the following named Council Members voted:

Ayes: Cahill, Gowdy, Hoop, Isom, Martin, Wirin

Nays: Thompson.

The Mayor declared the motion duly carried and declared that the ordinance had been given its initial consideration.

ORDINANCE NO. 15007

An Ordinance ratifying and repealing prior Ordinances related to Marshalltown Urban Revitalization Area No. 1

WHEREAS, pursuant to the provisions of Chapter 404, Code of Iowa (the "Act"), the City Council of the City of Marshalltown, Iowa (the "City"), upon the completion of procedures specified in the Act, by Ordinance No. 14173, adopted September 12, 1983, designated an area of the City as the Marshalltown Urban Revitalization Area No. 1 ("Revitalization Area No. 1") and set out the legal description of the property included in Revitalization Area No. 1; and

WHEREAS, subsequently, the City Council adopted Ordinances No. 14583, 14649, 14751 and 14882, which Ordinances stated that the revitalization plan for Revitalization Area No. 1 would be effective for a certain period of time; and

WHEREAS, pursuant to the provisions of the Act, on December 28, 2020, the City Council adopted a resolution which declares that the plan for Revitalization Area No. 1 will be effective until such time as Ordinance No. 14173, which designated Revitalization Area No. 1, is repealed by the City Council;

NOW, THEREFORE, Be It Enacted by the City Council of the City of Marshalltown, as follows:

Section 1. The provisions of Ordinance No. 14173 are hereby confirmed and ratified, including the legal description of property that is included in Revitalization Area No. 1.

Section 2. Ordinance No. 14882, enacted February 28, 2011, is hereby repealed.

Section 3. All ordinances or parts of ordinances in conflict herewith are hereby repealed to the extent of such conflict. This ordinance shall be in effect after its final passage, approval and publication, as provided by law.

Passed and approved December 28, 2020.

Mayor

Attest:

Alicia Hunter
City Clerk

City Clerk Alicia Hunter introduced an ordinance entitled: "An Ordinance ratifying and repealing prior Ordinances related to Marshalltown Urban Revitalization Area No. 2."

It was moved by Council Member Gowdy and seconded by Council Member Isom that the ordinance be given its initial consideration and that it be adopted. The Mayor put the question on the motion and the roll being called, the following named Council Members voted:

Ayes: Cahill, Gowdy, Hoop, Isom, Martin, Wirin

Nays: Thompson.

The Mayor declared the motion duly carried and declared that the ordinance had been given its initial consideration.

ORDINANCE NO. 15008

An Ordinance ratifying and repealing prior Ordinances related to Marshalltown Urban Revitalization Area No. 2

WHEREAS, pursuant to the provisions of Chapter 404, Code of Iowa (the "Act"), the City Council of the City of Marshalltown, Iowa (the "City"), upon the completion of procedures specified in the Act, by Ordinance No. 14215, adopted June 13, 1985, designated an area of the City as the Marshalltown Urban Revitalization Area No. 2 ("Revitalization Area No. 2") and set out the legal description of the property included in Revitalization Area No. 2; and

WHEREAS, subsequently, the City Council adopted Ordinances No. 14583, 14650, 14752 and 14883, which Ordinances stated that the revitalization plan for Revitalization Area No. 2 would be effective for a certain period of time; and

WHEREAS, pursuant to the provisions of the Act, on December 28, 2020, the City Council adopted a resolution which declares that the plan for Revitalization Area No. 2 will be effective until such time as Ordinance No. 14215, which designated Revitalization Area No. 2, is repealed by the City Council;

NOW, THEREFORE, Be It Enacted by the City Council of the City of Marshalltown, as follows:

Section 1. The provisions of Ordinance No. 14215 are hereby confirmed and ratified, including the legal description of property that is included in Revitalization Area No. 2.

Section 2. Ordinance No. 14883, enacted February 28, 2011, is hereby repealed.

Section 3. All ordinances or parts of ordinances in conflict herewith are hereby repealed to the extent of such conflict. This ordinance shall be in effect after its final passage, approval and publication, as provided by law.

Passed and approved December 28, 2020.

Mayor

Attest:

Alicia Hunter
City Clerk

• • • •

Upon motion and vote, the meeting adjourned.

Mayor

A handwritten signature in blue ink, appearing to read "Joel Guen", written over a horizontal line.

Attest:


City Clerk

A handwritten signature in blue ink, appearing to read "Alicia Hunter", written over a horizontal line.

SECOND CONSIDERATION OF
ORDINANCES RATIFYING AND
REPEALING ORDINANCES RELATED TO
MARSHALLTOWN URBAN
REVITALIZATION AREAS

422742-41

(Ords.–Second Consideration)

Marshalltown, Iowa

_____, 2021

The City Council of the City of Marshalltown, Iowa, met on the ____ day of _____, 2021, at 5:30 p.m., at the City Hall.

The Mayor presided and the roll was called showing members present and absent, as follows:

Present: _____

Absent: _____.

It was reported that, on December 28, 2020, the Council had given its initial consideration to an ordinance entitled “Ordinance No. _____. An Ordinance ratifying and repealing Ordinances related to Marshalltown Urban Revitalization Area No. 1.”

It was moved by Council Member _____ and seconded by Council Member _____ that the ordinance be given its second consideration and that it be adopted. The Mayor put the question on the motion and the roll being called, the following named Council Members voted:

Ayes: _____

Nays: _____.

Whereupon, the Mayor declared the motion duly carried and declared that said ordinance had been given its second consideration.

It was also reported that, on December 28, 2020, the Council had given its initial consideration to an ordinance entitled “Ordinance No. _____. An Ordinance ratifying and repealing Ordinances related to Marshalltown Urban Revitalization Area No. 2.”

It was moved by Council Member _____ and seconded by Council Member _____ that the ordinance be given its second consideration and that it be adopted. The Mayor put the question on the motion and the roll being called, the following named Council Members voted:

Ayes: _____

Nays: _____.

Whereupon, the Mayor declared the motion duly carried and declared that said ordinance had been given its second consideration.

* * * *

There being no further business to come before the meeting, it was upon motion adjourned.

Mayor

Attest:

City Clerk

FINAL CONSIDERATION AND PASSAGE
OF ORDINANCES RATIFYING AND
REPEALING ORDINANCES RELATED TO
MARSHALLTOWN URBAN
REVITALIZATION AREAS

422742-41

(Final Consideration And Adoption)

Marshalltown, Iowa

_____, 2021

The City Council of the City of Marshalltown, Iowa, met on the ____ day of _____, 2021, at 5:30 p.m., at the City Hall.

The Mayor presided and the roll was called showing members present and absent, as follows:

Present: _____

Absent: _____.

It was reported that on December 28, 2020 and on _____, 2021, the Council had given initial and second consideration to an ordinance entitled "Ordinance No. _____. An Ordinance Ratifying and Repealing Ordinances Related to Marshalltown Urban Revitalization Area No. 1."

It was moved by Council Member _____ and seconded by Council Member _____ that the ordinance be given its final consideration and that it be adopted. The Mayor put the question on the motion and the roll being called, the following named Council Members voted:

Ayes: _____

Nays: _____.

Whereupon, the Mayor declared the motion duly carried and declared that said ordinance had been given its final consideration and had been adopted.

It was also reported that on December 28, 2020 and on _____, 2021, the Council had given initial and second consideration to an ordinance entitled "Ordinance No. _____. An Ordinance Ratifying and Repealing Ordinances Related to Marshalltown Urban Revitalization Area No. 2."

It was moved by Council Member _____ and seconded by Council Member _____ that the ordinance be given its final consideration and that it be adopted. The Mayor put the question on the motion and the roll being called, the following named Council Members voted:

Ayes: _____

Nays: _____.

Whereupon, the Mayor declared the motion duly carried and declared that said ordinance had been given its final consideration and had been adopted.

* * * *

There being no further business to come before the meeting, it was upon motion adjourned.

Mayor

Attest:

City Clerk

STATE OF IOWA
COUNTY OF MARSHALL SS:
CITY OF MARSHALLTOWN

I, the undersigned, City Clerk of the City of Marshalltown, Iowa, do hereby certify that the above and foregoing is a true, correct and complete copy of the minutes of meetings of the Marshalltown City Council with respect to the adoption of resolutions approving amendments to the plans for Marshalltown Urban Revitalization Area No. 1 and Marshalltown Urban Revitalization Area No. 2 and adopting Ordinances ratifying and repealing prior Ordinances related to each of the Urban Revitalization Areas, including true and complete copies of the resolutions and ordinances referred to in such minutes.

WITNESS MY HAND this ____ day of _____, 2021.

City Clerk

STATE OF IOWA
COUNTY OF MARSHALL SS:
CITY OF MARSHALLTOWN

I, the undersigned City Clerk of the City of Marshalltown, Iowa, do hereby certify that certain Ordinances related to Marshalltown Urban Revitalization Areas, or summaries of such Ordinances, of which the printed slips attached to the publisher's original affidavits hereto attached are true and complete copies, were published on the date and in the newspaper specified in such affidavit, and that such newspaper has a general circulation in the City.

WITNESS MY HAND this ____ day of _____, 2021.

City Clerk

(Attach hereto publisher's affidavits of publication with clippings of ordinances or summaries, as published.)

December 22, 2020

Alicia Hunter
City Clerk/City Hall
24 North Center Street
Marshalltown, IA 50158

Re: Marshalltown Urban Revitalization Areas 2020 Amendments and Ordinances
Our File No. 422742-41

Dear Alicia:

I have prepared proceedings that may be used at the Council meeting on December 28 to hold the hearings on the 2020 amendments to the Marshalltown Urban Revitalization Plans, to approve resolutions amending each plan and to adopt the initial consideration of ordinance related to each area. These proceedings also cover actions at two subsequent meetings for the second and final considerations of each ordinance.

These proceedings include the following items:

1. Hearing on Amendments to revitalization plans for Marshalltown Urban Revitalization Area No. 1 and Marshalltown Urban Revitalization Area No. 2, followed by Resolution adopting those Amendments. The Amendments are set out as Exhibits to the Resolution.
2. Initial Consideration of Ordinance related to Urban Revitalization Area No. 1
3. Initial Consideration of Ordinance related to Urban Revitalization Area No. 2
4. Second Consideration of Ordinance related to Urban Revitalization Area No. 1
5. Second Consideration of Ordinance related to Urban Revitalization Area No. 2
6. Final Consideration of Ordinance related to Urban Revitalization Area No. 1
7. Final Consideration of Ordinance related to Urban Revitalization Area No. 2
8. Certificate attesting the entire transcript.
9. Certificate attesting to the publication of the ordinances or summaries

Please return one fully executed copy of these proceedings to my office.

Sincerely,

Robert E. Josten

Cc by email: Jessica Kinser
Diana Steiner

City Clerk Alicia Hunter introduced an ordinance entitled: "An Ordinance ratifying and repealing prior Ordinances related to Marshalltown Urban Revitalization Area No. 1."

It was moved by Council Member Isom and seconded by Council Member Wirin that the ordinance be given its initial consideration and that it be adopted. The Mayor put the question on the motion and the roll being called, the following named Council Members voted:

Ayes: Cahill, Gowdy, Hoop, Isom, Martin, Wirin

Nays: Thompson.

The Mayor declared the motion duly carried and declared that the ordinance had been given its initial consideration.

ORDINANCE NO. 15007

An Ordinance ratifying and repealing prior Ordinances related to Marshalltown Urban Revitalization Area No. 1

WHEREAS, pursuant to the provisions of Chapter 404, Code of Iowa (the "Act"), the City Council of the City of Marshalltown, Iowa (the "City"), upon the completion of procedures specified in the Act, by Ordinance No. 14173, adopted September 12, 1983, designated an area of the City as the Marshalltown Urban Revitalization Area No. 1 ("Revitalization Area No. 1") and set out the legal description of the property included in Revitalization Area No. 1; and

WHEREAS, subsequently, the City Council adopted Ordinances No. 14583, 14649, 14751 and 14882, which Ordinances stated that the revitalization plan for Revitalization Area No. 1 would be effective for a certain period of time; and

WHEREAS, pursuant to the provisions of the Act, on December 28, 2020, the City Council adopted a resolution which declares that the plan for Revitalization Area No. 1 will be effective until such time as Ordinance No. 14173, which designated Revitalization Area No. 1, is repealed by the City Council;

NOW, THEREFORE, Be It Enacted by the City Council of the City of Marshalltown, as follows:

Section 1. The provisions of Ordinance No. 14173 are hereby confirmed and ratified, including the legal description of property that is included in Revitalization Area No. 1.

Section 2. Ordinance No. 14882, enacted February 28, 2011, is hereby repealed.

Section 3. All ordinances or parts of ordinances in conflict herewith are hereby repealed to the extent of such conflict. This ordinance shall be in effect after its final passage, approval and publication, as provided by law.

Passed and approved December 28, 2020.

Mayor

Attest:

Alicia Hunter
City Clerk

City Clerk Alicia Hunter introduced an ordinance entitled: "An Ordinance ratifying and repealing prior Ordinances related to Marshalltown Urban Revitalization Area No. 2."

It was moved by Council Member Gowdy and seconded by Council Member Isom that the ordinance be given its initial consideration and that it be adopted. The Mayor put the question on the motion and the roll being called, the following named Council Members voted:

Ayes: Cahill, Gowdy, Hoop, Isom, Martin, Wirin

Nays: Thompson.

The Mayor declared the motion duly carried and declared that the ordinance had been given its initial consideration.

ORDINANCE NO. 15008

An Ordinance ratifying and repealing prior Ordinances related to Marshalltown Urban Revitalization Area No. 2

WHEREAS, pursuant to the provisions of Chapter 404, Code of Iowa (the "Act"), the City Council of the City of Marshalltown, Iowa (the "City"), upon the completion of procedures specified in the Act, by Ordinance No. 14215, adopted June 13, 1985, designated an area of the City as the Marshalltown Urban Revitalization Area No. 2 ("Revitalization Area No. 2") and set out the legal description of the property included in Revitalization Area No. 2; and

WHEREAS, subsequently, the City Council adopted Ordinances No. 14583, 14650, 14752 and 14883, which Ordinances stated that the revitalization plan for Revitalization Area No. 2 would be effective for a certain period of time; and

WHEREAS, pursuant to the provisions of the Act, on December 28, 2020, the City Council adopted a resolution which declares that the plan for Revitalization Area No. 2 will be effective until such time as Ordinance No. 14215, which designated Revitalization Area No. 2, is repealed by the City Council;

NOW, THEREFORE, Be It Enacted by the City Council of the City of Marshalltown, as follows:

Section 1. The provisions of Ordinance No. 14215 are hereby confirmed and ratified, including the legal description of property that is included in Revitalization Area No. 2.

Section 2. Ordinance No. 14883, enacted February 28, 2011, is hereby repealed.

Section 3. All ordinances or parts of ordinances in conflict herewith are hereby repealed to the extent of such conflict. This ordinance shall be in effect after its final passage, approval and publication, as provided by law.

Passed and approved December 28, 2020.

Mayor

Attest:

Alicia Hunter
City Clerk

• • • •

Upon motion and vote, the meeting adjourned.

Mayor

A handwritten signature in blue ink, appearing to read "Joel Guen", written over a horizontal line.

Attest:


City Clerk

A handwritten signature in blue ink, appearing to read "Alicia Hunter", written over a horizontal line.

SECOND CONSIDERATION OF
ORDINANCES RATIFYING AND
REPEALING ORDINANCES RELATED TO
MARSHALLTOWN URBAN
REVITALIZATION AREAS

422742-41

(Ords.–Second Consideration)

Marshalltown, Iowa

_____, 2021

The City Council of the City of Marshalltown, Iowa, met on the ____ day of _____, 2021, at 5:30 p.m., at the City Hall.

The Mayor presided and the roll was called showing members present and absent, as follows:

Present: _____

Absent: _____.

It was reported that, on December 28, 2020, the Council had given its initial consideration to an ordinance entitled “Ordinance No. _____. An Ordinance ratifying and repealing Ordinances related to Marshalltown Urban Revitalization Area No. 1.”

It was moved by Council Member _____ and seconded by Council Member _____ that the ordinance be given its second consideration and that it be adopted. The Mayor put the question on the motion and the roll being called, the following named Council Members voted:

Ayes: _____

Nays: _____.

Whereupon, the Mayor declared the motion duly carried and declared that said ordinance had been given its second consideration.

It was also reported that, on December 28, 2020, the Council had given its initial consideration to an ordinance entitled “Ordinance No. _____. An Ordinance ratifying and repealing Ordinances related to Marshalltown Urban Revitalization Area No. 2.”

It was moved by Council Member _____ and seconded by Council Member _____ that the ordinance be given its second consideration and that it be adopted. The Mayor put the question on the motion and the roll being called, the following named Council Members voted:

Ayes: _____

Nays: _____.

Whereupon, the Mayor declared the motion duly carried and declared that said ordinance had been given its second consideration.

* * * *

There being no further business to come before the meeting, it was upon motion adjourned.

Mayor

Attest:

City Clerk

FINAL CONSIDERATION AND PASSAGE
OF ORDINANCES RATIFYING AND
REPEALING ORDINANCES RELATED TO
MARSHALLTOWN URBAN
REVITALIZATION AREAS

422742-41

(Final Consideration And Adoption)

Marshalltown, Iowa

_____, 2021

The City Council of the City of Marshalltown, Iowa, met on the ____ day of _____, 2021, at 5:30 p.m., at the City Hall.

The Mayor presided and the roll was called showing members present and absent, as follows:

Present: _____

Absent: _____.

It was reported that on December 28, 2020 and on _____, 2021, the Council had given initial and second consideration to an ordinance entitled "Ordinance No. _____. An Ordinance Ratifying and Repealing Ordinances Related to Marshalltown Urban Revitalization Area No. 1."

It was moved by Council Member _____ and seconded by Council Member _____ that the ordinance be given its final consideration and that it be adopted. The Mayor put the question on the motion and the roll being called, the following named Council Members voted:

Ayes: _____

Nays: _____.

Whereupon, the Mayor declared the motion duly carried and declared that said ordinance had been given its final consideration and had been adopted.

It was also reported that on December 28, 2020 and on _____, 2021, the Council had given initial and second consideration to an ordinance entitled "Ordinance No. _____. An Ordinance Ratifying and Repealing Ordinances Related to Marshalltown Urban Revitalization Area No. 2."

It was moved by Council Member _____ and seconded by Council Member _____ that the ordinance be given its final consideration and that it be adopted. The Mayor put the question on the motion and the roll being called, the following named Council Members voted:

Ayes: _____

Nays: _____.

Whereupon, the Mayor declared the motion duly carried and declared that said ordinance had been given its final consideration and had been adopted.

* * * *

There being no further business to come before the meeting, it was upon motion adjourned.

Mayor

Attest:

City Clerk

STATE OF IOWA
COUNTY OF MARSHALL SS:
CITY OF MARSHALLTOWN

I, the undersigned, City Clerk of the City of Marshalltown, Iowa, do hereby certify that the above and foregoing is a true, correct and complete copy of the minutes of meetings of the Marshalltown City Council with respect to the adoption of resolutions approving amendments to the plans for Marshalltown Urban Revitalization Area No. 1 and Marshalltown Urban Revitalization Area No. 2 and adopting Ordinances ratifying and repealing prior Ordinances related to each of the Urban Revitalization Areas, including true and complete copies of the resolutions and ordinances referred to in such minutes.

WITNESS MY HAND this ____ day of _____, 2021.

City Clerk

STATE OF IOWA
COUNTY OF MARSHALL SS:
CITY OF MARSHALLTOWN

I, the undersigned City Clerk of the City of Marshalltown, Iowa, do hereby certify that certain Ordinances related to Marshalltown Urban Revitalization Areas, or summaries of such Ordinances, of which the printed slips attached to the publisher's original affidavits hereto attached are true and complete copies, were published on the date and in the newspaper specified in such affidavit, and that such newspaper has a general circulation in the City.

WITNESS MY HAND this ____ day of _____, 2021.

City Clerk

(Attach hereto publisher's affidavits of publication with clippings of ordinances or summaries, as published.)

December 22, 2020

Alicia Hunter
City Clerk/City Hall
24 North Center Street
Marshalltown, IA 50158

Re: Marshalltown Urban Revitalization Areas 2020 Amendments and Ordinances
Our File No. 422742-41

Dear Alicia:

I have prepared proceedings that may be used at the Council meeting on December 28 to hold the hearings on the 2020 amendments to the Marshalltown Urban Revitalization Plans, to approve resolutions amending each plan and to adopt the initial consideration of ordinance related to each area. These proceedings also cover actions at two subsequent meetings for the second and final considerations of each ordinance.

These proceedings include the following items:

1. Hearing on Amendments to revitalization plans for Marshalltown Urban Revitalization Area No. 1 and Marshalltown Urban Revitalization Area No. 2, followed by Resolution adopting those Amendments. The Amendments are set out as Exhibits to the Resolution.
2. Initial Consideration of Ordinance related to Urban Revitalization Area No. 1
3. Initial Consideration of Ordinance related to Urban Revitalization Area No. 2
4. Second Consideration of Ordinance related to Urban Revitalization Area No. 1
5. Second Consideration of Ordinance related to Urban Revitalization Area No. 2
6. Final Consideration of Ordinance related to Urban Revitalization Area No. 1
7. Final Consideration of Ordinance related to Urban Revitalization Area No. 2
8. Certificate attesting the entire transcript.
9. Certificate attesting to the publication of the ordinances or summaries

Please return one fully executed copy of these proceedings to my office.

Sincerely,

Robert E. Josten

Cc by email: Jessica Kinser
Diana Steiner

ORDINANCE 15009

AN ORDINANCE AMENDING THE CODE OF ORDINANCES OF THE CITY OF MARSHALLTOWN, IOWA, BY SETTING OUT SCHEDULED FINE AMOUNTS FOR SPEEDING IN VIOLATION OF CHAPTER 76, SCHEDULE VIII

BE IT ENACTED by the City Council of the City of Marshalltown, Iowa:

SECTION 1. Amendment. Chapter 76, Schedule VIII of the Code of Ordinances of the City of Marshalltown, Iowa, is amended by repealing Section (A)(2), and the following is adopted:

- "(2) The following shall be the lawful speed, and except as modified, any speed in excess thereof shall be unlawful, and the scheduled fines provided herein shall apply:
- (a) In any business district: 20 mph;
 - (b) In any residence or school district: 25 mph;
 - (c) For any motor vehicle drawing another vehicle outside of a business, residence, or school district: 40 mph; and
 - (d) In any suburban district: 45 mph.
 - (e) The following scheduled fines shall apply in all districts and situations set out above:
 - (i) Thirty dollars for speed not more than five mph in excess of the limit.
 - (ii) Fifty-five dollars for speed greater than five but not more than ten mph in excess of the limit.
 - (iii) One hundred five dollars for speed greater than ten but not more than fifteen mph in excess of the limit.
 - (iv) One hundred twenty dollars for speed greater than fifteen but not more than twenty mph in excess of the limit.
 - (v) One hundred thirty-five dollars plus five dollars for each mph of excessive speed over twenty mph over the limit."

SECTION 2. Amendment. Chapter 76, Schedule VIII, is further amended by repealing the language at (A)(3), and the following is adopted:

- "(3) The maximum speed limits on the following designated streets, avenues, roads or drives is established at the rate set out in the table below and the scheduled fines provided in Section (2)(e) above shall apply."

SECTION 3. Repealer. All ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed.

SECTION 4. Severability Clause. If any section, provision or part of this ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the ordinance as a whole or any section, provision or part thereof not adjudged any section, provision, or part thereof not adjudged invalid or unconstitutional.

SECTION 5. When Effective. This ordinance shall be in effect after its final passage, approval, and publication as provided by law.

CITY OF MARSHALLTOWN, IOWA

Joel Greer, Mayor

ATTEST:

Alicia Hunter, City Clerk

I, Alicia Hunter, City Clerk of the City of Marshalltown, Iowa, do hereby certify that the foregoing ORDINANCE was passed and approved by the City Council of the City of Marshalltown, Iowa, on the ____ day of _____, 2021, and was published in the Marshalltown Times-Republican, a newspaper of general circulation in the City of Marshalltown, Iowa, on the ____ day of _____, 2021.

Alicia Hunter, City Clerk



POLICE DEPARTMENT

Joel Greer, Mayor
Jessica Kinser, City Administrator
Michael W. Tupper, Chief of Police
909 South Second Street
Marshalltown, IA 50158-4911
Tel - (641) 754-5725
Fax - (641) 752-1211

TO: Mayor Joel Greer
Members of the City Council
Jessica Kinser, City Administrator

FROM: Michael W. Tupper
Chief of Police

DATE: 6 January 2021

RE: Ordinance Amendment – Chapter 76, Schedule VIII (Speeding)

Policy Issue: City council approval is required for city ordinance amendments.

Recommendation: Staff recommends council approve an ordinance amending the code of ordinances of the City of Marshalltown by setting out a schedule of fine amounts for speeding in violation of Chapter 76, Schedule VIII.

Staff further recommends the council waive the second and third readings of this ordinance amendment so police officers can immediately utilize the amended ordinance during traffic enforcement operations.

Background: When re-codification occurred in 2019, the city ordinance dealing with speeding violations was re-codified without listing a fine schedule. The Clerk of Court for Marshall County has requested this ordinance amendment to clarify what the scheduled fines are for speeding violations. The fine schedule proposed is consistent with the schedule of fines for speeding violations under state law.

Budget Impact: None

Attachment: Ordinance amendment document.

MARSHALLTOWN

— I O W A —

City Administrator's Office

Joel Greer, Mayor
Jessica Kinser, Administrator
Alicia Hunter, City Clerk
24 North Center Street
Marshalltown, IA 50158-4911
Tel - (641) 754-5799
Fax - (641) 754-5717

To: Mayor Greer and the City Council
From: Jessica Kinser, City Administrator
Date: December 22, 2020
RE: Draft of Strategic Plan

The virtual strategic planning session held on November 20th got a start on discussing two of our four goals and left Council and staff evaluating goals three and four via an online survey. What the virtual session missed was how feedback and ideas from a normal strategic planning session get distilled into draft documents and instead went straight to distilling in the session. I wanted to back the process up a bit and go back through some of the other documents before getting into the work plan. This memo follows the order of the items included as part of the agenda.

1. Vision and Values

The consensus was that no changes were needed to the City's vision and values. We were all able to provide great examples of our values in action.

2. SWOT Analysis

The discussion of strengths, weaknesses, opportunities and threats brought about some changes to the SWOT analysis. The draft document is updated to reflect the changes discussed, but this is still open for discussion.

3. Goals, Objectives, Actions

We agreed that the goals were still relevant, but did not have an in-depth discussion on the objectives still contributing to each of the larger goals. I have taken the data we did have from the prioritizations and worked with it in a backwards fashion to state draft objectives and potential broad actions with those. Anything in bold is new. Some strikethroughs are used to show changes as well.

4. Implementation Plan

Once we have agreed on the goals, objectives, and actions, staff would then formulate a work plan for how to work towards the City's goals and objectives. The draft work plan is not an exact copy of the actions from above, though it might be in some cases. This includes dates in which we (staff) believe we can accomplish the various things that keep us moving closer to achieving our goals. Anything in bold is new from the prior year. A green highlight means that those

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items were ranked highly by those participating on the 20th and through the online survey for goals 3 and 4 (separate information attached).

I have worked to convert a number of items that were previously “ongoing” in timeframe, to be written as a specific action with a specific date. I also want to point out that the Key Indicators (blue sections with the goals and objectives) still need work. I have been working to start pulling data together and working on how to create our own “dashboard” with it for communication with you and the public about our progress towards our goals.

Finally, we have a draft of the Community Survey back, which had one question area that is very important as we look at finalizing our plan: ratings on focus areas in the coming two years. Every item has more than 50 percent of a response as being Essential to Very Important. As you look further through the goals and objectives and the action plan, please do it through the lens of whether we have put the focus requested of us in the Community Survey.

Once we have a draft that the Council is comfortable proceeding forward with, we will finalize with a resolution on a future City Council meeting.

City Council

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The City of Marshalltown collaborates to provide a welcoming, safe, vibrant, and growing community.

To achieve this mission, we place importance on the following values:

- ⇒ **Inclusiveness** – working as one to deliver exceptional outcomes
- ⇒ **Innovation** – willingness to take risks, looking to the future while respecting the past, progressing forward
- ⇒ **Stewardship** – respecting the human, financial and natural resources of the community
- ⇒ **Trust** – establishing respectful relationships, being a caring community
- ⇒ **Excellence** – striving for a common standard in everything we do

The Mayor and City Council and department head team identified internal and external forces that positively or negatively impact our planning efforts in 2021 and beyond.

STRENGTHS

An internal look at what we do well

- Professionalism
- Partnerships with public-minded organizations
- Fiscal soundness
- Planning/Forward thinking staff
- Quality services provided by quality employees
- Updated technology (website/phones)
- Trusted and supported by the community
- Volunteerism and leadership of elected officials and staff
- Physical assets- new streets, Coliseum
- Collaborative internal culture
- Strong staff work ethic
- Optimism/Perseverance/Pride
- Disaster experience

WEAKNESSES

An internal look at areas we can improve upon

- Hard on ourselves, not always showing community pride
- Communication in other languages
- Communication w/ public
- Negativity
- General Fund stability and overall declining revenues to support services
- Lack of applicants for jobs
- Pay scale issues between bargaining, non-bargaining
- Lack of representative boards & commissions
- Perceived lack of code enforcement
- Support of neighborhood revitalization
- Lack of organizational diversity
- Limited cross-training/succession planning
- Lack of staff capacity/employee burnout

OPPORTUNITIES

Positive external forces helping the City achieve our goals

- Infrastructure projects
 - Airport, Trails, Library, Edgewood extension, FEMA streets
- Accessibility through sidewalks, ADA Transition Plan
- Tornado, derecho rebuilding and recovery
- Downtown Implementation Plan
- Chance to change identity
- Highway 14 Corridor Study/ DOT resurfacing project
- Diverse community
- New partnerships for shared programming
- Housing Strategy
- Committed corporate community
- Proximity to larger communities
- Legislative influence
- UPH Downtown Campus
- New medical facilities
- Education- MCSD and MCC
- Volunteers

THREATS

External obstacles facing the City

- Backfill, legislative actions impacting local control
- Declining valuations
- High commuter rate
- City image and reputation, both inside/outside
- Qualified labor
- Loss/lack of medical, mental health services
- Loss of retail, box store and small business
- Nat'l economy slowdown
- Listening to 1% negative
- Population loss
- Poverty/lack of living wage
- Remaining static/no growth
- Federal grant cuts
- Tariffs
- Proximity to larger communities
- School open enrollment
- Unknown of disaster recovery
- Attitudes towards diversity
- UPH Downtown Campus
- Unemployment/underemployment
- Limited quality childcare
- Long-term impact of COVID

GOAL 1: EXPAND AND IMPROVE DEVELOPMENT IN THE COMMUNITY

Objective 1: Support the Marshalltown Central Business District and development in Downtown

- *Develop & implement design standards for the Historic District & Central Business District*
- **Work to address blight in the MCB**
- *Identify & promote public funding options for development*
- *Implement the Downtown Master Plan high priority recommendations*

Objective 2: Support and promote commercial and industrial development

- *Work with the Chamber to proactively pursue prospects*
- *Complete the rezoning of the north Highway 14 Corridor*
- *Enhance relationships with existing industries*
- *Implement the Highway 14 Corridor Study*
- **Promote the development of industry with the Edgewood Extension/industrial area**
- **Create processes for development which are user-friendly for the developer**

Objective 3: Look at innovative ways to further enhance housing quality and quantity

- *Identify and plan for the redevelopment of vacant lots through the D&D program*
- ~~*Review zoning ordinance requirement for minimum standards for dwelling sizes in residential areas*~~
- **Participate/engage with Marshalltown Community Development Corporation**
- *Review incentives for infill development on the north side*

Objective 4: Ensure appropriate infrastructure exists for all types of development

- *Partner with housing developers to install infrastructure which enhances new development*
- *Complete transportation projects which provide development opportunities*

We will know our actions were effective through development occurring and through the creation of areas which are ready for development.

Key indicators for measurement of this goal are the following:

⇒ **Building Permits Issued**

- By property type (residential, commercial/industrial)
 - New construction, alteration, demolition
- Downtown, Highway 14 Corridor, Urban Renewal Areas
- \$ value of improvements by property type and area

⇒ **Residential Unit Demand**

- Track new residential unit development with the Chamber goal to build 1,000 new units by 2024

⇒ **Property Revitalization**

- % of D&D properties redeveloped or reused
- Assessed valuations before demolition and after redevelopment/reuse
- Assessed valuations by property tax class

⇒ **Grade of developable property**

- Infrastructure costs
- Residential unit availability
- Access to amenities

GOAL 2: ENHANCE MARSHALLTOWN'S PUBLIC IMAGE

Objective 1: Eliminate blight throughout the community

- *Continue the Dangerous and Dilapidated Building Program and obtaining title to properties*
- *Implement the Lead Program*
- ***Enhance ways for citizens to report nuisance issues, including providing updates***

Objective 2: Design and construct capital projects which enhance quality of life and aesthetics

- *Complete the Airport Hangar/Terminal project*
- *Develop a plan for enhancing infrastructure in the MCB and implementing recommendations of the Master Plan*
- *Implement the Wayfinding Master Plan*
- *Complete the railroad crossing safety improvements proposed for the Union Pacific crossings*
- *Implement the Parks and Recreation Master Plan*
- ***Identify and plan trail improvement projects throughout the community***

Objective 3: Improve communication of programs & initiatives

- *Enhance the City's social media presence*
- ***Incorporate the results of the Community Survey into city and community planning***
- *Continue to hold the Police and Fire Citizens Academies and find a permanent funding source*
- *Develop a public campaign for stormwater management*
- *Develop communications around understanding of the City's finances*

Objective 4: Support the marketing of Marshalltown

- *Support Vision Marshalltown's communications plan, as well as other community wide marketing programs*
- *Create and promote positive City stories*

We will know our actions were effective through the reduction of blighted properties, City projects which enhance the aesthetics and appearance of the community and enhanced community pride.

Key indicators for measurement of this goal are the following:

⇒ **Blight Reduction**

- Demolition permits issued by property type/class
- # of properties removed through D&D and/or FEMA demolition programs
- % of D&D or FEMA demolition properties redeveloped or reused
- Assessed valuations before demolition and after redevelopment/reuse

⇒ **Quality of Life Projects**

- \$ invested in improvements/projects
- Ratio of City funds to other funds

⇒ **Enhanced Community Pride**

- % of people proud to call Marshalltown home
- Satisfaction rating for City services

GOAL 3: CONTINUALLY IMPROVE & SUSTAIN THE CITY'S ORGANIZATION AND SERVICES

Objective 1: Review policies, procedures, and ordinances for updates

- Rewrite the City's zoning ordinance
- Update the Emergency Operations Plan
- Review the role of the Human Rights Commission
- Recognize volunteer board & commission members
- Review mandatory/discretionary functions of the City
- Review noise and odor ordinances
- Review storm and sanitary sewer rates
- Review City Code sections for improvements
- Establish a Brownfield Program to track brownfield properties

Objective 2: Develop comprehensive plans for City infrastructure and improvements

- Continue to implement the Street Improvement Plan
- Continue eliminating gaps in existing sidewalks
- Incorporate the ADA Transition Plan recommendations into capital projects
- Construct an addition to the Marshalltown Public Library
- Complete the City Hall/Carnegie building updates

Objective 3: Recruit, retain, and train employees in order to maintain a successful workforce

- Review the non-bargaining wage scale
- Continue to provide employee training opportunities, including cross-training of positions
- **Include Employee Survey data in decision-making**
- Continue to focus on **health and safety** in the workplace

Objective 4: Review existing City functions and finances for efficiencies

- Review General Fund revenues and expenditures
- Implement a LEAN process improvement program
- Work with others to evaluate recreation programming
- Complete disaster recovery processes with FEMA, insurance
- Evaluate changes to the rental registration program

We will know our actions were effective by not having to amend to allow for the Council to take action on an item, modern infrastructure, a successful workforce, and fiscal stability.

Key indicators for measurement of this goal are the following:

⇒ **Proactive Policies and Procedures**

- # of Council actions to amend an ordinance, policy or procedure
- # of cases before Zoning Board of Adjustment
 - Satisfaction rating of City services

⇒ **Modern Infrastructure**

- Biennial pavement condition index rating
 - Facility condition rating
- # of miles of new streets and sidewalks
 - # of miles of resurfaced streets
- Utility rate comparison with other cities

⇒ **Successful Workforce**

- Employee satisfaction rating
- Employer Modification Factor for Workers' Comp

⇒ **Fiscal Stability**

- Bond Rating
- % fund balance in major funds
 - % of LOST used in GF
- \$ saved and time saved in LEAN process improvements

GOAL 4: PARTNER WITH CITIZENS, FOR-PROFIT, NON-PROFIT AND OTHER GROUPS TO IMPROVE QUALITY OF LIFE

Objective 1: Partner with the Arts & Culture Alliance/MPAC to promote public art in the community.

- *Develop a plan for public art to be part of City buildings and future improvements*
- *Continue to identify ways to incorporate art into parks and recreational spaces*
- *Continue an art focus in future plans*

Objective 2: Partner with Trails Inc. on trail-related initiatives

- *Work with Trails Inc. on the implementation of the Placemaking Plan*
- *Identify outside funding for trail-related projects and promote the fundraising of Trails Inc.*
- *Strengthen communication & connection with the Hardin County Trails Commission*

Objective 3: Work with other entities on partnerships which benefit the community

- *Continue to identify public nuisance properties which are tax certificates held by the County*
- *Support the Sister Cities Program*
- *Support Vision Marshalltown initiatives*
- *Support public safety related groups (Crimestoppers, Red Cross smoke detector installation, neighborhood watch)*
- *Partner with NGOs assisting in disaster recovery*
- *Work with others to create a community coalition to address mental health/substance abuse needs*
- *Support the Welcoming America initiative*
- ***Review the land/governance relationship with the Fisher Community Center***

Objective 4: Use legislative resources to affect positive change for the City

- *Work with the Iowa League of Cities to continue to promote funding of Backfill and local control*
- *Communicate regularly with local legislators regarding issues that are important to the City*

We will know our actions were effective by promoting arts and cultural activities, providing trails, and supporting quality of life initiatives within the community.

