

**CITY OF STORM LAKE
REGULAR COUNCIL MEETING, DUE TO COVID-19, THIS
MEETING WILL BE A TELEPHONIC MEETING ONLY ~ DIAL
IN TO PARTICIPATE: 1-408-418-9388 ACCESS CODE: 146 514 7318
FEBRUARY 15, 2021
5:00 PM**



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

AGENDA

<https://stormlake.webex.com/stormlake/j.php?MTID=mca24a1540d06a045350f9e1a3b1bcd9d>

- A. Pledge of Allegiance
- B. **Consideration of Changes in Agenda and Setting the Agenda**
- C. **Disclosure by City Council Members**
- 1. Hear the Public
- 2. Consent Agenda
 - A. **Approve Consent Agenda**
 - B. **Buy Local Information**
 - C. **SLPD City Code Enforcement Summary**
- 3. Unfinished Business
 - D. **Resolution No. 39-R-2020-2021 Considering Iowa Department of Natural Resources Marina Operator Agreement**
 - E. **Resolution No. 40-R-2020-2021 Considering the Storm Lake Marina Contracts For The 2021 Season**
- 4. **Resolution No. 44-R-2020-2021 Formally Naming Kiwanis Park**
- 5. **Resolution No. 45-R-2020-2021 to Accept Bids, Award and Approve Contract with Christiansen Construction, Of Pender, Nebraska, For The Radio Park Lift Station Project**
- 6. **Public Hearing On The Authorization Of A Loan Agreement And The Issuance Of Not To Exceed \$8,100,000 General Obligation Refunding Capital Loan Notes To Evidence The Obligation Of The City Thereunder And**
Resolution No. 46-R-2020-2021 Instituting Proceedings To Take Additional Action.
- 7. **Public Hearing for the Oneida Street Reconstruction Project Plans, Specifications, and Form of Contract**
- 8. **Resolution No. 47-R-2020-2021 Awarding the Bid for the Oneida Street Reconstruction Project Plans, Specifications, and Form of Contract**
- 9. **Motion Setting the Public Hearing for the 2021 CIPP Sanitary Sewer Improvements Plans, Specifications, and Form of Contract**
- 10. **Motion Setting the Public Hearing for the Expansion Boulevard Sewer Rehabilitation Plans, Specifications, and Form of Contract**
- 11. **General Fund Operations and Maintenance Budget Work Session**
- 12. **City Council Requested Items**
- 13. Adjourn

Meeting Protocol

If you wish to speak today, please:

- 1. To speak on an agenda item please approach the podium when that agenda item is called and upon recognition by the Mayor identify yourself by stating your name and address.
- 2. If your issue is not a topic on the agenda please approach the podium under the "Hear the Public" agenda item and upon recognition by the Mayor identify yourself by stating your name and address.

3. Please keep your remarks to three (3) minutes or less.

4. If you require accommodation for this meeting including but not limited to translation services, hearing assistance, or accessibility please contact the City Clerk at least four (4) hours prior to the start of the meeting.

**If you have concerns about any of the items on the consent agenda, they may be separated from the consent agenda and voted on individually.*

***Ordinances may be read at three consecutive meetings or readings may be waived and ordinances may be passed at only one or two meetings.*



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Staff Summary

2/15/2021

Agenda Item # B.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM:

SUBJECT: Consideration of Changes in Agenda and Setting the Agenda

BACKGROUND:

FISCAL IMPACT:

RECOMMENDATION:

Staff Summary

2/15/2021

Agenda Item # C.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
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REPORT TO: Honorable Mayor and City Council

FROM:

SUBJECT: Disclosure by City Council Members

BACKGROUND:

FISCAL IMPACT:

RECOMMENDATION:

Staff Summary

2/15/2021

Agenda Item # A.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: Mayra Martinez, City Clerk

SUBJECT: **Approve Consent Agenda**

BACKGROUND: The Consent Agenda Includes:

- List of bills for approval
- King's Pointe and Sunrise Pointe disbursements for approval
- Approve the February 1, 2021 City Council Minutes
- Acknowledge the Airport Commission and Library Board January 2021 Minutes
- Approve Renewal Liquor License for Boathouse and Dollars General #1047
- Approve the Code Enforcement Summary (see staff summary)

FISCAL IMPACT: The City will pay the following expenditures:

- List of Bills - - \$477,884.07
- King's Pointe & Sunrise Pointe Golf Course Bills - \$117,470.43

The City will receive the following revenues:

- Liquor License Renewal - \$1145.00

RECOMMENDATION: Approve Consent Agenda

ATTACHMENTS:

Description	Type
☐ List of Bills	List of Bills
☐ Minutes - February 1, 2021	Minutes
☐ King's Pointe and Golf Course - List of Bills	List of Bills
☐ Library Board January 2021 Minutes	Minutes
☐ Airport Minutes January 2021	Minutes
☐ Boathouse 2021 Liquor Report	Application
☐ Boathouse 2021 Liquor Report	Backup Material
☐ Dollar General Store 2021 Liquor Application	Application