Key indicators for measurement of this goal are the following:

⇒ **Arts and Culture**

- \$ spent on public art in City buildings or parks
 - # of programs held at the Library

⇒ **Trails**

- Pavement rating of existing trails
- \$ investment in new and existing trails

⇒ **Quality of Life Initiatives**

- # of initiatives formally supported by Council
- \$ contributed to quality of life initiatives

GOAL 1: Expand and improve development in the community	Projected Completion	Assigned Resources
Objective 1: Support the Marshalltown Central Business District and development in Downtown		
Implement Downtown design standards	3/31/2021	H&CD
Administer Catalyst Building grant program	4/30/2023	Admin
Administer the shared wall grant program	4/30/2022	Admin
Prepare and apply for a CDBG Downtown Revitalization Grant	6/30/2021	H&CD
Complete the Downtown Implementation Plan and schedule improvements	6/30/2021	Admin, H&CD, PW
Send property maintenance notices to owners not in a grant program or demolition phase	6/30/2021	H&CD
Demolish properties acquired through 657A and evaluate for future use	12/31/2021	Admin, H&CD
Objective 2: Support and promote commercial and industrial development		
Construct the Edgewood/North 8th Avenue Extension	12/31/2021	PW/Engr
Plat the Edgewood industrial area and sell available lots	12/31/2022	Admin
Complete the selective rezoning of the Highway 14 Corridor	6/30/2021	H&CD
Apply for a BUILD grant for the Highway 14 Corridor Improvments	7/1/2021	Admin, H&CD, PW
Add additional land to Urban Revitalization Area #2 to enhance commercial growth	3/31/2021	Admin
Enhance information for developers on the City's website including fillable forms	3/31/2021	H&CD
Implement software changes to create efficiencies in staff review, developer experience	12/31/2021	H&CD
Objective 3: Look at innovative ways to further enhance housing quality and quantity		
Implement at least one new TIF residential district to support public infrastructure costs	12/31/2021	Admin
Create a program to support low-to-moderate income housing	12/31/2021	Admin, H&CD
Participate in the founding of the Marshalltown Community Development Corporation (CDC)	3/31/2021	Admin, H&CD
Evaluate current incentives for existing home renovations with a recommendation to Council	6/30/2021	H&CD
Provide funding to 10 homes under the Chamber's new home buyer incentive	12/31/2021	Admin, H&CD
Identify greenfield development locations and develop marketing info for locations	9/30/2021	Admin, H&CD, PW
Objective 4: Ensure appropriate infrastructure exists for all types of development		
Construct Phase 1 of East Merle Hibbs extension	12/31/2021	PW/Engr
Discuss alternatives connections to East Merle Hibbs extension	4/30/2021	PW/Engr, Admin
Identify City roles in findings of Chamber's Industrial Barriers Work Group and develop plans	3/31/2021	Admin, PW/Engr
Consider other infrastructure projects for development projects	Ongoing	PW/Engr, Admin, H&CD

GOAL 2: Enhance Marshalltown's public image		Projected Completion	Assigned Resources
Objective 1: Eliminate blight throughout the community			
Demolish 10 structures under the D&D program	12/31/2021	H&CD, Admin	
Complete 51 projects under the HUD Lead Abatement grant program	12/31/2021	H&CD	
Pursue FEMA funding for derecho-related demolitions	6/30/2021	H&CD, Admin	
Create and hold a training on citizen role in nuisance abatement	12/31/2021	H&CD	
Consider an ordinance for the registration of abandoned/vacant buildings	6/30/2021	H&CD, Admin	
Implement a Brownfield Program and partner with KSU-TAB to gather data	12/31/2021	H&CD	
Objective 2: Design and construct capital projects which enhance the aesthetics of the community			
Complete the Pickleball Pocket Park	8/30/2021	Admin, P&R, PW/Engr	
Complete the construction of the Airport Terminal/Hangar	12/31/2021	PW/Engr	
Complete the installation of one monument entry sign as part of the Wayfinding Plan	12/31/2021	Admin, PW/Engr	
Implement Riverview Park and Airport wayfinding signs	12/31/2021	Admin, P&R	
Install wayfinding directional signs	12/1/3121	PW/Engr	
Accept bids for railroad crossing safety improvements/quiet zone; continue with construction	6/30/2021	Admin, PW/Engr	
Complete the engineering study of the Center Street viaduct; continue with construction	12/31/2021	PW/Engr	
Complete the FEMA project for street repairs from the derecho	12/31/2022	PW/Engr	
Plan for and complete Elk Park Improvements	12/31/2021	Parks & Rec	
Aquire land for Phase 2 of West End Park Master Plan	12/31/2021	Parks & Rec	
Complete the Anson Park Shelter renovation project	9/30/2021	Parks & Rec	
Replace the parking lots at the MSA complex	6/30/2022	Parks & Rec, PW/Engr	
Renovate the parking lot at 1st and Church Street	7/31/2021	PW/Engr	
Objective 3: Improve communication of City programs and initiatives			
Provide the Citizens Police Academy	TBD	Police	
Provide the Citizens Fire Academy	TBD	Fire	
Update and hold Budgeting 101 info meetings	12/31/2021	Finance	
Identify other social media platforms for use and specify types of communciation	9/30/2021	Admin	
Develop and implement a public campaign for stormwater education	12/31/2021	PW/Engr	
Implement a Community Survey working group to analyze results, make recommendations	12/31/2021	Admin	
Objective 4: Support public relations and marketing of Marshalltown			
Place More Than Ever logo and tagline in Council Chambers	6/30/2021	Admin	
Review the promotions and marketing agreement with the Chamber	6/30/2021	Admin	
Utilize More Than Ever in City communications/promotions	Ongoing	Admin	

GOAL 3: Continually improve the City's organization & services	Projected Completion	Assigned Resources
Objective 1: Review policies, procedures, and ordinances for updates		
Place an item on the November 2021 ballot to renew LOST through 6/30/35	11/30/2021	Admin
Complete the rewriting of the City's Zoning Ordinance	12/31/2021	H&CD
Amend the Emergency Operations Plan to reflect lessons learned from the derecho	6/30/2021	All Departments
Collect data on odor levels in the community to determine if ordinance changes are needed	12/31/2021	PW/Engr
Consider the adoption of the International Property Maintenance Code	12/31/2021	H&CD
Review the Fire Code open burning as part of a discussion of odors in the community	12/31/2021	Fire
Review the role of and need for a Human Rights Commission	6/30/2021	Admin
Compile and review mandatory and discretionary functions of the City	12/31/2021	All Departments
Review the sanitary sewer rate study	3/31/2021	PW/Engr
Complete a stormwater rate study	12/31/2021	PW/Engr
Recognize volunteer board and commission members for years of service milestones	12/31/2021	Admin
Review the Council Manual	9/30/2021	Admin
Review City-issued licenses and permits for necessity	6/30/2021	Admin
Objective 2: Develop comprehensive plans for City infrastructure and improvements		
Present an Annual Street Improvement Program to the City Council	3/31/2021	PW/Engr
Complete the 12th Avenue sidewalk project	12/31/2021	PW/Engr
Complete the sidewalk gap projects near Fisher and Anson Elementary Schools	12/31/2021	PW/Engr
Fund and construct an addition to the Marshalltown Public Library	12/31/2025	Library, PW/Engr
Complete the 1st phase of trail replacement	12/31/2021	P&R, PW/Engr
Present an annual report of ADA compliance related work for the prior calendar year	3/31/2021	Admin, PW/Engr
Complete City Hall building updates	12/31/2022	PW/Engr, Admin
Objective 3: Recruit, retain, and train employees in order to maintain a successful workforce		
Continue annual training days on Veteran's Day and Presidents Day	11/31/21	HR
Issue an RFP for a consultant to review the non-bargaining wage scale	6/30/2021	HR
Continue monthly Safety Committee meetings	Ongoing	HR
Re-initiate the 30 minute mini-trainings for staff	Ongoing	HR
Discuss setting building business hours to be 8:30-4:30 to assist employee family flexibility	6/30/2021	Admin, HR
Create a work group of employees to make recommendations from the Employee Survey	12/31/2021	Admin/HR
Objective 4: Review existing functions and finances for efficiencies		
Present long term financial projections for the General Fund revenues and expenditures	3/31/2021	Finance
Convene a discussion on recreation programming in Marshalltown	12/31/2021	P&R
Complete the FEMA reimbursement process from the 2018 tornado	12/31/2021	Admin, Finance
Complete all insurance and FEMA-related reimbursements for 2020 derecho	12/31/2021	Admin, Finance
Review City fees and charges	6/30/2021	All Departments
Evaluate Rental Inspection Program operations and make recommendation for CY 2022	3/31/2021	H&CD
Complete a LEAN process for Library donations	12/31/2021	HR, Library

GOAL 4: Partner with citizens, for-profit, non-profit & others to improve quality of life

	Projected Completion	Assigned Resources
Objective 1: Partner with the Marshall County Arts and Culture Alliance/MPAC to promote public art in the community		
Discuss public art as part of the Airport Terminal project	9/30/2021	Admin, PW/Engr
Complete the sidewalk poetry project as part of the Pickleball Pocket Park	6/30/2021	Admin, P&R
Discuss public art as part of the 3rd Ave/Highway 14 resurfacing project	6/30/2022	Admin, PW/Engr
Discuss a process for a public art project in the City Council Chambers	6/30/2021	Admin
Discuss public art as part of the Library addition	6/30/2025	Library, Admin
Support the Alliance's mural program	Ongoing	Admin, H&CD
Consider the creation of a City Public Art Master Plan	9/30/2021	Admin
Consider a policy with a set-aside for public art in City projects	12/31/2021	Admin
Partner with the Alliance on an Iowa Great Places grant application	10/31/2021	H&CD, P&R, Admin, PW/Engr
Objective 2: Partner with Trails Inc. on trail-related initiatives		
Maintain sharrows through the community on designated routes	9/30/2021	PW/Engr
Assist Trails Inc. with plan development and grant applications	12/31/2021	P&R, PW/Engr, Admin
Complete a City Trails Master Plan to develop better accessibility, connectivity between trails	12/31/2021	P&R, PW/Engr, Admin
Complete the trail connection from the Freedom Rock to MSA	12/31/2021	Admin, P&R, PW/Engr
Promote the fundraising efforts of Trails Inc.	Ongoing	All Departments
Initiate planning/fundraising for a trailhead for the Iowa River's Edge Trail	9/30/2021	Admin, P&R, PW/Engr, H&CD
Objective 3: Work with other entities on partnerships which benefit the community		
Work with YSS on the MPACT program	12/31/2021	Police
Initiate a public nuisance tax sale with each annual tax sale	5/31/2021	Admin
Review a list of County-held tax certificates to determine if reuse opportunities exist	12/31/2021	Admin, H&CD
Discuss the future of the Fisher Community Center land situation/governance	6/30/2021	Admin
Partner with MCSD to exchange land at Anson Park for that near Bicentennial Park	3/31/2021	Admin, P&R
Create a community event trailer	6/30/2021	PW/Engr, Parks and Rec
Partner with Marshalltown Little League on site improvements	6/30/2021	Parks and Rec
Participate in the Welcoming America initiative through the YMCA	Ongoing	Admin, H&CD
Participate in a community discussions on mental health substance abuse issues	12/31/2021	Police
Objective 4: Use legislative resources to affect positive change for the City		
Attend League of Cities or other state or local association legislative events	Ongoing	All Departments
Regularly contact state and federal legislators with updates	Ongoing	All Departments

MARSHALLTOWN

— I O W A —

City Administrator's Office

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To: Mayor Greer and the City Council
From: Jessica Kinser, City Administrator
Date: January 7, 2021
RE: Draft CIP FY21-25

Attached with this memo you will find two documents which comprise the first draft of the City's Capital Improvement Plan. The first is a project listing by fund, showing where the money comes from and what it is proposed to be used for. Some projects have funding from multiple funds and will appear in multiple funds. The second report provides more project detail for each of the projects. This could not be generated by fund and only by department, but provides a better description of each project. The funding sources for each project are identified near the bottom of each page.

The following are items to note for each of the funds presented:

- Fund 030- We have not received valuations, so we are estimating that revenues will remain consistent with past years. Items to note include a software purchase to upgrade the code and building permit areas and improvements to Elks Park. We are maintaining the required 15% fund balance each year in the proposal.
- Fund 031- A number of these projects have been recalculated, but most notable is two generator projects proposed for FY22. No plans are proposed for upgrading the heating system in City Hall and separating from YSS.
- Fund 032- This fund is only for the accounting of the purchase of the new fire trucks, which were with the CIP tax levy and bond proceeds in FY21.
- Fund 110- The Road Use Tax fund captures many projects. Large projects to note are the repayment of the work to occur on Highway 14/South Center Street; \$400,000 for Railroad Crossing Safety Improvements in FY22 to correspond with bond funds on hand for the project, and the FEMA tornado street project which is now complete. Many annual funding items have been discontinued in future years as a request for annual bonding to support street projects is proposed in fund 353.
- Fund 121- This accounts for the LOST- Capital designated funds, which is no longer being funded due to the language change. Funds are allocated to the City's costs for the Edgewood Extension (see fund 311 for the state and federal portions).

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- Fund 132- Two projects are partially accounted for in this fund- the grant for the Coliseum generator and grant dollars to be received for the Pickleball Pocket Park. This fund does account for non-capital grants as well.
- Funds 151, 152 & 177- These fund accounts for Police revenues, of which some capital spending occurs. There are no planned purchases but this provides budgetary authority to make purchases.
- Fund 156- This fund is the Fire Donation Fund, which includes a recent donation that is covering the costs of multiple equipment upgrades.
- Fund 170- The Library Gift Fund includes donations anticipated for the Mobile Outreach vehicle as well as using funds on hand for a security upgrade project.
- Fund 311- This fund is accounting for the Edgewood Extension project. All federal and state grants will flow through this fund.
- Fund 312- This is the Airport capital fund and is showing the activity for the terminal and hangar project.
- Fund 353- This fund is a “holding” fund for future projects for which general obligation bonds are the proposed funding source and the debt service levy is the proposed repayment source. This is by no means a proposal, as there are two large projects (Center Street Viaduct, Downtown Implementation Plan) which we want the Council to be aware of before making any decisions regarding borrowing.
- Fund 355- The Dangerous and Dilapidated Building Fund reflects the revenue transferred from the General Fund and the likely amount to be expended in this fiscal year on demolition based on the number of properties currently owned by the City for the purpose of demolition. The transfer in of bond funds in 2020 is helping to sustain the fund for a few more years.
- Fund 360- This fund accounts for the bond proceeds and projects from the 2019 GO Bond. Most of the projects are already underway and completed or will be completed in FY21. Once all projects are completed, the Council would then discuss any remaining bond proceeds. The Council reallocated \$1.1 million from these bond proceeds in the current fiscal year.
- Fund 362- This fund accounts for the 2020 GO Bond and projects. The projects are expected to occur over the current fiscal year and the next fiscal year. All projects will be completed before any discussion of additional bond proceeds would be proposed.
- Fund 381- This is the fund that contains the bond proceeds from the 2018 borrowing and includes the 12th Avenue sidewalk, renovation of the parking lot at 1st and Church Streets, engineering for East Merle Hibbs, and a portion of the FEMA street project. Following the completion of both the sidewalk and parking lot projects, the Council will likely have some bond funds to reallocate.

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- Fund 383- The Coliseum renovation is nearly complete. We have additional revenue in the current fiscal year, and while the expense is set to zero out, we do believe that we have likely taken care of any cost overruns on this project.
- Fund 612- This fund has all projects related to the Wastewater Treatment Plant. The largest project to note is an \$8 million replacement of the headworks, which is proposed to be part of a debt issuance.
- Fund 616- This fund includes the very large sanitary sewer projects, including the manhole/lamphole project to occur in 2019 and 2020. The next large project is scheduled for FY23, with a bond issuance of \$3.5 million.
- Fund 690- The Transit Fund captures capital purchase that support Marshalltown Municipal Transit, with the only planned expenses in FY25.
- Fund 740/741-The Stormwater Fund includes equipment, vehicles, repairs, and maintenance for the stormwater collection system and lift stations. The 4th Street/Meadow Lane project is set to come out of this fund.

Also included with this packet is a draft of bonding needs for the projects included. Without valuations, we are unable to provide a look at debt capacity but will hopefully be able to do so at the January 25th meeting. However, there are some big unknowns for the Council to consider in terms of projects in development. We won't know what options exist for the South Center Street viaduct project until April, and the first phase of the Downtown Implementation Plan won't have a cost estimate until June. These are priority projects which the Council should consider before making any decisions on bonding in FY22.

City Council

Michael Gowdy, Al Hoop, Gabriel Isom,
Bill Martin, Raymond Starks, Gary Thompson, Bethany Wirin



CIP FY21-25
Projected Debt Capacity and Borrowing Needs

	1.7.21- Valuations Not Received	<u>FY2022</u>	<u>FY2023</u>	<u>FY2024</u>	<u>FY20205</u>
	Remaining Debt Capacity				
		(500,000)			
353	Library Addition				500,000
353	Softball Complex Parking Lot	525,000			
353	Kiwanis Park Improvements		235,000		
353	Splash Pad			500,000	
353	Riverview Park Improvements	500,000			
353	West End Park Phase 2		600,000		
353	6th St Trail Connection	600,000			
353	River's Edge Trailhead		475,000		
353	South Center Street Viaduct		1,000,000		
353	Street Improvement	3,000,000	3,000,000	3,000,000	3,000,000
353	Highway 14 Corridor Improvements		3,900,000		
353	Downtown Implementation Plan	1,000,000	1,000,000	1,000,000	1,000,000
353	Sidewalk Gap Projects		750,000	400,000	550,000
	TOTAL	5,625,000	10,960,000	4,900,000	5,050,000
		(6,125,000)	(10,960,000)	(4,900,000)	(5,050,000)
616	Cured In Place Sewer Project		3,500,000		1,000,000
612	Headworks Replacement		8,000,000		

City of Marshalltown, Iowa
City Capital Plan Equipment Replacment
 FY '21 thru FY '25

SOURCES AND USES OF FUNDS

Source		FY '21	FY '22	FY '23	FY '24	FY '25
030 - CIP FUND						
Beginning Balance		277,716	194,188	99,796	161,953	245,941
<u>Revenues and Other Fund Sources</u>						
<i>USE OF MONEY & PROPERTY</i>						
4610.000 INTEREST EARNED		3,000	2,000	1,000	1,000	1,000
<i>Total</i>		3,000	2,000	1,000	1,000	1,000
<i>PROPERTY TAXES</i>						
4085.000 PROPERTY TAXES- CIP LEVY		503,619	615,000	630,000	630,000	630,000
<i>Total</i>		503,619	615,000	630,000	630,000	630,000
<i>PROPERTY TAX BACKFILL</i>						
4339.000 SF295 BACKFILL		16,606	16,500	16,000	15,500	15,000
<i>Total</i>		16,606	16,500	16,000	15,500	15,000
Total Revenues and Other Fund Sources		523,225	633,500	647,000	646,500	646,000
Total Funds Available		800,941	827,688	746,796	808,453	891,941
<u>Expenditures and Uses</u>						
<i>Capital Projects & Equipment</i>						
<u>CITY ADMINISTRATION</u>						
Banners for Viaducts	Pride20	(8,952)	0	0	0	0
Wayfinding Signage/Entryway Signage	Signs001	(25,000)	0	(25,000)	0	(50,000)
Special Event Trailer/Equipment	SpEv1	(30,000)	0	0	0	0
<i>Total</i>		(63,952)	0	(25,000)	0	(50,000)
<u>CITY CLERK</u>						
Copier	E8402010001	0	0	(5,500)	0	0
<i>Total</i>		0	0	(5,500)	0	0
<u>FIRE</u>						
Fire Hose	E0041fir	0	(16,000)	0	0	0
Alumacraft 16' Boat Replacement	E0045fir	0	0	0	(8,000)	0
Dexter T-600 40 lb Washer	E0049fir	0	0	0	(8,000)	0
Copier/Printer	E0050.1fir	0	(6,500)	0	0	0
Exercise Equipment	V0064fir	0	(6,000)	0	0	(6,000)
2010 Chevy Tahoe	V0068fir	(25,845)	0	0	0	0
<i>Total</i>		(25,845)	(28,500)	0	(16,000)	(6,000)
<u>HOUSING</u>						
COPIER: Replace Lanier	E2018	0	0	(5,000)	0	0

030 - CIP FUND

		<i>Total</i>	0	0	(5,000)	0	0
<u>INFORMATION SYSTEMS</u>							
Body Camera Servers - MPD	BdyCmraServ		0	(15,000)	0	0	0
Staff Computers	E1000		(18,000)	(18,000)	(18,000)	(24,000)	(24,000)
Servers	E3010		(12,000)	(12,000)	(12,000)	(12,000)	(12,000)
Update Mic Office	E3282		(10,700)	0	0	0	0
EnerGov Updates	EnerGov		(56,400)	0	0	0	0
Tyler Servers	Servers		0	(18,000)	(16,000)	0	0
SERVERS-PD (Evidence)	SERVERS-PD		0	(10,000)	0	(10,000)	0
VEHICLE IT EQUIPMENT - MPD	VEH IT		0	(5,000)	0	(5,000)	0
		<i>Total</i>	(97,100)	(78,000)	(46,000)	(51,000)	(36,000)
<u>LIBRARY</u>							
Upgraded Automation System	11		(17,856)	(18,392)	(18,943)	(19,512)	(20,097)
Security Upgrade to RFID	LIB2122		(25,000)	(50,000)	0	0	0
Mobile Services Outreach Unit	LIBVEH		0	(115,000)	0	0	0
		<i>Total</i>	(42,856)	(183,392)	(18,943)	(19,512)	(20,097)
<u>PARK & RECREATION</u>							
Aquatic Center Improvements	20PR009		(20,000)	(20,000)	(20,000)	(20,000)	(20,000)
Sidewalk and Trail Maintenance	20PR002		(50,000)	(50,000)	(50,000)	(50,000)	(50,000)
Replace 1998 Mule	20PR006		0	(20,000)	0	0	0
Pickleball Pocket Park	21ColAlley		(105,000)	0	0	0	0
Elks Park Improvements	21PR003		0	(110,000)	0	0	0
Replace 2001 Truck	21PR006		(30,000)	0	0	0	0
Replace Mower and Snow Equipment	21PR728		(12,500)	0	0	0	0
Replace Mower 823	22PR002		0	0	(22,000)	0	0
Replace Tool Cat 732	22PR003		0	(50,000)	0	0	0
Replace Tractor Mower 713	22PR004		0	(22,000)	0	0	0
Wood Fiber and Plastic Timbers	22PR005		0	(10,000)	0	0	0
Replace Truck 811 and Snow Blade	23PR007		0	0	(40,000)	0	0
Replace Mower 712	23PR008		0	0	(25,000)	0	0
Peterson Park Improvements	23PR010		0	0	(120,000)	0	0
Parks Wayfinding Signs	24PR001		0	0	0	(50,000)	0
Replace Truck 813 - 1 Ton Truck w/box	24PR003		0	0	0	(40,000)	0
Replace Mower 714 w/Snow Equipment	24PR004		0	0	0	(25,000)	0
Timber Creek Park equipment	24PR005		0	0	0	(70,000)	0
BPW Park Improvements	25PR001		0	0	0	0	(150,000)
Lawrence Park Improvements	25PR002		0	0	0	0	(50,000)
Timbercreek Fishing Dock	L2966		0	0	(15,000)	0	0
Goldfinch fishing dock	L2973		0	0	(15,000)	0	0
Glenwood fishing dock	L3051		0	0	(15,000)	0	0
1999 New Holland TS100 709	TR709		0	0	0	(50,000)	0
		<i>Total</i>	(217,500)	(282,000)	(322,000)	(305,000)	(270,000)

POLICE

Source		FY '21	FY '22	FY '23	FY '24	FY '25
030 - CIP FUND						
BODY CAMERAS	BODY CAMERA	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)
COPIER REPLACEMENT	COPIERS	0	0	0	0	(34,000)
TACTICAL EQUIPMENT	TACT EQUIP	0	(5,000)	0	(5,000)	0
TASERS	TASERS	(6,000)	(6,000)	(6,000)	(6,000)	(6,000)
TRAINING EQUIPMENT	TRN EQUIP	0	(5,000)	0	(5,000)	0
VEHICLE REPLACEMENT	VEH RPLCMT	(125,000)	(110,000)	(130,000)	(130,000)	(135,000)
BODY ARMOR REPLACEMENT	VESTS	(13,500)	(15,000)	(11,400)	(10,000)	(16,000)
<i>Total</i>		(159,500)	(156,000)	(162,400)	(171,000)	(206,000)
Total Expenditures and Uses		(606,753)	(727,892)	(584,843)	(562,512)	(588,097)
Change in Fund Balance		(83,528)	(94,392)	62,157	83,988	57,903
Ending Balance		194,188	99,796	161,953	245,941	303,844

Source		FY '21	FY '22	FY '23	FY '24	FY '25
031 - BUILDING MAINTENANCE						
Beginning Balance		274,155	308,400	131,150	132,150	128,150
<u>Revenues and Other Fund Sources</u>						
<i>USE OF MONEY & PROPERTY</i>						
4085.000 INTEREST EARNED		3,000	1,500	1,000	1,000	500
FA SALE PROCEEDS		80,000	0	0	0	0
	<i>Total</i>	83,000	1,500	1,000	1,000	500
Total Revenues and Other Fund Sources		83,000	1,500	1,000	1,000	500
Total Funds Available		357,155	309,900	132,150	133,150	128,650
<u>Expenditures and Uses</u>						
<i>Capital Projects & Equipment</i>						
<u>CARNEGIE & COLISEUM BUILDINGS</u>						
Recarpet Front Entrance	3981	0	0	0	(5,000)	0
36 N Center Steps, Sidewalk & State St Landscaping	3990	0	(15,000)	0	0	0
Carnegie/City Hall Security Updates	4010	0	(25,000)	0	0	0
Coliseum Generator	COLGenerator	0	(33,750)	0	0	0
	<i>Total</i>	0	(73,750)	0	(5,000)	0
<u>CITY HALL</u>						
Replace Windows	CH0009	0	0	0	0	(10,000)
Replace East Entrance Door and Steps	CH0016	0	(25,000)	0	0	0
City Hall Building System Improvements	CH0023	0	0	0	0	(86,300)
Remodel City Hall 1st Floor for Finance move	FY18 Finance	(48,755)	0	0	0	0
	<i>Total</i>	(48,755)	(25,000)	0	0	(96,300)
<u>LIBRARY</u>						
Library Emergency Generator Project	LIB2022	0	(80,000)	0	0	0
	<i>Total</i>	0	(80,000)	0	0	0
Total Expenditures and Uses		(48,755)	(178,750)	0	(5,000)	(96,300)
Change in Fund Balance		34,245	(177,250)	1,000	(4,000)	(95,800)
Ending Balance		308,400	131,150	132,150	128,150	32,350

Source	FY '21	FY '22	FY '23	FY '24	FY '25
032 - CIP LARGE VEHICLE/EQUIPMENT					
Beginning Balance	318,000	(108,114)	0	0	0
<u>Revenues and Other Fund Sources</u>					
<i>Revenue</i>					
4085.000 PROPERTY TAXES	107,000	0	0	0	0
Bond Proceeds	1,100,000	0	0	0	0
Trade-In Value/Discounts	0	108,114	0	0	0
<i>Total</i>	1,207,000	108,114	0	0	0
Total Revenues and Other Fund Sources	1,207,000	108,114	0	0	0
Total Funds Available	1,525,000	0	0	0	0
<u>Expenditures and Uses</u>					
<i>Capital Projects & Equipment</i>					
<u>FIRE</u>					
Pierce Rescue Pumper #9 Replacement	V0060fir	(637,988)	0	0	0
110' Aerial Fire Truck	V0062fir	(995,126)	0	0	0
<i>Total</i>		(1,633,114)	0	0	0
Total Expenditures and Uses		(1,633,114)	0	0	0
Change in Fund Balance	(426,114)	108,114	0	0	0
Ending Balance	(108,114)	0	0	0	0

Source		FY '21	FY '22	FY '23	FY '24	FY '25
110 - ROAD USE TAX \$						
Beginning Balance		0	0	0	0	0
<u>Revenues and Other Fund Sources</u>						
ROAD USE TAX						
4320.040 ROAD USE TAXES		2,516,051	2,455,650	1,366,500	1,328,500	1,000,000
	<i>Total</i>	2,516,051	2,455,650	1,366,500	1,328,500	1,000,000
Total Revenues and Other Fund Sources		2,516,051	2,455,650	1,366,500	1,328,500	1,000,000
Total Funds Available		2,516,051	2,455,650	1,366,500	1,328,500	1,000,000
<u>Expenditures and Uses</u>						
Capital Projects & Equipment						
<u>ENGINEERING</u>						
Field Laptops	3504	0	(9,000)	0	0	0
Scanner & Plotter	E2181	0	0	0	(10,000)	0
Railroad Crossing Safety Improvements	RR2018	0	(400,000)	0	0	0
Replacement Data Collector for Total Station	SE0001	0	0	0	0	(8,000)
Trimble Multitrack Target	SE002	0	0	0	0	(3,000)
New GPS Unit	SE003	0	(35,000)	0	0	0
New Total Station	SE0047	0	0	(33,000)	0	0
	<i>Total</i>	0	(444,000)	(33,000)	(10,000)	(11,000)
<u>PARK & RECREATION</u>						
Pickleball Pocket Park	21ColAlley	(28,770)	0	0	0	0
Replace Mower and Snow Equipment	21PR728	(12,500)	0	0	0	0
Replace Tractor Mower 713	22PR004	0	(14,000)	0	0	0
Replace Mower 714 w/Snow Equipment	24PR004	0	0	0	(15,000)	0
	<i>Total</i>	(41,270)	(14,000)	0	(15,000)	0
<u>PUBLIC WORKS</u>						
Median Improvements- Hwy 14 Olive to La Frenz	2019DOTHWY14	0	(240,650)	(383,500)	(383,500)	0
South Center St. Viaduct	BR035410	(150,000)	(300,000)	0	0	0
Mill and Overlay of Streets with Tornado Impact	FEMA1	(778,757)	0	0	0	0
Annual Street Resurfacing	M3170	(350,000)	(350,000)	0	0	0
City-wide Bridge Repair	M3453	(45,000)	(90,000)	(45,000)	(45,000)	(45,000)
Concrete Repairs	M3458	(173,126)	(200,000)	0	0	0
Annual ADA Curb Ramp Construction	M3655	(75,000)	(75,000)	(50,000)	(50,000)	(50,000)
Downtown Street Light Replacement	MCBDSlt	(441,048)	0	0	0	0
	<i>Total</i>	(2,012,931)	(1,255,650)	(478,500)	(478,500)	(95,000)
<u>STREET</u>						
Dump Truck	E3510	(300,000)	(310,000)	(320,000)	(330,000)	(330,000)
Street Sweeper	E3520	0	0	0	(220,000)	0
Track Skidloader with Clam Bucket	E3540	(77,850)	0	0	0	0
Self Propelled Paint Striper	E3550	0	0	(100,000)	0	0
Snow Blower	E3900	0	0	(205,000)	0	0
Slide in oil distributor	E3940	0	(40,000)	0	0	0

Source		FY '21	FY '22	FY '23	FY '24	FY '25
110 - ROAD USE TAX \$						
Skid steer trailer	T001	0	(10,000)	0	0	0
END LOADER	V2323	0	0	(230,000)	0	0
3/4 Ton Pickup	V3500	(35,000)	(35,000)	0	0	0
1 Ton Truck with Dump Body	V3502	0	(40,000)	0	0	0
Motor Grader	V3503	0	(300,000)	0	(275,000)	0
	<i>Total</i>	(412,850)	(735,000)	(855,000)	(825,000)	(330,000)
<u>UTILITY</u>						
Arc Flash Suit	E3701	0	0	0	0	(5,000)
LED Traffic Light Replacement	E3704	(10,000)	0	0	0	0
Traffic Signal Battery Back Ups	E3708	(7,000)	(7,000)	0	0	0
PICKUP	V2203	(32,000)	0	0	0	0
	<i>Total</i>	(49,000)	(7,000)	0	0	(5,000)
Total Expenditures and Uses		(2,516,051)	(2,455,650)	(1,366,500)	(1,328,500)	(441,000)
Change in Fund Balance		0	0	0	0	559,000
Ending Balance		0	0	0	0	559,000

Source		FY '21	FY '22	FY '23	FY '24	FY '25
121 - LOCAL OPTION SALES TAX						
Beginning Balance		2,059,290	1,059,290	483,340	483,340	483,340
<u>Expenditures and Uses</u>						
<i>Capital Projects & Equipment</i>						
<u>PUBLIC WORKS</u>						
Capital Projects Designation LOST	89099012A	0	0	0	0	0
Edgewood Extension	CY20EdgExt	(1,000,000)	(575,950)	0	0	0
	<i>Total</i>	(1,000,000)	(575,950)	0	0	0
Total Expenditures and Uses		(1,000,000)	(575,950)	0	0	0
Change in Fund Balance		(1,000,000)	(575,950)	0	0	0
Ending Balance		1,059,290	483,340	483,340	483,340	483,340

Source	FY '21	FY '22	FY '23	FY '24	FY '25
132 - MISC CAPITAL GRANTS					
Beginning Balance	0	0	0	0	0
<u>Revenues and Other Fund Sources</u>					
<i>Revenue</i>					
4820 - DONATIONS & GRANTS	28,000	0	0	0	0
Hazard Mitigation Grant	0	101,250	0	0	0
<i>Total</i>	28,000	101,250	0	0	0
Total Revenues and Other Fund Sources	28,000	101,250	0	0	0
Total Funds Available	28,000	101,250	0	0	0
<u>Expenditures and Uses</u>					
<i>Capital Projects & Equipment</i>					
<u>CARNEGIE & COLISEUM BUILDINGS</u>					
Coliseum Generator	COLGenerator	0	(101,250)	0	0
<i>Total</i>		0	(101,250)	0	0
<u>PARK & RECREATION</u>					
Pickleball Pocket Park	21ColAlley	(28,000)	0	0	0
<i>Total</i>		(28,000)	0	0	0
Total Expenditures and Uses		(28,000)	(101,250)	0	0
Change in Fund Balance	0	0	0	0	0
Ending Balance	0	0	0	0	0

Source		FY '21	FY '22	FY '23	FY '24	FY '25
151 - POLICE GRANTS						
Beginning Balance		0	0	0	0	0
<u>Revenues and Other Fund Sources</u>						
<i>GRANT</i>						
4310.110 FEDERAL OPER GRNT-PD		10,000	10,000	10,000	10,000	10,000
	<i>Total</i>	10,000	10,000	10,000	10,000	10,000
Total Revenues and Other Fund Sources		10,000	10,000	10,000	10,000	10,000
Total Funds Available		10,000	10,000	10,000	10,000	10,000
<u>Expenditures and Uses</u>						
<i>Capital Projects & Equipment</i>						
<i>POLICE</i>						
JAG GRANT	JAG	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)
	<i>Total</i>	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)
Total Expenditures and Uses		(10,000)	(10,000)	(10,000)	(10,000)	(10,000)
Change in Fund Balance		0	0	0	0	0
Ending Balance		0	0	0	0	0

Source		FY '21	FY '22	FY '23	FY '24	FY '25
152 - OTHER POLICE GRANTS						
Beginning Balance			0	0	0	0
<u>Revenues and Other Fund Sources</u>						
<i>GRANT</i>						
4310.110 FEDERAL OPERATING GRNT		4,500	8,000	8,000	8,000	8,000
	<i>Total</i>	4,500	8,000	8,000	8,000	8,000
Total Revenues and Other Fund Sources		4,500	8,000	8,000	8,000	8,000
Total Funds Available		4,500	8,000	8,000	8,000	8,000
<u>Expenditures and Uses</u>						
<i>Capital Projects & Equipment</i>						
<i>POLICE</i>						
GTSB GRANT	GTSB	(4,500)	(8,000)	(8,000)	(8,000)	(8,000)
	<i>Total</i>	(4,500)	(8,000)	(8,000)	(8,000)	(8,000)
Total Expenditures and Uses		(4,500)	(8,000)	(8,000)	(8,000)	(8,000)
Change in Fund Balance		0	0	0	0	0
Ending Balance		0	0	0	0	0

Source		FY '21	FY '22	FY '23	FY '24	FY '25
156 - FIRE DEPT DONATIONS						
Beginning Balance		6,523	156,523	143,123	91,623	91,623
<u>Revenues and Other Fund Sources</u>						
Revenue						
Donation		150,000	0	0	0	0
	<i>Total</i>	150,000	0	0	0	0
Total Revenues and Other Fund Sources		150,000	0	0	0	0
Total Funds Available		156,523	156,523	143,123	91,623	91,623
<u>Expenditures and Uses</u>						
Capital Projects & Equipment						
<u>FIRE</u>						
Thermal Imaging Camera	E0042fir	0	(6,400)	0	0	0
Burn Trailer Maintenance	E0053fir	0	(7,000)	0	0	0
Portable Radio Microphones	E0072fir	0	0	(9,500)	0	0
2013 Chevy Tahoe	V0047fir	0	0	(42,000)	0	0
	<i>Total</i>	0	(13,400)	(51,500)	0	0
Total Expenditures and Uses		0	(13,400)	(51,500)	0	0
Change in Fund Balance		150,000	(13,400)	(51,500)	0	0
Ending Balance		156,523	143,123	91,623	91,623	91,623

Source		FY '21	FY '22	FY '23	FY '24	FY '25
170 - LIBRARY GIFT FUND						
Beginning Balance		25,000	0	0	0	0
<u>Revenues and Other Fund Sources</u>						
<i>MISC REVENUES</i>						
4820.310 DONATIONS-LIBRARY		0	60,000	0	0	0
	<i>Total</i>	0	60,000	0	0	0
Total Revenues and Other Fund Sources		0	60,000	0	0	0
Total Funds Available		25,000	60,000	0	0	0
<u>Expenditures and Uses</u>						
<i>Capital Projects & Equipment</i>						
<u>LIBRARY</u>						
Security Upgrade to RFID	LIB2122	(25,000)	0	0	0	0
Mobile Services Outreach Unit	LIBVEH	0	(60,000)	0	0	0
	<i>Total</i>	(25,000)	(60,000)	0	0	0
Total Expenditures and Uses		(25,000)	(60,000)	0	0	0
Change in Fund Balance		(25,000)	0	0	0	0
Ending Balance		0	0	0	0	0

Source		FY '21	FY '22	FY '23	FY '24	FY '25
177 - SEIZED ASSETS						
Beginning Balance		36,871	36,871	36,871	36,871	36,871
<u>Revenues and Other Fund Sources</u>						
<i>MISC REVENUES</i>						
4862.000 SEIZED ASSETS		3,000	3,000	3,000	3,000	3,000
	<i>Total</i>	3,000	3,000	3,000	3,000	3,000
Total Revenues and Other Fund Sources		3,000	3,000	3,000	3,000	3,000
Total Funds Available		39,871	39,871	39,871	39,871	39,871
<u>Expenditures and Uses</u>						
<i>Capital Projects & Equipment</i>						
<u>POLICE</u>						
MISC SEIZED ASSET ALLOCATION	SEIZD ASSET	(3,000)	(3,000)	(3,000)	(3,000)	(3,000)
	<i>Total</i>	(3,000)	(3,000)	(3,000)	(3,000)	(3,000)
Total Expenditures and Uses		(3,000)	(3,000)	(3,000)	(3,000)	(3,000)
Change in Fund Balance		0	0	0	0	0
Ending Balance		36,871	36,871	36,871	36,871	36,871

Source	FY '21	FY '22	FY '23	FY '24	FY '25
311 - RISE STREET GRANTS					
Beginning Balance	0	0	0	0	0
<u>Revenues and Other Fund Sources</u>					
<i>Revenue</i>					
EDA Grant	0	2,956,849	0	0	0
RISE Grant	0	1,640,342	0	0	0
<i>Total</i>	0	4,597,191	0	0	0
Total Revenues and Other Fund Sources	0	4,597,191	0	0	0
Total Funds Available	0	4,597,191	0	0	0
<u>Expenditures and Uses</u>					
<i>Capital Projects & Equipment</i>					
<u>PUBLIC WORKS</u>					
Edgewood Extension					
CY20EdgExt	0	(4,597,191)	0	0	0
<i>Total</i>	0	(4,597,191)	0	0	0
Total Expenditures and Uses	0	(4,597,191)	0	0	0
Change in Fund Balance	0	0	0	0	0
Ending Balance	0	0	0	0	0

Source		FY '21	FY '22	FY '23	FY '24	FY '25
312 - AIRPORT PROJECTS						
Beginning Balance		(240,764)	1,153,653	159,593	56,112	56,112
<u>Revenues and Other Fund Sources</u>						
<i>Revenue</i>						
No Funds		0	0	0	0	0
4310.000 STATE GRANT		0	590,000	0	0	0
4315.770 FEDERAL CAP GRANT-AIRPRT		0	1,113,120	0	0	0
Bond Proceeds		2,000,000	0	0	0	0
	<i>Total</i>	2,000,000	1,703,120	0	0	0
Total Revenues and Other Fund Sources		2,000,000	1,703,120	0	0	0
Total Funds Available		1,759,236	2,856,773	159,593	56,112	56,112
<u>Expenditures and Uses</u>						
<i>Capital Projects & Equipment</i>						
<u>AIRPORT</u>						
120' x 100' Hangar & Terminal & Vault	B3011	(605,583)	(2,697,180)	(103,481)	0	0
	<i>Total</i>	(605,583)	(2,697,180)	(103,481)	0	0
Total Expenditures and Uses		(605,583)	(2,697,180)	(103,481)	0	0
Change in Fund Balance		1,394,417	(994,060)	(103,481)	0	0
Ending Balance		1,153,653	159,593	56,112	56,112	56,112