Storm Lake, IA

My Buy Local_v1

Payment Date Range: 02/04/2021 - 02/17/2021

Vendor Name	Buy Local Info	Payable Description	Total Payments
BVC			
Hare Painting & Sandblasting	BVC	Sandblasting & Painting Services	5,800.00
Power Solutions, Inc	BVC	Ballast Repairs	441.75
Alan Slight	BVC	3/20/2021 Testing Proctor	75.00
Buena Vista County Solid Waste	BVC	Recycling	66.56
	BVC Total:	6,383.31	
Contract/Agreement			
I & S Group, Inc	Contract/Agreement	Risk & Resilience Assessment- Water	8,508.55
Bolton & Menk, Inc	Contract/Agreement	Permit Fee & DOT Review	6,658.09
I & S Group, Inc	Contract/Agreement	Resident Observation	1,401.18
Reding's Gravel & Excavating Co., Inc	Contract/Agreement	Rock	772.73
Bolton & Menk, Inc	Contract/Agreement	Construction Services	697.50
I & S Group, Inc	Contract/Agreement	Construction Services	569.50
Bolton & Menk, Inc	Contract/Agreement	General Engineering	310.00
Reding's Gravel & Excavating Co., Inc	Contract/Agreement	Scale Fees	99.00
	Contract/Agreement Total:	19,016.55	
Local			
Hawk-I Plumbing Inc	Local	Mini Split AC Unit at Chautauqua Park Shelter	20,033.68
Star Energy, LLC	Local	Fuel	9,606.85
Storm Lake Industrial Corporation	Local	4th Installment FY2021	8,333.33
Alliant Energy	Local	Gas Services	7,515.38
Jim Bartholomew	Local	February 2021 Airport Contract	5,615.50
Deere Credit, Inc	Local	Stabilizer Cylinder Repairs	4,673.63
Rebnord Technologies, Inc	Local	IT Service Agreement	3,862.50
Leo's Kitchens, Inc	Local	Counter Top Replacement	3,320.00
Verizon Wireless Services LLC	Local	Cell Phone Service	2,847.52
Philip E Havens	Local	Legal Services	2,803.42
Vanish LLC	Local	January 2021 Towing Services	2,000.00
Plumbing & Heating Wholesale, Inc	Local	HVAC	1,479.70
Larson Oil & Distributing Co, Inc	Local	Propane	1,459.50
Long Lines	Local	Fax Line & Emergency Line Service	1,405.17
Buena Vista Regional Medical Center	Local	10/20/20 Physical- Engelke	1,124.00
North Lake Truck Repair	Local	Intake Sensor Repairs	922.25
Garbage Hauling Service Inc	Local	Garbage Service	894.00
Storm Lake Hydraulics Co, Inc	Local	Cylinder	1,124.22
Deere Credit, Inc	Local	Weight Kit	524.68
Storm Lake Ace Hardware	Local	Supplies	498.44
Iowa Office Supply Inc	Local	Face Masks	427.50
Rebnord Technologies, Inc	Local	Printer	339.00
Vetter Equipment	Local	Wood Cutters & Helmet	267.95
North Lake Truck Repair	Local	Serviced F750	225.13
Rent-All, Inc	Local	Scissor Lift Rental	190.00
Plumbing & Heating Wholesale, Inc	Local	Pipe Supplies	146.48
Color-ize Inc	Local	Stand Up Award	141.25
Qwest Corporation	Local	Phone Service	129.01
O'Reilly Automotive Inc	Local	Floormat	116.53
Plumbing & Heating Wholesale, Inc	Local	Pipe Supplies	107.43
Vetter Equipment	Local	Filters	91.52
Storm Lake Hydraulics Co, Inc	Local	Supplies	82.68
Kelly Johnson	Local	Janaury 2021 Punches	80.00
Rebnord Technologies, Inc	Local	Monitor Stands	77.78
Marilyn Fields	Local	3/20/2021 Testing Proctor	75.00
La Juanita	Local	1/28/2021 Safety Bingo	73.50
A & A Automotive	Local	Serviced #138	72.94

My Buy Local_v1

Payment Date Range: 02/04/2021 - 02/17/2021

Vendor Name	Buy Local Info	Payable Description	Total Payments
Visual Edge Inc	Local	Copier Maintenance Agreement	72.04
Fastenal Company	Local	Supplies	71.58
Wiese Plumbing & Heating, Inc	Local	Sink Repairs	71.50
O'Reilly Automotive Inc	Local	Wiper Blades	60.78
MidAmerican Energy Company	Local	Electric Services	60.18
Dennis R Julius	Local	January 2021 Entrance Mat Services	60.00
Sandra Armenta	Local	Interpretation Services	50.00
Iowa Office Supply Inc	Local	Time Cards	49.95
Visual Edge Inc	Local	Copier Maintenance Agreement	89.02
Dennis R Julius	Local	Laundry Services	39.00
Plumbing & Heating Wholesale, Inc	Local	Pipe Supplies	38.43
Visual Edge Inc	Local	Copier Maintenance Agreement	36.06
Plumbing & Heating Wholesale, Inc	Local	Gauge	58.16
Edwards Storm Lake	Local	Supplies	26.44
Visual Edge Inc	Local	Copier Maintenance Agreement	22.00
Iowa Office Supply Inc	Local	Planner	20.95
Michael P. Reinert	Local	Tripod Repairs	20.00
Storm Lake Hydraulics Co, Inc	Local	Supplies	15.96
Fastenal Company	Local	Supplies	26.17
Central Bank	Local	Des Moines Register Subscription	10.69
Fastenal Company	Local	Supplies	2.42
Storm Lake Hydraulics Co, Inc	Local	Cylinder Returned	-500.00

Local Total: 83,088.80

Non-Local

Ziegler, Inc	Non-Local	FY2021 Generator Maintenance Agreement	39,118.01
Iowa Law Enforcement Academy	Non-Local	Basic Training- Butler & Lane	13,300.00
Ziegler, Inc	Non-Local	FY2021 Generator Maintenance Agreement	11,140.61
WaterPro Supplies Inc	Non-Local	Clamps	6,306.00
Mississippi Lime Company	Non-Local	Lime	11,471.70
Municipal Supply, Inc	Non-Local	Meters	3,830.00
NW Iowa Planning & Development Commi	Non-Local	SHIELD Draw FY2021	3,500.00
Hawkins, Inc	Non-Local	Hydro Acid	3,358.40
The Advantage Companies, LLC	Non-Local	Microfilming	2,532.50
Beck Engineering, Inc	Non-Local	Civil Engineering Services	2,505.00
Hawkins, Inc	Non-Local	Supplies	2,447.78
Schaeffer Manufacturing Company	Non-Local	Oil	1,755.60
Foundation Analytical Laboratory, Inc	Non-Local	Testing Services	1,736.40
Amerigas	Non-Local	Propane	1,642.51
National Fire Protection Association	Non-Local	FY2021 Membership- ID1012637	1,575.00
Crysteel Truck Equipment, Inc	Non-Local	Valve	1,020.00
Steffen Truck Equipment	Non-Local	Motor	1,824.68
Hach Company	Non-Local	Testing Supplies	787.94
US Peroxide, LLC	Non-Local	Facility & Maintenance Agreement	750.00
Foundation Analytical Laboratory, Inc	Non-Local	Testing Services	689.20
City Directory Inc	Non-Local	Office Supplies	657.00
Troy Westrum Inc.	Non-Local	Leak Detection Services	607.50
Municipal Supply, Inc	Non-Local	Meter Supplies	493.75
Justin Meader	Non-Local	Wiring Harness	416.40
NCL of Wisconsin, Inc	Non-Local	Testing Supplies	368.86
Foundation Analytical Laboratory, Inc	Non-Local	Testing Services	367.00
Utility Supply of America, Inc	Non-Local	Valve	366.74
Utility Equipment Co	Non-Local	Gasket	302.12
Baker & Taylor, Inc	Non-Local	Subscription	297.00
W. W. Grainger, Inc	Non-Local	Wrench & Supplies	252.13
Martin's Flag Company Co, Inc	Non-Local	Flags	236.04
Iowa Prison Industries	Non-Local	Uniform- Lane	460.00
Iowa State University	Non-Local	2021 Workshop	225.00
Schumacher Elevator Company	Non-Local	Elevator Maintenance Service	220.67
Iowa Association of Building Officials	Non-Local	January 2021 Training- Chambers	199.84
Lectorum Publications, Inc	Non-Local	Books	199.38