Source			FY '21	FY '22	FY '23	FY '24	FY '25
353 - CAPITAL PROJECTS							
Beginning Balance			0	0	0	0	0
<u>Revenues and Other Fund Sources</u>							
<i>Revenue</i>							
DONATIONS/CONTRIBUTIONS- LIBRARY			0	0	0	0	1,175,000
GRANTS- HWY 14			0	0	3,000,000	0	0
GRANTS/DONATIONS- TRAILHEAD			0	0	500,000	0	0
Reimbursement- Highway 14			0	0	1,000,000	0	0
<i>Total</i>			0	0	4,500,000	0	1,175,000
<i>Other Fund Sources</i>							
BOND PROCEEDS			0	5,625,000	10,960,000	4,900,000	5,050,000
<i>Total</i>			0	5,625,000	10,960,000	4,900,000	5,050,000
Total Revenues and Other Fund Sources			0	5,625,000	15,460,000	4,900,000	6,225,000
Total Funds Available			0	5,625,000	15,460,000	4,900,000	6,225,000
<u>Expenditures and Uses</u>							
<i>Capital Projects & Equipment</i>							
<u>LIBRARY</u>							
Library Addition	UR4002		0	0	0	0	(1,675,000)
<i>Total</i>			0	0	0	0	(1,675,000)
<u>PARK & RECREATION</u>							
Parking Lot Replacement - 6th St Complex	21PR002		0	(525,000)	0	0	0
Kiwanis Park Improvements	22PR006		0	0	(235,000)	0	0
Splash Pad	23PR004		0	0	0	(500,000)	0
Riverview Park Improvements	23PR009		0	(500,000)	0	0	0
West End Park Improvements Phase II	23PR011		0	0	(600,000)	0	0
Trail Connection- Freedom Rock to Skate Park	TRL1		0	(600,000)	0	0	0
River's Edge Trailhead	TRL2023		0	0	(975,000)	0	0
<i>Total</i>			0	(1,625,000)	(1,810,000)	(500,000)	0
<u>PUBLIC WORKS</u>							
South Center St. Viaduct	BR035410		0	0	(1,000,000)	0	0
STREET IMPROVEMENT PROGRAM	CY22STREET		0	(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)
Highway 14 Corridor Improvements	Hwy14		0	0	(7,900,000)	0	0
Downtown Implementation Plan	MCBD		0	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)
Sidewalk Gap Projects	SdwlkGAP		0	0	(750,000)	(400,000)	(550,000)
<i>Total</i>			0	(4,000,000)	(13,650,000)	(4,400,000)	(4,550,000)
Total Expenditures and Uses			0	(5,625,000)	(15,460,000)	(4,900,000)	(6,225,000)
Change in Fund Balance			0	0	0	0	0
Ending Balance			0	0	0	0	0

Source		FY '21	FY '22	FY '23	FY '24	FY '25
355 - D&D Program						
Beginning Balance		300,466	398,466	300,466	201,966	103,466
<u>Revenues and Other Fund Sources</u>						
<i>Revenue</i>						
Bond Proceeds		250,000	0	0	0	0
	<i>Total</i>	250,000	0	0	0	0
<i>Other Fund Sources</i>						
4610.000 INTEREST EARNED		3,000	2,000	1,500	1,500	1,500
Transfer In from GF		20,000	20,000	20,000	20,000	20,000
	<i>Total</i>	23,000	22,000	21,500	21,500	21,500
Total Revenues and Other Fund Sources		273,000	22,000	21,500	21,500	21,500
Total Funds Available		573,466	420,466	321,966	223,466	124,966
<u>Expenditures and Uses</u>						
<i>Capital Projects & Equipment</i>						
<u>PUBLIC WORKS</u>						
Dilapidated Building Removal	D&D001	(175,000)	(120,000)	(120,000)	(120,000)	(100,000)
	<i>Total</i>	(175,000)	(120,000)	(120,000)	(120,000)	(100,000)
Total Expenditures and Uses		(175,000)	(120,000)	(120,000)	(120,000)	(100,000)
Change in Fund Balance		98,000	(98,000)	(98,500)	(98,500)	(78,500)
Ending Balance		398,466	300,466	201,966	103,466	24,966

Source		FY '21	FY '22	FY '23	FY '24	FY '25
360 - 2019 GO BONDS						
Beginning Balance		4,827,725	488,447	113,447	113,447	113,447
<u>Revenues and Other Fund Sources</u>						
<i>Revenue</i>						
Donations- West End Park		50,000	0	0	0	0
<i>Total</i>		50,000	0	0	0	0
No Funds		0	0	0	0	0
<i>Total</i>		0	0	0	0	0
Total Revenues and Other Fund Sources		50,000	0	0	0	0
Total Funds Available		4,877,725	488,447	113,447	113,447	113,447
<u>Expenditures and Uses</u>						
<i>Capital Projects & Equipment</i>						
<u>PARK & RECREATION</u>						
Timber Creek Bridge Replacement	19PR009	(390,000)	0	0	0	0
Anson Park Shelter Improvements	20PR005	(270,000)	0	0	0	0
West End Park Improvements	20PR007	(598,267)	0	0	0	0
Trail Replacement Project	21PR001	(250,000)	0	0	0	0
<i>Total</i>		(1,508,267)	0	0	0	0
<u>PUBLIC WORKS</u>						
East Merle Hibbs- Phase 1 Extension	EMHPh1	(2,581,011)	0	0	0	0
Annual Street Resurfacing	M3170	(300,000)	0	0	0	0
Sidewalk Gap Projects	SdwlkGAP	0	(375,000)	0	0	0
<i>Total</i>		(2,881,011)	(375,000)	0	0	0
Total Expenditures and Uses		(4,389,278)	(375,000)	0	0	0
Change in Fund Balance		(4,339,278)	(375,000)	0	0	0
Ending Balance		488,447	113,447	113,447	113,447	113,447

Source			FY '21	FY '22	FY '23	FY '24	FY '25
362 - 2020A GO Bond Projects							
Beginning Balance			0	600,000	0	0	0
<u>Revenues and Other Fund Sources</u>							
<i>Revenue</i>							
2020A Bond Proceeds			2,009,000	0	0	0	0
	<i>Total</i>		2,009,000	0	0	0	0
Total Revenues and Other Fund Sources			2,009,000	0	0	0	0
Total Funds Available			2,009,000	600,000	0	0	0
<u>Expenditures and Uses</u>							
<i>Capital Projects & Equipment</i>							
<u>ENGINEERING</u>							
Railroad Crossing Safety Improvements	RR2018		0	(600,000)	0	0	0
	<i>Total</i>		0	(600,000)	0	0	0
<u>PARK & RECREATION</u>							
Trail Replacement Project	21PR001		(250,000)	0	0	0	0
Parking Lot Replacement - 6th St Complex	21PR002		(375,000)	0	0	0	0
Tennis Court Reconstruction	MHSTen20		(684,000)	0	0	0	0
	<i>Total</i>		(1,309,000)	0	0	0	0
<u>PUBLIC WORKS</u>							
Downtown Implementation Plan	MCBD		(100,000)	0	0	0	0
	<i>Total</i>		(100,000)	0	0	0	0
Total Expenditures and Uses			(1,409,000)	(600,000)	0	0	0
Change in Fund Balance			600,000	(600,000)	0	0	0
Ending Balance			600,000	0	0	0	0

Source		FY '21	FY '22	FY '23	FY '24	FY '25
381 - CAPITAL ST PROJECTS						
Beginning Balance		1,741,924	409,924	409,924	409,924	409,924
<u>Revenues and Other Fund Sources</u>						
Revenue						
STATE GRANT- SRF; WQI		390,000	0	0	0	0
	<i>Total</i>	390,000	0	0	0	0
Total Revenues and Other Fund Sources		390,000	0	0	0	0
Total Funds Available		2,131,924	409,924	409,924	409,924	409,924
<u>Expenditures and Uses</u>						
Capital Projects & Equipment						
PUBLIC WORKS						
Parking Lot Renovation- 1st/Church Street	20ParkingLot	(672,000)	0	0	0	0
Mill and Overlay of Streets with Tornado Impact	FEMA1	(400,000)	0	0	0	0
12TH AVENUE SIDEWALK INSTALLATION	SWALKCY19	(650,000)	0	0	0	0
	<i>Total</i>	(1,722,000)	0	0	0	0
Total Expenditures and Uses		(1,722,000)	0	0	0	0
Change in Fund Balance		(1,332,000)	0	0	0	0
Ending Balance		409,924	409,924	409,924	409,924	409,924

Source		FY '21	FY '22	FY '23	FY '24	FY '25
383 - COLISEUM REVITALIZATION						
Beginning Balance		2,075,348	0	0	0	0
<u>Revenues and Other Fund Sources</u>						
Revenue						
BOND PROCEEDS		300,000	0	0	0	0
GRANTS/DONATIONS		105,000	0	0	0	0
INSURANCE PROCEEDS		288,032	0	0	0	0
REIMBURSEMENT		48,200	0	0	0	0
SALE OF FIXED ASSET		92,000	0	0	0	0
	<i>Total</i>	833,232	0	0	0	0
Total Revenues and Other Fund Sources		833,232	0	0	0	0
Total Funds Available		2,908,580	0	0	0	0
<u>Expenditures and Uses</u>						
Capital Projects & Equipment						
<u>PARK & RECREATION</u>						
Coliseum Renovation	UR4003	(2,908,580)	0	0	0	0
	<i>Total</i>	(2,908,580)	0	0	0	0
Total Expenditures and Uses		(2,908,580)	0	0	0	0
Change in Fund Balance		(2,075,348)	0	0	0	0
Ending Balance		0	0	0	0	0

Source			FY '21	FY '22	FY '23	FY '24	FY '25
612 - WPCP REVENUE FUND							
Beginning Balance			0	0	0	0	0
<u>Revenues and Other Fund Sources</u>							
<i>USER FEES</i>							
4433.000 SEWER RENTALS			954,900	2,622,900	700,100	1,349,900	1,029,550
	<i>Total</i>		954,900	2,622,900	700,100	1,349,900	1,029,550
<i>Revenue</i>							
Proceeds of Long Term Debt			0	0	8,000,000	0	0
	<i>Total</i>		0	0	8,000,000	0	0
Total Revenues and Other Fund Sources			954,900	2,622,900	8,700,100	1,349,900	1,029,550
Total Funds Available			954,900	2,622,900	8,700,100	1,349,900	1,029,550
<u>Expenditures and Uses</u>							
<i>Capital Projects & Equipment</i>							
<u>SANITARY SEWER</u>							
AIR COMPRESSOR-SANITARY SEWER	SWR 5000 004		0	0	0	0	(9,000)
TV TRANSPORTER-SANITARY SEWER	SWR 5000 008		0	0	0	0	(18,000)
1 TON DUMP TRUCK #223	VEH 9000 001		(24,000)	0	0	0	0
3/4 TON PICKUP, W/4X4	VEH 9000 002		0	0	0	0	(21,000)
BACKHOE #207	VEH 9000 003		0	0	(57,000)	0	0
JET VACUUM TRUCK	VEH 9000 012		0	(125,000)	(125,000)	0	0
SMALL JET TRUCK	VEH 9000 016		0	0	0	(60,000)	0
SMALL PICKUP REPLACEMENT	VEH 9000 017		(9,600)	0	0	0	0
	<i>Total</i>		(33,600)	(125,000)	(182,000)	(60,000)	(48,000)
<u>SANITARY SEWER LIFT STATIONS</u>							
PUMP #1 REPLACEMENT	LEN 3500 001		0	0	0	0	(3,800)
PUMP #2 REPLACEMENT	LEN 3500 002		0	0	0	0	(3,800)
SEAL, CAULK, & PAINT BLOCK	MAI 1000 001		0	0	(8,000)	0	0
PUMP #1 REPLACEMENT-E MAIN LIFT STATION	MAI 1000 002		0	(26,000)	0	0	0
PUMP #1 REBUILD	MAI 1000 003		0	0	0	0	(3,000)
PUMP #2 REPLACEMENT-E MAIN LIFT STATION	MAI 1000 004		0	(26,000)	0	0	0
TELEMETRY UPGRADE-E MAIN SIFT STATION	MAI 1000 007		0	0	(25,000)	0	0
LEVEL CONTROLLER	MAI 1000 008		0	0	0	0	(2,100)
LEVEL CONTROLLER	MAR 2000 003		(1,800)	0	0	0	0
ELECTRICAL PANEL MAINTENANCE	MAR 2000 005		0	0	(8,000)	0	0
LIFT STATION BLDG REPAIR	ROL 4000 009		(50,000)	0	0	0	0
PUMP #1 REPLACEMENT	SUM 6000 001		0	0	0	(4,000)	0
PUMP #2 REPLACEMENT	SUM 6000 003		0	0	0	(4,000)	0
REPLACE 50KW PORT. GENERATOR-SANITARY SEWERS	SWR 5000 002		0	0	0	(75,000)	0
PAINT, SEAL, CAULK, & PAINT ROOF-TURNER LIFT STATI	TUR 7000 001		0	0	(10,000)	0	0
ELECTRICAL PANEL MAINTENANCE-TURNER LIFT STATION	TUR 7000 013		0	0	(8,000)	0	0

612 - WPCP REVENUE FUND

RADIO TELEMETRY SYSTEM-TURNER LIFT STATION	TUR 7000 014	0	0	0	(18,000)	0
SIPHON FLOW METER	TUR 7000 016	0	0	0	0	(1,800)
SIPHON WETWELL METER	TUR 7000 017	0	0	0	0	(1,800)
ACTUATOR/ WEIR GATE	TUR 7000 018	0	0	0	0	(4,000)
ACTUATOR/PLANT GATE	TUR 7000 019	0	0	0	0	(4,000)
PAINT INTERIOR	YMC 9500 001	0	0	0	0	(4,950)
PUMP #1 REPLACEMENT -YMCA LIFT STATION	YMC 9500 004	0	0	(10,000)	0	0
PUMP #2 REPLACEMENT-YMCA LIFT STATION	YMC 9500 006	0	0	(10,000)	0	0
PUMP #3 REPLACEMENT-YMCA LIFT STATION	YMC 9500 008	0	0	(10,000)	0	0
STANDBY GEN. REPLACEMENT-YMCA LIFT STATION	YMC 9500 011	0	(75,000)	0	0	0

Total

(51,800)	(127,000)	(89,000)	(101,000)	(29,250)
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STORM SEWER

1 TON DUMP TRUCK	VEH 9000 005	0	(26,400)	0	0	0
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Total

0	(26,400)	0	0	0
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WPCP

REPLACE HAV - ADMINISTRATION BLDG	ADM 0300 015	0	(7,000)	0	0	0
AERATION BASIN MEMBRANES	ARB 0500 002	0	0	(25,000)	0	0
TEST GAS BALL	BGR 0700 001	(15,000)	0	0	0	0
PAINT GAS BALL	BGR 0700 002	(200,000)	0	0	0	0
MEMBRANE ROOF REPLACEMENT-BOILER BLDG	BLR 1200 003	0	0	0	(15,000)	0
SUPERVISORY CONTROL UPGRADE-BOILER BLDG	BLR 1200 015	0	(15,000)	0	0	0
RE-ROOF - ENGINE BUILDING	CMP 1500 002	0	0	0	(25,000)	0
RAW WASTE PUMP #3 - COMPRESSOR BLDG	CMP 1500 014	(15,000)	0	0	0	0
GENERATOR CONTROL REPLACEMENT-COMP BLDG	CMP 1500 033	0	0	0	0	(180,000)
NORTH TUNNEL MLSS XFER PUMP-COMP BLDG	CMP 1500 042	0	(10,000)	0	0	0
NORTH TUNNEL pH SYSTEM ANALYZE-COMP BLDG	CMP 1500 043	(7,000)	0	0	0	0
MASTER RADIO - RTU-COMP BLDG	CMP 1500 046	0	(15,000)	0	0	0
MAU-1 REBUILD-COMP BLDG	CMP 1500 050	(25,000)	0	0	0	0
FLUID COOLER-COMP BLDG	CMP 1500 051	0	0	0	0	(25,000)
SUPERVISORY CONTROL UPGRADE-COMP BLDG	CMP 1500 055	(15,000)	0	0	0	0
CONCENTRATE DRIVE (EAST)-& (WEST) CONCENTRATE BLDG	CNC 1700 001	(30,000)	0	0	0	0
RE-ROOF DAF-MAINT SHOP BLDG	DAF 1900 001	0	0	0	(20,000)	0
DAF #1 REPLACE w/ RDT-DAF BLDG	DAF 1900 013	0	0	0	(200,000)	0
DAF #2 REPLACE w/ RDT-DAF BLDG	DAF 1900 014	0	0	0	(200,000)	0
SUPERVISORY CONTROL UPGRADE-DAF BLDG	DAF 1900 025	(15,000)	0	0	0	0
AIR DIA. PUMP #1 REPLACEMENT-DIG CONTR BLDG	DCB 2100 014	0	(20,000)	0	0	0
AIR DIA. PUMP #2 REPLACEMENT-DIG CONTR	DCB 2100 015	0	(20,000)	0	0	0

612 - WPCP REVENUE FUND

BLDG

GAS COMPRESSOR #2 REPLACEMENT-DOG CONTR BLDG	DCB 2100 020	(65,000)	0	0	0	0
PIPE INSULATION-DIG CONTR BLDG	DCB 2100 028	0	0	(8,000)	0	0
MAU - 2 (CONCENTRATE)-DIG CONTR BLDG	DCB 2100 031	0	0	0	0	(30,000)
MAU-2 (CONCENTRATE) REBUILD-DIG CONTR BLDG	DCB 2100 032	(25,000)	0	0	0	0
WEMCO PUMP #2 (LOWER LEVEL)-DIG CONTR BLDG	DCB 2100 033	0	0	0	0	(20,000)
DAY TANK PROPELLER MIXER-DIG CONTR BLDG	DCB 2100 035	0	0	0	0	(13,000)
DIG FEED PUMP #1-DIG CONTR BLDG	DCB 2100 037	0	0	0	0	(10,000)
DIG FEED PUMP #2 REPLACEMENT-DIG CONTR BLDG	DCB 2100 039	0	0	0	0	(10,000)
DIG FEED PUMP GRINDER-DIG CONTR BLDG	DCB 2100 041	0	0	0	0	(8,000)
DIG TRANSFER PUMP #1 REPLACEME-DIG CONTR BLDG	DCB 2100 042	0	0	0	0	(10,000)
DIG TRANSER PUMP #2 REPLACEME-DIG CONTR BLDG	DCB 2100 044	0	0	0	0	(10,000)
DIG TRANS PUMP GRINDER REPLACE-DOG CONTR BLDG	DCB 2100 047	0	0	0	0	(8,000)
SPARE GRINDER-DIG CONTR BLDG	DCB 2100 049	0	0	0	0	(8,000)
#1 WEMCO PUMP-DIG CONTR BLDG	DCB 2100 054	0	0	0	(35,000)	0
WEMCO #3-DIG CONTR BLDG	DCB 2100 056	0	0	0	(30,000)	0
DIG#1 - MIXER #1 REPLACEMENT- DIG #1	DG1 2001 004	0	0	0	0	(25,000)
DIG#1-MIXER #2 REPLACEMENT-DIG #1	DG1 2001 006	0	0	0	0	(25,000)
DIG#1 - MIXER #3 REPLACEMENT-DIG #1	DG1 2001 008	0	0	0	0	(25,000)
MEMBRANE ROOF REPLACEMENT-DIG #2	DG2 2002 001	0	0	0	0	(38,000)
PAINT LID-DIG #2	DG2 2002 003	0	0	0	0	(32,000)
DIG#2 - MIXER #1 REPLACEMENT-DIG #2	DG2 2002 004	0	0	0	0	(25,000)
DIG#2 - MIXER #2 REPLACEMENT-DIG #2	DG2 2002 006	0	0	0	0	(25,000)
DIG#2 - MIXER #3 REPLACEMENT-DIG #2	DG2 2002 008	0	0	0	0	(25,000)
DIG#3 - MIXER #1 REPLACEMENT-DIG #3	DG3 2003 004	0	(25,000)	0	0	0
DIG#3 - MIXER #1 REBUILD	DG3 2003 005	0	(10,000)	0	0	0
REBUILD DRIVE - FINAL#1,#2,#3	FCL 3100 002	0	0	(15,000)	0	0
FINAL CLARIFIER REHAB PROJECT	FCL 3100 015	(30,000)	(110,000)	0	0	0
FINAL CLARIFIER REHAB PROJECT	FCL 3100 016	0	(1,260,000)	0	0	0
HEATING & COOLING -LAB BLDG	LAB 3700 006	0	0	0	(12,000)	0
AA SPEC - LAB BLDG	LAB 3700 008	0	(60,000)	0	0	0
INDUSTRIAL PRETREAT SOFTWARE - LAB BLDG	LAB 3700 024	0	0	(5,000)	0	0
SCADA WONDERWARE SOFTWARE UPGRADE- LAB BLDG	LAB 3700 025	0	(145,000)	0	0	0
60" LAB HOOD LAB BLDG	LAB 3700 027	(7,000)	0	0	0	0
REBUILD #1,2,3 PRIMARY CLARIFIER	PCL 4900 002	0	0	0	(60,000)	0
REBUILD #4, 5 PRIMARY CLARIFIER	PCL 4900 007	0	0	0	(60,000)	0
PRIMARY VALVE ACTUATORS (5 per/year)- PRIMARIES	PCL 4900 011	0	(35,000)	(35,000)	0	0

612 - WPCP REVENUE FUND

PRIMARY CLARIFIER#1 WEIR REPLACEMENT	PCL 4900 013	0	(40,000)	0	0	0
PRIMARY CLARIFIER #2 WEIR REPLACEMENT	PCL 4900 015	0	(40,000)	0	0	0
PRIMARY CLARIFIER #3 WEIR REPLACEMENT	PCL 4900 016	0	(40,000)	0	0	0
PUMP #4 REBUILD-PRELIM BLDG	PLM 4700 017	0	(15,000)	0	0	0
PUMP #5 REBUILD-PRELIM BLD	PLM 4700 019	0	(15,000)	0	0	0
REPLACE GRIT SNAIL BELT-PRELIM BLDG	PLM 4700 021	0	0	(11,100)	0	0
VFD REPLACEMENT(4,5,)-PRELIM BLDG	PLM 4700 025	0	0	0	(12,000)	0
VFD REPLACEMENT (1,2,3&6)-PRELIM BLDG	PLM 4700 028	0	(24,000)	0	0	0
MAU -3 REPLACEMENT-PRELIM BLDG	PLM 4700 032	0	0	0	0	(40,000)
MAU-3 REBUILD-PRELIM BLDG	PLM 4700 033	0	(10,000)	0	0	0
SUPERVISORY CONTROL UPGRADE-PRELIM BLDG	PLM 4700 034	0	(15,000)	0	0	0
VERTICAL TURBINE PUMP #1-PRELIM BLDG	PLM 4700 035	0	0	0	0	(50,000)
VERT TURBINE PUMP #1,#2,#3,#6 REBUILD-PRELIM BLDG	PLM 4700 036	0	0	0	(60,000)	0
VERTICAL TURBINE PUMP#2 REPLAC-PRELIM BLDG	PLM 4700 037	0	0	0	0	(50,000)
VERTICAL TURBINE PUMP #3 REPLA-PRELIM BLDG	PLM 4700 039	0	0	0	0	(50,000)
VERTICAL TURBINE PUMP #6 REPLA-PRELIM BLDG	PLM 4700 041	0	0	0	0	(50,000)
BIOSOLIDS LOADING PUMP #1,#2 -PRELIM BLDG	PLM 4700 045	(20,000)	0	0	0	0
REPLACE PIPE SUPPORTS - PRELIM BLDG	PLM 4700 050	0	0	0	(6,000)	0
PRELIM VALVE ACTUATOR TO FEB	PLM 4700 051	0	0	0	0	(10,000)
SLUDGE LOADING FLOW METER	PLM 4700 053	0	0	0	0	(13,000)
HEADWORKS EQUIP REPL PROJECT	PLM 4700 066	(23,000)	0	0	0	0
HEADWORKS EQUIP REPL PROJECT	PLM 4700 067	0	0	(8,000,000)	0	0
PLANT SECURITY-PLANT	PLT 4500 001	0	0	0	0	(50,000)
VALVE EXERCISER-PLANT	PLT 4500 005	0	0	0	(8,000)	0
CONCRETE REPAIR PROGRAM-PLANT	PLT 4500 010	(30,000)	0	0	0	0
CONCRETE TANK REPAIR PROGRAM-PLANT	PLT 4500 011	(200,000)	0	0	0	0
INDUSTRIAL PC REPLACEMENT-ALL	PLT 4500 012	0	0	0	(100,000)	0
RIVER GAUGE STATION-TELEMETRY	PLT 4500 018	(9,000)	0	0	0	0
INDUSTRIAL PC REPLACEMENT FOR SCPC-B	PLT 4500 019	(9,000)	0	0	0	0
JBS LAGOON-TELEMETRY	PLT 4500 020	0	0	0	(15,000)	0
MCC ELECTRICAL MAINTENANCE-PLANT	PLT 4500 021	(20,000)	0	0	0	0
CAPACITOR BANK PROJ	PLT 4500 151	0	(50,000)	0	0	0
RAW PUMP #2 REPLACEMENT-SBR BLDG	SBB 1100 012	(25,000)	0	0	0	0
GAS MONITOR-SBR BLDG	SBB 1100 021	0	0	0	0	(6,000)
SUPERVISORY CONTROLS/COMPUTER-SBR BLDG	SBB 1100 023	0	(20,000)	0	0	0
SBR Blowe-SBR BLDG	SBB 1100 031	(50,000)	0	0	0	0
PC UPGRADE-SBR BLDG	SBB 1100 037	0	(2,000)	0	0	0
REPLACE SBR MIXER #1-SBR TANK#1	SBR 5500 002	(25,000)	0	0	0	0
REPLACE SBR DECANTOR #1-SBR TANK #1	SBR 5500 006	0	0	0	(38,000)	0

Source		FY '21	FY '22	FY '23	FY '24	FY '25
612 - WPCP REVENUE FUND						
REPLACE SBR DECANTOR #2-SBR TANK #2	SBR 5500 007	0	0	0	(38,000)	0
SBR AERATION SYSTEM REPLACEMENT	SBR 5500 035	0	0	(200,000)	0	0
MCC J&K REPLACEMENT - SBR	SBR 5500 060	0	(100,000)	(100,000)	0	0
WASTING PUMP #1 REPLACEMENT- SECONDARY CONTR BLDG	SCB 5300 010	0	0	0	(5,700)	0
WASTING PUMP #2 REPLACEMENT- SECONDARY CONTR BLDG	SCB 5300 012	0	0	0	(5,700)	0
JET PUMP #1A,#2A,#3A VFD-SECONDARY CONTR BLDG	SCB 5300 023	0	(36,000)	0	0	0
JET PUMP #1B VFD-SECONDARY CONTR BLDG	SCB 5300 024	0	(12,000)	0	0	0
SUPERVISORY CONTROL UPGRADE- SECONDARY CONTR BLDG	SCB 5300 032	0	(15,000)	0	0	0
INDUSTRIAL PC UPGRADE-SECONDARY CONTR BLDG	SCB 5300 033	0	(12,500)	0	0	0
REPLACE JET PUMP/MOTOR #1A	SCB 5300 16	0	0	0	(75,000)	0
REPLACE JET PUMP/MOTOR #1B	SCB 5300 17	0	(75,000)	0	0	0
REPLACE JET PUMP/MOTOR #2A	SCB 5300 18	0	0	0	0	(75,000)
REPLACE JET PUMP/MOTOR #2B	SCB 5300 19	0	(75,000)	0	0	0
REPLACE JET PUMP/MOTOR #3A	SCB 5300 20	0	0	0	(75,000)	0
REPLACE JET PUMP/MOTOR #3B	SCB 5300 21	0	0	0	(75,000)	0
JET PUMP # 3B VFD-SECONDARY CONTR BLDG	SCB 5300 29A	0	(12,000)	0	0	0
AERATION MIXER-LIME SILO	SLO 4000 004	0	0	0	(10,000)	0
SLUDGE FLOW METER-SLUDGE TRANSFER BLDG	STP 6100 006	0	0	0	(8,500)	0
LAB VAN-VEHICLE	VEH 8100 003	0	0	(30,000)	0	0
OPERATIONS VEHICLE(MULE)-VEHICLE	VEH 8100 006	(9,500)	0	0	0	0
WASTE HOLDING PUMP #2	WHT 8800 001	0	(4,000)	0	0	0
WASTE HOLDING PUMP #1	WHT 8800 002	0	0	0	0	(6,300)
<i>Total</i>		(869,500)	(2,344,500)	(8,429,100)	(1,188,900)	(952,300)
Total Expenditures and Uses		(954,900)	(2,622,900)	(8,700,100)	(1,349,900)	(1,029,550)
Change in Fund Balance		0	0	0	0	0
Ending Balance		0	0	0	0	0

Source		FY '21	FY '22	FY '23	FY '24	FY '25
616 - SAN SWR REHAB						
Beginning Balance		0	150,000	150,000	1,900,000	150,000
<u>Revenues and Other Fund Sources</u>						
<i>User Fees</i>						
4433.000 SEWER RENTALS		150,000	312,000	0	200,000	0
	<i>Total</i>	150,000	312,000	0	200,000	0
<i>Other Fund Sources</i>						
4990.000 BOND SALES		0	0	3,500,000	0	0
	<i>Total</i>	0	0	3,500,000	0	0
Total Revenues and Other Fund Sources		150,000	312,000	3,500,000	200,000	0
Total Funds Available		150,000	462,000	3,650,000	2,100,000	150,000
<u>Expenditures and Uses</u>						
<i>Capital Projects & Equipment</i>						
<u>SANITARY SEWER</u>						
2019 CIPP Project	59016003	0	(312,000)	(1,750,000)	(1,750,000)	0
2020 Manhole Rehabilitation Project	59018001	0	0	0	(200,000)	(810,000)
	<i>Total</i>	0	(312,000)	(1,750,000)	(1,950,000)	(810,000)
Total Expenditures and Uses		0	(312,000)	(1,750,000)	(1,950,000)	(810,000)
Change in Fund Balance		150,000	0	1,750,000	(1,750,000)	(810,000)
Ending Balance		150,000	150,000	1,900,000	150,000	(660,000)

Source		FY '21	FY '22	FY '23	FY '24	FY '25
690 - TRANSIT						
Beginning Balance		168,576	168,576	168,576	168,576	168,576
<u>Expenditures and Uses</u>						
<i>Capital Projects & Equipment</i>						
<u>TRANSIT</u>						
Tow Bar and adapter	E10112	0	0	0	0	(6,000)
Shop Truck	V3417	0	0	0	0	(50,000)
	<i>Total</i>	0	0	0	0	(56,000)
Total Expenditures and Uses		0	0	0	0	(56,000)
Change in Fund Balance		0	0	0	0	(56,000)
Ending Balance		168,576	168,576	168,576	168,576	112,576

Source			FY '21	FY '22	FY '23	FY '24	FY '25
740/741 - STORM WATER							
Beginning Balance			1,720,000	4,720,000	1,220,000	1,220,000	1,220,000
<u>Revenues and Other Fund Sources</u>							
<i>Revenue</i>							
4427.000 Storm Water Charges			609,639	853,450	682,000	700,000	707,000
	<i>Total</i>		609,639	853,450	682,000	700,000	707,000
<i>Other Fund Sources</i>							
4990.000 Proceeds of Lt Debt			3,300,000	0	0	0	0
	<i>Total</i>		3,300,000	0	0	0	0
Total Revenues and Other Fund Sources			3,909,639	853,450	682,000	700,000	707,000
Total Funds Available			5,629,639	5,573,450	1,902,000	1,920,000	1,927,000
<u>Expenditures and Uses</u>							
<i>Capital Projects & Equipment</i>							
<u>PARK & RECREATION</u>							
Pickleball Pocket Park	21ColAlley		(51,239)	0	0	0	0
	<i>Total</i>		(51,239)	0	0	0	0
<u>PUBLIC WORKS</u>							
Median Improvements- Hwy 14 Olive to La Frenz	2019DOTHWY14		0	(142,850)	0	0	0
Parking Lot Renovation- 1st/Church Street	20ParkingLot		(310,000)	0	0	0	0
	<i>Total</i>		(310,000)	(142,850)	0	0	0
<u>SANITARY SEWER</u>							
AIR COMPRESSOR-SANITARY SEWER	SWR 5000 004		0	0	0	0	(6,000)
TV TRANSPORTER-SANITARY SEWER	SWR 5000 008		0	0	0	0	(12,000)
1 TON DUMP TRUCK #223	VEH 9000 001		(16,000)	0	0	0	0
3/4 TON PICKUP, W/4X4	VEH 9000 002		0	0	0	0	(14,000)
BACKHOE #207	VEH 9000 003		0	0	(38,000)	0	0
JET VACUUM TRUCK	VEH 9000 012		0	(100,000)	(100,000)	0	0
SMALL JET TRUCK	VEH 9000 016		0	0	0	(40,000)	0
SMALL PICKUP REPLACEMENT	VEH 9000 017		(6,400)	0	0	0	0
	<i>Total</i>		(22,400)	(100,000)	(138,000)	(40,000)	(32,000)
<u>STORM SEWER</u>							
1 TON DUMP TRUCK	VEH 9000 005		0	(17,600)	0	0	0
	<i>Total</i>		0	(17,600)	0	0	0
<u>STORM SEWER LIFT STATIONS</u>							
MAJ REBUILD DISCHARG PUMP # 1-18TH AVE STATION	18A 5910 001		0	0	0	(50,000)	0
TELEMETRY-18TH AVE STATION	18A 5910 011		0	(35,000)	0	0	0
REPLACE DRAIN MH PUMP # 1-18TH AVE STATION	18A 5910 012		0	0	(10,000)	0	0
REPLACE DRAIN MH PUMP # 2-18TH AVE STATION	18A 5910 013		0	0	(10,000)	0	0
SEAL, CAULK & PAINT-18TH AVE STATION	18A 5910 014		0	0	(10,000)	0	0
AIR CONDITIONING UNIT-1 NORTH	18A 5910 018		0	(8,000)	0	0	0

Source		FY '21	FY '22	FY '23	FY '24	FY '25
740/741 - STORM WATER						
AIR CONDITIONING UNIT-2 SOUTH	18A 5910 019	0	(8,000)	0	0	0
RIVERVIEW STORMWATER PROJECT 2012	RIV 5900 000	0	(212,000)	0	0	0
SEAL, CAULK, & PAINT ROOF	RIV 5900 001	0	0	(4,000)	0	0
PUMP #2 REBUILD MOTOR	RIV 5900 007	0	0	(10,000)	0	0
STANDBY GENSET REBUILD	RIV 5900 033	0	0	0	(10,000)	0
REPLACE 250KW GENERATOR-SEWER	SWR 5000 012	0	0	0	0	(75,000)
<i>Total</i>		0	(263,000)	(44,000)	(60,000)	(75,000)
STORM WATER						
Levee Repair - Earthwork	29113005	0	(500,000)	0	0	0
Levee Gatewell Repair	29113019	0	0	(500,000)	0	0
STORM WATER EMERGENCY REPAIRS	53107005A	(30,000)	(30,000)	0	0	0
Dredging & Installing Settling Ponds	P100	0	(300,000)	0	(600,000)	(600,000)
4th St/Meadow Ln. Storm Sewer	P200	(300,000)	(3,000,000)	0	0	0
East Main Street Drainage Improvements	SMW20004	(196,000)	0	0	0	0
<i>Total</i>		(526,000)	(3,830,000)	(500,000)	(600,000)	(600,000)
Total Expenditures and Uses		(909,639)	(4,353,450)	(682,000)	(700,000)	(707,000)
Change in Fund Balance		3,000,000	(3,500,000)	0	0	0
Ending Balance		4,720,000	1,220,000	1,220,000	1,220,000	1,220,000

City Capital Plan Equipment Replacment

City of Marshalltown, Iowa

FY '21 thru FY '25

Department AIRPORT

Contact Justin Nickel

Type Improvement

Useful Life 40 years

Category 0012080 GEN'L-AIRPORT

Priority Critical

Status Active

Total Project Cost: \$3,706,641

Project # B3011

Project Name 120' x 100' Hangar & Terminal & Vault

Division AIRPORT

Object 5776.000 BUILDINGS & IMPR

Location AIRPORT TERMINAL

Description

This project would build a new 120 foot by 100 foot hangar at the Airport to handle larger jets and transient jets needing to be stored indoors for an overnight stay. Included with this would be a new terminal facility to provide a more passenger-friendly space for arrivals and departures. Also, is a new vault to control electrical and communication systems.

Justification

In order to draw back air traffic from some of the City's largest employers as well as provide a place for prospective businesses to land and stay, a hangar is needed to accommodate transient/overnight traffic and for larger planes in general. This is often the first image of Marshalltown, and a new terminal will help improve the image to those outside of the community.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Planning&Design	88,273	206,827	3,170			298,270
Construction	517,310	2,490,353	100,311			3,107,974
Total	605,583	2,697,180	103,481			3,406,244

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
312 - AIRPORT PROJECTS	605,583	2,697,180	103,481			3,406,244
Total	605,583	2,697,180	103,481			3,406,244

Budget Impact/Other

The City will be borrowing \$1.725 million to go with \$1,411,000 in state and federal grants to design and construct the project totaling \$3.137 million.

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5233.000: ENGINEERING	88,273	206,827	3,170			298,270
5776.000: BUILDINGS & IMPROVEMENTS=>5,000	517,310	2,490,353	100,311			3,107,974
Total	605,583	2,697,180	103,481			3,406,244

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department CARNEGIE & COLISEUM B

Contact Lynn Couch

Type Maintenance

Useful Life 10 years

Category 0316051 Bldg Maint - Carnegi

Priority Very Important

Status Active

Total Project Cost: \$5,000

Project # 3981
Project Name Recarpet Front Entrance

Division BUILDING

Object 5410.000 REPAIRS/MAINT

Location

Description

Recarpet front entrance

*FUNDING NOT AVAILABLE.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance				5,000		5,000
Total				5,000		5,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
031 - BUILDING MAINTENANCE				5,000		5,000
Total				5,000		5,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5410.000: REPAIRS / MAINTENANCE				5,000		5,000
Total				5,000		5,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department CARNEGIE & COLISEUM B

Contact Justin Nickel

Type Maintenance

Useful Life 15 years

Category 0316051 Bldg Maint - Carnegi

Priority Very Important

Status Active

Total Project Cost: \$15,000

Project # 3990

Project Name 36 N Center Steps, Sidewalk & State St Landscaping

Division BUILDING

Object 5410.000 REPAIRS/MAINT

Location

Description

Add heated pads to the doorway approaches to the Carnegie Building, including upgrading the steps with handrails.

Justification

This is a safety item for the public and employees. Heated pads in the steps reduce labor for snow and ice removal.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance		15,000				15,000
Total		15,000				15,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
031 - BUILDING MAINTENANCE		15,000				15,000
Total		15,000				15,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5410.000: REPAIRS / MAINTENANCE		15,000				15,000
Total		15,000				15,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department CARNEGIE & COLISEUM B

Contact Justin Nickel

Type Maintenance

Useful Life 10 years

Category 0306051 CARNEGIE BLDG

Priority Very Important

Status Active

Total Project Cost: \$25,000

Project # 4010

Project Name Carnegie/City Hall Security Updates

Division BUILDING

Object 5749.000 OTHER CAPITAL EQ

Location

Description

This project would seek to enhance the security of City Hall and the Carnegie Building with a key card access system, controlled entrances, and security cameras.

Justification

The building currently has many unsecured entrances which result in uncontrolled access to areas of the building that are not staffed. This will also eliminate the need for employees to have keys and allow for tracked building access.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		25,000				25,000
Total		25,000				25,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
031 - BUILDING MAINTENANCE		25,000				25,000
Total		25,000				25,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		25,000				25,000
Total		25,000				25,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department CARNEGIE & COLISEUM B

Contact

Type Unassigned

Useful Life

Category 0304065 CIP-COLISEUM

Priority Not Applicable

Status Active

Total Project Cost: \$135,000

Project # COLGenerator
Project Name Coliseum Generator

Division

Object

Location

Description
The Coliseum is outfitted with hookups for a permanent generator to be placed on the southwest corner of the building.

Justification
The Coliseum is a key facility for disaster response and planning, and can be used for sheltering and other purposes with a generator that will operate the entire building. Initial plans were to provide hookups for a portable generator but the derecho brought about the reality that a portable generator could not be easily located. This project provides the best case scenario for the long term use of the Coliseum in disaster response.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		135,000				135,000
Total		135,000				135,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
031 - BUILDING MAINTENANCE		33,750				33,750
132 - MISC CAPITAL GRANTS		101,250				101,250
Total		135,000				135,000

Budget Impact/Other
The City is working with Iowa Homeland Security and Emergency Management to submit a grant application for the generator to cover 75% of the cost. The City would be responsible for the remaining \$25%.

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department CITY ADMINISTRATION

Contact Jessica Kinser

Type Unassigned

Useful Life

Category 0015010 GEN'L-COMMUNIT

Priority Not Applicable

Status Active

Total Project Cost: \$8,952

Project # **Pride20**
Project Name **Banners for Viaducts**

Division

Object

Location

Description

The City has 36 banners in 3 locations:
-6 on 3rd Avenue viaduct
-23 on Center Street viaduct
-7 on 3rd Street viaduct

Justification

The banners have been damaged by the tornado and other wind events and are faded and torn and tattered. They do not put forward a positive image of the community and should be updated.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	8,952					8,952
Total	8,952					8,952

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND	8,952					8,952
Total	8,952					8,952

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5600.000: OPERATING SUPPLIES	8,952					8,952
Total	8,952					8,952

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department CITY ADMINISTRATION

Contact

Type Unassigned

Useful Life

Category 0011010 GEN'L-POLICE AD

Priority Not Applicable

Status Active

Total Project Cost: \$165,000

Project # Signs001
Project Name Wayfinding Signage/Entryway Signage

Division

Object

Location

Description

The City is undertaking a Wayfinding Master Plan in FY18. Budgets have been created in succeeding fiscal years to implement the study.

Justification

Wayfinding signage is not only functional in helping people get to where they want to go, but it also helps establish a communities identity and provide consistency throughout other aspects of the community.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	25,000		25,000		50,000	100,000
Total	25,000		25,000		50,000	100,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND	25,000		25,000		50,000	100,000
Total	25,000		25,000		50,000	100,000

Budget Impact/Other

The Wayfinding Master Plan will be supported with \$20,000 from LOST fund balance and \$20,000 from a grant from the Martha Ellen Tye Foundation. Other outside sources will be sought for the actual signage with the majority of the City's contribution coming from Road Use Tax.

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000	25,000	0	25,000			50,000
Total	25,000	0	25,000			50,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department CITY ADMINISTRATION

Contact

Type Unassigned

Useful Life

Category 0015010 GEN'L-COMMUNIT

Priority Not Applicable

Status Active

Total Project Cost: \$30,000

Project # SpEv1

Project Name Special Event Trailer/Equipment

Division

Object

Location

Description

The LEAN special event process concluded with multiple recommendations, including the purchase of a trailer to be stocked with barricades and other items to be used for special events across the community.

Justification

By providing a trailer for individuals or organizations to rent, City staff will not have to set out and pick up barricades or cones for most community events. A rental fee can help offset costs for maintaining the equipment in the trailer.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	30,000					30,000
Total	30,000					30,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND	30,000					30,000
Total	30,000					30,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department CITY CLERK

Contact

Type Equipment

Useful Life 6 years

Category 0306020 CIP-CITY CLERK

Priority Very Important

Status Active

Total Project Cost: \$15,500

Project # E8402010001

Project Name Copier

Division CITY CLERK'S OFFICE

Object 5749.000 OTHER CAPITAL EQ

Location City Clerk

Description

Ricoh MP C4503 Copier, serial: 13809159 - main floor

Replace FY22 \$5,500

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			5,500			5,500
Total			5,500			5,500

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND			5,500			5,500
Total			5,500			5,500

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		5,500				5,500
Total		5,500				5,500

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department CITY HALL

Contact Justin Nickel

Type Maintenance

Useful Life 30 years

Category 0316050 Bldg Maint - City Hal

Priority Very Important

Status Active

Project # CH0009
Project Name Replace Windows

Division CITY HALL

Object 5410.000 REPAIRS/MAINT

Location

Total Project Cost: \$10,000

Description

City Hall has a number of original windows which are not energy efficient and contribute to loss of heating and cooling.

Justification

Replacing the windows provides a more comfortable work environment while also controlling heating and cooling costs by saving energy.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance					10,000	10,000
Total					10,000	10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
031 - BUILDING MAINTENANCE					10,000	10,000
Total					10,000	10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5410.000: REPAIRS / MAINTENANCE	10,000					10,000
Total	10,000					10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department CITY HALL

Contact Justin Nickel

Type Maintenance

Useful Life 40 years

Category 0316050 Bldg Maint - City Hal

Priority Very Important

Status Active

Total Project Cost: \$25,000

Project # CH0016

Project Name Replace East Entrance Door and Steps

Division BUILDING

Object 5340.200 CONTRACT - OTHE

Location CITY HALL

Description

Replace east entrance (24 N. Center) door to City Hall and replace th front steps and approach, which have deteriorated.

Justification

The hinges to the door are wearing out and the door and frame will need to be replaced in order to secure the building. The front steps provide necessary accessibility and should be replaced to ensure safe access into the building by employee and the public.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction		25,000				25,000
Total		25,000				25,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
031 - BUILDING MAINTENANCE		25,000				25,000
Total		25,000				25,000

Budget Impact/Other

None.

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5348.000: CONTRACT - OTHER		25,000				25,000
Total		25,000				25,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department CITY HALL

Contact

Type Improvement

Useful Life 20 years

Category 0016050 GEN'L-CITY HALL

Priority Critical

Status Active

Total Project Cost: \$110,300

Project # CH0023

Project Name City Hall Building System Improvements

Division

Object

Location

Description

This project will address all issues related to the vacancy of the Police Department and the possible demolition or reuses of that building. These issues include assessing the structural integrity of the footings for the elevator and the current shared wall, moving of a new hot water heater to City Hall, and replacement of a boiler or installation of a forced air HVAC system into City Hall.

Justification

If this City is going to dispose of or demolish the current Police Department building, these actions will need to occur.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction					86,300	86,300
Total					86,300	86,300

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
031 - BUILDING MAINTENANCE					86,300	86,300
Total					86,300	86,300

Budget Impact/Other

UR Plan #4 allows for 2/3 of costs of improvements to come from Tax Increment Financing.

- Elevator Code Update- \$5,300
- Hot Water Heater- \$1,000
- Boiler or all new HVAC- \$80,000

Total: \$86,300

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000					86,300	86,300
Total					86,300	86,300

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department CITY HALL

Contact Diana Steiner

Type Improvement

Useful Life 20 years

Category 0016050 GEN'L-CITY HALL

Priority Important

Status Active

Project # FY18 Finance

Project Name Remodel City Hall 1st Floor for Finance move

Division

Object

Location

Total Project Cost: \$53,000

Description

Remodel 1st floor City Hall so the Finance Dept. can move downstairs. This will entail providing a new doorway off the 1st floor hallway, building some walls for offices, replace carpet, etc. Total budget is \$53,000. \$4245 was spent in FY19 for new windows and doors.

Justification

Remodel 1st floor City Hall so the Finance Dept. can move downstairs. Right now 2 staff are downstairs and 3 are upstairs. This move will provide a more efficient setting.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Buildings	48,755					48,755
Total	48,755					48,755

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
031 - BUILDING MAINTENANCE	48,755					48,755
Total	48,755					48,755

Budget Impact/Other

Could reduce utilities by only using 1st floor of City Hall.

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000	48,755					48,755
Total	48,755					48,755

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department ENGINEERING

Contact Justin Nickel

Type Equipment

Useful Life 10 years

Category 1102060 RUT-ENGINEERING

Priority Critical

Status Active

Project # 3504

Project Name Field Laptops

Division

Object 5704.000 MINOR SOFTWARE

Location

Total Project Cost: \$20,900

Description

Update of engineering field laptops to provide for the use of software necessary for the utilization of ESRI GIS Software

Justification

Replace outdated laptops.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		9,000				9,000
Total		9,000				9,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$		9,000				9,000
Total		9,000				9,000

Budget Impact/Other

Appropriate

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5740.000: COMPUTER EQUIPMENT =>5,000		9,000				9,000
Total		9,000				9,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department ENGINEERING

Contact Justin Nickel

Type Equipment

Useful Life 8 years

Category 1102060 RUT-ENGINEERING

Priority Critical

Status Active

Total Project Cost: \$17,515

Project # E2181

Project Name Scanner & Plotter

Division

Object

Location

Description

Replacement plotter for the production of engineering drawings
Scanner \$4610 in 2019
HP Printer \$2905 in 2019

Justification

Necessary piece of equipment for the functioning of the division, the dollar figure will be split between the new scanner and plotter

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				10,000		10,000
Total				10,000		10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$				10,000		10,000
Total				10,000		10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5740.000: COMPUTER EQUIPMENT =>5,000				10,000		10,000
Total				10,000		10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department ENGINEERING

Contact

Type Improvement

Useful Life 20 years

Category 0012060 GEN'L-ENGINEERI

Priority Important

Status Active

Total Project Cost: \$1,005,000

Project # RR2018
Project Name Railroad Crossing Safety Improvements

Division

Object

Location

Description

The City is funding a study of the railroad crossings at 2nd, 6th and 12th streets and 12th Avenue to determine if future improvements which enhance the safety of the crossings while following FRA rules for a quiet zone are possible.

Justification

Making the improvements proposed by the report will not only enhance safety at our railroad crossings but will also give the ability to apply to Union Pacific for a quiet zone designation throughout the City. This would eliminate a majority of the train horn noise and help enhance quality of life. This project could also address the accessibility condition issues at each crossing, with 12 of 14 crossings have.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction		1,000,000				1,000,000
Total		1,000,000				1,000,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$		400,000				400,000
362 - 2020A GO Bond Projects		600,000				600,000
Total		1,000,000				1,000,000

Budget Impact/Other

Possible outside funds are available from the DOT. If the Council wants to pursue closing a crossing, Union Pacific will provide some funds as well.

This is proposed to be funded with \$600,000 of 2020A General Obligation bond proceeds and \$400,000 from Road Use Tax for the street related improvements.

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department ENGINEERING

Contact Brad Bateman

Type Maintenance

Useful Life 10 years

Category 1102060 RUT-ENGINEERING

Priority Critical

Status Active

Project # SE0001

Project Name Replacement Data Collector for Total Station

Division ENGINEERING

Object 5749.000 OTHER CAPITAL EQ

Location CITY HALL

Total Project Cost: \$16,000

Description

Replace data collector for Trimble Total Station. Needed as the current data collector has failing key and software.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					8,000	8,000
Total					8,000	8,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$					8,000	8,000
Total					8,000	8,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					8,000	8,000
Total					8,000	8,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department ENGINEERING

Contact Justin Nickel

Type Equipment

Useful Life 10 years

Category 1102060 RUT-ENGINEERING

Priority Critical

Status Active

Project # SE002

Project Name Trimble Multitrack Target

Division ENGINEERING

Object 5718.000 MINOR EQUIPMENT

Location CITY HALL

Total Project Cost: \$7,000

Description

Targeting head for the Trimble Robotic Total Station. The trimble unit will lock onto any retroreflective item in the vicinity. This head communicates with the total station to eliminate this problem.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					4,000	4,000
Total					4,000	4,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$					3,000	3,000
Total					3,000	3,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					4,000	4,000
Total					4,000	4,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department ENGINEERING

Contact Brad Bateman

Type Equipment

Useful Life 8 years

Category 1102060 RUT-ENGINEERING

Priority Critical

Status Active

Total Project Cost: \$70,000

Project # SE003
Project Name New GPS Unit

Division

Object

Location

Description

Replace GPS head. The unit software will no longer be supported or updated. Repalcement pasrt are no longer available.

Justification

The unit software will no longer be supported or updated. Repalcement pasrt are no longer available.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		35,000				35,000
Total		35,000				35,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$		35,000				35,000
Total		35,000				35,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		35,000				35,000
Total		35,000				35,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department ENGINEERING

Contact Justin Nickel

Type Equipment

Useful Life 10 years

Category 1102060 RUT-ENGINEERING

Priority Critical

Status Active

Total Project Cost: \$33,000

Project # SE0047
Project Name New Total Station

Division

Object

Location

Description

Update equipment used for surveying. Maintenance of battery and software is not cost beneficial. Software updates for the equipment end in mid - year 2019.

Justification

Need for equipment to provide surveying capabilities.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			33,000			33,000
Total			33,000			33,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$			33,000			33,000
Total			33,000			33,000

Budget Impact/Other

Appropriate

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000			33,000			33,000
Total			33,000			33,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department FIRE

Contact

Project # E0041fir

Project Name Fire Hose

Type Equipment

Useful Life 20 years

Category 0301050 CIP-FIRE

Division FIRE

Object 5718.000 MINOR EQUIPMENT

Priority Critical

Location

Status Active

Total Project Cost: \$16,000

Description

Consists of 5 inch supply line, 2 1/2 inch supply and attack line, and 1 3/4 inch attack line.

Justification

Replacement of 20 sections of 5 inch supply line that was purchased in 1998. Currently, the hose is cracking and developing holes.

Replacement of 10 sections of 1/3/4 inch attack line purchased in 2011. Outer jackets have burn holes and rubber inner liners are drying put and cracking.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		16,000				16,000
Total		16,000				16,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND		16,000				16,000
Total		16,000				16,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		16,000				16,000
Total		16,000				16,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department FIRE

Contact

Project # E0042fir
Project Name Thermal Imaging Camera

Type Equipment
Useful Life 5 years
Category 0011050 GEN'L-FIRE PROTE
Priority Very Important
Status Active

Division

Object

Location

Total Project Cost: \$16,400

Description

Hand held thermal imaging cameras designed to be attached to SCBA equipment.

Justification

Thermal imaging technology has improved significantly and the cost of technology has decerased. This equipment is a necessary firefighter safety tool allowing firefighters to detect and locate hidden fires, as well as assist in the location of victims.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		6,400				6,400
Total		6,400				6,400

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
156 - FIRE DEPT DONATIONS		6,400				6,400
Total		6,400				6,400

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		6,400				6,400
Total		6,400				6,400

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department FIRE

Contact

Type Equipment

Useful Life 20 years

Category 0301050 CIP-FIRE

Priority Critical

Status Active

Total Project Cost: \$8,000

Project # E0045fir

Project Name Alumacraft 16' Boat Replacement

Division FIRE

Object 5749.000 OTHER CAPITAL EQ

Location

Description

PURCHASE DATE: 6/11/1997 MFG YEAR: 1997 PURCHASE PRICE: \$2866

Justification

Replacement of current water rescue boat. Current boat is having transom issues and has been reinforced and welded several times. There is concern over the safety of the boat

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				8,000		8,000
Total				8,000		8,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND				8,000		8,000
Total				8,000		8,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				8,000		8,000
Total				8,000		8,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department FIRE

Contact

Type Equipment

Useful Life 10 years

Category 0301050 CIP-FIRE

Priority Critical

Status Active

Total Project Cost: \$8,000

Project # E0049fir

Project Name Dexter T-600 40 lb Washer

Division FIRE

Object 5776.000 BUILDINGS & IMPR

Location

Description

Heavy duty commercial washer used to wash fire gear.

Justification

Removing carcinogens from fire gear is a proven step in reducing firefighter related cancer. Due to the weight of the gear, a heavy duty (40#) commercial extractor washer is required.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				8,000		8,000
Total				8,000		8,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND				8,000		8,000
Total				8,000		8,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				8,000		8,000
Total				8,000		8,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department FIRE

Contact

Type Equipment

Useful Life 6 years

Category 0011050 GEN'L-FIRE PROTE

Priority Very Important

Status Active

Total Project Cost: \$6,500

Project # E0050.1fir
Project Name Copier/Printer

Division FIRE

Object 5718.000 MINOR EQUIPMENT

Location

Description

Replacement of Copier, Scanner, Printer with 6 year lifespan.

Justification

Current copier will have reached its expected life span.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		6,500				6,500
Total		6,500				6,500

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND		6,500				6,500
Total		6,500				6,500

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5702.000 MINOR OFFICE FURN/EQUIP < 5,000		6,500				6,500
Total		6,500				6,500

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department FIRE

Contact

Type Equipment

Useful Life 25 years

Category 0301050 CIP-FIRE

Priority Critical

Status Active

Project # E0053fir

Project Name Burn Trailer Maintenance

Division FIRE

Object 5749.000 OTHER CAPITAL EQ

Location Fire Department, Main building

Total Project Cost: \$7,000

Description

Mobile Burn Trailer. Purchased in 2008 for \$144,000.00 and is installed and used at Marshalltown Community College.

Justification

To extend the useful life of this equipment, maintenance is required. Maintenance required includes work on the protective liner, hinges and doors, and exterior paint.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance		7,000				7,000
Total		7,000				7,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
156 - FIRE DEPT DONATIONS		7,000				7,000
Total		7,000				7,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5410.000: REPAIRS / MAINTENANCE		7,000				7,000
Total		7,000				7,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department FIRE

Contact

Type Equipment

Useful Life 5 years

Category 0301050 CIP-FIRE

Priority Critical

Status Active

Total Project Cost: \$9,500

Project # E0072fir

Project Name Portable Radio Microphones

Division

Object

Location

Description

Portable radio microphones worn outside of firefighting gear.

Justification

Water and heat, over time, lead to failure of the microphones. This project is to replace existing microphones with a higher temperature microphone.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			9,500			9,500
Total			9,500			9,500

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
156 - FIRE DEPT DONATIONS			9,500			9,500
Total			9,500			9,500

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000			9,500			9,500
Total			9,500			9,500

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department FIRE

Contact

Project # V0047fir

Project Name 2013 Chevy Tahoe

Type Equipment

Useful Life 10 years

Category 0301050 CIP-FIRE

Division FIRE

Object 5749.000 OTHER CAPITAL EQ

Priority Very Important

Location Fire Department, Main building

Status Active

Total Project Cost: \$42,000

Description

Replace the exsisting Deputy Chiefs vehicle with another appropriate vehicle. Current vehicle is a 2013 Chevy Tahoe.

Justification

In 2026, this vehicle will have reached its useful life. Based on current mileage, this vehicle will be approaching 100,000 miles This vehicle was used in the Fire Department to run EMS calls from 2014 to 2017. The vehicle was then assigned to the Deputy Chief.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			42,000			42,000
Total			42,000			42,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
156 - FIRE DEPT DONATIONS			42,000			42,000
Total			42,000			42,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000			42,000			42,000
Total			42,000			42,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department FIRE

Contact

Type Equipment

Useful Life 20 years

Category 0301050 CIP-FIRE

Priority Critical

Status Active

Total Project Cost: \$637,988

Project # V0060fir

Project Name Pierce Rescue Pumper #9 Replacement

Division FIRE

Object 5749.000 OTHER CAPITAL EQ

Location

Description

2020 Rescue Pumper is \$637,988

Justification

The new 2020 Pierce Pumper vehicle will be placed in front line service and current E-1 moved to reserve status. The purchase is occurring 4 years early as prices of apparatus are increasing at approximately 5% per year. Purchasing early will save the City \$21,380 with no further large fleet purchases needed for 10 years. Total purchase price including discount is \$637,988.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	637,988					637,988
Total	637,988					637,988

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
032 - CIP LARGE VEHICLE/EQUIPMENT	637,988					637,988
Total	637,988					637,988

Budget Impact/Other

Using 2020A G.O. bond to fund.

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	637,988					637,988
Total	637,988					637,988

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department FIRE

Contact

Type Equipment

Useful Life 25 years

Category 0301050 CIP-FIRE

Priority Critical

Status Active

Total Project Cost: \$995,126

Project # V0062fir

Project Name 110' Aerial Fire Truck

Division FIRE

Object 5749.000 OTHER CAPITAL EQ

Location

Description

2020 Pierce 110' Aerial Platform

Justification

Current vehicle will have been in service for 29 years and replacement parts are becoming difficult to find. City mechanics recommend replacement. Replacement vehicle cost is approximately \$1,028,295 but by paying upfront the City will save \$41,638 bringing the total purchase price to \$986,657. There is an additional cost of \$2250 for traffic signals and \$6218.82 for the bond fees. This is funded with Capital Improvement property tax levy and the 2020A GO Bond . This brings the entire purchase to \$995,125.82.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	995,126					995,126
Total	995,126					995,126

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
032 - CIP LARGE VEHICLE/EQUIPMENT	995,126					995,126
Total	995,126					995,126

Budget Impact/Other

Funded with the Capital Improvements property tax levy and the 2020 GO Bond

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	995,126					995,126
Total	995,126					995,126

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department FIRE

Contact

Project # V0064fir

Project Name Exercise Equipment

Type Equipment

Useful Life 5 years

Category 0301050 CIP-FIRE

Division 19pr

Object 5718.000 MINOR EQUIPMENT

Priority Very Important

Location

Status Active

Total Project Cost: \$37,174

Description

Partial Replacement of existing exercise equipment.

Justification

Replacement of exercise equipment, more specifically cardio equipment including treadmills and ellipitcals.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		6,000			6,000	12,000
Total		6,000			6,000	12,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND		6,000			6,000	12,000
Total		6,000			6,000	12,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department FIRE

Contact

Type Equipment

Useful Life 10 years

Category 0301050 CIP-FIRE

Priority Very Important

Status Active

Total Project Cost: \$25,845

Project # V0068fir
Project Name 2010 Chevy Tahoe

Division

Object

Location

Description
Replacement of 2010 Chevy Tahoe - VIN#IGNUKAE07AR265335 - Purchase date 06/2010 - Purchase price - \$29,439.

Justification
Replacement of staff vehicle. This vehicle is used by the Fire Marshal and other employees for transportation to training as needed.
Vehicle totaled as a result of the 2020 Derecho. Moved to 2021 from 2022.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	25,845					25,845
Total	25,845					25,845

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND	25,845					25,845
Total	25,845					25,845

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	25,845					25,845
Total	25,845					25,845

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department HOUSING

Contact

Type Equipment

Useful Life 8 years

Category 0015030 GEN'L-HOUSING/Ur

Priority Less Important

Status Active

Total Project Cost: \$5,000

Project # E2018

Project Name COPIER: Replace Lanier

Division ADMINISTRATION

Object 5749.000 OTHER CAPITAL EQ

Location HOUSING OFFICE

Description

Replace Lanier copier purchased FYE 2015. - Anticipated replacement date FYE 2023

Justification

Replacing Lanier

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			5,000			5,000
Total			5,000			5,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND			5,000			5,000
Total			5,000			5,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000			5,000			5,000
Total			5,000			5,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department INFORMATION SYSTEMS

Contact

Project # BdyCmraServ
Project Name Body Camera Servers - MPD

Type Equipment
Useful Life 5 years
Category 0016070 GEN'L-DATA PROC

Division
Location

Priority Critical
Status Active

Total Project Cost: \$27,325

Description

Servers to store body camera recordings

FY 18-19 - budget \$15,000, spent \$12,324.71

FY 19-20 - budget \$15,000, did not spend. BDH advises the servers are in good operation. Replacement is advised in 2 years.

FY 21-22 - \$15,000

Justification

This is needed in order to maintain the evidence of body camera footage.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		15,000				15,000
Total		15,000				15,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND		15,000				15,000
Total		15,000				15,000

Budget Impact/Other

N/A

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5740.000: COMPUTER EQUIPMENT =>5,000		15,000				15,000
Total		15,000				15,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department INFORMATION SYSTEMS

Contact

Type Equipment

Useful Life 5 years

Category 0016070 GEN'L-DATA PROC

Priority Important

Status Active

Total Project Cost: \$180,660

Project # E1000

Project Name Staff Computers

Division INFORMATION TECHNOLO

Object 5703.000 MINOR COMPUTER

Location

Description

Replace or upgrade staff computers as deemed necessary (estimate \$1200/each)

Justification

Need new computers or upgrades to continue to perform work. Replacements @ \$1,200 for PC or \$1,500 for Surface Pros. At this price range, should last 4-5 years. Less inexpensive computers may only last 3 years. May also be used to upgrade PC's. Budget 15 computers in FY21, 20 in FY22, 15 in FY23 and 20 in FY24.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	18,000	18,000	18,000	24,000	24,000	102,000
Total	18,000	18,000	18,000	24,000	24,000	102,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND	18,000	18,000	18,000	24,000	24,000	102,000
Total	18,000	18,000	18,000	24,000	24,000	102,000

Budget Impact/Other

Replace/upgrade several every year as needed.

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department INFORMATION SYSTEMS

Contact

Type Equipment

Useful Life 5 years

Category 0306070 CIP-IT DATAPROCE

Priority Very Important

Status Active

Total Project Cost: \$116,856

Project # E3010

Project Name Servers

Division INFORMATION TECHNOLO

Object

Location City Hall

Description

Routine server upgrades and replacements needed to maintain the information technology infrastructure and reliability.

Justification

Routine server upgrades and replacements. A new server is needed when the parking module is implemented.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	12,000	12,000	12,000	12,000	12,000	60,000
Total	12,000	12,000	12,000	12,000	12,000	60,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND	12,000	12,000	12,000	12,000	12,000	60,000
Total	12,000	12,000	12,000	12,000	12,000	60,000

Budget Impact/Other

N/A

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department INFORMATION SYSTEMS

Contact

Type Equipment

Useful Life 5 years

Category 0306070 CIP-IT DATAPROCE

Priority Very Important

Status Active

Total Project Cost: \$55,880

Project # E3282

Project Name Update Mic Office

Division INFORMATION TECHNOLO

Object 5704.000 MINOR SOFTWARE

Location

Description

Update Microsoft Office, so not vulnerable.

Justification

Update Microsoft Office to Version 2016. Support has ended for version 2007 and so it is vulnerable. 101 were upgraded in FY17 at a cost of \$27,180. Upgrade for the remaining 94 licenses @ \$250/each = \$23,500 (split between FY20 & FY21 \$12,000 each year)

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	10,700					10,700
Total	10,700					10,700

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND	10,700					10,700
Total	10,700					10,700

Budget Impact/Other

Stay in compliance with software licensing requirements.

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department INFORMATION SYSTEMS

Contact Michelle Spohnheimer

Project # EnerGov
Project Name EnerGov Updates

Type Equipment

Useful Life 5 years

Category 0306070 CIP-IT DATAPROCE

Division INFORMATION TECHNOLO

Object 5734.000 COMPUTER SOFTW

Priority Critical

Location CITY HALL, MAIN

Status Active

Total Project Cost: \$56,400

Description

EnerGov Updates including Mobile Devices, CSS (Citizen Self Service) and licences.

Justification

Partially required update and adding services for multiple departments

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	56,400					56,400
Total	56,400					56,400

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND	56,400					56,400
Total	56,400					56,400

Budget Impact/Other

\$56,400 is one time fee; annual fee budgeted in the General Fund of \$13,290.

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5741.000: COMPUTER SOFTWARE=>5,000	56,400					56,400
Total	56,400					56,400

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department INFORMATION SYSTEMS

Contact

Type Equipment

Useful Life 5 years

Category 0011010 GEN'L-POLICE AD

Priority Very Important

Status Active

Total Project Cost: \$34,000

Project # Servers
Project Name Tyler Servers

Division

Object

Location

Description

Servers and related licensing for accounting software

Justification

Two servers were purchased in 2016, when the City switched accounting software. Servers usually last between 5-7 years, so we need to budget for replacing them. We estimate \$9,000 for the primary server and \$7,000 for the backup server. An additional \$3,000 for Windows licensing and \$6,000 for SQL database licensing. The plan would be to replace one server with licensing in FY22 and one in FY23.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		18,000	16,000			34,000
Total		18,000	16,000			34,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND		18,000	16,000			34,000
Total		18,000	16,000			34,000

Budget Impact/Other

Need to replace servers and related licensing to keep accounting software running.

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5740.000: COMPUTER EQUIPMENT =>5,000	9,000	7,000				16,000
5741.000: COMPUTER SOFTWARE=>5,000	9,000	9,000				18,000
Total	18,000	16,000				34,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department INFORMATION SYSTEMS

Contact

Type Equipment

Useful Life 5 years

Category 0306070 CIP-IT DATAPROCE

Priority Critical

Status Active

Total Project Cost: \$60,000

Project #	SERVERS-PD
Project Name	SERVERS-PD (Evidence)

Division INFORMATION TECHNOLO

Object 5733.000 COMPUTER EQUIP

Location CITY HALL

Description
FY 15-16 Server equipment TOTAL: \$20,000 Purchase: Watchguard server, serial: 1575237, \$9,375 FY 16-17 Server equipment TOTAL: \$10,000 Purchase: Custom Configured Server, \$9,989.60 FY 19-20 Server equipment TOTAL: \$10,000 (Building project) FY 21-22 Server equipment TOTAL: \$10,000 FY 23-24 Server equipment TOTAL: \$10,000

Justification
The police departments needs for data storage increases significantly each year. The cost estimates listed in this budget are very general and are subject to change as our electronic storage needs evolve.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		10,000		10,000		20,000
Total		10,000		10,000		20,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND		10,000		10,000		20,000
Total		10,000		10,000		20,000

Budget Impact/Other
N/A

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department INFORMATION SYSTEMS

Contact

Type Equipment

Useful Life

Category 0306070 CIP-IT DATAPROCE

Priority Very Important

Status Active

Total Project Cost: \$19,696

Project # **VEH IT**
Project Name **VEHICLE IT EQUIPMENT - MPD**

Division INFORMATION TECHNOLO

Object 5718.000 MINOR EQUIPMENT

Location CITY HALL, DATA PROCES

Description

FY 17-18 NEW: VEHICLE IT EQUIPMENT, \$5,000
Purchased: In-car camera, 3 printers, 2 scanners

FY 19-20 - \$5,000
Purchase: 4 Mobile Cellular Modem/Router \$3,759.84
Purchase: 3 In-Car Printers \$936.18

FY 21-22 - \$5,000

FY 23-24 - \$5,000

Justification

Maintain critically important vehicle IT equipment used for law enforcement reporting functions.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		5,000		5,000		10,000
Total		5,000		5,000		10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND		5,000		5,000		10,000
Total		5,000		5,000		10,000

Budget Impact/Other

Spend \$5,000 every other year to update cameras, printers and scanners.

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department LIBRARY

Contact Justin Nickel

Type Equipment

Useful Life 10 years

Category 1102010 RUT-STR MAINTEN

Priority Critical

Status Active

Project # 11
Project Name Upgraded Automation System

Division

Object 5340.100 CONTRACT - OTHE

Location Library

Total Project Cost: \$185,249

Description

The Library's Integrated Library System (ILS) is the technical backbone of the library. It is used to track books and other materials owned, orders made, bills paid and library users who have checked out materials. Our ILS includes the following components:

Cataloging (classifying and indexing all library materials)

Circulation (tracks all materials borrowed and returned)

OPAC (public online card catalog for library user to locate material)

Justification

The Library's Integrated Library System (ILS) is the technical backbone of the library. It is used to track books and other materials owned, orders made, bills paid and library users who have checked out materials. Our ILS includes the following components:

Cataloging (classifying and indexing all library materials)

Circulation (tracks all materials borrowed and returned)

OPAC (public online card catalog for library user to locate material)

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	17,856	18,392	18,943	19,512	20,097	94,800
Total	17,856	18,392	18,943	19,512	20,097	94,800

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND	17,856	18,392	18,943	19,512	20,097	94,800
Total	17,856	18,392	18,943	19,512	20,097	94,800

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department LIBRARY

Contact

Type Unassigned

Useful Life

Category 0011010 GEN'L-POLICE AD

Priority Not Applicable

Status Active

Total Project Cost: \$80,000

Project # LIB2022

Project Name Library Emergency Generator Project

Division

Object

Location

Description

The Library would like to purchase an emergency generator which would power the library in event of prolonged outage due to weather or other technical issues. In consultation with the Public Works Department, this generator would be diesel powered and would allow the library to function and serve the community during a weather related event such as an ice storm, wind shear or even another tornado.

Justification

In the aftermath of the EF3 tornado that struck Marshalltown on July 19, 2018 a large portable generator was delivered to the library on the next day which allowed the library to be up and running by that same day. During that weekend period, City Hall staff were able to move their operations to the library for the next month while repairs were done to their building. Prior to this event, library and public works staff have been planning to propose a large scale generator for the library in case of a prolonged outage.

A generator would allow the library to operate as a community assistance center when another event happens to our town. Having power would allow community members to charge electronic devices, obtain information and contact family members. If necessary, city staff could again occupy library space if needed. In case of a FEMA type disaster, community members could begin the online process of working with FEMA and their insurance companies.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		80,000				80,000
Total		80,000				80,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
031 - BUILDING MAINTENANCE		80,000				80,000
Total		80,000				80,000

Budget Impact/Other

Public Works feels that such a generator and installation would cost approximate \$80,000. This generator would benefit the community for a number of years and be an essential backup for our residents.

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		80,000				80,000
Total		80,000				80,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department LIBRARY

Contact

Type Unassigned

Useful Life

Category 0014010 GEN'L-LIBRARY

Priority Not Applicable

Status Active

Total Project Cost: \$100,000

Project # LIB2122
Project Name Security Upgrade to RFID

Division

Object

Location

Description

Replace the Library's current circulation and security system with a Radio Frequency Identification system or RFID. The library currently uses Tattle-Tape (security strips) and barcodes to identify and secure library materials.

Radio frequency identification technology enables the tracking and monitoring of physical items by attaching an RFID tag or transponder to an item. Each tag consists of an internal antenna and a computer chip that stores data. When the tag is scanned or interrogated by a reading device equipped with its own antenna, the tag communicates its data wirelessly via radio waves to the reader.

In libraries, RFID applications are used to automate circulation and collection management tasks. Systems developed by RFID vendors can now check in, sort, and deliver items to a designated shelving cart. Tags affixed to books, periodicals, CDs, DVDs, and other library items identify circulating materials, and readers can be incorporated into staff workstations, patron self-check stations, security gates, shelf readers, book drops, and automated sorting systems.

Justification

Increasing the speed of circulation: RFID has been shown to reduce circulation congestion at both self-check stations, and at the circulation desk, by allowing for stacks of items to be checked out simultaneously. Many librarians believe that reducing circulation waits translates into better customer satisfaction.

RFID offers significant benefits to libraries. Because RFID tags do not require a clear line of sight and allow multiple items to be read in a stack, far less time and human effort are spent on processing materials. Patrons using RFID-enabled self-check stations and automated sorting equipment further free up library staff for essential work. Handheld RFID readers can be moved along the shelving units to read the tags attached to books on the shelves, allowing for more efficient and frequent inventory of the library's collection.

By eliminating the need for the repetitive movements required by traditional barcode scanning technology, RFID can help reduce the incidence of repetitive stress injuries among staff and the costs associated with lost time and workers' compensation payments. Reducing repetitive stress injury: many librarians believe that RFID reduces elements of the circulation activities which may have contributed to repetitive stress complaints. Repetitive stress injury was a special concern in libraries which had to de-sensitize and re-sensitize their materials during circulation and open DVD and video cases to check contents. If RFID reduces item handling, then it should also reduce library repetitive stress problems.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	50,000	50,000				100,000
Total	50,000	50,000				100,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND	25,000	50,000				75,000
170 - LIBRARY GIFT FUND	25,000					25,000
Total	50,000	50,000				100,000

Budget Impact/Other

The Library turned 11 years old on December 22, 2019. The library will need to replace the self-check machine and the original security gates purchased when the library opened in 2008. This was a good time to look at transitioning to RFID for the reasons listed above.

Costs for RFID conversion have been substantially reduced since its introduction for libraries in 1998. We feel by moving to RFID, this will free up existing staff to better serve library patrons.

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	50,000	50,000				100,000
Total	50,000	50,000				100,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department LIBRARY

Contact

Type Unassigned

Useful Life

Category 0014010 GEN'L-LIBRARY

Priority Not Applicable

Status Active

Total Project Cost: \$175,000

Project # LIBVEH
Project Name Mobile Services Outreach Unit

Division

Object

Location

Description

The purchase of this Mobile Outreach Services Unit would allow us to bring out collections, Internet access and digital literacy through hot spots and devices, programming materials, and target resources to the schools, assisted living facilities and community events like the Farmer's Market, 13th Street events, County Fair, etc.

Justification

We will measure our results by keeping the same kinds of data that we would for "in library" use: library card users registered (with a sortable "outreach" field added in our registration system), number of people attending programming and checking out, number of items checked out, reference questions asked.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		175,000				175,000
Total		175,000				175,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND		115,000				115,000
170 - LIBRARY GIFT FUND		60,000				60,000
Total		175,000				175,000

Budget Impact/Other

This project would create annual vehicle maintenance costs, which the Library intends to seek sponsorships for.

The total vehicle cost is \$175,000, of which \$50,000 is targeted for grants and donations to support the purchase cost.

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department LIBRARY

Contact

Type Unassigned

Useful Life

Category 0014010 GEN'L-LIBRARY

Priority Not Applicable

Status Active

Total Project Cost: \$1,675,000

Project # UR4002
Project Name Library Addition

Division

Object

Location

Description

The Library has a need for additional space on the facility to help meet the community's needs for meeting space and provide a separate space for teens. An intitial concept has been developed by FEH.

Justification

The Friends of the Library has donations on hand from the initial construction in 2008 which were meant for an addition to the building. This group would complete a majority of the fundraising for the project as well. The City is proposing to fund \$500,000 of the cost from a General Obligation bond.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction					1,675,000	1,675,000
Total					1,675,000	1,675,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
353 - CAPITAL PROJECTS					1,675,000	1,675,000
Total					1,675,000	1,675,000

Budget Impact/Other

This would increase the operating and facility costs for the building marginally.

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000	1,675,000					1,675,000
Total	1,675,000					1,675,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact

Type Unassigned

Useful Life

Category 0014030 GEN'L-PARKS

Priority Not Applicable

Status Active

Total Project Cost: \$390,000

Project # 19PR009

Project Name Timber Creek Bridge Replacement

Division

Object

Location

Description

The bridge at Timber Creek Park was washed out in September 2018. The replacement is requiring a hydrology study and new footings.

Justification

The recreational path around Timber Creek Park is not completely accessible without the bridge.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction	390,000					390,000
Total	390,000					390,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
360 - 2019 GO BONDS	390,000					390,000
Total	390,000					390,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact Geoff Hubbard

Type Maintenance

Useful Life

Category 0304045 CIP-POOL

Priority Very Important

Status Active

Total Project Cost: \$120,000

Project # 20PR0009

Project Name Aquatic Center Improvements

Division PARKS

Object 5410.000 REPAIRS/MAINT

Location Aquatic Center

Description

Annual Maintenance, Repairs, and Replacement of Aquatic Center items like diving board, pool pumps and motors, deck chairs, lifeguard stands, chemical controllers, etc.

Justification

There is ongoing repairs and replacement of equipment to keep the pool running efficiently.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance	20,000	20,000	20,000	20,000	20,000	100,000
Total	20,000	20,000	20,000	20,000	20,000	100,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND	20,000	20,000	20,000	20,000	20,000	100,000
Total	20,000	20,000	20,000	20,000	20,000	100,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact Geoff Hubbard

Type Maintenance

Useful Life

Category 0304030 CIP-Parks

Priority Very Important

Status Active

Total Project Cost: \$300,000

Project # 20PR002
Project Name Sidewalk and Trail Maintenance

Division PARKS

Object

Location

Description

This project is to replace sections of trails and sidewalks in parks identified as the highest priority areas as identified in the ADA Transition Plan.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance	50,000	50,000	50,000	50,000	50,000	250,000
Total	50,000	50,000	50,000	50,000	50,000	250,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND	50,000	50,000	50,000	50,000	50,000	250,000
Total	50,000	50,000	50,000	50,000	50,000	250,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5348.000: CONTRACT - OTHER	50,000	50,000	50,000			150,000
Total	50,000	50,000	50,000			150,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact Geoff Hubbard

Project # 20PR005
Project Name Anson Park Shelter Improvements

Type Improvement
Useful Life 25 years
Category 0304030 CIP-Parks

Division PARKS

Object 5410.000 REPAIRS/MAINT

Priority Very Important

Location AP

Status Active

Total Project Cost: \$300,000

Description

This project is to make the shelter rentalable year round and will include improvements to the roof, exterior, windows, facia, lighting, and adding HVAC.

Justification

The shelter has a leaky roof and in need of updating.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Planning&Design	30,000					30,000
Construction		270,000				270,000
Total	30,000	270,000				300,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
360 - 2019 GO BONDS	270,000					270,000
Total	270,000					270,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact

Type Equipment

Useful Life

Category 403410 P/R CAP PRJCTS

Priority Very Important

Status Active

Total Project Cost: \$20,000

Project #	20PR006
Project Name	Replace 1998 Mule

Division

Object

Location

Description
Replace 1998 hand me down from WPCP utility vehicle (mu) used for pulling sprayers, hauling materials and during flood events.

Justification
Replace 1998 hand me down from WPCP utility vehicle (mu) used for pulling sprayers, hauling materials and during flood events. This vehicle is almost 20 years old.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		20,000				20,000
Total		20,000				20,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND		20,000				20,000
Total		20,000				20,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	20,000					20,000
Total	20,000					20,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact Geoff Hubbard

Type Improvement

Useful Life

Category 0304030 CIP-Parks

Priority Important

Status Active

Total Project Cost: \$598,267

Project # 20PR007

Project Name West End Park Improvements

Division PARKS

Object 5340.010 CONTRACT-OUTSID

Location West End Park

Description

Improvements were needed to West End Park due to the tornado. When looking at replacing the shelter parks staff looked at the Master Plan and other elements that could be added to the park for improvements. This Phase 1 will include a new performance shelter, ADA accessible sidewalks, stablization of the banks of the creek, and a natural playscape.