My Buy Local_v1

Payment Date Range: 02/04/2021 - 02/17/2021

Vendor Name	Buy Local Info	Payable Description	Total Payments
Language Line Services, Inc	Non-Local	Interpretation Services	193.54
International Association of Chiefs of Police	Non-Local	FY2021 Membership- Cole	190.00
Hach Company	Non-Local	Testing Supplies	186.00
Martin's Flag Company Co, Inc	Non-Local	Flags	184.63
Mercy Medical Services	Non-Local	Physical- Schreck	350.00
Midwest Tape, LLC	Non-Local	DVDs	151.42
University Enterprises, Inc	Non-Local	WW Training Material- Muniz	150.00
Aurelia Lumber Company Inc	Non-Local	Supplies	148.70
Iowa Stormwater Education Partnership	Non-Local	2021 Registration- Woltman	115.00
BlueTarp Financial, Inc	Non-Local	Shelf	114.97
ABC Pest Control, Inc	Non-Local	Pest Control Services	100.00
Hach Company	Non-Local	Testing Supplies	79.20
University Enterprises, Inc	Non-Local	Class Enrollment- Beckman	75.00
Barnes & Noble Booksellers, USA Inc	Non-Local	Books	73.56
Hach Company	Non-Local	Testing Supplies	70.45
Iowa Municipal Finance Officers Associatio	Non-Local	Membership Dues	50.00
Midwest Tape, LLC	Non-Local	DVDs	48.73
Keller Plumbing, Heating, & Air LLC	Non-Local	Pipe	44.50
Salus LLC	Non-Local	Janaury 2021 Memberships	40.00
Midwest Tape, LLC	Non-Local	DVDs	38.22
Ingram Library Services, Inc	Non-Local	Books	109.23
Iowa GCSA	Non-Local	Membership Correction	25.00
Brodart Co.	Non-Local	Books	24.07
Ingram Library Services, Inc	Non-Local	Books	21.82
Brodart Co.	Non-Local	Books	21.59
Iowa Municipal Finance Officers Associatio	Non-Local	Membership Dues	20.00
Ingram Library Services, Inc	Non-Local	Books	113.56
Baker & Taylor, Inc	Non-Local	Books	18.23
Ingram Library Services, Inc	Non-Local	Books	70.11
Baker & Taylor, Inc	Non-Local	Books	14.53
Brodart Co.	Non-Local	Books	13.76
Baker & Taylor, Inc	Non-Local	Books	12.29
Johnston Automotive & Industrial of Spenc	Non-Local	Fuse	8.55
BlueTarp Financial, Inc	Non-Local	Battery Overpayment	-13.01
Hach Company	Non-Local	Testing Supplies Returned	-942.00
Non-Local Total:		118,882.41	
Grand Total:		227,371.07	

**REGULAR COUNCIL MEETING, CITY OF STORM LAKE,
FEBRUARY 1, 2021 5:00 PM. DUE TO COVID-19, THIS MEETING WILL BE A
TELEPHONIC MEETING ONLY ~ DIAL IN TO PARTICIPATE: 1-408-418-9388 ACCESS
CODE: 146 309 7532**

Present: Mayor Michael Porsch, Council Members Jose Ibarra, Tyson Rice, Dan Smith, Kevin McKinney, and Maria Ramos. Absent: none

Staff present: City Manager Keri Navratil, Assistant City Manager David Derragon, City Attorney Phil Havens, Police Chief Chris Cole, Fire Chief Mike Jones, Water Quality Code Compliance Director Scott Olesen, Library Director Elizabeth Huff, Public Services Supervisor Scott Bonebrake, King's Pointe Manager Michael Chowdhury, Finance Director Brian Oakleaf, Staff Accountant Tyler Gibbins, and City Clerk Mayra Martinez

Mayor Porsch called the meeting to order at 5:00 pm.

Pledge of Allegiance

Agenda - Moved by Council Member Smith to approve setting the Agenda as presented. Seconded by Council Member Ramos. Vote: All ayes. Motion carried.

Disclosure by City Council Members - No items at this time.

Hear the Public – None at this time.

Consent Agenda - Moved by Council Member McKinney to approve the Consent Agenda which includes list of bills Check #'s 76321 through 76326, 76388 through 76436, EFT #'s 1696 through 1727, DFT #1059, King's Pointe and Sunrise Pointe disbursements, January 18, 2021 City Council minutes, new Liquor License for BLP Pohnpei Market and Delicias Supermarket LLC (Contingent on Dram Shop), Tax Abatement Applications for 908 Erie Street and 408 Michigan Street, the Code Enforcement Summary. Seconded by Council Member Smith. Vote: All ayes. Motion carried.

Iowa Lakes Corridor - Kiley Miller from the Iowa Lakes Corridor introduced the new CEO Brian Dalziel who gave an update about the Iowa Lakes Corridor

Kaleidoscope Marketing - Moved by Council Member Ibarra to approve an agreement with Kaleidoscope Marketing for tourism outreach. Seconded by Council Member McKinney. Roll call vote: All ayes. Motion carried.

Joe Kelly from Kaleidoscope Marketing gave a presentation about a campaign on ways to promote tourism in Storm Lake. He is working on retooling the Storm Lake United website with which the City would coordinate and promote their items also. Once Kaleidoscope receives all of the content for the site, it can be two to three weeks out with testing before someone is able to view the completed site.

Fiscal Year 2022-2026 Capital Improvement Plan - Mayor Porsch opened the public hearing for the Fiscal Year 2022-2026 Capital Improvement plan stating this was the time and place for any

comments. Mayor Porsch asked if there were any other comments or questions. Hearing no comments from the public and no comments from the City Council the Mayor then closed the public hearing.

Moved by Council Member Smith to adopt Resolution No. 36-R-2020-2021 approving the FY 2022-2026 Capital Improvement plan. Seconded by Council Member McKinney. Roll call vote: All ayes. Motion carried.

RESOLUTION NO. 36-R-2020-2021

RESOLUTION APPROVING THE CITY OF STORM LAKE 5-YEAR CAPITAL IMPROVEMENTS PLAN

WHEREAS, the City of Storm Lake has a need to develop a 5-Year Capital Improvements Plan that will assist city staff and the City Council in the development of longterm capital funding priorities; and

WHEREAS, each department of the City of Storm Lake has submitted and prioritized potential projects for the next five fiscal years; and

WHEREAS, the City Manager and City Council have reviewed and prioritized those projects based on potential funding sources in each fund; and

WHEREAS, the proposed 5-Year Capital Improvements Plan has been reviewed and commented on by the City Council during their Budget Workshops in January 2021.