Justification

The tornado took down the shelter and damaged the baseball field fence that has been repaired. This project is consistent with the Parks Master Plan.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction	531,767					531,767
Total	531,767					531,767

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
360 - 2019 GO BONDS	598,267					598,267
Total	598,267					598,267

Budget Impact/Other

The funding of \$500,000 is made up of the following sources:

- \$425,000 2019 GO Bond Proceeds
- \$23,267 insurance proceeds
- \$150,000 contribution from 13th Street

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact

Type Unassigned

Useful Life

Category 0014030 GEN'L-PARKS

Priority Not Applicable

Status Active

Total Project Cost: \$213,000

Project # 21ColAlley
Project Name Pickleball Pocket Park

Division

Object

Location

Description

The area behind City Hall/Carnegie Building needs to be restored to a functional space that can provide a benefit to Downtown Marshalltown. This project includes many facets to make this space a destination for recreation and accessibility while also enhancing the experience of those visiting the Coliseum.

The scope of the project includes installation a pickleball court and a walkable alley to include lighting, public art, stormwater improvements, benches and other fixtures, and repairing/replacing the existing asphalt in the alley and parking area.

Justification

This is an area that has not had a lot of attention since the tornado. With the opening of the Coliseum in late 2020, we want to provide an aesthetic enhancement to the area while creating a place for people to gather and recreate while also handling a large amount of stormwater in the area.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Planning&Design	21,550					21,550
Construction	191,450					191,450
Total	213,000					213,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND	105,000					105,000
110 - ROAD USE TAX \$	28,770					28,770
132 - MISC CAPITAL GRANTS	28,000					28,000
740/741 - STORM WATER	51,239					51,239
Total	213,009					213,009

Budget Impact/Other

The project is estimated to cost \$213,000, including design, with the following breakdown of sources:

CIP Fund: \$105,000

Grants: \$28,000

Stormwater: \$51,230

RUTF: \$28,770

A contract with CGA for design services has been approved for \$21,550.

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact Geoff Hubbard

Type Improvement

Useful Life

Category 0014030 GEN'L-PARKS

Priority Important

Status Active

Total Project Cost: \$500,000

Project #	21PR001
Project Name	Trail Replacement Project

Division

Object

Location

Description	
The City has over 20 miles of asphalt trails that are in need of repair or replacement. Replacing sections of the trail with concrete is preferred and will do as many lineal feet as can be done each year.	

Justification	
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Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction	500,000					500,000
Total	500,000					500,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
360 - 2019 GO BONDS	250,000					250,000
362 - 2020A GO Bond Projects	250,000					250,000
Total	500,000					500,000

Budget Impact/Other	
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City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact Geoff Hubbard

Type Improvement

Useful Life

Category 0014030 GEN'L-PARKS

Priority Important

Status Active

Total Project Cost: \$900,000

Project # 21PR002
Project Name Parking Lot Replacement - 6th St Complex

Division

Object

Location

Description

The 6th Street Softball Complex Parking lot is in need of replacement. The City will be constructing improvements to the west side of the parking lot in 2021.

Phase 2 is for the replacement of the east side of the existing parking lot as well as some additional pavement for a future Iowa River's Edge Trail trailhead.

Justification

By including pavement for the trailhead in the original phase 2 of the parking lot saves on mobilization and design costs by constructing the additional piece at the same time as the existing parking lot project.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction	375,000	525,000				900,000
Total	375,000	525,000				900,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
353 - CAPITAL PROJECTS		525,000				525,000
362 - 2020A GO Bond Projects	375,000					375,000
Total	375,000	525,000				900,000

Budget Impact/Other

The long-term outlook had identified \$375,000 as necessary for the east side of the parking lot for MSA. The additional scope adds another \$150,000 to the project. The proposed funding source is general obligation bonds.

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact

Type Equipment

Useful Life

Category 403410 P/R CAP PRJCTS

Priority Very Important

Status Active

Total Project Cost: \$110,000

Project # 21PR003
Project Name Elks Park Improvements

Division

Object

Location

Description

Elk Park, a priority park, is in need of some updates to enhance the usability of the park. Improvements include new playground equipment, sidewalks, park sign and retaining wall repairs.

Justification

This addresses repair and maintnance issues and is a recommendation of the Master Plan.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		110,000				110,000
Total		110,000				110,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND		110,000				110,000
Total		110,000				110,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		110,000				110,000
Total		110,000				110,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact

Type Equipment

Useful Life

Category 403410 P/R CAP PRJCTS

Priority Important

Status Active

Total Project Cost: \$30,000

Project # 21PR006
Project Name Replace 2001 Truck

Division

Object

Location

Description

Replace 2001 Chevy Silverado 1/2 ton with a new truck.

Justification

We need to keep up our fleet replacements on track for safety reasons and for a sense of pride in our city not to be driving junk.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	30,000					30,000
Total	30,000					30,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND	30,000					30,000
Total	30,000					30,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	30,000					30,000
Total	30,000					30,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact

Type Unassigned

Useful Life

Category 0014030 GEN'L-PARKS

Priority Not Applicable

Status Active

Total Project Cost: \$25,000

Project #	21PR728
Project Name	Replace Mower and Snow Equipment

Division

Object

Location

Description
Replace 728 mower and snow removal equipment -this uni used for snow removal on viaducts

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	25,000					25,000
Total	25,000					25,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND	12,500					12,500
110 - ROAD USE TAX \$	12,500					12,500
Total	25,000					25,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact Geoff Hubbard

Type Unassigned

Useful Life

Category 0304030 CIP-Parks

Priority Not Applicable

Status Active

Total Project Cost: \$22,000

Project # 22PR002
Project Name Replace Mower 823

Division PARKS

Object

Location

Description

Replacement of mowers every 8 years

Justification

Replacement of mowers every 8 years

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			22,000			22,000
Total			22,000			22,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND			22,000			22,000
Total			22,000			22,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact Geoff Hubbard

Type Unassigned

Useful Life

Category 0304030 CIP-Parks

Priority Not Applicable

Status Active

Total Project Cost: \$50,000

Project # 22PR003

Project Name Replace Tool Cat 732

Division PARKS

Object

Location

Description

Replacement of mowers every 8 years

Justification

Replacement of mowers every 8 years

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		50,000				50,000
Total		50,000				50,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND		50,000				50,000
Total		50,000				50,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact Geoff Hubbard

Type Unassigned

Useful Life

Category 0304030 CIP-Parks

Priority Not Applicable

Status Active

Total Project Cost: \$36,000

Project # 22PR004

Project Name Replace Tractor Mower 713

Division PARKS

Object

Location

Description

Replacement of mowers every 8 years. Includes mower, cab and broom

Justification

Replacement of mowers every 8 years. Includes mower, cab and broom

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		36,000				36,000
Total		36,000				36,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND		22,000				22,000
110 - ROAD USE TAX \$		14,000				14,000
Total		36,000				36,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact Geoff Hubbard

Type Unassigned

Useful Life

Category 0304030 CIP-Parks

Priority Not Applicable

Status Active

Total Project Cost: \$10,000

Project # 22PR005

Project Name Wood Fiber and Plastic Timbers

Division PARKS

Object

Location

Description

Order wood fiber for fall surfacing in playgrounds and replace old wooden timbers with plastic to hold in wood fiber surfacing.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance		10,000				10,000
Total		10,000				10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND		10,000				10,000
Total		10,000				10,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact Geoff Hubbard

Type Improvement

Useful Life

Category 0304030 CIP-Parks

Priority Important

Status Active

Total Project Cost: \$235,000

Project #	22PR006
Project Name	Kiwanis Park Improvements

Division PARKS

Object

Location

Description
Replace the basketball court at Kiwanis Court

Justification
The asphalt court at Kiwanis has numerous cracks and holes in the court and needs to be replaced

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction			235,000			235,000
Total			235,000			235,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
353 - CAPITAL PROJECTS			235,000			235,000
Total			235,000			235,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact Geoff Hubbard

Type Improvement

Useful Life

Category 0014030 GEN'L-PARKS

Priority Important

Status Active

Total Project Cost: \$500,000

Project # 23PR004
Project Name Splash Pad

Division

Object

Location

Description

Adding a splash pad would add to the quality of life for the community and is consistent with the Parks Master Plan. No location is determined at this point but would look at existing parks or other locations to determine the best site for this project

Justification

Adding a splash pad would add to the quality of life for the community and is consistent with the Parks Master Plan.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction				500,000		500,000
Total				500,000		500,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
353 - CAPITAL PROJECTS				500,000		500,000
Total				500,000		500,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact Geoff Hubbard

Type Unassigned

Useful Life

Category 0304030 CIP-Parks

Priority Not Applicable

Status Active

Total Project Cost: \$40,000

Project #	23PR007
Project Name	Replace Truck 811 and Snow Blade

Division PARKS

Object

Location

Description
Replace Truck 811 and Snow Blade

Justification
Replace trucks every 10 years

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			40,000			40,000
Total			40,000			40,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND			40,000			40,000
Total			40,000			40,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact Geoff Hubbard

Type Unassigned

Useful Life

Category 0304030 CIP-Parks

Priority Not Applicable

Status Active

Total Project Cost: \$25,000

Project #	23PR008
Project Name	Replace Mower 712

Division PARKS

Object

Location

Description
Replace Mower 712, mower only

Justification
Replacement of mowers every 8 years.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			25,000			25,000
Total			25,000			25,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND			25,000			25,000
Total			25,000			25,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact

Type Improvement

Useful Life

Category 0304030 CIP-Parks

Priority Very Important

Status Active

Total Project Cost: \$500,000

Project # 23PR009
Project Name Riverview Park Improvements

Division

Object

Location

Description

River Park is one of the most used parks in our system. It is also the entrance to Marshalltown coming from the north. This project includes a new entrance sign, Woodland Street restroom replacement, Reunion Hall Playground, open air shelter replacement, replace the volleyball court, and improvements to the Log Cabin.

Justification

These improvements are included in the Parks & Recreation Master Plan

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction		500,000				500,000
Total		500,000				500,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
353 - CAPITAL PROJECTS		500,000				500,000
Total		500,000				500,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5342.000: CONTRACT- OUTSIDE HELP		500,000				500,000
Total		500,000				500,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact

Type Improvement

Useful Life

Category 0014030 GEN'L-PARKS

Priority Important

Status Active

Total Project Cost: \$120,000

Project # 23PR010
Project Name Peterson Park Improvements

Division PARKS

Object

Location

Description

Peterson Park has play equipment over 15 years and needs replaced. Additional sidewalks and lighting is needed to make the park more accessible. The project would include a new entrance sign.

Justification

This project was identified as a priority park in the Parks Master Plan.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction			120,000			120,000
Total			120,000			120,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND			120,000			120,000
Total			120,000			120,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact

Type Improvement

Useful Life

Category 0014030 GEN'L-PARKS

Priority Important

Status Active

Total Project Cost: \$600,000

Project # 23PR011

Project Name West End Park Improvements Phase II

Division PARKS

Object

Location

Description

The second phase of the westend project includes the parking lot, restroom/concession/tornado shelter building and other site amenities

Justification

The West End Park project was approved by Council in September 2019 and is consistent with recommendations in the Parks Master Plan

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction			600,000			600,000
Total			600,000			600,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
353 - CAPITAL PROJECTS			600,000			600,000
Total			600,000			600,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact Geoff Hubbard

Type Improvement

Useful Life

Category 0014030 GEN'L-PARKS

Priority Important

Status Active

Total Project Cost: \$50,000

Project # 24PR001

Project Name Parks Wayfinding Signs

Division PARKS

Object 5340.010 CONTRACT-OUTSID

Location

Description

The Parks Master Plan calls out for uniform signage at the parks in accordance with the City Wayfinding Sign Plan. This would allow for 10 signs to be placed in parks.

Justification

This project addresses issues in the parks master plan with accessibility and access, along with the City's master wayfinding plan.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction				50,000		50,000
Total				50,000		50,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND				50,000		50,000
Total				50,000		50,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact Geoff Hubbard

Type Unassigned

Useful Life

Category 0304030 CIP-Parks

Priority Not Applicable

Status Active

Total Project Cost: \$40,000

Project #	24PR003
Project Name	Replace Truck 813 - 1 Ton Truck w/box

Division PARKS

Object

Location

Description
Replace Truck 813 - 1 Ton Truck w/box

Justification
Truck 813 is over 10 years old and should be replaced

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				40,000		40,000
Total				40,000		40,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND				40,000		40,000
Total				40,000		40,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact Geoff Hubbard

Type Unassigned

Useful Life

Category 0011010 GEN'L-POLICE AD

Priority Not Applicable

Status Active

Total Project Cost: \$40,000

Project #	24PR004
Project Name	Replace Mower 714 w/Snow Equipment

Division PARKS

Object

Location

Description
Replace Mower 714 w/Snow Equipment

Justification
Replace mowers every 8 years and include snow removal equipment for downtown and library sidewalks

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				40,000		40,000
Total				40,000		40,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND				25,000		25,000
110 - ROAD USE TAX \$				15,000		15,000
Total				40,000		40,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact Geoff Hubbard

Type Equipment

Useful Life

Category 0304030 CIP-Parks

Priority Very Important

Status Active

Project # 24PR005

Project Name Timber Creek Park equipment

Division PARKS

Object

Location

Total Project Cost: \$70,000

Description

Remove old playground equipment at Peterson Park and add new equipment and pave access to recreation trail (Trailhead Park) as per Master Plan.

Justification

This is a trailhead park and needs to have appropriate amenities as per the Master Plan.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				70,000		70,000
Total				70,000		70,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND				70,000		70,000
Total				70,000		70,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000			70,000			70,000
Total			70,000			70,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact Geoff Hubbard

Type Improvement

Useful Life

Category 0014030 GEN'L-PARKS

Priority Important

Status Active

Total Project Cost: \$150,000

Project # 25PR001
Project Name BPW Park Improvements

Division PARKS

Object 5340.010 CONTRACT-OUTSID

Location

Description

The Park and Rec Master Plan called out several priority parks that need improvements including lighting, amenities, sidewalks, and signage. This project will address all of those.

Justification

Address priority park improvements to BPW Park per the Park & Rec Master Plan.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Planning&Design					30,000	30,000
Construction					120,000	120,000
Total					150,000	150,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND					150,000	150,000
Total					150,000	150,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact Geoff Hubbard

Type Improvement

Useful Life

Category 0014030 GEN'L-PARKS

Priority Important

Status Active

Total Project Cost: \$50,000

Project # 25PR002

Project Name Lawrence Park Improvements

Division PARKS

Object 5340.010 CONTRACT-OUTSID

Location

Description

The Park & Rec Master Plan called for improvementst to several parks including Lawerence Park to address accessibility, lighting, and updating the features like the play equipment and basketball court.

Justification

The Park & Rec Master Plan called for improvements to several parks including Lawerence Park.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction					50,000	50,000
Total					50,000	50,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND					50,000	50,000
Total					50,000	50,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact

Type Maintenance

Useful Life 20 years

Category 0304030 CIP-Parks

Priority Critical

Status Active

Total Project Cost: \$15,000

Project # L2966

Project Name Timbercreek Fishing Dock

Division

Object 5749.000 OTHER CAPITAL EQ

Location TCP

Description

replace any of floating fish dock First purchased 2001 @ \$8297 each

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			15,000			15,000
Total			15,000			15,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND			15,000			15,000
Total			15,000			15,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000			10,000			10,000
Total			10,000			10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact

Type Maintenance

Useful Life 15 years

Category 0304030 CIP-Parks

Priority Critical

Status Active

Total Project Cost: \$15,000

Project # L2973

Project Name Goldfinch fishing dock

Division

Object 5749.000 OTHER CAPITAL EQ

Location GWP

Description

small fishing dock replacement. First purchased 2001 @ \$8297 each

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			15,000			15,000
Total			15,000			15,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND			15,000			15,000
Total			15,000			15,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000			10,000			10,000
Total			10,000			10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact

Type Maintenance

Useful Life 15 years

Category 0304030 CIP-Parks

Priority Critical

Status Active

Total Project Cost: \$15,000

Project # L3051

Project Name Glenwood fishing dock

Division

Object 5749.000 OTHER CAPITAL EQ

Location GWP

Description

Fishing pier with gangway replacement. First purchased 2001 @ \$8297 each

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			15,000			15,000
Total			15,000			15,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND			15,000			15,000
Total			15,000			15,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000			10,000			10,000
Total			10,000			10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact

Type Unassigned

Useful Life

Category 0014030 GEN'L-PARKS

Priority Not Applicable

Status Active

Total Project Cost: \$684,000

Project # MHSTen20
Project Name Tennis Court Reconstruction

Division

Object

Location

Description

The City and the Marshalltown Community School District jointly constructed 8 tennis courts in 1974 and have continued to share maintenance and repair costs since that time. MCSD is proposing a new shared project to reconstruct the 8 existing courts into 6 new courts and to add a restroom/entrance area and a storage building. The project could also include a lighted parking lot off of 2nd Street for the facility.

Justification

The City and MCSD have jointly constructed and maintained a tennis facility in the past.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction	684,000					684,000
Total	684,000					684,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
362 - 2020A GO Bond Projects	684,000					684,000
Total	684,000					684,000

Budget Impact/Other

This would be funded with GO bonds.

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact

Type Equipment

Useful Life 15 years

Category 0304030 CIP-Parks

Priority Critical

Status Active

Project # TR709

Project Name 1999 New Holland TS100 709

Division

Object 5749.000 OTHER CAPITAL EQ

Location SHOP

Total Project Cost: \$50,000

Description

PURCHASED NEW, CURRENT HOURS 50, EXCELLENT CONDITION, TRACTOR USED IN PARK WORK AND FLOOD CONTROL AREAS. COST: \$50000 PURCHASE DATE: 7/26/1999 MFG YEAR: 1999 PURCHASE PRICE: \$33500 Current hours 1535 used 378 this year.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				50,000		50,000
Total				50,000		50,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND				50,000		50,000
Total				50,000		50,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact

Type Unassigned

Useful Life

Category 0014030 GEN'L-PARKS

Priority Not Applicable

Status Active

Total Project Cost: \$600,000

Project # TRL1
Project Name Trail Connection- Freedom Rock to Skate Park

Division

Object

Location

Description

This project seeks to construct new trail segments to connect the Freedom Rock to the Crosby Park trail and from Wayward Social to the Skate Park. This includes the rehabilitation of the existing bridge over Linn Creek.

Justification

The easiest way to provide businesses near a trail which residents and visitors would utilize is to make a new connection versus expecting a new business to

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction		600,000				600,000
Total		600,000				600,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
353 - CAPITAL PROJECTS		600,000				600,000
Total		600,000				600,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact

Type Unassigned

Useful Life

Category 0014030 GEN'L-PARKS

Priority Not Applicable

Status Active

Total Project Cost: \$975,000

Project # TRL2023

Project Name River's Edge Trailhead

Division

Object

Location

Description

This project is to construct a trail head for the Iowa River's Edge Trail at the MSA Softball Complex and Skate Park. This project was identified as a key placemaking project in the Placemaking Plan for the River's Edge Trail and will serve residents and visitors using the Linn Creek Trail system, MSA, and Skatepark as well.

Justification

This project provides a new amenity to Marshalltown's park system which serves a number of different park and trail users. There is not currently a restroom available at the Skate Park, so this will make that space more user friendly while providing a resting point along the Linn Creek Trail and the ultimate starting/stopping destination for the River's Edge Trail.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Planning&Design		125,000				125,000
Construction			850,000			850,000
Total		125,000	850,000			975,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
353 - CAPITAL PROJECTS			975,000			975,000
Total			975,000			975,000

Budget Impact/Other

This project does have strong potential for outside funding. Trails Inc. has \$200,000 to dedicate to a trail head, and this is a strong candidate for the City to apply for funding from Iowa Great Places, likely at \$300,000. The remainder (\$475,000) would be proposed to be a general obligation bond and other grants that could be available.

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PARK & RECREATION

Contact

Type Unassigned

Useful Life

Category 0014030 GEN'L-PARKS

Priority Not Applicable

Status Active

Total Project Cost: \$5,351,674

Project # UR4003
Project Name Coliseum Renovation

Division

Object

Location

Description

This project is for a renovation of the Coliseum based upon the feasibility study completed in 2017. Planning and design started in fiscal year 2018, but was quickly put on hold due to significant damage caused by the July 19th tornado. The project has been awarded to Garling Construction for \$3,469,000. The City also has contracts with GTG and CPPI for professional services related to the project. Construction started in January 2020 and is estimated to be completed by October 2020.

Justification

The Coliseum is the City's only indoor recreational facility. It currently has large amounts of space which are underutilized or not accessible. The facility is not ADA compliant, limiting some of the potential community uses. The feasibility study transforms the space to include 2 full size gyms, increasing the capacity for rentals and programming.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction	2,908,580					2,908,580
Total	2,908,580					2,908,580

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
383 - COLISEUM REVITALIZATION	2,908,580					2,908,580
Total	2,908,580					2,908,580

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5230.000: CONSULTING & PROFESSIONAL FEES	75,000					75,000
5776.000: BUILDINGS & IMPROVEMENTS=>5,000	1,477,740					1,477,740
Total	1,552,740					1,552,740

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department POLICE

Contact

Type Equipment

Useful Life 3 years

Category 0301010 CIP- POLICE

Priority Critical

Status Active

Total Project Cost: \$135,000

Project # **BODY CAMERA**
Project Name **BODY CAMERAS**

Division

Object 5718.000 MINOR EQUIPMENT

Location

Description
FY 16-17 - Cameras \$15,000 Purchased: 15 cameras, docking station
FY 17-18 - Cameras \$15,000 Purchased: 2 docking stations, ProServ-Standard Setup
FY 18-19 - moved to IT.
FY 19-20 - Body camera equipment \$15,000 Budget applied towards purchase of 10 WatchGuard Vista XLT DVR, charging bases
FY 20-21 - Body camera equipment \$15,000
FY 21-22 - Body camera equipment \$15,000
FY 21-22 - Body camera equipment \$15,000
FY 23-24 - Body camera equipment \$15,000
FY 24-25 - Body camera equipment \$15,000
FY 25-26 - Body camera equipment \$15,000

Justification
This is a city council implement equipment program. Funds will be used to maintain body cameras and data storage capabilities.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	15,000	15,000	15,000	15,000	15,000	75,000
Total	15,000	15,000	15,000	15,000	15,000	75,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND	15,000	15,000	15,000	15,000	15,000	75,000
Total	15,000	15,000	15,000	15,000	15,000	75,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5718.000: MINOR EQUIPMENT <5,000	15,000	15,000	15,000	15,000	15,000	75,000

City Capital Plan Equipment Replacment		FY '21 thru FY '25				Department	POLICE
City of Marshalltown, Iowa						Contact	
Total		15,000	15,000	15,000	15,000	15,000	75,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department POLICE

Contact

Type Equipment

Useful Life 5 years

Category 0301010 CIP- POLICE

Priority Very Important

Status Active

Total Project Cost: \$34,000

Project #	COPIERS
Project Name	COPIER REPLACEMENT

Division

Object

Location

Description	
ORIGINAL PURCHASES: (Budgeted \$8500 per machine) Records - Lanier IMC300, #3109R900130, \$4588.50 Patrol - Lanier IMC300, #3109R200096, \$4588.50 Detectives - Lanier IMC300, #3109R100395, \$4588.50 Administration - Lanier IMC300, #3109R100318, \$4588.50 Booking - Lanier MPC4503-LD, \$6945.00 NEW PURCHASE: \$34,000 replacement budget for 5 units.	

Justification	
The recommended replacement schedule on this equipment is every 5 years.	

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					34,000	34,000
Total					34,000	34,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND					34,000	34,000
Total					34,000	34,000

Budget Impact/Other	

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					34,000	34,000
Total					34,000	34,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department POLICE

Contact

Type Equipment

Useful Life 5 years

Category 1521010 POLICE UNDESIGN

Priority Important

Status Active

Total Project Cost: \$81,400

Project # GTSB
Project Name GTSB GRANT

Division PATROL

Object 5718.000 MINOR EQUIPMENT

Location

Description
FY 14-15 - Requested \$8850 (1 lidar \$3000, 3 PBT \$1350, Speed Trailer \$4500) Received \$3900 for lidar & 2 PBTs PURCHASED: Truspeed Lidar, serial: TJ003107, \$2315; 2 PBTs, \$898 FY 15-16 - Requested \$16500 (2 moving radars \$3000, 3 in-car video cameras \$13500) PURCHASED: 2 in-car 4RE DVR Cam Systems, \$9,000; 2 radar units, \$3,000 TOTAL \$12,000 FY 16-17 - \$16500 for grant expenditures Received \$8,000 for overtime expenses, no equipment funding FY 17-18 - \$8,000 for grant expenditures Awarded: \$4,500 per in-car camera (2), \$1,500 per radar (1) = \$10,500 FY 18-19 - \$8000 for equipment expenditures Awarded: \$6,000 for 1 radar and 1 in-car camera FY 19-20 - \$8000 for equipment expenditures Received \$8,000 for overtime expenses, no equipment funding. FY 20-21 - \$4,500 for one in-car camera FY 21-22 - \$8000 for equipment expenditures FY 22-23 - \$8000 for equipment expenditures FY 23-24 - \$8000 for equipment expenditures FY 24-25 - \$8000 for equipment expenditures FY 25-26 - \$8000 for equipment expenditures

Justification
GTSB is our traffic safety partnership with the State of Iowa. We apply for annual grants to purchase traffic enforcement equipment, traffic safety training materials, and overtime dollars to fund traffic enforcement projects.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	4,500	8,000	8,000	8,000	8,000	36,500
Total	4,500	8,000	8,000	8,000	8,000	36,500

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
152 - OTHER POLICE GRANTS	4,500	8,000	8,000	8,000	8,000	36,500
Total	4,500	8,000	8,000	8,000	8,000	36,500

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department POLICE
Contact

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5718.000: MINOR EQUIPMENT <5,000	4,500	8,000	8,000	8,000	8,000	36,500
Total	4,500	8,000	8,000	8,000	8,000	36,500

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department POLICE

Contact

Type Equipment

Useful Life 5 years

Category 1511010 LLE BLOCK GRANT

Priority Important

Status Active

Total Project Cost: \$120,144

Project # JAG
Project Name JAG GRANT

Division

Object 5718.000 MINOR EQUIPMENT

Location

Description	Total Project Cost: \$120,144
FY 15 GRANT AWARD: \$18,855 - 50/50 split City/County - PD PORTION: \$9427.50 PURCHASED: 5 Glock Training Pistols \$2310; 2 TASERS, 2 power mags \$2124.80; TASER sim suit \$570; Tactical headset \$750; Camcorder \$899.99	
FY 15-16 - GRANT AWARD: \$19,304 - split city/county PD \$9,652 - Body camera project: hard drives, server components, 6 cameras & software	
FY 16-17 - GRANT AWARD: \$20,625 - split city/county PD \$10,312.50 - Body camera project: charging dock, 9 cameras	
FY 17-18 - Grant expenditures \$9000 AWARDED: \$21,822 - split city/county PD purchased alternate light source \$9,526.41, TASERS \$1,384.59	
FY 18-19 - Grant expenditures \$9000 AWARDED: \$20,765 - split city/county PD purchased Throwbot 2 Base Kit, SearchStick Pole \$10,382.50 (plus seized assets \$5,112.50)	
FY 19-20 - Grant expenditures \$9000 AWARDED: \$18,918 - split city/county PD \$9,459 for target system at range	
FY 20-21 - Grant expenditures \$10,000	
FY 21-22 - Grant expenditures \$10,000	
FY 22-23 - Grant expenditures \$10,000	
FY 23-24 - Grant expenditures \$10,000	
FY 24-25 - Grant expenditures \$10,000	
FY 25-26 - Grant expenditures \$10,000	

Justification
The Byrne JAG grant is awarded annually to agencies to assist with law enforcement equipment and training purchases. These dollars cannot be used to supplant normal operational expenses or equipment purchases. These dollars can only be used to enhance law enforcement initiatives. The amount of the grant varies year to year and is dependant upon your UCR crime statistics. Historically the City of Marshalltown splits the award 50/50 with Marshall County.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	10,000	10,000	10,000	10,000	10,000	50,000
Total	10,000	10,000	10,000	10,000	10,000	50,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
151 - POLICE GRANTS	10,000	10,000	10,000	10,000	10,000	50,000
Total	10,000	10,000	10,000	10,000	10,000	50,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department POLICE
Contact

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5718.000: MINOR EQUIPMENT <5,000	10,000	10,000	10,000	10,000	10,000	50,000
Total	10,000	10,000	10,000	10,000	10,000	50,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department POLICE

Contact

Type Unassigned

Useful Life

Category 1771010 SEIZED ASSETS-PO

Priority Important

Status Active

Total Project Cost: \$103,647

Project # SEIZD ASSET
Project Name MISC SEIZED ASSET ALLOCATION

Division

Object 5718.000 MINOR EQUIPMENT

Location policedept

Description

Miscellaneous Seized Asset Allocation

FY 18-19 - Throwbot \$5112.50 (\$10,382.50 paid by JAG grant)

FY 19-20 - Radio transmission equipment from MHS to PD, \$5,000

*Purchased 7 shotguns \$3,457.97

Justification

The amount of seized assets that we bring in on an annual basis is unpredictable and dependent on several factors outside of our control. Any figures listed in this CIP budget are very rough estimates.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	3,000	3,000	3,000	3,000	3,000	15,000
Total	3,000	3,000	3,000	3,000	3,000	15,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
177 - SEIZED ASSETS	3,000	3,000	3,000	3,000	3,000	15,000
Total	3,000	3,000	3,000	3,000	3,000	15,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5718.000: MINOR EQUIPMENT <5,000	3,000	3,000	3,000	3,000	3,000	15,000
Total	3,000	3,000	3,000	3,000	3,000	15,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department POLICE

Contact

Project # TACT EQUIP
Project Name TACTICAL EQUIPMENT

Type Equipment
Useful Life 5 years
Category 0301010 CIP- POLICE
Priority Very Important
Status Active

Division

Object 5718.000 MINOR EQUIPMENT

Location Policedept

Total Project Cost: \$24,640

Description

FY 17-18 NEW PURCHASE: Tactical Equipment, COST: \$5,000, SPENT: \$5,000
FY 19-20, COST \$5,000, SPENT: \$4640.42
FY 21-22, COST \$5,000
FY 23-24, COST \$5,000
FY 25-26, COST \$5,000

Justification

This project is for the maintainance and replacement of tactical and special operations safety equipment.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		5,000		5,000		10,000
Total		5,000		5,000		10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND		5,000		5,000		10,000
Total		5,000		5,000		10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5718.000: MINOR EQUIPMENT <5,000		5,000		5,000		10,000
Total		5,000		5,000		10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department POLICE

Contact

Type Equipment

Useful Life 3 years

Category 0301010 CIP- POLICE

Priority Critical

Status Active

Total Project Cost: \$58,738

Project # TASERS

Project Name TASERS

Division

Object 5718.000 MINOR EQUIPMENT

Location

Description

FY 16-17 - 5 TASERS \$6,000 total (Budget revised to \$5000)
Purchased: 4 TASERS, holsters, battery packs \$5,000 (total was \$6030.79)

FY 17-18 - TASERS, COST: \$6,000
Purchased: 5 Class III X2, tactical battery pack, 5 holsters

FY 18-19 - TASERS, COST: \$6,000
Purchased: 4 X2 Tasers, battery packs, cartridges, holsters (total: \$8577 CIP & JAG)

FY 19-20 - TASERS, COST: \$6,000
Purchased: 5 - TASER X2 CEW, \$5737.50

FY 20-21 - TASERS, COST: \$6,000

FY 21-22 - TASERS, COST: \$6,000

FY 22-23 - TASERS, COST: \$6,000

FY 23-24 - TASERS, COST: \$6,000

FY 24-25 - TASERS, COST: \$6,000

FY 25-26 - TASERS, COST: \$6,000

Justification

Electronic control devices are critically important officer safety tools. This project allows us to maintain and replace vital safety equipment.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	6,000	6,000	6,000	6,000	6,000	30,000
Total	6,000	6,000	6,000	6,000	6,000	30,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND	6,000	6,000	6,000	6,000	6,000	30,000
Total	6,000	6,000	6,000	6,000	6,000	30,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25
Department POLICE
Contact

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5718.000: MINOR EQUIPMENT <5,000	6,000	6,000	6,000	6,000	6,000	30,000
Total	6,000	6,000	6,000	6,000	6,000	30,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department POLICE

Contact

Type Unassigned

Useful Life

Category 0301010 CIP- POLICE

Priority Very Important

Status Active

Total Project Cost: \$22,326

Project # TRN EQUIP
Project Name TRAINING EQUIPMENT

Division

Object 5718.000 MINOR EQUIPMENT

Location

Description

FY 17-18 NEW PURCHASE: Training Equipment, COST: \$5,000

FY 19-20: \$5,000

Purchase: Range equipment upgrade \$2325.80

FY 21-22: \$5,000

FY 23-24 \$5,000

FY 25-26 \$5,000

Justification

This project is to maintain training equipment for department use.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		5,000		5,000		10,000
Total		5,000		5,000		10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND		5,000		5,000		10,000
Total		5,000		5,000		10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5718.000: MINOR EQUIPMENT <5,000		5,000		5,000		10,000
Total		5,000		5,000		10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department POLICE

Contact

Project # VEH RPLCMT
Project Name VEHICLE REPLACEMENT

Type Equipment
Useful Life 4 years
Category 0301010 CIP- POLICE
Priority Critical
Status Active

Division PATROL

Object 5749.000 OTHER CAPITAL EQ

Location policedept

Total Project Cost: \$1,432,623

Description

FY 13-14 - Replace 3 marked police vehicles, TOTAL: \$90,000 *Total: \$87,630.27
FY 14-15 - Replace 3 marked police vehicles, TOTAL: \$111,000 *Total: \$102,679.03
FY 15-16 - Replace 3 marked police vehicles, TOTAL: \$120,000 *Total: \$95,629.77
FY 16-17 - Replace 3 marked police vehicles, TOTAL: \$110,000 *Replaced 2 vehicles + costs uncovered by insurance for replacement of totaled vehicle, Total: \$62,598.17

FY 17-18 - Replace 3 marked police vehicles, TOTAL BUDGET: \$120,000, TOTAL SPENT: \$115,851.42
New squad: 2017 Ford Explorer, VIN: 1FM5K8AR9HGD57655 (Trade-in: 2009 Ford Crown Vic, VIN: 2FAHP71V39X126763, \$2,000)
New squad: 2017 Ford Explorer, VIN: 1FM5K8AR7HGD57654 (Trade-in: 2014 Chevrolet Caprice, VIN: 6G3NS5U23EL950466, \$9,500)
New squad: 2017 Ford Explorer, VIN: 1FM5K8AR0HGD57656 (Trade-in: 2014 Chevrolet Caprice, VIN: 6G3NS5U27EL978149, \$9,500)

FY 18-19 - Replace 2 marked police vehicles
Purchase: 2019 Ford Explorer, VIN: 1FM5K8AR7KGA12163 \$39,932.75
Purchase: 2019 Ford Explorer, VIN: 1FM5K8AR9KGA12164 \$45,165.24
Purchase: 2010 Ford F150 (Detective vehicle) \$20,962

FY 19-20 - Replace 3 marked police vehicles, \$120,000. Trade-in to be determined. Estimated trade value \$5,000 per vehicle.
Purchase: 2020 Ford Explorer, VIN: 1FM5K8AW3LGA97042, \$48,336.34 (Car 510)
Purchase: 2020 Ford Explorer, VIN: 1FM5K8AW5LGA97043, \$49,836.34 (Car 527)

FY 20-21 - Replace 3 marked police vehicles, \$125,000. Trade-in to be determined.
Estimated trade value \$5,000 per vehicle.

FY 21-22 - Replace 2 marked police vehicles, \$130,000. Trade-in to be determined. Estimated trade value \$5,000 per vehicle.

FY 22-23 - Replace 3 marked police vehicles, \$130,000. Trade-in to be determined. Estimated trade value \$5,000 per vehicle.

FY 23-24 - Replace 3 marked police vehicles, \$130,000. Trade-in to be determined. Estimated trade value \$5,000 per vehicle.

FY 24-25 - Replace 3 marked police vehicles, \$135,000. Trade-in to be determined. Estimated trade value \$5,000 per vehicle.

FY 25-26 - Replace 3 marked police vehicles, \$135,000. Trade-in to be determined. Estimated trade value \$5,000 per vehicle.

Justification

This project is for fleet maintenance replacement for marked squads. Each replacement will have a trade-in, estimated value of \$5,000.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	125,000	110,000	130,000	130,000	135,000	630,000
Total	125,000	110,000	130,000	130,000	135,000	630,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND	125,000	110,000	130,000	130,000	135,000	630,000
Total	125,000	110,000	130,000	130,000	135,000	630,000

City Capital Plan Equipment Replacment

FY '21 thru FY '25

Department POLICE

City of Marshalltown, Iowa

Contact

Budget Impact/Other

FY 18-19: 2 trade-ins estimated at \$5,000 each.

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department POLICE

Contact

Type Equipment

Useful Life 5 years

Category 0301010 CIP- POLICE

Priority Critical

Status Active

Total Project Cost: \$129,220

Project #	VESTS
Project Name	BODY ARMOR REPLACEMENT

Division

Object 5718.000 MINOR EQUIPMENT

Location policedept

Description
FY 14-15 - Replace 15 body armor, cost: \$10,500 (Replaced 23 vests, \$10,165)
FY 15-16 - Replace 8 body armor, cost: \$5,600 (Replaced 10 vests, \$5,600)
FY 16-17 - Replace 9 body armor, cost \$6,300 (Replaced 7 duty vests, 2 tactical vests)
FY 17-18 - Replace body armor (8 duty, 2 tactical), TOTAL: \$10,000 (Replaced 10 duty vests, 2 tacticals \$7,787.14)
FY 18-19 - Replace body armor (6 duty, 2 tactical), TOTAL: \$8,600 Purchased 4 duty vests, 3 tactical vests \$7788.27
FY 19-20 - Replace body armor (21 duty), TOTAL: \$14,700 Purchased 18 duty vests, 1 tactical vest \$10,030.37
FY 20-21 - Replace body armor (13 duty, 2 tactical), TOTAL: \$13,500
FY 21-22 - Replace body armor (12 duty, 3 tactical), TOTAL: \$15,000
FY 22-23 - Replace body armor (10 duty, 2 tactical), TOTAL: \$11,400
FY 23-24 - Replace body armor (8 duty, 2 tactical), TOTAL: \$10,000
FY 24-25 - Replace body armor (16 duty, 2 tactical), TOTAL: \$16,000
FY 25-26 - Replace body armor (15 duty, 2 tactical), TOTAL: \$15650

Justification
This project is used to maintain required body armor for officer safety. Body armor has an expiration of 5 years from the date it is issued for wear.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	13,500	15,000	11,400	10,000	16,000	65,900
Total	13,500	15,000	11,400	10,000	16,000	65,900

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
030 - CIP FUND	13,500	15,000	11,400	10,000	16,000	65,900
Total	13,500	15,000	11,400	10,000	16,000	65,900

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 *thru* FY '25

Department POLICE
Contact

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PUBLIC WORKS

Contact

Type Improvement

Useful Life 20 years

Category 0012010 GEN'L-STREET MAI

Priority Very Important

Status Active

Total Project Cost: \$1,383,500

Project # 2019DOTHWY14
Project Name Median Improvements- Hwy 14 Olive to La Frenz

Division

Object

Location

Description

The DOT resurfacing project will include a portion of a City project related to the replacement of the current medians with new medians that utilize both landscaping and hardscaping. The scope of the project is only Center Street from La Frenz to Olive Street.

Justification

The DOT is planning their resurfacing project in 2019, which is likely the only opportunity in the next 10-20 years for the City to consider making changes to the medians. The current medians are also in poor condition due to vehicle damage and general deterioration. These are features that many people see as they come and go through Marshalltown and do not contribute currently to a positive image of the City.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction		383,500	383,500	383,500		1,150,500
Total		383,500	383,500	383,500		1,150,500

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$		240,650	383,500	383,500		1,007,650
740/741 - STORM WATER		142,850				142,850
Total		383,500	383,500	383,500		1,150,500

Budget Impact/Other

Road Use Tax Fund is covering the planning and design costs. The DOT has proposed a 3 year repayment plan upon completion and closeout of the project. The estimated cost is project to be \$1,125,000, with \$142,850 attributable to storm sewer improvements.