NOW, THEREFORE BE IT HEREBY RESOLVED, that the Storm Lake City Council formally approves the City's FY 2022-2026 5-Year Capital Improvement Plan as a planning document for the entire city organization.

PASSED AND APPROVED this 1st day of February, 2021.

Michael Porsch, Mayor

ATTEST:

Mayra A. Martinez, City Clerk

\$8,100,000 GO Refunding Capital Loan Notes - Moved by Council Member Ibarra to adopt Resolution No. 37-R-2020-2021 setting a Public Hearing for February 15, 2021 at 5:00 pm for not to exceed \$8,100,000 GO Refunding Capital Loan notes. Due to Covid-19, this meeting will be a telephonic meeting only ~ dial in to participate: 1-408-418-9388 access code: 146 514 7318 Seconded by Council Member Ramos. Roll call vote: All ayes. Motion carried.

RESOLUTION NO. 37-R-2020-2021

**RESOLUTION FIXING DATE FOR A MEETING ON THE
AUTHORIZATION OF A LOAN AGREEMENT AND THE**

ISSUANCE OF NOT TO EXCEED \$8,100,000 GENERAL
OBLIGATION REFUNDING CAPITAL LOAN NOTES OF THE
CITY OF STORM LAKE, STATE OF IOWA (FOR ESSENTIAL
CORPORATE PURPOSES), AND PROVIDING FOR PUBLICATION
OF NOTICE THEREOF

WHEREAS, the Loan Agreement and Notes shall be payable from the Debt Service Fund; and

WHEREAS, before a Loan Agreement may be authorized and General Obligation Refunding Capital Loan Notes, issued to evidence the obligation of the City thereunder, it is necessary to comply with the provisions of the Code of Iowa, as amended, and to publish a notice of the proposal and of the time and place of the meeting at which the Council proposes to take action for the authorization of the Loan Agreement and Notes and to receive oral and/or written objections from any resident or property owner of the City to such action.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF STORM LAKE, STATE OF IOWA:

That this Council meets at 5:00 P.M., on the 15th day of February, 2021, for the purpose of taking action on the matter of the authorization of a Loan Agreement and issuance of not to exceed \$8,100,000 General Obligation Refunding Capital Loan Notes, for essential corporate purposes, the proceeds of which notes will be used to provide funds to pay the costs of the settlement, adjustment, renewing, or extension of any part or all of the legal indebtedness of a city, whether evidenced by bonds, warrants, or judgments, or the funding or refunding of the same, including the General Obligation Urban Renewal Refunding Bonds, Series 2012C; Storm Water Revenue Bonds, Series 2013C; Sales Tax Increment Revenue Bonds Series 2015; General Obligation Capital Loan Notes, Series 2015; Storm Water Revenue Capital Loan Notes, Series 2015; and Taxable General Obligation Refunding Capital Loan Notes, Series 2016A.

Section 1. The Clerk is authorized and directed to proceed on behalf of the City with the negotiation of terms of a Loan Agreement and the issuance of General Obligation Refunding Capital Loan Notes, evidencing the City's obligations to a principal amount of not to exceed \$8,100,000, to select a date for the final approval thereof, to cause to be prepared such notice and sale information as may appear appropriate, to publish and distribute the same on behalf of the City and this Council and otherwise to take all action necessary to permit the completion of a loan on a basis favorable to the City and acceptable to the Council.

Section 2. That the Clerk is hereby directed to cause at least one publication to be made of a notice of the meeting, in a legal newspaper, printed wholly in the English language, published at least once weekly, and having general circulation in the City. The publication to be not less than four clear days nor more than twenty days before the date of the public meeting on the issuance of the Notes.

Section 3. The notice of the proposed action to issue notes shall be in substantially the following form.

(To be published between: February 2, 2021 and February 10, 2021)

NOTICE OF MEETING OF THE CITY COUNCIL OF THE CITY OF
STORM LAKE, STATE OF IOWA, ON THE MATTER OF THE

PROPOSED AUTHORIZATION OF A LOAN AGREEMENT AND
THE ISSUANCE OF NOT TO EXCEED \$8,100,000 GENERAL
OBLIGATION REFUNDING CAPITAL LOAN NOTES OF THE
CITY (FOR ESSENTIAL CORPORATE PURPOSES), AND THE
HEARING ON THE ISSUANCE THEREOF

PUBLIC NOTICE is hereby given that the City Council of the City of Storm Lake, State of Iowa, will hold a public hearing on the 15th day of February 2021, at 5:00 P.M, at which meeting the Council proposes to take additional action for the authorization of a Loan Agreement and the issuance of not to exceed \$8,100,000 General Obligation Refunding Capital Loan Notes, for essential corporate purposes, to provide funds to pay the costs of the settlement, adjustment, renewing, or extension of any part or all of the legal indebtedness of a city, whether evidenced by bonds, warrants, or judgments, or the funding or refunding of the same, including the General Obligation Urban Renewal Refunding Bonds, Series 2012C; Storm Water Revenue Bonds, Series 2013C; Sales Tax Increment Revenue Bonds Series 2015; General Obligation Capital Loan Notes, Series 2015; Storm Water Revenue Capital Loan Notes, Series 2015; and Taxable General Obligation Refunding Capital Loan Notes, Series 2016A. Principal and interest on the proposed Loan Agreement will be payable from the Debt Service Fund.

Due to public health concerns related to COVID-19, as authorized by emergency proclamation of the Governor of the State of Iowa, this meeting of the City Council will be conducted electronically, pursuant to Iowa Code Section 21.8, as holding the meeting in person is impossible or impractical.

The public may access the meeting electronically in the manner specified below:

To access this meeting by telephone, use the following call-in information:

[DIAL IN TO PARTICIPATE: 1-408-418-9388 ACCESS CODE: 146 514 7318

Please check the posted agenda in advance of the meeting for any updates to the manner in which the public may access the meeting.

All persons wishing to observe or participate in the meeting and/or public hearing may do so by accessing the meeting as directed above, and may also submit comments to the City prior to the meeting. At the above meeting the Council shall receive oral or written objections from any resident or property owner of the City to the above action. After all objections have been received and considered, the Council will at the meeting or at any adjournment thereof, take additional action for the authorization of a Loan Agreement and the issuance of the Notes to evidence the obligation of the City thereunder or will abandon the proposal to issue said Notes.

This notice is given by order of the City Council of the City of Storm Lake, State of Iowa, as provided by Sections 384.24A and 384.25 of the Code of Iowa.

Dated this 1st day of February, 2021.