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5779.000: CAPITAL CONSTRUCT-STREETS		383,500	383,500	383,500		1,150,500
Total		383,500	383,500	383,500		1,150,500

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PUBLIC WORKS

Contact

Type Unassigned

Useful Life

Category 490890 GO CAP PROJ-GEN'L

Priority Not Applicable

Status Active

Total Project Cost: \$1,131,600

Project #	20ParkingLot
Project Name	Parking Lot Renovation- 1st/Church Street

Division

Object

Location

Description	
The parking lot at 1st and Church Streets is one of the most heavily used lots in Downtown. The pavement is not in good condition, and there is no way to intercept any stormwater runoff, which currently sheets across the lot onto Church Street. By using Sponsored Project Funds, this will become a "green" parking lot, using pourous pavers and bioswales to help catch stormwater. This project will also enhance the flow and usage of the lot as well.	

Justification	
This lot is heavily used and would need an overlay at some point. This project goes a step further to address environmental issues related to stormwater as a way to provide both an aesthetic and environmental improvement.	

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction	982,000					982,000
Total	982,000					982,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
381 - CAPITAL ST PROJECTS	672,000					672,000
740/741 - STORM WATER	310,000					310,000
Total	982,000					982,000

Budget Impact/Other	
The funding for this project includes \$500,000 in bond proceeds (borrowed in calendar year 2018), \$290,000 in Sponsored Project Funds, and \$100,000 in grant funds. The remaining projects costs will come from the Stormwater Fund.	

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PUBLIC WORKS

Contact

Type Unassigned

Useful Life

Category 1212010 LOST-STREETS

Priority Not Applicable

Status Active

Total Project Cost: \$2,650,000

Project #	89099012A
Project Name	Capital Projects Designation LOST

Division

Object

Location

Description
Capital Designation to be earmarked for street repair as of FY 2011

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance	0					0
Total	0					0

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
121 - LOCAL OPTION SALES TAX	0					0
Total	0					0

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PUBLIC WORKS

Contact Justin Nickel

Type Maintenance

Useful Life 25 years

Category 0011010 GEN'L-POLICE AD

Priority Critical

Status Active

Total Project Cost: \$1,400,000

Project # BR035410

Project Name South Center St. Viaduct

Division

Object

Location

Description

Includes resetting rockers, repairs/replacement of expansion joints, spot painting corroded superstructure areas near bearings, replacing intake pans on underside of deck, minor class 'A' PCC pathcing deck spalls.

Justification

Maintenance needs to the Center Street viaduct over the UP Railroad.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Planning&Design	150,000	250,000				400,000
Maintenance			500,000	500,000		1,000,000
Total	150,000	250,000	500,000	500,000		1,400,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$	150,000	300,000				450,000
353 - CAPITAL PROJECTS			1,000,000			1,000,000
Total	150,000	300,000	1,000,000			1,450,000

Budget Impact/Other

The initial study is proposed to be funded with Road Use Tax dollars at \$150,000, as well as \$300,000 for the actual development of plans and specs. The construction costs are unknown, but estimated at \$1,000,000 with general obligation bonds as the proposed funding source.

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PUBLIC WORKS

Contact

Type Unassigned

Useful Life

Category 416756 STREET FED GRANT

Priority Not Applicable

Status Active

Total Project Cost: \$6,238,906

Project # CY20EdgExt
Project Name Edgewood Extension

Division

Object

Location

Description

This project is to extend Edgewood Street into City-owned agricultural land in order to make a new north-south 8th Avenue connection with Marion Street. The project will open up more than 45 acres for industrial development while diverting heavy truck traffic prior to Marion Street, helping to reduce traffic-related issues at Marion Street and Highway 14/ North 3rd Avenue. The project will also address stormwater requirements for each new lot.

Justification

This project was a recommendation of the 2018 Highway 14 Corridor Study. The City has been awarded a RISE grant from the Iowa DOT of \$1.6 million towards the project, as well as a \$2.95 million grant from the US Economic Development Administration (EDA).

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Planning&Design	722,235	10,000				732,235
Land Acquisition	15,000					15,000
Construction	868,851	4,557,055				5,425,906
Total	1,606,086	4,567,055				6,173,141

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
121 - LOCAL OPTION SALES TAX	1,000,000	575,950				1,575,950
311 - RISE STREET GRANTS		4,597,191				4,597,191
Total	1,000,000	5,173,141				6,173,141

Budget Impact/Other

More than \$4.5 million has been received from outside federal and state sources, leaving \$1.66 million for the City to cover. This funding is coming from the LOST- Capital funds on-hand.

Engineering/Construction Oversight:
Grant Administration: \$20,000 (Region 6)
Construction:

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PUBLIC WORKS

Contact Justin Nickel

Type Unassigned

Useful Life

Category 489751 CAPITAL STREET PR

Priority Not Applicable

Status Active

Total Project Cost: \$12,000,000

Project # CY22STREET

Project Name STREET IMPROVEMENT PROGRAM

Division

Object

Location

Description

This is a general project for the Street Improvement Program with individual scopes of work by year to be determined.

Justification

The City's pavement condition ratings are low and funds are needed in order to raise this rating.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction		3,000,000	3,000,000	3,000,000	3,000,000	12,000,000
Total		3,000,000	3,000,000	3,000,000	3,000,000	12,000,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
353 - CAPITAL PROJECTS		3,000,000	3,000,000	3,000,000	3,000,000	12,000,000
Total		3,000,000	3,000,000	3,000,000	3,000,000	12,000,000

Budget Impact/Other

The proposed funding source is \$3 million annually to be funded with general obligation bonds.

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PUBLIC WORKS

Contact Jessica Kinser

Type Improvement

Useful Life

Category 0011075 GENL- NUISANCE

Priority Critical

Status Active

Total Project Cost: \$1,087,285

Project # D&D001
Project Name Dilapidated Building Removal

Division

Object

Location

Description

The City's Dangerous and Dilapidated Building program was initially funded by bond funds. This project accounts for the City's planned spending in the current fiscal year and the next four fiscal years based on likely projects to occur.

In FY17, 5 houses were demolished

In FY18, 2 houses were demolished

In FY19, the City did not undertake any demolitions due to the tornado

In FY20 through 12/31/19, 9 houses have been demolished.

This fund is also supporting the City's share of tornado-damaged properties. There are 3 properties which will be demolished in FY20 which were damaged by the tornado. The City anticipates this fund will bear 100% of the cost for any future tornado demolitions, which is likely another 2-5 properties.

Justification

The City has created a program to help stabilize neighborhoods through removal of abandoned and blighted structures. This project is a Council priority.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction	175,000	120,000	120,000	120,000	120,000	655,000
Total	175,000	120,000	120,000	120,000	120,000	655,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
355 - D&D Program	175,000	120,000	120,000	120,000	100,000	635,000
Total	175,000	120,000	120,000	120,000	100,000	635,000

Budget Impact/Other

The Dangerous and Dilapidated Building Program was initially funding through \$250,000 of General Obligation bonds.

The Council has approved a one-time transfer of solid waste fees from the General Fund, which will provide a funding source for a period of time and could provide ongoing funding in the future if remaining solid waste fees are continually transferred each fiscal year.

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PUBLIC WORKS

Contact

Type Unassigned

Useful Life

Category 490750 GO CAP PROJ-STREE

Priority Not Applicable

Status Active

Total Project Cost: \$3,381,011

Project #	EMHPh1
Project Name	East Merle Hibbs- Phase 1 Extension

Division

Object

Location

Description	Total Project Cost: \$3,381,011
This project is to construct approximately 1,500 linear feet of East Merle Hibbs Boulevard, 950 linear feet of South 5th Avenue, and to place a 300 foot long box culvert for future development. McClure Engineering has completed most of the design work, and it is estimated this will be ready to bid in the Spring of 2020, with construction to take place during 2020. If necessary, South 5th Avenue and the box culvert project can be bid at a later time.	

Justification
This project provides a vital connection to a highly dense neighborhood with numerous multi-family housing structures which can currently only be accessed off of Southridge Road. This project also opens up some acres of agricultural land for commercial and residential development.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction	2,581,011					2,581,011
Total	2,581,011					2,581,011

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
360 - 2019 GO BONDS	2,581,011					2,581,011
Total	2,581,011					2,581,011

Budget Impact/Other
The City borrowed \$500,000 for the design work in the 2018 GO Bonds (see fund 381) and another \$4 million for the construction in 2019. Included in the funds in Fund 260- 2019 GO Bonds, is a reimbursement of \$310,000 from Marshalltown Waterworks for the new water infrastructure. In addition, the Road Use Tax Fund will pay for sidewalks and street lights, the Sanitary Sewer Fund will pay for the new sanitary sewer lines and manholes, and the Stormwater Fund will pay for the new stormwater infrastructure.

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5779.000: CAPITAL CONSTRUCT-STREETS	25,810,110					25,810,110
Total	25,810,110					25,810,110

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PUBLIC WORKS

Contact Justin Nickel

Type Unassigned

Useful Life

Category 490750 GO CAP PROJ-STREE

Priority Not Applicable

Status Active

Total Project Cost: \$1,178,757

Project # FEMA1
Project Name Mill and Overlay of Streets with Tornado Impact

Division

Object

Location

Description

The City has an obligated street repair project with FEMA for \$682,000 to mill and overlay streets in the northeast area of the City.

-BROMLEY ST.: N 3RD AVE. - N 7TH AVE.
-WOODBURY ST.: N 3RD AVE. - N 7TH AVE.
-N 4TH AVE.: E STATE ST. - WOODBURY ST.
-N 5TH AVE.: E STATE ST. - WOODBURY ST.
-N 7TH AVE.: E STATE ST. - WOODBURY ST.

In addition to just a mill and overlay, selected curb and gutter and sidewalks will be replaced throughout the construction area with Road Use Tax funds.

Justification

The streets in the impacted area received truck and other heavy equipment traffic which has caused damage. The streets as part of the project are considered local routes and are eligible for the FEMA funding.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction	1,178,757					1,178,757
Total	1,178,757					1,178,757

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$	778,757					778,757
381 - CAPITAL ST PROJECTS	400,000					400,000
Total	1,178,757					1,178,757

Budget Impact/Other

The City is required to fund 15% of the total project, or \$102,300. Sidewalks and curb and gutter are not FEMA eligible costs and will be required to be funded by the City as well. The recommended funding source is Road Use Tax.

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PUBLIC WORKS

Contact

Type Unassigned

Useful Life

Category 0011010 GEN'L-POLICE AD

Priority Not Applicable

Status Active

Total Project Cost: \$7,900,000

Project # Hwy14
Project Name Highway 14 Corridor Improvements

Division

Object

Location

Description

In 2018, the City undertook a study of improvements on the Highway 14 Corridor/3rd Avenue. This was done ahead of a planned project by the DOT to resurface the roadway. What came forward were recommendations for improving the safety and aesthetics by moving curblines in, expanding sidewalks

Justification

This project will enhance the transportation network of the City while creating a safer environment for motorists, cyclists and pedestrians along Highway 14. In addition to enhancing the pavement condition and sidewalk condition, this project will make safety aesthetic improvements as well with new street lights and more green space between the curb and sidewalk and through the Downtown area of 3rd Avenue.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction			7,900,000			7,900,000
Total			7,900,000			7,900,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
353 - CAPITAL PROJECTS			7,900,000			7,900,000
Total			7,900,000			7,900,000

Budget Impact/Other

There are multiple sources proposed for this project:

-Iowa DOT participation: \$1-2 million

-Grants: \$3 million

The City contribution of \$2.9 to 3.9 million is proposed to come from GO Bonds.

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PUBLIC WORKS

Contact

Type Maintenance

Useful Life

Category 1102012 RUT-STREET CONS

Priority Critical

Status Active

Total Project Cost: \$4,075,000

Project # M3170
Project Name Annual Street Resurfacing

Division PROJECTS

Object 5340.230 CONTRACT-ASPHA

Location

Description

Annual resurfacing of various streets identified on the basis of rating of need as part of an ongoing annual program.

Justification

Ongoing pavement maintenance needs

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance	650,000	350,000				1,000,000
Total	650,000	350,000				1,000,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$	350,000	350,000				700,000
360 - 2019 GO BONDS	300,000					300,000
Total	650,000	350,000				1,000,000

Budget Impact/Other

Appropriate

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5350.000: CONTRACT- ASPHALT RESURFACING	350,000	350,000	350,000	350,000		1,400,000
Total	350,000	350,000	350,000	350,000		1,400,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PUBLIC WORKS

Contact

Type Maintenance

Useful Life

Category 1102012 RUT-STREET CONS

Priority Critical

Status Active

Total Project Cost: \$940,000

Project # M3453
Project Name City-wide Bridge Repair

Division PROJECTS

Object 5340.220 CONTRACT-BRIDGE

Location

Description

Annual Bridge Repair Program COST: \$30000 PURCHASE PRICE: \$30000

Justification

Annual allocation for minor bridge repairs, engineering and federal bridge inspection requirements

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance	45,000	90,000	45,000	45,000	45,000	270,000
Total	45,000	90,000	45,000	45,000	45,000	270,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$	45,000	90,000	45,000	45,000	45,000	270,000
Total	45,000	90,000	45,000	45,000	45,000	270,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5340.000: CONTRACT-BRIDGE & CULVERT	45,000	90,000	45,000	45,000	45,000	270,000
Total	45,000	90,000	45,000	45,000	45,000	270,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PUBLIC WORKS

Contact

Type Maintenance

Useful Life

Category 1102012 RUT-STREET CONS

Priority Critical

Status Active

Total Project Cost: \$1,923,126

Project # M3458
Project Name Concrete Repairs

Division PROJECTS

Object 5340.240 CONTRACT-CONCR

Location

Description

Allocation for Annual Concrete Pavement Repairs

Justification

Estimated amount to be spent on concrete pavement repairs annually.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance	173,126	200,000				373,126
Total	173,126	200,000				373,126

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$	173,126	200,000				373,126
Total	173,126	200,000				373,126

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5351.000: CONTRACT- CONCRETE RPR	173,126	200,000	200,000	200,000		773,126
Total	173,126	200,000	200,000	200,000		773,126

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PUBLIC WORKS

Contact Justin Nickel

Type Improvement

Useful Life

Category 1102011 RUT-SIDEWALKS

Priority Critical

Status Active

Total Project Cost: \$692,959

Project # M3655
Project Name Annual ADA Curb Ramp Construction

Division

Object 5340.200 CONTRACT - OTHE

Location

Description

Annual program of the construction of ADA ramps and sidewalks throughout the city with the goal of providing accessible sidewalks.

Justification

ADA Compliance Requirement

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction	75,000	75,000	50,000	50,000	50,000	300,000
Total	75,000	75,000	50,000	50,000	50,000	300,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$	75,000	75,000	50,000	50,000	50,000	300,000
Total	75,000	75,000	50,000	50,000	50,000	300,000

Budget Impact/Other

Appropriate

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5351.000: CONTRACT- CONCRETE RPR	75,000	75,000	50,000	50,000	50,000	300,000
Total	75,000	75,000	50,000	50,000	50,000	300,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PUBLIC WORKS

Contact

Type Unassigned

Useful Life

Category 0012010 GEN'L-STREET MAI

Priority Not Applicable

Status Active

Total Project Cost: \$4,100,000

Project # MCB
Project Name Downtown Implementation Plan

Division

Object

Location

Description

This project is to provide a mill and overlay of Streets from 3rd Street to 3rd Avenue from State to Linn, as well as to replace damaged and broken sidewalks. The project will also look to incorporate streetscaping into the MCB to make the area more inviting to businesses and visitors.

The proposal is to borrow \$200,000 in fiscal year 2021 to hire a consultant to work with the MCB and community to plan for improvements in future fiscal years in a phased approach. The scope of work would involve not only sidewalks, streets, and streetscaping, but would also make proposals on the one-way to two-way conversion for Linn and Church Streets as well as angled parking along Main Street as part of the design work.

Justification

The MCB infrastructure has sustained damage as a result of the tornado and the resulting clean-up. Redevelopment is more likely in an area that has been repaired than one that remains in a dilapidated condition. This is also a significant opportunity to implement recommendations from the Downtown Master Plan.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Planning&Design	100,000					100,000
Construction		1,000,000	1,000,000	1,000,000	1,000,000	4,000,000
Total	100,000	1,000,000	1,000,000	1,000,000	1,000,000	4,100,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
353 - CAPITAL PROJECTS		1,000,000	1,000,000	1,000,000	1,000,000	4,000,000
362 - 2020A GO Bond Projects	100,000					100,000
Total	100,000	1,000,000	1,000,000	1,000,000	1,000,000	4,100,000

Budget Impact/Other

The initial engineering/consulting would be paid for with bond funds. We are also proposing borrowing for a phased implementation (unless recommended otherwise from the consultant).

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PUBLIC WORKS

Contact

Type Unassigned

Useful Life

Category 0012030 GEN'L-STREET LIG

Priority Not Applicable

Status Active

Total Project Cost: \$441,048

Project # MCBDSLt
Project Name Downtown Street Light Replacement

Division

Object

Location

Description

The 2018 tornado destroyed most of the street light-related infrastructure in the downtown area. Alliant Energy and the City have been discussing the replacement of the street lights as a joint project. The work will be completed by Alliant Energy. The City is responsible for the cost of having all the conduit run underground, while Alliant will pay for the cost of the poles and installation. The City will lease back the poles. A lighting study is being performed to determine the number of lights and the placement.

Justification

The street lights need to be replaced for safety purposes. Many of the poles that were damaged had condition issues which are going to be addressed through this project. Many of the lights were fed by overhead wires prior to the tornado. By upgrading to underground conduit, the City is taking a step towards making our infrastructure more resilient in a disaster situation.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction	441,048					441,048
Total	441,048					441,048

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$	441,048					441,048
Total	441,048					441,048

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PUBLIC WORKS

Contact

Type Unassigned

Useful Life

Category 1102011 RUT-SIDEWALKS

Priority Not Applicable

Status Active

Total Project Cost: \$2,075,000

Project # SdwlkGAP
Project Name Sidewalk Gap Projects

Division

Object

Location

Description

In 2018, the City Council undertook a study of the areas in the community where sidewalk gaps exist with the purpose of identifying where the City should seek to install a sidewalk to enhance safety and accessibility.

The first project is the 12th Avenue Sidewalks (see fund 381).

The second year project is for areas around Fisher Elementary and Anson Elementary, \$375,000, including the following scope:

FISHER:

4th Street- East Side, Meadow Ln to Bryngelson

4th Street- East Side, Bryngelson to Pleasantview

4th Street- West Side, Pleasantview to Sunset

Pleasantview- North Side, 4th St to Bryngelson

ANSON

South Street- North Side, from 7th to 12th Avenue

The following years are programmed for budget purposes (subject to change) and are the following:

-FY22- Hogle Elementary area- \$750,000

-FY23- Multiple Areas- \$400,000

-FY24- Palmer/Bohen area- \$550,000

Justification

A lack of sidewalks can create safety issues for pedestrians or cyclists. The areas around elementary schools are prone to having children in the area. Sidewalks also provide connectivity throughout the community, enhancing the quality of life by improving walkability.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction		375,000	750,000	400,000	550,000	2,075,000
Total		375,000	750,000	400,000	550,000	2,075,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
353 - CAPITAL PROJECTS			750,000	400,000	550,000	1,700,000
360 - 2019 GO BONDS		375,000				375,000
Total		375,000	750,000	400,000	550,000	2,075,000

Budget Impact/Other

All projects are proposed for future General Obligation debt. Road Use Tax Funds cannot be used for a sidewalk project unless it is in conjunction with a street maintenance or construction project.

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5779.000: CAPITAL CONSTRUCT-STREETS		375,000	750,000	400,000	550,000	2,075,000
Total		375,000	750,000	400,000	550,000	2,075,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department PUBLIC WORKS

Contact Justin Nickel

Type Unassigned

Useful Life 20 years

Category 1102011 RUT-SIDEWALKS

Priority Not Applicable

Status Active

Total Project Cost: \$740,000

Project # SWALKCY19

Project Name 12TH AVENUE SIDEWALK INSTALLATION

Division

Object

Location

Description

Through a review of sidewalk gaps throughout the community, the area of 12th Avenue extending from Anson Street south to Olive Street, and continuing on Olive Street to 17th Avenue and terminating going north on 17th Avenue, was highlighted as the top priority project due to safety reasons. The City had previously started the engineering of this project, but it was never funded.

Justification

This area has shown the highest occurrence of vehicle and pedestrian accidents versus any other location in Marshalltown. Constructing a sidewalk will enhance the safety of a high number of pedestrians in the area.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction	650,000					650,000
Total	650,000					650,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
381 - CAPITAL ST PROJECTS	650,000					650,000
Total	650,000					650,000

Budget Impact/Other

The City has borrowed the \$900,000 estimated for the project, and it will not impact any operating funds.

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5781.300: LAND IMPROVEMENTS	650,000					650,000
Total	650,000					650,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER

Contact Justin Nickel

Type Maintenance

Useful Life 50 years

Category 528590 WPCP EXP-SANITAR

Priority Critical

Status Active

Project # 59016003
Project Name 2019 CIPP Project

Division

Object

Location

Total Project Cost: \$3,812,000

Description

60,000 linear feet of CIPP. Under this project no manholes would be repaired. It is anticipated a large amount of the 50,000 feet of sewer that is being re-videoed will be included in this project. Manholes rehabilitation will be a separate, later project.

Preliminary Engineering Report submitted to the IDNR by April 15, 2016

Plans submitted to the IDNR by July 15, 2016.

Plans bid by October 2019.

Project awarded by November 2019.

Project Construction December 2019 to December 2020.

The project's total budget is \$2,500,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Planning&Design		312,000				312,000
Maintenance			1,750,000	1,750,000		3,500,000
Total		312,000	1,750,000	1,750,000		3,812,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
616 - SAN SWR REHAB		312,000	1,750,000	1,750,000		3,812,000
Total		312,000	1,750,000	1,750,000		3,812,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5778.000: SANITARY SEWERS		312,000	1,750,000	1,750,000		3,812,000
Total		312,000	1,750,000	1,750,000		3,812,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER

Contact Justin Nickel

Type Improvement

Useful Life 50 years

Category 529590 SANITARY SEWER C

Priority Critical

Status Active

Project # 59018001

Project Name 2020 Manhole Rehabilitation Project

Division

Object

Location

Total Project Cost: \$1,820,000

Description

Rehabilitation of manholes included in the 2016 CIPP project plus rehabilitation of manholes where CIPP was not necessary. Manholes included are those that have the CIPP completed, significant I/I issues, those in poor condition, and manholes that are brick. Approximately 600 manholes will be rehabilitated in this project.

Preliminary Engineering Report submitted to the IDNR by November 15, 2016

Plans submitted to the IDNR by September 1, 2017.

Plans bid by December 2020.

Project awarded by February, 2021.

Project Construction starting March to December 2021

The project's total budget is estimated at \$1230,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Planning&Design				200,000		200,000
Maintenance					810,000	810,000
Total				200,000	810,000	1,010,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
616 - SAN SWR REHAB				200,000	810,000	1,010,000
Total				200,000	810,000	1,010,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5778.000: SANITARY SEWERS				200,000	810,000	1,010,000
Total				200,000	810,000	1,010,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER

Contact

Type Equipment

Useful Life 10 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$15,000

Project # SWR 5000 004

Project Name AIR COMPRESSOR-SANITARY SEWER

Division SANITARY SEWER

Object 5749.000 OTHER CAPITAL EQ

Location 2005000

Description

60-40% SPLIT WITH STORM SEWER FUNDS. PURCHASED IN 2005 FOR \$7,800.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					15,000	15,000
Total					15,000	15,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					9,000	9,000
740/741 - STORM WATER					6,000	6,000
Total					15,000	15,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					15,000	15,000
Total					15,000	15,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER

Contact

Type Equipment

Useful Life 4 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$30,000

Project # SWR 5000 008

Project Name TV TRANSPORTER-SANITARY SEWER

Division SANITARY SEWER

Object 5749.000 OTHER CAPITAL EQ

Location 2005000

Description

PURCHASED IN 2003 FOR \$6,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					30,000	30,000
Total					30,000	30,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					18,000	18,000
740/741 - STORM WATER					12,000	12,000
Total					30,000	30,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					30,000	30,000
Total					30,000	30,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER

Contact Justin Nickel

Type Equipment

Useful Life 10 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Project # VEH 9000 001

Project Name 1 TON DUMP TRUCK #223

Division SANITARY SEWER

Object 5749.000 OTHER CAPITAL EQ

Location 2009000

Total Project Cost: \$40,000

Description

60-40% SPLIT WITH STORM SEWER FUNDS. Anticipated purchase in spring 2021. \$40,000 inlcudes truck and hoist.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	40,000					40,000
Total	40,000					40,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	24,000					24,000
740/741 - STORM WATER	16,000					16,000
Total	40,000					40,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	40,000					40,000
Total	40,000					40,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER

Contact Justin Nickel

Type Equipment

Useful Life 10 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$49,400

Project # VEH 9000 002

Project Name 3/4 TON PICKUP, W/4X4

Division SANITARY SEWER

Object 5749.000 OTHER CAPITAL EQ

Location 2009000

Description

PURCHASED IN JUNE OF 2000 FOR \$13,700. Moved to FY 11 to accommodate Jet truck in '10

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					35,000	35,000
Total					35,000	35,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					21,000	21,000
740/741 - STORM WATER					14,000	14,000
Total					35,000	35,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					35,000	35,000
Total					35,000	35,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER

Contact

Type Equipment

Useful Life 15 years

Category 520590 WPCP EXP-SANITAR

Priority Important

Status Active

Project # VEH 9000 003
Project Name BACKHOE #207

Division SANITARY SEWER

Object 5749.000 OTHER CAPITAL EQ

Location 2009000

Total Project Cost: \$146,000

Description

60-40% SPLIT WITH STORM SEWER FUNDS. TOTAL NEW COST WAS \$49,168. PURCHASED IN 1997. Moved to FY 13 to accommodate Jet Truck in '10

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			95,000			95,000
Total			95,000			95,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND			57,000			57,000
740/741 - STORM WATER			38,000			38,000
Total			95,000			95,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000			95,000			95,000
Total			95,000			95,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER

Contact

Type Equipment

Useful Life 10 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$686,000

Project # VEH 9000 012

Project Name JET VACUUM TRUCK

Division SANITARY SEWER

Object 5749.000 OTHER CAPITAL EQ

Location 2009000

Description

80% OF A NEW JET/VAC (\$250,000) PURCHASED A USED UNIT IN 2001.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		225,000	225,000			450,000
Total		225,000	225,000			450,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		125,000	125,000			250,000
740/741 - STORM WATER		100,000	100,000			200,000
Total		225,000	225,000			450,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		225,000	225,000			450,000
Total		225,000	225,000			450,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER

Contact Justin Nickel

Type Equipment

Useful Life 15 years

Category 528590 WPCP EXP-SANITAR

Priority Important

Status Active

Total Project Cost: \$100,000

Project # VEH 9000 016
Project Name SMALL JET TRUCK

Division

Object

Location

Description

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				100,000		100,000
Total				100,000		100,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				60,000		60,000
740/741 - STORM WATER				40,000		40,000
Total				100,000		100,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				100,000		100,000
Total				100,000		100,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER

Contact Justin Nickel

Type Equipment

Useful Life 10 years

Category 528590 WPCP EXP-SANITAR

Priority Very Important

Status Active

Total Project Cost: \$16,000

Project # VEH 9000 017
Project Name SMALL PICKUP REPLACEMENT

Division

Object

Location

Description

Replace Ford Ranger handed down from Utility Dept, used for Sewer locates

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	16,000					16,000
Total	16,000					16,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	9,600					9,600
740/741 - STORM WATER	6,400					6,400
Total	16,000					16,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	16,000					16,000
Total	16,000					16,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Equipment

Useful Life 15 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Project # LEN 3500 001

Project Name PUMP #1 REPLACEMENT

Division SANITARY SEWER

Object 5718.590 SABUTART SEWER-

Location 2003500

Total Project Cost: \$3,800

Description

REPLACED 1994 AS PART OF THE LENNOX EXPANSION. 1994 PURCHASE PRICE: \$2300 - REPLACED IN 2008 FOR \$3,800.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					3,800	3,800
Total					3,800	3,800

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					3,800	3,800
Total					3,800	3,800

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5718.590: SANITARY SEWER- LIFT STATION					3,800	3,800
Total					3,800	3,800

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Equipment

Useful Life 15 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Project # LEN 3500 002

Project Name PUMP #2 REPLACEMENT

Division SANITARY SEWER

Object 5718.590 SABUTART SEWER-

Location 2003500

Total Project Cost: \$3,800

Description

REPLACED 1994 AS PART OF THE LENNOX EXPANSION. 1994 PURCHASE PRICE: \$2300. REPLACED IN 2008 FOR \$3,800.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					3,800	3,800
Total					3,800	3,800

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					3,800	3,800
Total					3,800	3,800

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5718.590: SANITARY SEWER- LIFT STATION					3,800	3,800
Total					3,800	3,800

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Maintenance

Useful Life 10 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$8,000

Project # MAI 1000 001

Project Name SEAL, CAULK, & PAINT BLOCK

Division SANITARY SEWER

Object 5410.590 REPAIRS/MAINT SA

Location 2001000

Description

PAINT OUTSIDE AND EQUIPMENT INSIDE COST: \$2700 in 1995

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance			8,000			8,000
Total			8,000			8,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND			8,000			8,000
Total			8,000			8,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5410.590: REPAIRS /MAINT SANITARY SWR LIFT STATION			8,000			8,000
Total			8,000			8,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Equipment

Useful Life 40 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Project # MAI 1000 002

Project Name PUMP #1 REPLACEMENT-E MAIN LIFT STATION

Division SANITARY SEWER

Object 5765.000 LIFT STATIONS >5,0

Location 2001000

Total Project Cost: \$26,000

Description

PURCHASED IN 1974. To replace with Flygt Wet pit-Drypit pumps, new valves and piping changes. Project estimated at \$16000 per pump.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		26,000				26,000
Total		26,000				26,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		26,000				26,000
Total		26,000				26,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5765.000: LIFT STATIONS =>5,000		26,000				26,000
Total		26,000				26,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Maintenance

Useful Life 10 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$3,000

Project # MAI 1000 003
Project Name PUMP #1 REBUILD

Division SANITARY SEWER

Object

Location 2001000

Description

Rebuild in 1995 for \$3000

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance					3,000	3,000
Total					3,000	3,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					3,000	3,000
Total					3,000	3,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5614.590: OPERATING SUPPLY - LIFT STATIONS					3,000	3,000
Total					3,000	3,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Equipment

Useful Life 40 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$26,000

Project # MAI 1000 004

Project Name PUMP #2 REPLACEMENT-E MAIN LIFT STATION

Division SANITARY SEWER

Object 5765.000 LIFT STATIONS >5,0

Location 2001000

Description

PURCHASED IN 1974. EST COST \$6,000

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		26,000				26,000
Total		26,000				26,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		26,000				26,000
Total		26,000				26,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5765.000: LIFT STATIONS =>5,000		26,000				26,000
Total		26,000				26,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Equipment

Useful Life 15 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$40,000

Project # MAI 1000 007

Project Name TELEMETRY UPGRADE-E MAIN SIFT STATION

Division SANITARY SEWER

Object 5765.000 LIFT STATIONS >5,0

Location 2001000

Description

RADIO TELEMETRY PURCHASED IN 2003 FOR \$18,000. RADIO UPGRADE=\$13000

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			25,000			25,000
Total			25,000			25,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND			25,000			25,000
Total			25,000			25,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5765.000: LIFT STATIONS =>5,000			25,000			25,000
Total			25,000			25,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Equipment

Useful Life 15 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$4,200

Project # MAI 1000 008

Project Name LEVEL CONTROLLER

Division SANITARY SEWER

Object 5718.590 SABUTART SEWER-

Location 2001000

Description

Purchased in 2002 for \$1800. FAILURE IN SEPT. 2009 - REPLACED FOR \$2,100.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					2,100	2,100
Total					2,100	2,100

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					2,100	2,100
Total					2,100	2,100

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5718.590: SANITARY SEWER- LIFT STATION					2,100	2,100
Total					2,100	2,100

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Equipment

Useful Life 15 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$1,800

Project # MAR 2000 003
Project Name LEVEL CONTROLLER

Division SANITARY SEWER

Object

Location 2002000

Description

Purchased in 1991 for \$1800.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	1,800					1,800
Total	1,800					1,800

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	1,800					1,800
Total	1,800					1,800

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5718.590: SANITARY SEWER- LIFT STATION	1,800					1,800
Total	1,800					1,800

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Maintenance

Useful Life 15 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$8,000

Project # MAR 2000 005

Project Name ELECTRICAL PANEL MAINTENANCE

Division SANITARY SEWER

Object

Location 2002000

Description

This was done as a part of the telemetry upgrade In 2002

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance			8,000			8,000
Total			8,000			8,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND			8,000			8,000
Total			8,000			8,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5614.590: OPERATING SUPPLY - LIFT STATIONS			8,000			8,000
Total			8,000			8,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Maintenance

Useful Life 10 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Project # ROL 4000 009

Project Name LIFT STATION BLDG REPAIR

Division SANITARY SEWER

Object 5410.590 REPAIRS/MAINT SA

Location 2004000

Description

Repair to the floor of the lift station enclosure

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance	50,000					50,000
Total	50,000					50,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	50,000					50,000
Total	50,000					50,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Equipment

Useful Life 15 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$4,000

Project # SUM 6000 001

Project Name PUMP #1 REPLACEMENT

Division SANITARY SEWER

Object

Location 2006000

Description

Purchased in 1988 for \$4000. PURCHASED ON 10-1-07. INSTALLED 3-09

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				4,000		4,000
Total				4,000		4,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				4,000		4,000
Total				4,000		4,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5718.590: SANITARY SEWER- LIFT STATION				4,000		4,000
Total				4,000		4,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Equipment

Useful Life 15 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$4,000

Project # SUM 6000 003
Project Name PUMP #2 REPLACEMENT

Division SANITARY SEWER

Object

Location 2006000

Description

Purchased in 1988 for \$4000. PURCHASED ON 10-1-07. INSTALLED 3-09

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				4,000		4,000
Total				4,000		4,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				4,000		4,000
Total				4,000		4,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5718.590: SANITARY SEWER- LIFT STATION				4,000		4,000
Total				4,000		4,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Equipment

Useful Life 30 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$75,000

Project # SWR 5000 002

Project Name REPLACE 50KW PORT. GENERATOR-SANITARY SEWERS

Division SANITARY SEWER

Object 5765.000 LIFT STATIONS >5,0

Location 2005000

Description

SEE WPCP FOR PREVENTIVE MAINTENANCE . PURCHASED IN 1988 FOR \$17,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				75,000		75,000
Total				75,000		75,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				75,000		75,000
Total				75,000		75,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5765.000: LIFT STATIONS =>5,000				75,000		75,000
Total				75,000		75,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Maintenance

Useful Life 10 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Project # TUR 7000 001

Project Name PAINT, SEAL, CAULK, & PAINT ROOF-TURNER LIFT STATI

Division SANITARY SEWER

Object 5410.590 REPAIRS/MAINT SA

Location 2007000

Total Project Cost: \$10,000

Description

INCLUDES - PAINTING INSIDE PIPING, OUTSIDE BLOCK & ROOF, CAULKING OF JOINTS. LAST COMPLETED IN 1995 FOR \$6,000. WILL NOT BE DONE UNTIL AFTER THE LIFT STATION PUMPS AND PIPING REPLACED.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance			10,000			10,000
Total			10,000			10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND			10,000			10,000
Total			10,000			10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5410.590: REPAIRS /MAINT SANITARY SWR LIFT STATION			10,000			10,000
Total			10,000			10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Maintenance

Useful Life 10 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$8,000

Project # TUR 7000 013

Project Name ELECTRICAL PANEL MAINTENANCE-TURNER LIFT STATI

Division SANITARY SEWER

Object 5765.000 LIFT STATIONS >5,0

Location 2007000

Description

LAST REBUILD WAS IN 1999 FOR \$6,000. UPGRADE IN 2009 CONST. PROJECT

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance			8,000			8,000
Total			8,000			8,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND			8,000			8,000
Total			8,000			8,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5765.000: LIFT STATIONS =>5,000			8,000			8,000
Total			8,000			8,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Equipment

Useful Life 15 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$18,000

Project # TUR 7000 014

Project Name RADIO TELEMETRY SYSTEM-TURNER LIFT STATION

Division SANITARY SEWER

Object 5765.000 LIFT STATIONS >5,0

Location 2007000

Description

RADIO TELEMETRY PURCHASED IN 1999 FOR \$18,000. UPGRADE IN 2009 CONST. PROJECT

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				18,000		18,000
Total				18,000		18,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				18,000		18,000
Total				18,000		18,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5765.000: LIFT STATIONS =>5,000				18,000		18,000
Total				18,000		18,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Equipment

Useful Life 15 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$1,800

Project # TUR 7000 016

Project Name SIPHON FLOW METER

Division SANITARY SEWER

Object 5718.590 SABUTART SEWER-

Location 2007000

Description

INSTALLED IN PROJECT 2009

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					1,800	1,800
Total					1,800	1,800

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					1,800	1,800
Total					1,800	1,800

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5718.590: SANITARY SEWER- LIFT STATION					1,800	1,800
Total					1,800	1,800

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Equipment

Useful Life 15 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$1,800

Project # TUR 7000 017
Project Name SIPHON WETWELL METER

Division SANITARY SEWER

Object

Location 2007000

Description

INSTALLED IN PROJECT 2009

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					1,800	1,800
Total					1,800	1,800

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					1,800	1,800
Total					1,800	1,800

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5718.590: SANITARY SEWER- LIFT STATION					1,800	1,800
Total					1,800	1,800

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Equipment

Useful Life 15 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$4,000

Project # **TUR 7000 018**
Project Name **ACTUATOR/ WEIR GATE**

Division SANITARY SEWER

Object

Location 2007000

Description
INSTALLED IN PROJECT 2009

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					4,000	4,000
Total					4,000	4,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					4,000	4,000
Total					4,000	4,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5718.590: SANITARY SEWER- LIFT STATION					4,000	4,000
Total					4,000	4,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Equipment

Useful Life 15 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$4,000

Project # TUR 7000 019
Project Name ACTUATOR/PLANT GATE

Division SANITARY SEWER

Object

Location 2007000

Description

INSTALLED IN PROJECT 2009

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					4,000	4,000
Total					4,000	4,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					4,000	4,000
Total					4,000	4,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5718.590: SANITARY SEWER- LIFT STATION					4,000	4,000
Total					4,000	4,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Maintenance

Useful Life 20 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$4,950

Project # YMC 9500 001
Project Name PAINT INTERIOR

Division SANITARY SEWER

Object

Location 2009500

Description

SANDBLAST DRY WELL AND PAINT EQUIPMENT. BID AS PART OF PLANT PAINTING PROJECT. PAINTED IN 2005

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance					4,950	4,950
Total					4,950	4,950

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					4,950	4,950
Total					4,950	4,950

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5410.590: REPAIRS /MAINT SANITARY SWR LIFT STATION					4,950	4,950
Total					4,950	4,950

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Equipment

Useful Life 20 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$10,000

Project # YMC 9500 004

Project Name PUMP #1 REPLACEMENT -YMCA LIFT STATION

Division SANITARY SEWER

Object 5765.000 LIFT STATIONS >5,0

Location 2009500

Description

REPLACED IN DECEMBER OF 2002 FOR \$10,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			10,000			10,000
Total			10,000			10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND			10,000			10,000
Total			10,000			10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5765.000: LIFT STATIONS =>5,000			10,000			10,000
Total			10,000			10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Equipment

Useful Life 20 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$10,000

Project # YMC 9500 006

Project Name PUMP #2 REPLACEMENT-YMCA LIFT STATION

Division SANITARY SEWER

Object 5765.000 LIFT STATIONS >5,0

Location 2009500

Description

REPLACED IN DECEMBER OF 2002 FOR \$10,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			10,000			10,000
Total			10,000			10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND			10,000			10,000
Total			10,000			10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5765.000: LIFT STATIONS =>5,000			10,000			10,000
Total			10,000			10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Equipment

Useful Life 20 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Project # YMC 9500 008

Project Name PUMP #3 REPLACEMENT-YMCA LIFT STATION

Division SANITARY SEWER

Object 5765.000 LIFT STATIONS >5,0

Location 2009500

Total Project Cost: \$10,000

Description

PUMPS ARE FAILING, NEW MODEL REQUIRES SOME PIPING CHANGES. COST: \$10000 PURCHASE DATE: 12/1/2002 MFG YEAR: 1974 PURCHASE PRICE: \$10000