City Clerk, City of Storm Lake, State of Iowa

(End of Notice)

PASSED AND APPROVED this 1st day of February, 2021.

Michael Porsch, Mayor

ATTEST:

Mayra A. Martinez, City Clerk

Wayne Andrews Family Donation - Moved by Council Member McKinney to adopt Resolution No. 38-R-2020-2021 accepting a donation from the Wayne Andrews family for a monument and sign in the Sleepy Hollow area near Chautauqua Park. Seconded by Council Member Ibarra. Roll call vote: All ayes. Motion carried.

RESOLUTION NO. 38-R-2020-2021

RESOLUTION SUPPORTING THE ANDREWS FAMILY BEAUTIFICATION
PROJECT

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF STORM LAKE, IOWA

WHEREAS, the Andrews Family wishes to celebrate the Cayuga Street kids; and

WHEREAS, the Andrews family desires to underwrite beautification monument and signage at Sleepy Hollow in Chautauqua Park; and

WHEREAS, the Andrews family has worked with Storm Lake natives, Jennifer and Todd Felton, to capture their vision for this project; and

WHEREAS, the City Council of the City of Storm Lake fully supports and endorses the Andrews Family in this beautification effort.

NOW, THEREFORE, BE IT RESOLVED that the City Council approves City funding to support this project as needed and authorizes Mayor Michael Porsch to negotiate a contract between the City and the Andrews Family for the project.

PASSED AND APPROVED this 1st day of February 2021.

ATTEST:

Mayra A. Martinez, City Clerk

Closed Session Reference Iowa Code Chapter 21.5 (c) Matters of Litigation - Moved by Council Member Ibarra to go into closed session at in reference to Iowa Code Chapter 21.5 (c) matters of litigation. Seconded by Council Member McKinney. Roll call vote: All ayes. Motion carried.

Closed Session - Five Member - Mayor- Brian Oakleaf, David Derragon, and Keri Navratil, Ann Smisek and Maria Brownel

Moved by Council Member Ibarra to go back into open session at 7:04. Seconded by Council Member McKinney. Roll call vote: All ayes. Motion carried.

Iowa Department of Natural Resources Marina Operator Agreement - Moved by Council Member McKinney to table Resolution No. 39-R-2020-2021 considering Iowa Department of Natural Resources Marina operator agreement with the City. Seconded by Council Member Rice. Roll call vote: All ayes. Motion carried.

Storm Lake Marina Contracts 2021 Season - Moved by Council Member Ibarra to table Resolution No. 40-R-2020-2021 considering the Storm Lake Marina contracts for the 2021 season. Seconded by Council Member Rice. Roll call vote: All ayes. Motion carried.

Brett Redenbaugh, Redenbaugh Law Firm, expressed his concern if the city would take an action on the contract. He expressed that his clients would like to continue negotiations through the City and if this isn't possible then directly with the County or the State of Iowa They would like a vote one way or another

Marina Lease Agreements- Buoys Bar and Grill - Moved by Council Member Ibarra to adopt Resolution No. 41-R-2020-2021 considering Marina lease agreements with Buoys Bar and Grill with the required insurance and documentation. Seconded by Council Member Ramos. Roll call vote: All ayes. Motion carried.

RESOLUTION NO. 41-R-2020-2021

RESOLUTION FOR A LEASE AGREEMENT AT THE STORM LAKE MARINA BETWEEN THE CITY OF STORM LAKE AND BUOYS BAR AND GRILL

WHEREAS, The State of Iowa, acting through the Iowa Department of Natural Resources (DNR), and the City of Storm Lake (City) jointly determined in 2014 that it was in the public interest to transfer the care and maintenance of state-owned real property, locally know as Storm Lake Marina, and

WHEREAS, The agreement was entered into under the authority of Iowa Code sections 364.1 and 461A.27, and

WHEREAS, Pursuant to said sections, the parties mutually agreed that the City would undertake the development, care, and maintenance of the state-owned real property, and

WHEREAS, The term of the agreement was effective on the date it is last signed and continues in full force and effect to and including December 31, 2038, and

WHEREAS, The operating agreement for the Storm Lake Marina between Buoy's Bar and Grill and the City ended on December 31, 2020, and

WHEREAS, Buoy's management would like a temporary lease agreement with the City to allow them to leave their property at the Storm Lake Marina facility.

NOW THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF STORM LAKE, IOWA, that a temporary lease agreement with a monthly fee of \$_____ and term of _____ months will be drafted for the Mayor and City Clerk to sign noting that all items owned by Buoy's or stored by Buoy's would have to be insured by Buoy's and Buoy's would assume and accept all risk for items lost, destroyed or damaged.

PASSED AND APPROVED THIS 1st day of February, 2021.

ATTEST

Michael Porsch, Mayor

Mayra Martinez, City Clerk

Marina Lease Agreements- Tom Fitzpatrick/Parks Marina - Moved by Council Member McKinney to adopt Resolution No. 42-R-2020-2021 considering Marina lease agreements with Tom Fitzpatrick/Parks Marina. Seconded by Council Member Smith. Roll call vote: All ayes. Motion carried.

RESOLUTION NO. 42-R-2020-2021

RESOLUTION FOR A LEASE AGREEMENT AT THE STORM LAKE MARINA BETWEEN THE CITY OF STORM LAKE AND TOM FITZPATRICK/PARKS MARINA

WHEREAS, The State of Iowa, acting through the Iowa Department of Natural Resources (DNR), and the City of Storm Lake (City) jointly determined in 2014 that it was in the public interest to transfer the care and maintenance of state-owned real property, locally known as Storm Lake Marina, and

WHEREAS, The agreement was entered into under the authority of Iowa Code sections 364.1 and 461A.27, and

WHEREAS, Pursuant to said sections, the parties mutually agreed that the City would undertake the development, care, and maintenance of the state-owned real property, and

WHEREAS, The term of the agreement was effective on the date it is last signed and continues in full force and effect to and including December 31, 2038, and

WHEREAS, The operating agreement for the Storm Lake Marina between Buoy's Bar and Grill and the City ended on December 31, 2020, and

WHEREAS, Tom Fitzpatrick/Parks Marina would like a temporary lease agreement with the City to allow them to leave their property at the Storm Lake Marina facility.

NOW THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF STORM LAKE, IOWA, That a temporary lease agreement will be drafted for the Mayor and City Clerk to sign noting that:

- 1) All items owned by Tom Fitzpatrick/Parks Marina or stored by Tom Fitzpatrick/Parks Marina would have to be insured by Tom Fitzpatrick/Parks Marina.
- 2) The City of Storm Lake is named as an additional insured.
- 3) Buoys would assume and accept all risk for items lost, destroyed, or damaged.
- 4) The lease will end on April 30, 2021 or earlier if thirty (30) days notice is given.

PASSED AND APPROVED THIS 1st day of February, 2021.

ATTEST

Michael Porsch, Mayor

Mayra Martinez, City Clerk

Marina Lease Agreements-Boat Owners - Moved by Council Member Rice to adopt Resolution No. 43-R-2020-2021 considering Marina lease agreements with Boat Owners. Seconded by Council Member McKinney. Roll call vote: All ayes. Motion carried.

RESOLUTION NO. 43-R-2020-2021

RESOLUTION FOR A LEASE AGREEMENTS AT THE STORM LAKE MARINA BETWEEN THE CITY OF STORM LAKE AND VARIOUS PARTIES WITH STORED PROPERTY

WHEREAS, The State of Iowa, acting through the Iowa Department of Natural Resources (DNR), and the City of Storm Lake (City) jointly determined in 2014 that it was in the public interest to transfer the care and maintenance of state-owned real property, locally know as Storm Lake Marina, and

WHEREAS, The agreement was entered into under the authority of Iowa Code sections 364.1 and 461A.27, and

WHEREAS, Pursuant to said sections, the parties mutually agreed that the City would undertake the development, care, and maintenance of the state-owned real property, and

WHEREAS, The term of the agreement was effective on the date it is last signed and continues in full force and effect to and including December 31, 2038, and

WHEREAS, The operating agreement for the Storm Lake Marina between Buoy's Bar and Grill and the City ended on December 31, 2020, and

WHEREAS, During the final walk-through of the marina facility it was discovered that there were boats of unknown ownership stored on the premise and subsequent it was learned that at least one owner had paid for storage through April 2021, and

WHEREAS, The City has received a list noting the owners of stored property are Nathan Jensen, Jim Rossmanith, Ted Lenhart, Ty Seaman, Larry Nielsen, Darin Elsdon, Patrick Hathoway, Kim Mittelstadt, Dan Knudtson, Larry Shultz, Lucas Keller and Dan Berklund.

NOW THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF STORM LAKE, IOWA,

That a temporary lease agreement will be drafted for the Mayor and City Clerk to sign noting that:

- 1) All items owned by each named individual or stored by each individual would have to be insured by each individual
- 2) The City of Storm Lake is named as an additional insured.
- 3) Each individual would assume and accept all risk for items lost, destroyed, or damaged.
- 4) The lease will end on April 30, 2021.

PASSED AND APPROVED THIS 1st day of February, 2021.

ATTEST

Michael Porsch, Mayor

Mayra Martinez, City Clerk

Oneida Street Reconstruction Project, Phase 1 - Moved by Council Member Ramos to approve setting a Public Hearing for February 15, 2021 at 5:00 pm for the Oneida Street reconstruction project, Phase 1 plans, specifications, and form of contract. Due to Covid-19, this meeting will be a telephonic meeting only ~ dial in to participate: 1-408-418-9388 access code: 146 514 7318. Seconded by Council Member Ibarra. Vote: All ayes. Motion carried.

Engineering Agreements - Bolton & Menk And ISG - Moved by Council Member Rice to approve the extension of Engineering agreements with Bolton & Menk and ISG for an additional three years ending on December 31, 2023. Seconded by Council Member Ramos. Vote: All ayes. Motion carried.

Enterprise Operations and Maintenance Budget Work Session – Keri Navratil introduced Ron Covert the Water Quality Supervisor who presented the operations and maintenance budget for the Enterprise Funds. Ron reviewed the operations and maintenance funds report with the City Council. Scott Olesen reviewed the Storm Water funds report with the City Council. Brian oakleaf reviewed the Landfill fund report with the City Council. Keri mentioned that the next City Council meeting on February 15th, we will be discussing the General Fund operations and maintenance.

City Council Requested Items – None at this time.

Mayor Porsch thanked the Council on the purchase of the new equipment that is used to clear brush. Mayor Porsch commented that Chautauqua Park looks very nice and that people can see the lake due to the cleared brush. The purchased equipment approved by the City Council was a very good investment.

Adjourn - Moved by Council Member McKinney to adjourn the meeting at 7:58 pm. Seconded by Council Member Ibarra. Vote: All ayes. Motion carried.

Michael Porsch, Mayor

ATTEST:

Mayra A. Martinez, City Clerk

King's Pointe Resort

Claims Publication

From 1/15/2021 to 1/28/2021

Vendor	Description	Amount
ACCO Unlimited Corporation	Supplies	\$1,867.05
Alliant Energy	Utilities	\$354.98
Alpha Wireless Communications Co.	Services	\$72.00
American Hotel Register Company	Supplies	\$1,424.25
BevSpot	Services	\$377.80
Bomgaars Supply Inc.	Supplies	\$79.68
Cenaiko Productions Inc.	Services	\$633.68
Cintas Corporation	Supplies	\$4,556.39
Color-ize	Supplies	\$224.85
COMMLOG LLC	Services	\$155.96
COUNSEL	Services	\$131.93
Doll Distributing	Beverages	\$466.60
ECOLAB	Supplies	\$1,840.64
Expedia, Inc.	Services	\$198.18
Fastenal Company	Supplies	\$38.95
Feld Fire	Supplies	\$511.45
Ferguson Enterprises Enter	Supplies	\$77.27
Fremont Industries, LLC	Supplies	\$556.28
G & R Controls, Inc.	Supplies	\$960.39
Grainger	Supplies	\$626.78
GuestSupply	Supplies	\$912.90
Hawk-I Plumbing, Inc.	Supplies	\$332.69
Hermel Wholesale	Food	\$2,144.47
HyVee	Beverages	\$1,190.43
Johnson Brothers	Beverages	\$299.70
KTIV Television Inc.	Services	\$2,700.00
Loews Carpet One	Supplies	\$772.03
Long Lines LLC	Utilities	\$983.69
M3 Accounting	Services	\$703.90
Martin Brothers	Food	\$6,467.48
Melanders	Supplies	\$141.53
Midwestern Mechanical of Iowa, Inc.	Services	\$5,373.71
Nelson's Premix and Vet Supply	Services	\$3.02
Office Elements	Supplies	\$12.87
Olsen Welding & Machine	Services	\$1,490.55
Pilot Tribune	Services	\$33.60
Pinnacle Communications	Services	\$202.50
Pitney Bowes	Supplies	\$270.87
Plumbing and Heating Wholesale, Inc.	Supplies	\$163.91
Premium Quality Lighting	Supplies	\$1,339.00
Rebnord Technologies, Inc.	Services	\$5,435.06
Rent-All Inc.	Services	\$185.00
Rex Rimmer	Reimbursement	\$60.00
Sceptre Hospitality Resources, LLC	Services	\$2,206.52
Schumacher Elevator Company	Services	\$1,112.10
Sioux Lumber Cash and Carry, Inc.	Supplies	\$159.90
Speed's Auto Supply Inc.	Services	\$458.67