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			10,000			10,000
Total			10,000			10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND			10,000			10,000
Total			10,000			10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5765.000: LIFT STATIONS =>5,000			10,000			10,000
Total			10,000			10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department SANITARY SEWER LIFT ST

Contact

Type Equipment

Useful Life 30 years

Category 520590 WPCP EXP-SANITAR

Priority Critical

Status Active

Total Project Cost: \$75,000

Project # YMC 9500 011

Project Name STANDBY GEN. REPLACEMENT-YMCA LIFT STATION

Division SANITARY SEWER

Object 5765.000 LIFT STATIONS >5,0

Location 2009500

Description

PURCHASED IN 1989 FOR \$16,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		75,000				75,000
Total		75,000				75,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		75,000				75,000
Total		75,000				75,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5765.000: LIFT STATIONS =>5,000		75,000				75,000
Total		75,000				75,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STORM SEWER

Contact

Type Equipment

Useful Life 10 years

Category 510531 STRM SEWER UTLT

Priority Critical

Status Active

Total Project Cost: \$44,000

Project # VEH 9000 005

Project Name 1 TON DUMP TRUCK

Division STORM WATER

Object 5749.000 OTHER CAPITAL EQ

Location 2009000

Description

60-40% SPLIT WITH SANITARY SEWER FUND. PURCHASED IN 2005 FOR \$9,500

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		44,000				44,000
Total		44,000				44,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		26,400				26,400
740/741 - STORM WATER		17,600				17,600
Total		44,000				44,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		44,000				44,000
Total		44,000				44,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STORM SEWER LIFT STATI

Contact

Type Maintenance

Useful Life 20 years

Category 510531 STRM SEWER UTLT

Priority Critical

Status Active

Project # 18A 5910 001

Project Name MAJ REBUILD DISCHARG PUMP # 1-18TH AVE STATION

Division STORM WATER

Object 5765.000 LIFT STATIONS >5,0

Location 2005910

Total Project Cost: \$85,000

Description

MAJOR REBUILD INCLUDES REMOVAL, SEALS, BEARINGS AND O-RINGS. WORK TO BE DONE BY OUTSIDE CONTRACTOR. COST: \$8000 LAST DONE IN 1998. MAJOR REBUILD TO BE DONE IN 2011.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance				50,000		50,000
Total				50,000		50,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
740/741 - STORM WATER				50,000		50,000
Total				50,000		50,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5765.000: LIFT STATIONS =>5,000				50,000		50,000
Total				50,000		50,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STORM SEWER LIFT STATI

Contact

Type Equipment

Useful Life 15 years

Category 510531 STRM SEWER UTLT

Priority Critical

Status Active

Total Project Cost: \$35,000

Project # 18A 5910 011

Project Name TELEMETRY-18TH AVE STATION

Division STORM WATER

Object 5765.000 LIFT STATIONS >5,0

Location 2005910

Description

PURCHASED IN 1998 FOR \$17,000. UPGRADE RADIO AND CONNECTION TO PLC. DID NOT GET COMPLETED IN FY 2009, SO WAS IN FY2010 BUDGET. INCLUDED PROGRAMMING OF SLC500 PLC @ 18AV AND INSTALLTION OF ANTENNA @ PRELIM, COST \$19,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		35,000				35,000
Total		35,000				35,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
740/741 - STORM WATER		35,000				35,000
Total		35,000				35,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5765.000: LIFT STATIONS =>5,000		35,000				35,000
Total		35,000				35,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STORM SEWER LIFT STATI

Contact

Type Equipment

Useful Life 20 years

Category 510531 STRM SEWER UTLT

Priority Critical

Status Active

Total Project Cost: \$10,000

Project # 18A 5910 012

Project Name REPLACE DRAIN MH PUMP # 1-18TH AVE STATION

Division STORM WATER

Object 5765.000 LIFT STATIONS >5,0

Location 2005910

Description

PURCHASED IN 1998 FOR \$7,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			10,000			10,000
Total			10,000			10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
740/741 - STORM WATER			10,000			10,000
Total			10,000			10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5765.000: LIFT STATIONS =>5,000			10,000			10,000
Total			10,000			10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STORM SEWER LIFT STATI

Contact

Type Equipment

Useful Life 20 years

Category 510531 STRM SEWER UTLT

Priority Critical

Status Active

Total Project Cost: \$10,000

Project # 18A 5910 013

Project Name REPLACE DRAIN MH PUMP # 2-18TH AVE STATION

Division STORM WATER

Object 5765.000 LIFT STATIONS >5,0

Location 2005910

Description

PURCHASED IN 1998 FOR \$7,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			10,000			10,000
Total			10,000			10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
740/741 - STORM WATER			10,000			10,000
Total			10,000			10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5765.000: LIFT STATIONS =>5,000			10,000			10,000
Total			10,000			10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STORM SEWER LIFT STATI

Contact

Type Maintenance

Useful Life 10 years

Category 510531 STRM SEWER UTLT

Priority Critical

Status Active

Total Project Cost: \$10,000

Project # 18A 5910 014

Project Name SEAL, CAULK & PAINT-18TH AVE STATION

Division STORM WATER

Object 5410.531 REPAIRS/MAINT ST

Location 2005910

Description

PAINT STATION-INSIDE AND OUT

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance			10,000			10,000
Total			10,000			10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
740/741 - STORM WATER			10,000			10,000
Total			10,000			10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5410.531: REPAIRS / MAINT STORM SWR LIFT STATION			10,000			10,000
Total			10,000			10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STORM SEWER LIFT STATI

Contact

Type Equipment

Useful Life 10 years

Category 510531 STRM SEWER UTLT

Priority Critical

Status Active

Total Project Cost: \$8,000

Project # 18A 5910 018

Project Name AIR CONDITIONING UNIT-1 NORTH

Division STORM WATER

Object 5765.000 LIFT STATIONS >5,0

Location 2005910

Description

AIR CONDITIONING UNIT AT NORTH END OF MOTOR CONTROL ENCLOSURE

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		8,000				8,000
Total		8,000				8,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
740/741 - STORM WATER		8,000				8,000
Total		8,000				8,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5765.000: LIFT STATIONS =>5,000		8,000				8,000
Total		8,000				8,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STORM SEWER LIFT STATI

Contact

Type Equipment

Useful Life 10 years

Category 510531 STRM SEWER UTLT

Priority Critical

Status Active

Total Project Cost: \$8,000

Project # 18A 5910 019

Project Name AIR CONDITIONING UNIT-2 SOUTH

Division STORM WATER

Object 5765.000 LIFT STATIONS >5,0

Location 2005910

Description

AIR CONDITIONING UNIT AT SOUTH END OF MOTOR CONTROL ENCLOSURE

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		8,000				8,000
Total		8,000				8,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
740/741 - STORM WATER		8,000				8,000
Total		8,000				8,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5765.000: LIFT STATIONS =>5,000		8,000				8,000
Total		8,000				8,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STORM SEWER LIFT STATI

Contact

Type Improvement

Useful Life 20 years

Category 510531 STRM SEWER UTLT

Priority Very Important

Status Active

Total Project Cost: \$437,000

Project # RIV 5900 000

Project Name RIVERVIEW STORMWATER PROJECT 2012

Division WPC-PLANT

Object 5765.000 LIFT STATIONS >5,0

Location

Description

This project will include the addition of a mechanical screen and a manual screen that can be taken in and out of service. Also, the genset and transfer switch from Prelim will be set here and the pump motor starters will be replaced. Will also include the replacement of the Motor Control Center.

Justification

These improvements will help ensure reliable operation of this pump station, and with the addition of the mechanical screen and genset, staffing requirements to tend to this station during emergency situations will be relieved.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction		212,000				212,000
Total		212,000				212,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
740/741 - STORM WATER		212,000				212,000
Total		212,000				212,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5765.000: LIFT STATIONS =>5,000		212,000				212,000
Total		212,000				212,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STORM SEWER LIFT STATI

Contact

Type Maintenance

Useful Life 10 years

Category 510531 STRM SEWER UTLT

Priority Critical

Status Active

Total Project Cost: \$4,000

Project # RIV 5900 001

Project Name SEAL, CAULK, & PAINT ROOF

Division STORM WATER

Object 5410.531 REPAIRS/MAINT ST

Location 2005900

Description

painted in 1995 for \$2000. PAINT OUTSIDE WALLS, ROOF (INSIDE AND OUT)

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance			4,000			4,000
Total			4,000			4,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
740/741 - STORM WATER			4,000			4,000
Total			4,000			4,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5410.531: REPAIRS / MAINT STORM SWR LIFT STATION			4,000			4,000
Total			4,000			4,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STORM SEWER LIFT STATI

Contact

Type Maintenance

Useful Life 10 years

Category 510531 STRM SEWER UTLT

Priority Critical

Status Active

Total Project Cost: \$10,000

Project # **RIV 5900 007**
Project Name **PUMP #2 REBUILD MOTOR**

Division STORM WATER

Object

Location 2005900

Description
REBUILT IN 1994.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance			10,000			10,000
Total			10,000			10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
740/741 - STORM WATER			10,000			10,000
Total			10,000			10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5410.531: REPAIRS / MAINT STORM SWR LIFT STATION			10,000			10,000
Total			10,000			10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STORM SEWER LIFT STATI

Contact

Type Equipment

Useful Life 10 years

Category 510531 STRM SEWER UTLT

Priority Critical

Status Active

Project # RIV 5900 033

Project Name STANDBY GENSET REBUILD

Division STORM WATER

Object 5765.000 LIFT STATIONS >5,0

Location 2005000

Total Project Cost: \$10,000

Description

GENERATOR AND TRANSFER SWITCH TAKEN FROM PRELIM BLDG AND INSTALLED MARCH 2013

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				10,000		10,000
Total				10,000		10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
740/741 - STORM WATER				10,000		10,000
Total				10,000		10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5765.000: LIFT STATIONS =>5,000				10,000		10,000
Total				10,000		10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STORM SEWER LIFT STATI

Contact

Type Equipment

Useful Life 30 years

Category 510531 STRM SEWER UTLT

Priority Critical

Status Active

Project # SWR 5000 012

Project Name REPLACE 250KW GENERATOR-SEWER

Division STORM WATER

Object 5765.000 LIFT STATIONS >5,0

Location 2005000

Total Project Cost: \$75,000

Description

PORTABLE GENERATOR USED TO POWER RIVERVIEW PARK LIFT STATION PURCHASED IN 1988 FOR \$20,000. THIS UNIT HAS BEEN REPLACED WITH THE OLD PRELIM GENSET AND TRANSFER SWITCH INSTALLED 9-14 AS A FIXED UNIT

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					75,000	75,000
Total					75,000	75,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
740/741 - STORM WATER					75,000	75,000
Total					75,000	75,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5765.000: LIFT STATIONS =>5,000					75,000	75,000
Total					75,000	75,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STORM WATER

Contact Justin Nickel

Type Improvement

Useful Life 50 years

Category 510530 STRM SEWER UTLT

Priority Critical

Status Active

Total Project Cost: \$500,000

Project # 29113005
Project Name Levee Repair - Earthwork

Division STORM WATER

Object 5340.200 CONTRACT - OTHE

Location

Description
Earthwork to raise the Levee system to meet FEMA requirements

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction		500,000				500,000
Total		500,000				500,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
740/741 - STORM WATER		500,000				500,000
Total		500,000				500,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5348.000: CONTRACT - OTHER		500,000				500,000
Total		500,000				500,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STORM WATER

Contact Justin Nickel

Type Improvement

Useful Life 50 years

Category 510530 STRM SEWER UTLT

Priority Critical

Status Active

Total Project Cost: \$500,000

Project # 29113019

Project Name Levee Gatewell Repair

Division STORM WATER

Object 5340.010 CONTRACT-OUTSID

Location Levee

Description

Repair Flap Gates and replace the Gatewells

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction			500,000			500,000
Total			500,000			500,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
740/741 - STORM WATER			500,000			500,000
Total			500,000			500,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5348.000: CONTRACT - OTHER			500,000			500,000
Total			500,000			500,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STORM WATER

Contact

Type Maintenance

Useful Life

Category 1218066 LOT-STORM SEWE

Priority Not Applicable

Status Active

Total Project Cost: \$480,000

Project # 53107005A

Project Name STORM WATER EMERGENCY REPAIRS

Division STORM WATER

Object 5777.000 STORM SEWERS

Location 2005600

Description

REPAIR OF STORM SEWERS THAT NEED WORK AND CAN'T WAIT TILL ITS SCHEDULE.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance	30,000	30,000				60,000
Total	30,000	30,000				60,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
740/741 - STORM WATER	30,000	30,000				60,000
Total	30,000	30,000				60,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5410.531: REPAIRS / MAINT STORM SWR LIFT STATION	30,000	30,000				60,000
Total	30,000	30,000				60,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STORM WATER

Contact Justin Nickel

Type Improvement

Useful Life 20 years

Category 510531 STRM SEWER UTLT

Priority Critical

Status Active

Total Project Cost: \$1,800,000

Project # **P100**
Project Name **Dredging & Installing Settling Ponds**

Division STORM WATER

Object 5777.000 STORM SEWERS

Location

Description
Dredging Merle Hibbs and 6th ponds and installing settling ponds

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance			300,000		600,000	900,000
Total			300,000		600,000	900,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
740/741 - STORM WATER		300,000		600,000	600,000	1,500,000
Total		300,000		600,000	600,000	1,500,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5342.000: CONTRACT- OUTSIDE HELP		1,200,000		600,000		1,800,000
Total		1,200,000		600,000		1,800,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STORM WATER

Contact Justin Nickel

Type Improvement

Useful Life 50 years

Category 510531 STRM SEWER UTLT

Priority Critical

Status Active

Total Project Cost: \$3,450,000

Project # P200
Project Name 4th St/Meadow Ln. Storm Sewer

Division STORM WATER

Object 5340.200 CONTRACT - OTHE

Location

Description

New storm sewer along 4th St. from Meadow Ln. to High St.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction	300,000	3,000,000				3,300,000
Total	300,000	3,000,000				3,300,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
740/741 - STORM WATER	300,000	3,000,000				3,300,000
Total	300,000	3,000,000				3,300,000

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STORM WATER

Contact Justin Nickel

Type Improvement

Useful Life 20 years

Category 510531 STRM SEWER UTLT

Priority Very Important

Status Active

Total Project Cost: \$196,000

Project #	SMW20004
Project Name	East Main Street Drainage Improvements

Division

Object

Location

Description
Improvements to the intersections of 7th Avenue and Main Street, 8th Avenue and Main Street and 7th Avenue and Noble Street to maintain gutter flow of storm water to bypass potential issues along 8th Avenue, sout of Main Street.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Construction	196,000					196,000
Total	196,000					196,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
740/741 - STORM WATER	196,000					196,000
Total	196,000					196,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5342.000: CONTRACT-OUTSIDE HELP	196,000					196,000
Total	196,000					196,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STREET

Contact Justin Nickel

Type Equipment

Useful Life 15 years

Category 1102010 RUT-STR MAINTEN

Priority Critical

Status Active

Total Project Cost: \$3,141,864

Project # E3510

Project Name Dump Truck

Division STREET

Object 5749.000 OTHER CAPITAL EQ

Location STREET GARAGE

Description

Replacement unit for existing dump truck snow plow and sander equipped.

Justification

Replacing a 1999 Chevy 8500 55,000 miles/ High Hours Fair to Poor condition

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	300,000	310,000	320,000	330,000	330,000	1,590,000
Total	300,000	310,000	320,000	330,000	330,000	1,590,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$	300,000	310,000	320,000	330,000	330,000	1,590,000
Total	300,000	310,000	320,000	330,000	330,000	1,590,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	300,000	310,000	320,000	330,000	330,000	1,590,000
Total	300,000	310,000	320,000	330,000	330,000	1,590,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STREET

Contact Justin Nickel

Type Equipment

Useful Life 10 years

Category 1102010 RUT-STR MAINTEN

Priority Critical

Status Active

Total Project Cost: \$755,280

Project # E3520
Project Name Street Sweeper

Division STREET

Object

Location STREET GARAGE

Description

REPLACE STREET SWEEPER

Justification

Replacing a 2005 Johnston MX 450 with 2845 hours Expected to have some trade in value, unknown at this time.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				220,000		220,000
Total				220,000		220,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$				220,000		220,000
Total				220,000		220,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				220,000		220,000
Total				220,000		220,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STREET

Contact Justin Nickel

Type Equipment

Useful Life 20 years

Category 1102010 RUT-STR MAINTEN

Priority Critical

Status Active

Project # E3540

Project Name Track Skidloader with Clam Bucket

Division STREET

Object 5749.000 OTHER CAPITAL EQ

Location STREET GARAGE

Total Project Cost: \$77,850

Description

Replacing 2004 New Holland skid loader, Model LS190, hours = 1000. Adding a clam bucket for utility use in stick/storm clean up.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	77,850					77,850
Total	77,850					77,850

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$	77,850					77,850
Total	77,850					77,850

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	77,850					77,850
Total	77,850					77,850

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STREET

Contact Justin Nickel

Type Equipment

Useful Life 15 years

Category 1102010 RUT-STR MAINTEN

Priority Critical

Status Active

Total Project Cost: \$100,000

Project # E3550

Project Name Self Propelled Paint Striper

Division STREET

Object 5749.000 OTHER CAPITAL EQ

Location STREET GARAGE

Description

Replace pull behind striper

Justification

Replacing a Graco 1996 Model 231-378 Series H Road Lazer, 3 pump 2 color system

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			100,000			100,000
Total			100,000			100,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$			100,000			100,000
Total			100,000			100,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000			100,000			100,000
Total			100,000			100,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STREET

Contact Justin Nickel

Type Equipment

Useful Life 10 years

Category 1102010 RUT-STR MAINTEN

Priority Important

Status Active

Total Project Cost: \$345,000

Project # E3900

Project Name Snow Blower

Division STREET

Object 5749.000 OTHER CAPITAL EQ

Location STREET GARAGE

Description

Snow Blower replacement

Justification

Replacing a Sno Go Series Trojan 200Z/HH20 with 782 hours in fair condition

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			205,000			205,000
Total			205,000			205,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$			205,000			205,000
Total			205,000			205,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000			205,000			205,000
Total			205,000			205,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STREET

Contact Justin Nickel

Type Equipment

Useful Life 10 years

Category 1102010 RUT-STR MAINTEN

Priority Important

Status Active

Total Project Cost: \$40,000

Project # E3940
Project Name Slide in oil distributor

Division STREET

Object 5749.000 OTHER CAPITAL EQ

Location STREET GARAGE

Description

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		40,000				40,000
Total		40,000				40,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$		40,000				40,000
Total		40,000				40,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		40,000				40,000
Total		40,000				40,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STREET

Contact Justin Nickel

Type Equipment

Useful Life 7 years

Category 1102010 RUT-STR MAINTEN

Priority Important

Status Active

Total Project Cost: \$10,000

Project # T001
Project Name Skid steer trailer

Division STREET

Object 5749.000 OTHER CAPITAL EQ

Location STREET GARAGE

Description

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		10,000				10,000
Total		10,000				10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$		10,000				10,000
Total		10,000				10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		10,000				10,000
Total		10,000				10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STREET

Contact

Type Equipment

Useful Life 15 years

Category 1102010 RUT-STR MAINTEN

Priority Critical

Status Active

Total Project Cost: \$511,500

Project # V2323

Project Name END LOADER

Division STREET

Object 5749.000 OTHER CAPITAL EQ

Location

Description

REPLACE END LOADER

Justification

Replacing a 1987 Dresser 515B. 3656 hours, very rough condition.

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			165,000			165,000
Total			165,000			165,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$			230,000			230,000
Total			230,000			230,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000			165,000			165,000
Total			165,000			165,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STREET
Contact Lynn Couch
Type Equipment
Useful Life 10 years
Category 1102010 RUT-STR MAINTEN
Priority Critical
Status Active

Project # V3500
Project Name 3/4 Ton Pickup

Division STREET

Object

Location STREET GARAGE

Total Project Cost: \$132,000

Description

3/4 Ton Crew cab for personell transport and snow removal duties.

Justification

Replacing a 2000 Ford F150 2WD with 83,950 miles in Fair Condition

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	35,000	35,000				70,000
Total	35,000	35,000				70,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$	35,000	35,000				70,000
Total	35,000	35,000				70,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	35,000	35,000				70,000
Total	35,000	35,000				70,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STREET

Contact Justin Nickel

Type Equipment

Useful Life 10 years

Category 1102010 RUT-STR MAINTEN

Priority Critical

Status Active

Total Project Cost: \$40,000

Project # V3502

Project Name 1 Ton Truck with Dump Body

Division STREET

Object 5749.000 OTHER CAPITAL EQ

Location STREET GARAGE

Description

Replace 1987 Chevy 1 Ton C30 with 100,000 miles in 2019.
Replace 1994 Chevy 3500 truck with a flat bed dump body with 83000 miles in 2021. The truck has extensive rust damage and the seat is need of replacement.
2021 1 ton dump for skid steer trailer.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		40,000				40,000
Total		40,000				40,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$		40,000				40,000
Total		40,000				40,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		40,000				40,000
Total		40,000				40,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department STREET

Contact Justin Nickel

Type Equipment

Useful Life 15 years

Category 1102010 RUT-STR MAINTEN

Priority Important

Status Active

Total Project Cost: \$575,000

Project # V3503

Project Name Motor Grader

Division

Object

Location

Description

Replace Motor Grader

Justification

Replacing 1973 Cat Model 112F/ High hours / Poor condition

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		300,000		275,000		575,000
Total		300,000		275,000		575,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$		300,000		275,000		575,000
Total		300,000		275,000		575,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		300,000		275,000		575,000
Total		300,000		275,000		575,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department TRANSIT
Contact Justin Nickel
Type Equipment
Useful Life 20 years
Category 550780 TRANSIT-OPERATIN
Priority Important
Status Active

Project # E10112
Project Name Tow Bar and adapter

Division
Location

Total Project Cost: \$6,000

Description
Tow bar and adapter to tow buses back to shop for maintenance

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					6,000	6,000
Total					6,000	6,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
690 - TRANSIT					6,000	6,000
Total					6,000	6,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					6,000	6,000
Total					6,000	6,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department TRANSIT
Contact Justin Nickel
Type Equipment
Useful Life 10 years
Category 550780 TRANSIT-OPERATIN
Priority Important
Status Active

Project # V3417
Project Name Shop Truck

Division TRANSIT

Object

Location

Total Project Cost: \$50,000

Description

New Shop Truck

Justification

Current Shop truck is 2005 F350 purchased from IDOT at auction, purchased in 2009

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					50,000	50,000
Total					50,000	50,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
690 - TRANSIT					50,000	50,000
Total					50,000	50,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					50,000	50,000
Total					50,000	50,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department UTILITY

Contact Justin Nickel

Type Equipment

Useful Life 10 years

Category 1102040 RUT-TRAFFIC SAFE

Priority Critical

Status Active

Total Project Cost: \$5,000

Project # E3701
Project Name Arc Flash Suit

Division

Object

Location

Description

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					5,000	5,000
Total					5,000	5,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$					5,000	5,000
Total					5,000	5,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					5,000	5,000
Total					5,000	5,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department UTILITY

Contact Justin Nickel

Type Unassigned

Useful Life

Category 1102040 RUT-TRAFFIC SAFE

Priority Not Applicable

Status Active

Total Project Cost: \$21,000

Project # E3704
Project Name LED Traffic Light Replacement

Division

Object

Location

Description

Replacement of traffic signal light bulbs with energy efficient LED bulbs

Justification

Energy savings

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	10,000					10,000
Total	10,000					10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$	10,000					10,000
Total	10,000					10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5780.000: TRAFFIC SIGNALS	10,000					10,000
Total	10,000					10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department UTILITY

Contact Justin Nickel

Type Improvement

Useful Life 10 years

Category 1102040 RUT-TRAFFIC SAFE

Priority Important

Status Active

Total Project Cost: \$32,000

Project # E3708

Project Name Traffic Signal Battery Back Ups

Division

Object

Location

Description

Battery Back ups for major intersections to keep traffic signals operating during power outages instead of the need for manpower and placement of temporary stop signs. \$6,000 will fund approximately four intersections.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	7,000	7,000				14,000
Total	7,000	7,000				14,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$	7,000	7,000				14,000
Total	7,000	7,000				14,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5780.000: TRAFFIC SIGNALS	7,000	7,000				14,000
Total	7,000	7,000				14,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department UTILITY

Contact

Type Equipment

Useful Life 12 years

Category 1102040 RUT-TRAFFIC SAFE

Priority Critical

Status Active

Project # V2203
Project Name PICKUP

Division UTILITY

Object 5749.000 OTHER CAPITAL EQ

Location

Total Project Cost: \$62,000

Description

New Half Ton Pickup will replace a 2006 Chevy Colorado with 116,401 miles for utility division use. The S-10 will be put in the Street Division Fleet.

New Half Ton Pickup will replace a 2005 Ford Ranger with 61,330 miles for utility division use. The Ford Ranger will be traded in.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	32,000					32,000
Total	32,000					32,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
110 - ROAD USE TAX \$	32,000					32,000
Total	32,000					32,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	32,000					32,000
Total	32,000					32,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Improvement

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$7,000

Project # ADM 0300 015

Project Name REPLACE HAV - ADMINISTRATION BLDG

Division WPC-PLANT

Object 5776.000 BUILDINGS & IMPR

Location 1900300

Description

COST: \$7000 PURCHASE DATE: 8/7/2001

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Planning&Design		7,000				7,000
Total		7,000				7,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		7,000				7,000
Total		7,000				7,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000		7,000				7,000
Total		7,000				7,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$25,000

Project # ARB 0500 002

Project Name AERATION BASIN MEMBRANES

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1900500

Description

Aeration Basin Membranes - Basins 1-2-3

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			25,000			25,000
Total			25,000			25,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND			25,000			25,000
Total			25,000			25,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000			25,000			25,000
Total			25,000			25,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Maintenance

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$15,000

Project # BGR 0700 001

Project Name TEST GAS BALL

Division WPC-PLANT

Object 5776.000 BUILDINGS & IMPR

Location 1900700

Description

COST: \$13000 , LAST TESTED 1997.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance	15,000					15,000
Total	15,000					15,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	15,000					15,000
Total	15,000					15,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000	15,000					15,000
Total	15,000					15,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Maintenance

Useful Life 65 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$200,000

Project # BGR 0700 002

Project Name PAINT GAS BALL

Division WPC-PLANT

Object 5776.000 BUILDINGS & IMPR

Location 1900700

Description

GAS BALL TESTED IN 1996 AND REPORT SHOWS THE BALL WILL LAST ANOTHER 40 YEARS WITH OUT MAINTENANCE.
COST: \$200000 PURCHASE MFG YEAR: 1972

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance	200,000					200,000
Total	200,000					200,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	200,000					200,000
Total	200,000					200,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000	200,000					200,000
Total	200,000					200,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Maintenance

Useful Life 15 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$15,000

Project # BLR 1200 003

Project Name MEMBRANE ROOF REPLACEMENT-BOILER BLDG

Division WPC-PLANT

Object 5776.000 BUILDINGS & IMPR

Location 1901200

Description

COST: \$10900 IN SEPT. OF 2004.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance				15,000		15,000
Total				15,000		15,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				15,000		15,000
Total				15,000		15,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000				15,000		15,000
Total				15,000		15,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$15,000

Project # BLR 1200 015

Project Name SUPERVISORY CONTROL UPGRADE-BOILER BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1901200

Description

PURCHASED SEPT. 2004 FOR 15,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		15,000				15,000
Total		15,000				15,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		15,000				15,000
Total		15,000				15,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		15,000				15,000
Total		15,000				15,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Maintenance

Useful Life 15 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$25,000

Project # CMP 1500 002

Project Name RE-ROOF - ENGINE BUILDING

Division WPC-PLANT

Object 5776.000 BUILDINGS & IMPR

Location 1901500

Description

RE-ROOFED IN 2004 FOR \$19,000

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance				25,000		25,000
Total				25,000		25,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				25,000		25,000
Total				25,000		25,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000				25,000		25,000
Total				25,000		25,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 30 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$15,000

Project # CMP 1500 014

Project Name RAW WASTE PUMP #3 - COMPRESSOR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1901500

Description

PURCHASED IN 1991 FOR \$6,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	15,000					15,000
Total	15,000					15,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	15,000					15,000
Total	15,000					15,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	15,000					15,000
Total	15,000					15,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$180,000

Project # CMP 1500 033

Project Name GENERATOR CONTROL REPLACEMENT-COMP BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1901500

Description

REPLACED IN SEPT. 2004 FOR \$180,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					180,000	180,000
Total					180,000	180,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					180,000	180,000
Total					180,000	180,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					180,000	180,000
Total					180,000	180,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$10,000

Project # CMP 1500 042

Project Name NORTH TUNNEL MLSS XFER PUMP-COMP BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1901500

Description

PURCHASED IN 1998 FOR \$8,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		10,000				10,000
Total		10,000				10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		10,000				10,000
Total		10,000				10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		10,000				10,000
Total		10,000				10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 12 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$7,000

Project # CMP 1500 043

Project Name NORTH TUNNEL pH SYSTEM ANALYZE-COMP BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1901500

Description

PURCHASED IN 1998 FOR \$6,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	7,000					7,000
Total	7,000					7,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	7,000					7,000
Total	7,000					7,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	7,000					7,000
Total	7,000					7,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Project # CMP 1500 046

Project Name MASTER RADIO - RTU-COMP BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1901500

Total Project Cost: \$15,000

Description

REPLACEMENT RTU, CURRENT UNIT TO SMALL FOR ALL THE DATA HANDLING NEED TO UPGRADE FOR TURNER STREET LIFT STATION. Proposal # 061031BJW1DO-COMPLETED 10-6-08

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		15,000				15,000
Total		15,000				15,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		15,000				15,000
Total		15,000				15,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		15,000				15,000
Total		15,000				15,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Maintenance

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$25,000

Project # CMP 1500 050

Project Name MAU-1 REBUILD-COMP BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1901500

Description

PURCHASED SEPT 2004, EST TO REBUILD \$10,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance	25,000					25,000
Total	25,000					25,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	25,000					25,000
Total	25,000					25,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	25,000					25,000
Total	25,000					25,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$25,000

Project # CMP 1500 051

Project Name FLUID COOLER-COMP BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1901500

Description

PURCHASED IN SEPT. 2004 FOR \$25,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					25,000	25,000
Total					25,000	25,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					25,000	25,000
Total					25,000	25,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					25,000	25,000
Total					25,000	25,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$15,000

Project # CMP 1500 055

Project Name SUPERVISORY CONTROL UPGRADE-COMP BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1901500

Description

PURCHASED SEPT. 2004 FOR \$15,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	15,000					15,000
Total	15,000					15,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	15,000					15,000
Total	15,000					15,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	15,000					15,000
Total	15,000					15,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 40 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$30,000

Project # CNC 1700 001

Project Name CONCENTRATE DRIVE (EAST)-& (WEST) CONCENTRATE B

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1901700

Description

PURCHASED IN 1972, EST COST \$15,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	30,000					30,000
Total	30,000					30,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	30,000					30,000
Total	30,000					30,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	30,000					30,000
Total	30,000					30,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Maintenance

Useful Life 15 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$20,000

Project # DAF 1900 001

Project Name RE-ROOF DAF-MAINT SHOP BLDG

Division WPC-PLANT

Object 5776.000 BUILDINGS & IMPR

Location 1901900

Description

RE-ROOFED IN 1999 FOR \$15250.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance				20,000		20,000
Total				20,000		20,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				20,000		20,000
Total				20,000		20,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000				20,000		20,000
Total				20,000		20,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 25 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$200,000

Project # DAF 1900 013

Project Name DAF #1 REPLACE w/ RDT-DAF BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1901900

Description

PURCHASED IN 1987 FOR \$20,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				200,000		200,000
Total				200,000		200,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				200,000		200,000
Total				200,000		200,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				200,000		200,000
Total				200,000		200,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 25 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$200,000

Project # DAF 1900 014

Project Name DAF #2 REPLACE w/ RDT-DAF BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1901900

Description

PURCHASED IN 1987 FOR \$20,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				200,000		200,000
Total				200,000		200,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				200,000		200,000
Total				200,000		200,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				200,000		200,000
Total				200,000		200,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$15,000

Project # DAF 1900 025

Project Name SUPERVISORY CONTROL UPGRADE-DAF BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1901900

Description

PURCHASED SEPT. 2004, FOR \$15,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	15,000					15,000
Total	15,000					15,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	15,000					15,000
Total	15,000					15,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	15,000					15,000
Total	15,000					15,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$20,000

Project # DCB 2100 014

Project Name AIR DIA. PUMP #1 REPLACEMENT-DIG CONTR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902100

Description

PURCHASED IN 1988 FOR \$5,500.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		20,000				20,000
Total		20,000				20,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		20,000				20,000
Total		20,000				20,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		20,000				20,000
Total		20,000				20,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$20,000

Project # DCB 2100 015

Project Name AIR DIA. PUMP #2 REPLACEMENT-DIG CONTR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902100

Description

PURCHASED IN 1988 FOR \$5,500.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		20,000				20,000
Total		20,000				20,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		20,000				20,000
Total		20,000				20,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		20,000				20,000
Total		20,000				20,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 25 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$65,000

Project # DCB 2100 020

Project Name GAS COMPRESSOR #2 REPLACEMENT-DOG CONTR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902100

Description

PURCHASED IN 1989 FOR \$25,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	65,000					65,000
Total	65,000					65,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	65,000					65,000
Total	65,000					65,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	65,000					65,000
Total	65,000					65,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Improvement

Useful Life 15 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$8,000

Project # DCB 2100 028

Project Name PIPE INSULATION-DIG CONTR BLDG

Division WPC-PLANT

Object 5776.000 BUILDINGS & IMPR

Location 1902100

Description

Insulation of sludge piping that causes condensation from the cold pipes. New Purchase

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Buildings			8,000			8,000
Total			8,000			8,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND			8,000			8,000
Total			8,000			8,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000			8,000			8,000
Total			8,000			8,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$30,000

Project # DCB 2100 031

Project Name MAU - 2 (CONCENTRATE)-DIG CONTR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902100

Description

PURCHASED IN SEPT. 2004 FOR \$30,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					30,000	30,000
Total					30,000	30,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					30,000	30,000
Total					30,000	30,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					30,000	30,000
Total					30,000	30,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Maintenance

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$25,000

Project # DCB 2100 032

Project Name MAU-2 (CONCENTRATE) REBUILD-DIG CONTR BLDG

Division

Object 5749.000 OTHER CAPITAL EQ

Location 1902100

Description

REBUILD MAKEUP AIR UNIT, PURCHASED IN SEPT. 2004 , EST \$10,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance	25,000					25,000
Total	25,000					25,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	25,000					25,000
Total	25,000					25,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	25,000					25,000
Total	25,000					25,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$20,000

Project # DCB 2100 033

Project Name WEMCO PUMP #2 (LOWER LEVEL)-DIG CONTR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902100

Description

PURCHASED IN SEPT. 2004 FOR \$20,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					20,000	20,000
Total					20,000	20,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					20,000	20,000
Total					20,000	20,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					20,000	20,000
Total					20,000	20,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$13,000

Project # DCB 2100 035

Project Name DAY TANK PROPELLER MIXER-DIG CONTR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902100

Description

PURCHASED IN SEPT. 2004 FOR \$13,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					13,000	13,000
Total					13,000	13,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					13,000	13,000
Total					13,000	13,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					13,000	13,000
Total					13,000	13,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$10,000

Project # DCB 2100 037

Project Name DIG FEED PUMP #1-DIG CONTR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902100

Description

PURCHASED IN SEPT. 2004 FOR \$10,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					10,000	10,000
Total					10,000	10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					10,000	10,000
Total					10,000	10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					10,000	10,000
Total					10,000	10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$10,000

Project # DCB 2100 039

Project Name DIG FEED PUMP #2 REPLACEMENT-DIG CONTR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902100

Description

PURCHASED IN SEPT. 2004 FOR \$10,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					10,000	10,000
Total					10,000	10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					10,000	10,000
Total					10,000	10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					10,000	10,000
Total					10,000	10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$8,000

Project # DCB 2100 041

Project Name DIG FEED PUMP GRINDER-DIG CONTR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902100

Description

PURCHASED SEPT. 2004 FOR \$8,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					8,000	8,000
Total					8,000	8,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					8,000	8,000
Total					8,000	8,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					8,000	8,000
Total					8,000	8,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$10,000

Project # DCB 2100 042

Project Name DIG TRANSFER PUMP #1 REPLACEME-DIG CONTR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902100

Description

PURCHASED IN SEPT. 2004 FOR \$10,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					10,000	10,000
Total					10,000	10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					10,000	10,000
Total					10,000	10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					10,000	10,000
Total					10,000	10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$10,000

Project # DCB 2100 044

Project Name DIG TRANSER PUMP #2 REPLACEME-DIG CONTR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902100

Description

PURCHASED IN SEPT. 2004 FOR \$10,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					10,000	10,000
Total					10,000	10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					10,000	10,000
Total					10,000	10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					10,000	10,000
Total					10,000	10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$8,000

Project # DCB 2100 047

Project Name DIG TRANS PUMP GRINDER REPLACE-DOG CONTR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902100

Description

PURCHASED IN SEPT. 2004 FOR \$8,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					8,000	8,000
Total					8,000	8,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					8,000	8,000
Total					8,000	8,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					8,000	8,000
Total					8,000	8,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Project # DCB 2100 049

Project Name SPARE GRINDER-DIG CONTR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902100

Total Project Cost: \$8,000

Description

ROTATED IN WITH OTHER GRINDERS WHEN REBUILT PURCHASED IN SEPT. 2004 FOR \$8,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					8,000	8,000
Total					8,000	8,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					8,000	8,000
Total					8,000	8,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					8,000	8,000
Total					8,000	8,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 30 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Project # DCB 2100 054

Project Name #1 WEMCO PUMP-DIG CONTR BLDG

Division WPC-PLANT

Object

Location 1902100

Total Project Cost: \$40,000

Description

FRONT WEMCO - USED TO PUMP PRIMARIES. PURCHASED IN 1980. EST COST \$20,000. Rebuild to include a new motor, bearings, seal and empeller.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				35,000		35,000
Total				35,000		35,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				35,000		35,000
Total				35,000		35,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				35,000		35,000
Total				35,000		35,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 30 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Project # DCB 2100 056

Project Name WEMCO #3-DIG CONTR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902100

Total Project Cost: \$30,000

Description

REAR WEMCO LOCATED BY #3 DIGESTER,USED TO TRANSFER BIOSOLIDS COST: PURCHASED IN 1985, EST COST \$20,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				30,000		30,000
Total				30,000		30,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				30,000		30,000
Total				30,000		30,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				30,000		30,000
Total				30,000		30,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$25,000

Project # DG1 2001 004

Project Name DIG#1 - MIXER #1 REPLACEMENT- DIG #1

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902001

Description

THERMO SECTION OF DIGESTER PURCHASED IN SEPT. 2004. EST COST \$25,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					25,000	25,000
Total					25,000	25,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					25,000	25,000
Total					25,000	25,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					25,000	25,000
Total					25,000	25,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$25,000

Project # DG1 2001 006

Project Name DIG#1-MIXER #2 REPLACEMENT-DIG #1

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902001

Description

MESO SECTION OF DIGESTER PURCHASED IN SEPT. 2004. EST COST \$25,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					25,000	25,000
Total					25,000	25,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					25,000	25,000
Total					25,000	25,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					25,000	25,000
Total					25,000	25,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$25,000

Project # DG1 2001 008

Project Name DIG#1 - MIXER #3 REPLACEMENT-DIG #1

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902001

Description

MESO SECTION OF DIGESTER. PURCHASED IN SEPT. 2004. EST COST \$25,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					25,000	25,000
Total					25,000	25,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					25,000	25,000
Total					25,000	25,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					25,000	25,000
Total					25,000	25,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Maintenance

Useful Life 15 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Project # DG2 2002 001

Project Name MEMBRANE ROOF REPLACEMENT-DIG #2

Division WPC-PLANT

Object 5776.000 BUILDINGS & IMPR

Location 1902002

Total Project Cost: \$38,000

Description

WILL REQUIRE REPLACEMENT OF INSULATION- MEMBRANE IS ADHERED TO INSULATION PURCHASED ON SEPT. 2004. EST COST \$29,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance					38,000	38,000
Total					38,000	38,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					38,000	38,000
Total					38,000	38,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000					38,000	38,000
Total					38,000	38,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Maintenance