Steve's Window Service	Services	\$214.00
Storm Lake Ace Hardware	Supplies	\$644.35
Storm Lake Times	Services	\$24.27
Storm Lake United	Services	\$905.00
STR, Inc.	Services	\$1,658.50
Supplyworks	Supplies	\$2,248.54
Sysco Iowa, Inc.	Food	\$5,957.32
Tami Scheidegger	Refund	\$179.11
TNT Sales & Service, LLC	Services	\$162.60
TY Inc.	Supplies	\$158.77
UPS	Services	\$96.31
Uptown Wedding and Event Rental	Services	\$155.52
Vista Paints	Supplies	\$245.60
Wells Fargo Financial Leasing, Inc.	Services	\$470.36
W-O Payroll 1/20/21	Payroll	\$54,038.97
		<u>\$117,470.43</u>

**Storm Lake Airport Commission Due to Covid-19,
This Meeting Will Be A Telephonic Meeting Only ~
Dial In To Participate: 1-408-418-9388
Access Code: 24583600
Monday, January 11, 2021 4:00 PM**

Present: Commission Members Bob Ansorge, Dan Richardson and Sara Huddleston. Absent: Commissioners Cynthia Turner and Doug White. Others Present: Jim Bartholomew and Tyler Gibbins.

Chairman Bob Ansorge called the meeting to order at 4:03 pm.

Hear the Public – No comments.

Minutes – Moved by Commissioner Richardson to approve the December 14, 2020 Airport Commission Minutes. Seconded by Commissioner Huddleston. Vote: All ayes with Commissioners Turner and White absent. Motion carried.

Financial Report – Moved by Commissioner Richardson to approve the financial reports for November 2020. Seconded by Commissioner Huddleston. Vote: All ayes with Commissioners Turner and White absent. Motion carried.

Fuel Report – Moved by Commissioner Richardson to approve the December 2020 Fuel Report. Seconded by Commissioner Huddleston. Vote: All ayes with Commissioners Turner and White absent. Motion carried.

Airport Manager's Monthly Report – Filled out based aircraft report for the Federal Aviation Administration. Olsen Welding manufactured new door latches and installed them on hangars A & B. Plowed snowbanks back and cleaned up snow on the ramp, sidewalks and fuel pumps.

Courtesy Car Usage: 1 15 Miles
Fuel Meter Reading: Jet A – 512,222
AV Gas – 125,076.8

Administration Report: The annual fuel report was completed for 2020. The Storm Lake Airport sold 59,834 gallons of fuel in 2020, down 20,865 from 2019. The commission directed staff to port the phone line for Bart's Flying Service from Century Link with the City lines and include the price of the line on the contract renewal with Bart's Flying Service.

Adjourn – Moved by Commissioner Richardson to adjourn the meeting at 4:22 pm. Seconded by Commissioner Huddleston. Vote: All ayes with Commissioners Turner and White absent. Motion carried.

Mayra Martinez, City Clerk



Library Board Meeting, City of Storm Lake, January 11, 2021, 4:00 p.m. by telephonic conference, 1-408-219-9388

Present: Board President Mary Kay Hudspeth, Jim Eliason, Sarah Freking, John Hughes, and Sue Lyngaas. Also present, Elizabeth Huff, Library Director and Dana Larsen, Pilot-Tribune

While waiting for a quorum, Board President Hudspeth allowed three discussions. Board President reported on Bank Certificates of Deposit which she renewed at 0.75% and the Board appreciated the effort. The Library Director reported that the Supply Line Item was negative due to COVID and IowaPBS expenditures. The Board preferred spending on disinfectants over any risk of spreading the virus. The Friends Board respectfully requested that they be allowed to finish the wall decorations of the Children's Room. Board Member Hughes strongly objected to any work on the murals. The Board preferred to seek the opinion of the City Attorney on the murals for future consideration.

Board President Hudspeth called the meeting to order at 4:10 p.m.

No Quorum - Board President Hudspeth dismissed the attending Board Members due to no quorum. All business was tabled until next month. She signed the Bill Warrant so bills would be paid.

Elizabeth Huff, Library Director.

Please note the above is an unapproved draft of minutes and will be approved by the Board of Trustees on February 8, 2021.

Applicant License Application (LC0031228)

Name of Applicant: Boathouse, Inc.
Name of Business (DBA): Boathouse
Address of Premises: 502 Lake Ave
City Storm Lake **County:** Buena Vista **Zip:** 50588
Business (712) 732-1462
Mailing 502 Lake Ave
City Storm Lake **State** IA **Zip:** 50588

Contact Person

Name Gary Gaffney
Phone: (712) 732-1462 **Email** karrolchristensen1@hotmail.com

Classification Class C Liquor License (LC) (Commercial)

Term:12 months

Effective Date: 02/26/2020

Expiration Date: 02/25/2021

Privileges:

Class C Liquor License (LC) (Commercial)

Outdoor Service

Sunday Sales

Status of Business

BusinessType: Privately Held Corporation
Corporate ID Number: XXXXXXXXXX **Federal Employer ID** XXXXXXXXXX

Ownership

Gary Gaffney

First Name: Gary **Last Name:** Gaffney
City: Storm Lake **State:** Iowa **Zip:** 50588
Position: Owner
% of Ownership: 100.00% **U.S. Citizen:** Yes

Insurance Company Information

Insurance Company: West Bend Mutual Insurance Company
Policy Effective Date: 02/26/2020 **Policy Expiration** 02/26/2021
Bond Effective **Dram Cancel Date:**
Outdoor Service Effective **Outdoor Service Expiration**
Temp Transfer Effective Date **Temp Transfer Expiration Date:**

M E M O R A N D U M

TO: MAYRA MARTINEZ

FROM: CHRIS COLE

DATE: December 22, 2020

REFERENCE: LIQUOR LICENSE RENEWAL
BOATHOUSE
502 LAKE AVE

Discussion: Per your request I have accessed the department computer for calls of interest to the aforementioned establishment. The calls are as follows:

	12-26-2018 to 12-31-2019	1-1-2020 to 12-19-2020
INCIDENTS		
Animal Call	1	0
City/Co Dept Assist	0	1
Disturbance	0	1
Keys Locked in Car	1	0
Motorist Assist	1	0
Open Window/Door	1	0
ARREST	none	none

Recommendation: Approval of liquor license.