Useful Life 15 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$32,000

Project # DG2 2002 003

Project Name PAINT LID-DIG #2

Division WPC-PLANT

Object 5776.000 BUILDINGS & IMPR

Location 1902002

Description

NEW SEPT. 2004. EST COST \$25,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance					32,000	32,000
Total					32,000	32,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					32,000	32,000
Total					32,000	32,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000					32,000	32,000
Total					32,000	32,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$25,000

Project # DG2 2002 004

Project Name DIG#2 - MIXER #1 REPLACEMENT-DIG #2

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902002

Description

PURCHASED IN SEPT. 2004. EST COST \$25,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					25,000	25,000
Total					25,000	25,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					25,000	25,000
Total					25,000	25,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					25,000	25,000
Total					25,000	25,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$25,000

Project # DG2 2002 006

Project Name DIG#2 - MIXER #2 REPLACEMENT-DIG #2

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902002

Description

PURCHASED IN SEPT. 2004. EST COST \$25,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					25,000	25,000
Total					25,000	25,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					25,000	25,000
Total					25,000	25,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					25,000	25,000
Total					25,000	25,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$25,000

Project # DG2 2002 008

Project Name DIG#2 - MIXER #3 REPLACEMENT-DIG #2

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902002

Description

PURCHASED IN SEPT. 2004. EST COST \$25,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					25,000	25,000
Total					25,000	25,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					25,000	25,000
Total					25,000	25,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					25,000	25,000
Total					25,000	25,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$25,000

Project # DG3 2003 004

Project Name DIG#3 - MIXER #1 REPLACEMENT-DIG #3

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902003

Description

PURCHASED IN SEPT. 2004. EST COST \$25,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		25,000				25,000
Total		25,000				25,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		25,000				25,000
Total		25,000				25,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000		25,000				25,000
Total		25,000				25,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Maintenance

Useful Life 5 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$10,000

Project # DG3 2003 005

Project Name DIG#3 - MIXER #1 REBUILD

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1902003

Description

CRANE AND BEARING REPLACEMENT, NEW IN 2005

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance		10,000				10,000
Total		10,000				10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		10,000				10,000
Total		10,000				10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		10,000				10,000
Total		10,000				10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 30 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$15,000

Project # FCL 3100 002

Project Name REBUILD DRIVE - FINAL#1,#2,#3

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1903100

Description

ON HOLD. PURCHASED IN 1984. EST COST \$5,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance			15,000			15,000
Total			15,000			15,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND			15,000			15,000
Total			15,000			15,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000			15,000			15,000
Total			15,000			15,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Improvement

Useful Life 30 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$140,000

Project # FCL 3100 015

Project Name FINAL CLARIFIER REHAB PROJECT

Division WPC-PLANT

Object 5230.030 ENGINEERING

Location 1903100

Description

Final Clarifier Rehab Project - Weir replacement, floor repair, and painting in Clarifier 1-2.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Planning&Design	30,000	110,000				140,000
Total	30,000	110,000				140,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	30,000	110,000				140,000
Total	30,000	110,000				140,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5233.000: ENGINEERING	30,000	110,000				140,000
Total	30,000	110,000				140,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Improvement

Useful Life 30 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$1,260,000

Project # FCL 3100 016

Project Name FINAL CLARIFIER REHAB PROJECT

Division WPC-PLANT

Object 5776.000 BUILDINGS & IMPR

Location 1903100

Description

Final Clarifier Rehab Project - weir replacement, floor repair, painting Clarifier 1-2.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Buildings		1,260,000				1,260,000
Total		1,260,000				1,260,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		1,260,000				1,260,000
Total		1,260,000				1,260,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000		1,260,000				1,260,000
Total		1,260,000				1,260,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$12,000

Project # LAB 3700 006

Project Name HEATING & COOLING -LAB BLDG

Division WPC-PLANT

Object 5776.000 BUILDINGS & IMPR

Location 1903700

Description

PURCHASED IN 1980, REPLACED IN 2001 FOR \$9,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				12,000		12,000
Total				12,000		12,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				12,000		12,000
Total				12,000		12,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000				12,000		12,000
Total				12,000		12,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 15 years

Category 520520 WPCP EXP-TREATM

Priority Less Important

Status Active

Project # LAB 3700 008

Project Name AA SPEC - LAB BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1903700

Total Project Cost: \$60,000

Description

Y2K UPGRADE SOFTWARE(\$2,014) & 1994 LAB COMPUTER PUT ON MACHINE IN 8/24/99. ORIGINAL PURCHASE IN 1992. CURRENT COST \$60,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		60,000				60,000
Total		60,000				60,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		60,000				60,000
Total		60,000				60,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		60,000				60,000
Total		60,000				60,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Project # LAB 3700 024

Project Name INDUSTRIAL PRETREAT SOFTWARE - LAB BLDG

Division WPC-PLANT

Object 5734.000 COMPUTER SOFTW

Location 1903700

Total Project Cost: \$5,000

Description

SOFTWARE USED TO MONITOR ALL THE INDUSTRIAL CONTRIBUTORS IN THE CITY AND IS USED FOR OUR FEDERAL REPORTING REQUIREMENTS. PURCHASED IN 1999 FOR \$5,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			5,000			5,000
Total			5,000			5,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND			5,000			5,000
Total			5,000			5,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5741.000: COMPUTER SOFTWARE=>5,000			5,000			5,000
Total			5,000			5,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 5 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Project # LAB 3700 025

Project Name SCADA WONDERWARE SOFTWARE UPGRADE- LAB BLDG

Division WPC-PLANT

Object 5734.000 COMPUTER SOFTW

Location 1903700

Total Project Cost: \$145,000

Description

SYSTEM TO OPERATE AND LOG PLANT OPERATIONS, UPGRADED WITH Y2K SOFTWARE IN 1999. OTHER ADDITIONS IN 1998 INCLUDE: SS ANALYZER(\$2312), WEATHER STATION(\$2166), NUISANCE ALARMS(\$1728), 18TH AVE CONTROLS(\$3900). PURCHASED IN 1997 FOR \$200,000. WONDERWARE VERSION 9.5 UPGRADE NEEDED IN 2008. PROPOSAL # 060926DJO01. DUE TO WONDERWARE LICENSING THAT WILL NOT ALLOW US TO PURCHASE VERSION 10 AND INSTALLING 9.5, CITY TO BUY NEW IND. PC'S IN FY2010 AND THEN BUY NEW VERSION OF WONDERWARE.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		145,000				145,000
Total		145,000				145,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		145,000				145,000
Total		145,000				145,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5740.000: COMPUTER EQUIPMENT =>5,000		55,000				55,000
5741.000: COMPUTER SOFTWARE=>5,000		90,000				90,000
Total		145,000				145,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Less Important

Status Active

Total Project Cost: \$7,000

Project # LAB 3700 027
Project Name 60" LAB HOOD LAB BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1903700

Description

PURCHASE 2001 FOR \$7,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	7,000					7,000
Total	7,000					7,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	7,000					7,000
Total	7,000					7,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	7,000					7,000
Total	7,000					7,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$60,000

Project # PCL 4900 002

Project Name REBUILD #1,2,3 PRIMARY CLARIFIER

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904900

Description

REPLACE DRIVE CHAIN 1997-98 FLIGHTS 1991.

Rebuild #1,2,3 Primary Clarifier

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				60,000		60,000
Total				60,000		60,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				60,000		60,000
Total				60,000		60,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				60,000		60,000
Total				60,000		60,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Project # PCL 4900 007

Project Name REBUILD #4, 5 PRIMARY CLARIFIER

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Priority Critical

Location 1904900

Status Active

Total Project Cost: \$60,000

Description

REPLACE DRIVE CHAIN 1997-98 FLIGHTS 1991.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				60,000		60,000
Total				60,000		60,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				60,000		60,000
Total				60,000		60,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				60,000		60,000
Total				60,000		60,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 15 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Project # PCL 4900 011

Project Name PRIMARY VALVE ACTUATORS (5 per/year)-PRIMARIES

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904900

Total Project Cost: \$70,000

Description

THERE ARE TWO VALVE ACTUATORS PER PRIMARY PURCHASED SEPT. 2004. EST COST \$35,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		35,000	35,000			70,000
Total		35,000	35,000			70,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		35,000	35,000			70,000
Total		35,000	35,000			70,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		35,000	35,000			70,000
Total		35,000	35,000			70,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Improvement

Useful Life 40 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$40,000

Project # PCL 4900 013

Project Name PRIMARY CLARIFIER#1 WEIR REPLACEMENT

Division WPC-PLANT

Object 5776.000 BUILDINGS & IMPR

Location 1904900

Description

REPLACEMENT OF PRIMARY CLARIFIER WEIRS.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		40,000				40,000
Total		40,000				40,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		40,000				40,000
Total		40,000				40,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000		40,000				40,000
Total		40,000				40,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Unassigned

Useful Life

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$40,000

Project # PCL 4900 015

Project Name PRIMARY CLARIFIER #2 WEIR REPLACEMENT

Division WPC-PLANT

Object 5776.000 BUILDINGS & IMPR

Location 1904900

Description

Replace aluminum overflow weirs

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		40,000				40,000
Total		40,000				40,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		40,000				40,000
Total		40,000				40,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000		40,000				40,000
Total		40,000				40,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Unassigned

Useful Life

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$40,000

Project # PCL 4900 016

Project Name PRIMARY CLARIFIER #3 WEIR REPLACEMENT

Division WPC-PLANT

Object 5776.000 BUILDINGS & IMPR

Location 1904900

Description

Replace aluminum weir

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		40,000				40,000
Total		40,000				40,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		40,000				40,000
Total		40,000				40,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000		40,000				40,000
Total		40,000				40,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Maintenance

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$15,000

Project # PLM 4700 017

Project Name PUMP #4 REBUILD-PRELIM BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904700

Description

INSTALLED IN PEAK FLOW PROJECT 2012

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance		15,000				15,000
Total		15,000				15,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		15,000				15,000
Total		15,000				15,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		15,000				15,000
Total		15,000				15,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Maintenance

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$15,000

Project # PLM 4700 019

Project Name PUMP #5 REBUILD-PRELIM BLD

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904700

Description

INSTALLED IN PEAK FLOW PROJECT 2012

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance		15,000				15,000
Total		15,000				15,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		15,000				15,000
Total		15,000				15,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		15,000				15,000
Total		15,000				15,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Maintenance

Useful Life 8 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$11,100

Project # PLM 4700 021

Project Name REPLACE GRIT SNAIL BELT-PRELIM BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904700

Description

BELT REPLACED IN 1999. NEW BELT IS \$7,020.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance			11,100			11,100
Total			11,100			11,100

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND			11,100			11,100
Total			11,100			11,100

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000			11,100			11,100
Total			11,100			11,100

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 12 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$12,000

Project # PLM 4700 025

Project Name VFD REPLACEMENT(4,5,)-PRELIM BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904700

Description

PURCHASED IN 2001 FOR \$6,000 EACH.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				12,000		12,000
Total				12,000		12,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				12,000		12,000
Total				12,000		12,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				12,000		12,000
Total				12,000		12,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$24,000

Project # PLM 4700 028

Project Name VFD REPLACEMENT (1,2,3&6)-PRELIM BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904700

Description

PURCHASED IN 1998 FOR \$6,000 EACH.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		24,000				24,000
Total		24,000				24,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		24,000				24,000
Total		24,000				24,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		24,000				24,000
Total		24,000				24,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$40,000

Project # PLM 4700 032

Project Name MAU -3 REPLACEMENT-PRELIM BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904700

Description

PURCHASED SEPT. 2004 FOR \$40,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					40,000	40,000
Total					40,000	40,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					40,000	40,000
Total					40,000	40,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					40,000	40,000
Total					40,000	40,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Maintenance

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$10,000

Project # PLM 4700 033

Project Name MAU-3 REBUILD-PRELIM BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904700

Description

PURCHASED SEPT. 2004. REBUID IS EST. AT \$10,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance		10,000				10,000
Total		10,000				10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		10,000				10,000
Total		10,000				10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		10,000				10,000
Total		10,000				10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$15,000

Project # PLM 4700 034

Project Name SUPERVISORY CONTROL UPGRADE-PRELIM BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904700

Description

PURCHASED SEPT. 2004 FOR \$15,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		15,000				15,000
Total		15,000				15,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		15,000				15,000
Total		15,000				15,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		15,000				15,000
Total		15,000				15,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$50,000

Project # PLM 4700 035

Project Name VERTICAL TURBINE PUMP #1-PRELIM BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904700

Description

PURCHASED SEPT. 2004 FOR \$50,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					50,000	50,000
Total					50,000	50,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					50,000	50,000
Total					50,000	50,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					50,000	50,000
Total					50,000	50,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Maintenance

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$60,000

Project # PLM 4700 036

Project Name VERT TURBINE PUMP #1,#2,#3,#6 REBUILD-PRELIM BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904700

Description

INSTALLED SEPT. 2004. EST. REBUILD COST \$15,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance				60,000		60,000
Total				60,000		60,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				60,000		60,000
Total				60,000		60,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				60,000		60,000
Total				60,000		60,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$50,000

Project # PLM 4700 037

Project Name VERTICAL TURBINE PUMP#2 REPLAC-PRELIM BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904700

Description

PURCHASED SEPT. 2004 FOR \$50,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					50,000	50,000
Total					50,000	50,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					50,000	50,000
Total					50,000	50,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					50,000	50,000
Total					50,000	50,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$50,000

Project # PLM 4700 039

Project Name VERTICAL TURBINE PUMP #3 REPLA-PRELIM BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904700

Description

PURCHASED SEPT. 2004 FOR \$50,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					50,000	50,000
Total					50,000	50,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					50,000	50,000
Total					50,000	50,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					50,000	50,000
Total					50,000	50,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$50,000

Project # PLM 4700 041

Project Name VERTICAL TURBINE PUMP #6 REPLA-PRELIM BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904700

Description

PURCHASED IN SEPT. 2004 FOR \$50,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					50,000	50,000
Total					50,000	50,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					50,000	50,000
Total					50,000	50,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					50,000	50,000
Total					50,000	50,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 30 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Project # PLM 4700 045

Project Name BIOSOLIDS LOADING PUMP #1,#2 -PRELIM BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904700

Total Project Cost: \$20,000

Description

PUMP USED TO PUMP BIOSOLIDS INTO TRUCKS FOR LAND APPLICATION COST: PURCHASED IN 1987 FOR \$10,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	20,000					20,000
Total	20,000					20,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	20,000					20,000
Total	20,000					20,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	20,000					20,000
Total	20,000					20,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Maintenance

Useful Life 15 years

Category 520520 WPCP EXP-TREATM

Priority Not Applicable

Status Active

Total Project Cost: \$6,000

Project # PLM 4700 050

Project Name REPLACE PIPE SUPPORTS - PRELIM BLDG

Division WPC-PLANT

Object 5776.000 BUILDINGS & IMPR

Location 1904700

Description

REPLACE RUSTING PIPE SUPPORTS ON TEA CUP LEVEL. (6)

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance				6,000		6,000
Total				6,000		6,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				6,000		6,000
Total				6,000		6,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000				6,000		6,000
Total				6,000		6,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 15 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Project # PLM 4700 051

Project Name PRELIM VALVE ACTUATOR TO FEB

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904700

Total Project Cost: \$10,000

Description

SAFETY ISSUE- VALVE ACTUATOR ON THE VALVE THAT CONTROLS THE FLOW OF WASTEWATER FROM #6 PUMP TO PLANT OF FEB. Valve cost is \$6300 + cost to wire and install (\$3700) Total \$10,000

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					10,000	10,000
Total					10,000	10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					10,000	10,000
Total					10,000	10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					10,000	10,000
Total					10,000	10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 15 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$13,000

Project # PLM 4700 053

Project Name SLUDGE LOADING FLOW METER

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904700

Description

REPLACEMENT OF FLOW METER AND BATCH CONTROLLER

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					13,000	13,000
Total					13,000	13,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					13,000	13,000
Total					13,000	13,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					13,000	13,000
Total					13,000	13,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 25 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$23,000

Project # PLM 4700 066

Project Name HEADWORKS EQUIP REPL PROJECT

Division WPC-PLANT

Object 5230.030 ENGINEERING

Location 1904700

Description

Headworks Equipment Replacement Project - Engineering (with Digester work included)

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Planning&Design	23,000					23,000
Total	23,000					23,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	23,000					23,000
Total	23,000					23,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5233.000: ENGINEERING	23,000					23,000
Total	23,000					23,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 25 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$8,000,000

Project # PLM 4700 067

Project Name HEADWORKS EQUIP REPL PROJECT

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904700

Description

Headworks Equipment Replacement Project - includes Prelim equipment and Digester painting

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			8,000,000			8,000,000
Total			8,000,000			8,000,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND			8,000,000			8,000,000
Total			8,000,000			8,000,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000			8,000,000			8,000,000
Total			8,000,000			8,000,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 15 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Project # PLT 4500 001

Project Name PLANT SECURITY-PLANT

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904500

Total Project Cost: \$50,000

Description

POWERED ENTRY GATE FOR SECURITY & VIDEO CAMERAS (removed from budget in fy 2006 & fy2007 by City Administrator) EST COST AT \$40,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					50,000	50,000
Total					50,000	50,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					50,000	50,000
Total					50,000	50,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					50,000	50,000
Total					50,000	50,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 15 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$8,000

Project # PLT 4500 005

Project Name VALVE EXERCISER-PLANT

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904500

Description

ELECTRIC POWERED WRENCH TO EXERCISE VALVES. EST COST \$8,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				8,000		8,000
Total				8,000		8,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				8,000		8,000
Total				8,000		8,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				8,000		8,000
Total				8,000		8,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Maintenance

Useful Life

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$100,000

Project # **PLT 4500 010**
Project Name **CONCRETE REPAIR PROGRAM-PLANT**

Division WPC-PLANT

Object 5776.000 BUILDINGS & IMPR

Location 1904500

Description
REPAIR OF DRIVEWAYS AND SIDEWALKS

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance	30,000					30,000
Total	30,000					30,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	30,000					30,000
Total	30,000					30,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000	30,000					30,000
Total	30,000					30,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Maintenance

Useful Life

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$760,000

Project # **PLT 4500 011**
Project Name **CONCRETE TANK REPAIR PROGRAM-PLANT**

Division WPC-PLANT

Object 5230.030 ENGINEERING

Location 1904500

Description
REPAIR CONCRETE SPALLING ON AERATION TANK AREA, AND PRIMARY TANKS

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance	200,000					200,000
Total	200,000					200,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	200,000					200,000
Total	200,000					200,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5776.000: BUILDINGS & IMPROVEMENTS=>5,000	200,000					200,000
Total	200,000					200,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Project # PLT 4500 012

Project Name INDUSTRIAL PC REPLACEMENT-ALL

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904500

Total Project Cost: \$100,000

Description

REPLACEMENT OF INDUSTRIAL PC IN EACH MCC LOCATION (7). PLUS 3 STANDARD COMPUTERS.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				100,000		100,000
Total				100,000		100,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				100,000		100,000
Total				100,000		100,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				100,000		100,000
Total				100,000		100,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Project # PLT 4500 018

Project Name RIVER GAUGE STATION-TELEMETRY

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904500

Total Project Cost: \$9,000

Description

RADIO TELEMETRY FROM RIVER GAUGE STATION TO PLANT SCADA SYSTEM. CONTROLS EFFLUENT GATE AND STORM WATER STATION. INSTALLED IN 2009

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	9,000					9,000
Total	9,000					9,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	9,000					9,000
Total	9,000					9,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	9,000					9,000
Total	9,000					9,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 10 years

Category 0011010 GEN'L-POLICE AD

Priority Critical

Status Active

Total Project Cost: \$9,000

Project # PLT 4500 019

Project Name INDUSTRIAL PC REPLACEMENT FOR SCPC-B

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904500

Description

REPLACE VERSA VIEW THAT FAILED-2009

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	9,000					9,000
Total	9,000					9,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	9,000					9,000
Total	9,000					9,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	9,000					9,000
Total	9,000					9,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$15,000

Project # PLT 4500 020

Project Name JBS LAGOON-TELEMETRY

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904500

Description

RADIO TELEMETRY UPGRADE TO NEW FCC REQUIREMENTS

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				15,000		15,000
Total				15,000		15,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				15,000		15,000
Total				15,000		15,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				15,000		15,000
Total				15,000		15,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Maintenance

Useful Life 5 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Project # PLT 4500 021

Project Name MCC ELECTRICAL MAINTENANCE-PLANT

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1901100

Total Project Cost: \$130,000

Description

CONTRACT ELECTRICAL SERVICES TO INSPECT AND MAINTAIN ALL MOTOR CONTROL CENTERS AT THE PLANT

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Maintenance	20,000					20,000
Total	20,000					20,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	20,000					20,000
Total	20,000					20,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	20,000					20,000
Total	20,000					20,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 25 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$50,000

Project # PLT 4500 151

Project Name CAPACITOR BANK PROJ

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904500

Description

Capacitor Bank installation, in conjunction with Alliant Energy Transformer Upgrade

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		50,000				50,000
Total		50,000				50,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		50,000				50,000
Total		50,000				50,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		50,000				50,000
Total		50,000				50,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$25,000

Project # SBB 1100 012

Project Name RAW PUMP #2 REPLACEMENT-SBR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1901100

Description

PURCHASED IN 1991 FOR \$10,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	25,000					25,000
Total	25,000					25,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	25,000					25,000
Total	25,000					25,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	25,000					25,000
Total	25,000					25,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 15 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$6,000

Project # SBB 1100 021

Project Name GAS MONITOR-SBR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1901100

Description

INSTALLED IN 1991. RESEARCH IF WE NEED A CHLORINE MONITOR AS WELL

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					6,000	6,000
Total					6,000	6,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					6,000	6,000
Total					6,000	6,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					6,000	6,000
Total					6,000	6,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$20,000

Project # SBB 1100 023

Project Name SUPERVISORY CONTROLS/COMPUTER-SBR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1901100

Description

NEW PLC AND COMPUTER IN 2002. COST IS \$20,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		20,000				20,000
Total		20,000				20,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		20,000				20,000
Total		20,000				20,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		20,000				20,000
Total		20,000				20,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 15 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Project # SBB 1100 031

Project Name SBR Blowe-SBR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1901100

Total Project Cost: \$100,000

Description

BLOWER C-Standby-Blower COST: \$25000 PURCHASE DATE: 11/22/1991 SERIAL NUMBER: 90/121/2177

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	50,000					50,000
Total	50,000					50,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	50,000					50,000
Total	50,000					50,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	50,000					50,000
Total	50,000					50,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$2,000

Project # SBB 1100 037

Project Name PC UPGRADE-SBR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1901100

Description

UPGRADE THE SCADA COMPUTER IN THE SBR BUILDING.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		2,000				2,000
Total		2,000				2,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		2,000				2,000
Total		2,000				2,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		2,000				2,000
Total		2,000				2,000

City Capital Plan Equipment Replacment

FY '21 thru FY '25

City of Marshalltown, Iowa

Project #SBR 5500 001

Project NameREPLACE SBR DIFFUSERS-SBR TANKS#2

DivisionWPC-PLANT

Object5600.000 OPERATING SUPPLI

Location1905500

DepartmentWPCP

Contact

TypeEquipment

Useful Life2 years

Category520520 WPCP EXP-TREATM

PriorityCritical

StatusActive

Description

Total Project Cost: \$0

REPLACING JUST ONE TANKS WORTH (2300 MEMBRANES) COST: \$10300

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	0	0				0
Total	0	0				0

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$25,000

Project # SBR 5500 002

Project Name REPLACE SBR MIXER #1-SBR TANK#1

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1905500

Description

PURCHASED IN 1992 FOR \$25,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	25,000					25,000
Total	25,000					25,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	25,000					25,000
Total	25,000					25,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	25,000					25,000
Total	25,000					25,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$38,000

Project # SBR 5500 006

Project Name REPLACE SBR DECANTOR #1-SBR TANK #1

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1905500

Description

PURCHASED IN 1992 FOR \$38,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				38,000		38,000
Total				38,000		38,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				38,000		38,000
Total				38,000		38,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				38,000		38,000
Total				38,000		38,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$38,000

Project # SBR 5500 007

Project Name REPLACE SBR DECANTOR #2-SBR TANK #2

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1905500

Description

PURCHASED IN 1992 FOR \$38,000

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				38,000		38,000
Total				38,000		38,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				38,000		38,000
Total				38,000		38,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				38,000		38,000
Total				38,000		38,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 30 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$200,000

Project # SBR 5500 035

Project Name SBR AERATION SYSTEM REPLACEMENT

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1905500

Description

Replacement of original constructed aeration grid from 1989.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			200,000			200,000
Total			200,000			200,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND			200,000			200,000
Total			200,000			200,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 30 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$200,000

Project # SBR 5500 060

Project Name MCC J&K REPLACEMENT - SBR

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1905500

Description

MCC J&K REPLACEMENT - SBR

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		100,000	100,000			200,000
Total		100,000	100,000			200,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		100,000	100,000			200,000
Total		100,000	100,000			200,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		100,000	100,000			200,000
Total		100,000	100,000			200,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$5,700

Project # SCB 5300 010

Project Name WASTING PUMP #1 REPLACEMENT-SECONDARY CONTR B

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1905300

Description

REPLACED IN 2004 FOR \$5,700.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				5,700		5,700
Total				5,700		5,700

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				5,700		5,700
Total				5,700		5,700

Budget Impact/Other

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 20 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$5,700

Project # SCB 5300 012

Project Name WASTING PUMP #2 REPLACEMENT-SECONDARY CONTR B

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1905300

Description

PURCHASED IN 2004 FOR \$5,700.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				5,700		5,700
Total				5,700		5,700

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				5,700		5,700
Total				5,700		5,700

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				5,700		5,700
Total				5,700		5,700

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 12 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$36,000

Project # SCB 5300 023

Project Name JET PUMP #1A,#2A,#3A VFD-SECONDARY CONTR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1905300

Description

Justification

Drive taken from Prelim pumps. Is used

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		36,000				36,000
Total		36,000				36,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		36,000				36,000
Total		36,000				36,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		36,000				36,000
Total		36,000				36,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 15 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$12,000

Project # SCB 5300 024

Project Name JET PUMP #1B VFD-SECONDARY CONTR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1905300

Description

Used from Prelim pumps

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		12,000				12,000
Total		12,000				12,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		12,000				12,000
Total		12,000				12,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		12,000				12,000
Total		12,000				12,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$15,000

Project # SCB 5300 032

Project Name SUPERVISORY CONTROL UPGRADE-SECONDARY CONTR

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1905300

Description

PURCHASED IN 2004 FOR \$15,000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		15,000				15,000
Total		15,000				15,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		15,000				15,000
Total		15,000				15,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		15,000				15,000
Total		15,000				15,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Not Applicable

Status Active

Project # SCB 5300 033

Project Name INDUSTRIAL PC UPGRADE-SECONDARY CONTR BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1905300

Total Project Cost: \$12,500

Description

UPGRADE THE COMPUTER AND MONITOR FOR THE SECONDARY CONTROL BUILDING. PROPOSAL 060303DJO02 REV.1

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		12,500				12,500
Total		12,500				12,500

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		12,500				12,500
Total		12,500				12,500

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		12,500				12,500
Total		12,500				12,500

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 37

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$75,000

Project # SCB 5300 16

Project Name REPLACE JET PUMP/MOTOR #1A

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1905300

Description

UNIT NEW IN 1982

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				75,000		75,000
Total				75,000		75,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				75,000		75,000
Total				75,000		75,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				75,000		75,000
Total				75,000		75,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 40 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$75,000

Project # SCB 5300 17

Project Name REPLACE JET PUMP/MOTOR #1B

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1905300

Description

UNIT NEW IN 1982

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		75,000				75,000
Total		75,000				75,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		75,000				75,000
Total		75,000				75,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		75,000				75,000
Total		75,000				75,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 37

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$75,000

Project # SCB 5300 18

Project Name REPLACE JET PUMP/MOTOR #2A

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1905300

Description

UNIT NEW IN 1982

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					75,000	75,000
Total					75,000	75,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					75,000	75,000
Total					75,000	75,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					75,000	75,000
Total					75,000	75,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 40 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$75,000

Project # SCB 5300 19

Project Name REPLACE JET PUMP/MOTOR #2B

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1905300

Description

UNIT NEW IN 1982

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		75,000				75,000
Total		75,000				75,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		75,000				75,000
Total		75,000				75,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		75,000				75,000
Total		75,000				75,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 37

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$75,000

Project # SCB 5300 20

Project Name REPLACE JET PUMP/MOTOR #3A

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1905300

Description

UNIT NEW IN 1982

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				75,000		75,000
Total				75,000		75,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				75,000		75,000
Total				75,000		75,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				75,000		75,000
Total				75,000		75,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 40 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$75,000

Project # SCB 5300 21

Project Name REPLACE JET PUMP/MOTOR #3B

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1905300

Description

UNIT NEW IN 1982

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				75,000		75,000
Total				75,000		75,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				75,000		75,000
Total				75,000		75,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				75,000		75,000
Total				75,000		75,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 15 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$12,000

Project # SCB 5300 29A

Project Name JET PUMP # 3B VFD-SECONDARY CONTRO BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1905300

Description

USED DRIVE FROM PRELIM PUMPS

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		12,000				12,000
Total		12,000				12,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		12,000				12,000
Total		12,000				12,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		12,000				12,000
Total		12,000				12,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Improvement

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$10,000

Project # SLO 4000 004

Project Name AERATION MIXER-LIME SILO

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1904000

Description

MIXING DEVICE TO KEEP LIME FROM NOT DROPPING IN HOPPER. \$8000.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				10,000		10,000
Total				10,000		10,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				10,000		10,000
Total				10,000		10,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				10,000		10,000
Total				10,000		10,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 15 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$8,500

Project # STP 6100 006

Project Name SLUDGE FLOW METER-SLUDGE TRANSFER BLDG

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1906100

Description

NEW IN 1997, FOR \$8,500.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings				8,500		8,500
Total				8,500		8,500

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND				8,500		8,500
Total				8,500		8,500

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000				8,500		8,500
Total				8,500		8,500

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 6 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Total Project Cost: \$30,000

Project # VEH 8100 003

Project Name LAB VAN-VEHICLE

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1908100

Description

PURCHASED IN 2005 FOR \$20,000. WILL TRADE IN 2012 FOR APPROX. \$6,000

Justification

TRADE IN TO PURCHASE AN SUV TO BE MORE USEFUL ALL AROUND FOR MAINTENANCE

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings			30,000			30,000
Total			30,000			30,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND			30,000			30,000
Total			30,000			30,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000			30,000			30,000
Total			30,000			30,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 10 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Project # VEH 8100 006

Project Name OPERATIONS VEHICLE(MULE)-VEHICLE

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1908100

Total Project Cost: \$9,500

Description

PURCHASED IN 1998 FOR \$5,500. REPLACEMENT\$9575-\$1000 TRADE-IN. Replaced unit in 2011 with John Deere GATOR

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings	9,500					9,500
Total	9,500					9,500

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND	9,500					9,500
Total	9,500					9,500

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000	9,500					9,500
Total	9,500					9,500

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 15 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Project # WHT 8800 001

Project Name WASTE HOLDING PUMP #2

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1908800

Total Project Cost: \$4,000

Description

FLYGT SUBMERSIBLE PUMP AND RAIL SYSTEM. REPLACING THE OLD HYDROMATIC PUMPS. NEW 8-1-2006. REPLACE JUST PUMP IN 2022

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings		4,000				4,000
Total		4,000				4,000

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND		4,000				4,000
Total		4,000				4,000

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000		4,000				4,000
Total		4,000				4,000

City Capital Plan Equipment Replacment
City of Marshalltown, Iowa

FY '21 thru FY '25

Department WPCP

Contact

Type Equipment

Useful Life 15 years

Category 520520 WPCP EXP-TREATM

Priority Critical

Status Active

Project # WHT 8800 002

Project Name WASTE HOLDING PUMP #1

Division WPC-PLANT

Object 5749.000 OTHER CAPITAL EQ

Location 1908800

Total Project Cost: \$6,300

Description

CURRENTLY A HYDROMATIC PUMP. AND WE HAVE A SPARE. WILL NOT CHANGE TO A FLYGT PUMP TILL HYDROMATIC FAILS. IN BUDGET FOR 09, BUT WILL NOT BE PURCHASED TILL PUMPS FAIL. REPLACED FY2010.

Justification

Expenditures	FY '21	FY '22	FY '23	FY '24	FY '25	Total
Equip/Vehicles/Furnishings					6,300	6,300
Total					6,300	6,300

Funding Sources	FY '21	FY '22	FY '23	FY '24	FY '25	Total
612 - WPCP REVENUE FUND					6,300	6,300
Total					6,300	6,300

Budget Impact/Other

Budget Items	FY '21	FY '22	FY '23	FY '24	FY '25	Total
5750.000: OTHER CAPITAL EQUIPMENT=>5,000					6,300	6,300
Total					6,300	6,300

MARSHALLTOWN

I O W A

Joel Greer, Mayor
Jessica Kinser, Administrator
Diana Steiner, Finance Director
24 North Center Street
Marshalltown, IA 50158-4911
Tel - (641) 754-5760
Fax - (641) 754-5781

FINANCE DEPARTMENT

January 7, 2021

To: Mayor Joel Greer
Members of the City Council

From: Diana Steiner, Finance Director

Re: Discussion on Mayor and Council General Fund Budgets

Policy Issue: Council approves budget amendments and budget certifications.

Recommendation: Staff would like approval or direction of any changes the Mayor and Council would like on the FY21 Budget Amendment and/or FY22 Budget Request for their General Fund budgets.

Background: As part of the budgeting process, the City Administrator and Finance Director meet with every department on their budgets. Staff are bringing forward the Mayor and Council General Fund budgets for your review. The first column of amounts reflects the actual revenues and expenses from last fiscal year (FY20). The second column is the adopted budget for the current fiscal year (FY21) approved by Council last March. The third column reflects the actual revenues and expenses accumulated this fiscal year (July-Dec). The fourth column is the proposed budget amendment for this current fiscal year. The fifth column is the proposed budget for next fiscal year. The sixth and seventh columns show the change between the FY22 budget and the FY21 Budget Amendment.

Staff have incorporated the salary increases for the Mayor and Council that will go into effect Jan. 1, 2022. The Mayor's annual salary will increase from \$7,500 to \$11,000 and Council members' salaries will increase from \$3,000 to \$5,500. Of course, the salary increases only have a 6-month impact for FY22's budget since the increase becomes effective half way through the fiscal year.

The other major increase in the Council's budget is an allocation of \$4,000 to replace 20 tables in Council Chambers in FY21.

As of January 7, 2021, the City is still waiting on the property tax valuations from the County, so the entire General Fund budget is not put together yet. There may be more changes needed once the valuations are known, but this gives staff direction for what the Mayor and Council budgets should be.

Budget Impact: Depends on any changes Council would request.

Attachment: Mayor and Council General Fund Budgets.

cc: Jessica Kinser, City Administrator



City of Marshalltown, IA

Budget Comparison Report

Account Summary

					Comparison 1 Budget	Comparison 1 to Parent Budget	%
					Parent Budget	Increase / (Decrease)	
Account Number		2019-2020 Total Activity	2020-2021 Total Budget	2020-2021 YTD Activity Through Dec	2020-2021 FY2021 Amend...	2021-2022 FY2022 Dept Request	
Fund: 001 - GENERAL FUND							
Function: 6010 - Mayor							
Revenue							
001.6010.4875.000	REFND/REIMB: MAYOR	15.85	0.00	0.00	0.00	0.00	0.00%
	Total Revenue:	15.85	0.00	0.00	0.00	0.00	0.00%
Expense							
001.6010.5030.070	PART-TIME TEMPORARY	7,500.00	7,500.00	3,756.00	7,500.00	9,250.00	23.33%
Budget Notes							
Budget Code							
FY2022 Dept Request							
	Subject	Description					
	Mayor salary increase 1/1/22	Mayor salary increase 1/1/22 to \$11,000 annual					
001.6010.5102.070	MEDICARE-TEMPORARY	108.85	108.75	54.51	108.75	134.13	23.34%
001.6010.5111.070	IPERS-PT TEMP	708.07	708.00	354.60	708.00	873.20	23.33%
001.6010.5123.070	WORKCOMP-TEMPORARY	5.01	11.21	2.48	11.21	13.83	23.37%
001.6010.5230.000	CONSULTING & PROF FEES	2,500.00	0.00	0.00	0.00	0.00	0.00%
001.6010.5280.000	DUES, MEMBER, SUBSCRIPTN	0.00	1,000.00	350.00	1,000.00	1,000.00	0.00%
001.6010.5300.000	INSURANCE - TORT LIAB	71.94	78.00	0.00	79.00	79.00	0.00%
001.6010.5450.000	TELEPHONE/OTHR COMMNCTN	392.54	400.00	194.05	400.00	400.00	0.00%
001.6010.5460.000	CONFERENCE EXPENSE	0.00	1,500.00	0.00	1,500.00	1,500.00	0.00%
001.6010.5600.000	OPERATING SUPPLIES	0.00	250.00	0.00	250.00	250.00	0.00%
	Total Expense:	11,286.41	11,555.96	4,711.64	11,556.96	13,500.16	16.81%
	Total Function: 6010 - Mayor:	-11,270.56	-11,555.96	-4,711.64	-11,556.96	-13,500.16	16.81%
Function: 6011 - Council							
Expense							
001.6011.5030.070	PART-TIME TEMPORARY	21,000.00	21,000.00	10,502.24	21,000.00	29,750.00	41.67%
Budget Notes							
Budget Code							
FY2022 Dept Request							
	Subject	Description					
	Council salary increase 1/1/22	Council salary increase 1/1/22 to \$5,500 annual					
001.6011.5101.070	SOCIAL SECURITY-PT TEMP	836.75	744.00	371.96	744.00	744.00	0.00%
001.6011.5102.070	MEDICARE-TEMPORARY	304.01	304.50	152.04	304.50	431.38	41.67%
001.6011.5111.070	IPERS-PT TEMP	707.97	849.60	424.89	849.60	849.60	0.00%
001.6011.5123.070	WORKCOMP-TEMPORARY	14.00	31.40	7.28	31.40	44.48	41.66%

Budget Comparison Report

					Comparison 1	Comparison 1		
					Parent Budget	Budget	to Parent Budget	%
					2020-2021	2021-2022	Increase /	
					FY2021 Amend...	FY2022 Dept	(Decrease)	
						Request		
Account Number		2019-2020	2020-2021	2020-2021				
		Total Activity	Total Budget	YTD Activity				
				Through Dec				
001.6011.5230.000	CONSULTING & PROF FEES	2,000.00	1,000.00	1,150.00	1,150.00	1,200.00	50.00	4.35%
Budget Notes								
Budget Code	Subject	Description						
FY2021 Amendment 1	Strategic Planning	Strategic Planning						
FY2022 Dept Request	Strategic Planning	Strategic Planning						
001.6011.5300.000	INSURANCE - TORT LIAB	416.67	442.00	0.00	458.00	458.00	0.00	0.00%
001.6011.5331.000	PAYMENTS - OTHER ENTITIES	1,071.84	500.00	556.24	1,200.00	1,200.00	0.00	0.00%
Budget Notes								
Budget Code	Subject	Description						
FY2021 Amendment 1	Virtual meeting fees	Virtual meeting fees						
FY2022 Dept Request	Virtual meetings	Virtual meetings						
001.6011.5460.000	CONFERENCE EXPENSE	560.00	1,750.00	0.00	1,750.00	1,750.00	0.00	0.00%
001.6011.5600.000	OPERATING SUPPLIES	0.00	200.00	0.00	20.00	200.00	180.00	900.00%
Budget Notes								
Budget Code	Subject	Description						
FY2021 Amendment 1	Nameplate for new council member	Nameplate for new council member						
001.6011.5605.000	OFFICE SUPPLIES	37.45	0.00	0.00	0.00	0.00	0.00	0.00%
001.6011.5702.000	MINOR OFFICE FURN/EQUIP	0.00	0.00	0.00	4,000.00	0.00	-4,000.00	-100.00%
Budget Notes								
Budget Code	Subject	Description						
FY2021 Amendment 1	Council chamber tables 20 X \$188	Council chamber tables 20 X \$188						
Total Expense:		26,948.69	26,821.50	13,164.65	31,507.50	36,627.46	5,119.96	16.25%
Total Function: 6011 - Council:		26,948.69	26,821.50	13,164.65	31,507.50	36,627.46	5,119.96	16.25%
Total Fund: 001 - GENERAL FUND:		-38,219.25	-38,377.46	-17,876.29	-43,064.46	-50,127.62	-7,063.16	16.40%