Applicant License Application (BC0029887)

Name of Applicant: <u>DOLGENCORP, LLC</u>		
Name of Business (DBA): <u>Dollar General Store #1047</u>		
Address of Premises: <u>1423 LAKE AVE</u>		
City <u>Storm Lake</u>	County: <u>Buena Vista</u>	Zip: <u>50588</u>
Business <u>(712) 732-2034</u>		
Mailing <u>100 Mission Ridge</u>		
City <u>Goodlettsville</u>	State <u>TN</u>	Zip: <u>37072</u>

Contact Person

Name <u>Caleb Barton</u>	
Phone: <u>(615) 855-4000</u>	Email <u>tax-beerandwinelicense@dollargeneral.com</u>

Classification Class C Beer Permit (BC)

Term:12 months

Effective Date: 03/01/2020

Expiration Date: 02/28/2021

Privileges:

Class B Wine Permit

Class C Beer Permit (BC)

Sunday Sales

Status of Business

BusinessType: <u>Limited Liability Company</u>	
Corporate ID Number: <u>XXXXXXXXXX</u>	Federal Employer ID <u>XXXXXXXXXX</u>

Ownership

Dollar General Corporation

First Name: <u>Dollar</u>	Last Name: <u>General Corporation</u>	
City: <u>Goodlettsville</u>	State: <u>Tennessee</u>	Zip: <u>37027</u>
Position: <u>Non-Member Manager</u>		
% of Ownership: <u>100.00%</u>	U.S. Citizen: <u>Yes</u>	

Lawrence Gatta

First Name: <u>Lawrence</u>	Last Name: <u>Gatta</u>	
City: <u>Brentwood</u>	State: <u>Tennessee</u>	Zip: <u>37027</u>
Position: <u>Non-Member Manager</u>		
% of Ownership: <u>0.00%</u>	U.S. Citizen: <u>Yes</u>	

Jason Reiser

First Name: <u>Jason</u>	Last Name: <u>Reiser</u>	
City: <u>Nashville</u>	State: <u>Tennessee</u>	Zip: <u>37212</u>

Position: Non Member Manager

% of Ownership: 0.00%

U.S. Citizen: Yes

Insurance Company Information

Insurance Company:

Policy Effective Date:

Policy Expiration

Bond Effective

Dram Cancel Date:

Outdoor Service Effective

Outdoor Service Expiration

Temp Transfer Effective

Temp Transfer Expiration Date:

M E M O R A N D U M

TO: MAYRA MARTINEZ

FROM: CHRIS COLE

DATE: December 21, 2020

REFERENCE: LIQUOR LICENSE RENEWAL
DOLLAR GENERAL
1423 N LAKE AVE

Discussion: Per your request I have accessed the department computer for calls of interest to the aforementioned establishment. The calls are as follows:

	12-26-2018 to 12-31-2019	1-1-2020 to 12-18-2020
INCIDENTS		
911 Hang Up call	0	1
Accident	1	1
Burglar Alarm	1	2
Business Security	25	45
Citizen Assist	2	0
Domestic Disturbance	0	1
Drug Investigation	1	0
Forgery	1	0
Found Property	0	1
PR/Talk/Presentation	0	1
Street Beat	1	0
Suspicious Activity	2	0
Suspicious Person	1	1
Theft	4	1
Trespass	1	0
Vehicle Stop	9	5
Welfare Check	1	1

ARRESTS

Theft	1	1
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Recommendation: Approval of liquor license.

Staff Summary

2/15/2021

Agenda Item # B.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: Mayra Martinez, City Clerk

SUBJECT: Buy Local Information

BACKGROUND: Early in 2011 during a Study Session discussion Council asked staff to look at putting together some analysis information regarding the amount of purchases made locally. We have pulled that information together and a provided a summary of purchases identified in the current list of bills to be approved that are purchased locally (within the City of Storm Lake), within Buena Vista County, and outside of Buena Vista County are presented here for Council's review. This information is presented for for both the City and King's Pointe's bills.

As the reader reviews the information they should note the following key notes:

- Costs associated with any major capital project (those bid under the State of Iowa Bid Law) are excluded from the calculation
- Costs associated with travel is excluded from the calculation and %
- Costs associated with payroll is excluded from the calculation and %
- In some cases there is only one vendor or an item is only available from vendors outside of the City limits and/or Buena Vista County – we have not identified these
- Some departments have fairly minor budgets and a major purchase can skew the % and or amount for a given review period (For Example: the Airport may have normally \$4,000 - \$6,000 in expenses until they purchase Jet Fuel or Av Gas which can be \$10,000 + and as a vendor who is not local this can skew the information for that review period)
- Local has been determined to be has an office front in the

area and based on where the office front is located for local vs. BV County (For Example: Wal-Mart is considered local since they have a store in Storm Lake even though their headquarters is not located here)

As with all analytical data it is possible to interpret the numbers in a variety of ways and as we move forward we would be happy to provide further detail and or revise the way in which we show the data. Likewise if you have any questions or concerns please don't hesitate to contact city staff.

FISCAL IMPACT:

Breakout	Calculated Expenses
Buena Vista County	\$ 6,383.31
Contract/Agreement	\$ 19,016.55
Local	\$ 83,088.80
Non- Local	\$ 118,882.41
Payroll/Refunds/Pyrl Tax & Ins	\$ 250,513.00
Total Expenses	\$ 477,884.07
Supporting Documents Attached	

RECOMMENDATION: Review Buy Local Information

ATTACHMENTS:

Description	Type
 Project Activity Report	Backup Material

Summary

Project Summary

Project Number	Project Name	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
01112-0019	WasteWater Treatment Facility Wetlan...	1,195,689.00	0.00	1,134,312.96	0.00	1,134,312.96	61,376.04
01112-0020	10th & Ontario StormWater Improvem...	1,753,734.33	-0.48	1,752,287.45	0.00	1,752,287.45	1,446.88
01112-0021	4th & Oats StormWater Improvements	837,480.15	0.00	806,895.07	0.00	806,895.07	30,585.08
16-19284	4th & Bartion Storm Water Improvemen...	751,002.10	15,243.95	704,049.69	1,401.18	705,450.87	45,551.23
18-CF-004	United Community Health Service Center	600,000.00	0.00	458,305.60	0.00	458,305.60	141,694.40
19-22797	Memorial Lift Station Improvements	2,480,755.00	0.00	266,924.75	0.00	266,924.75	2,213,830.25
35665	1st & Mae Street	764,059.53	-2,532.27	762,612.66	0.00	762,612.66	1,446.87
8406	7th & Geneseo St Sanitary Sewer Impro...	410,306.35	0.00	408,859.48	0.00	408,859.48	1,446.87
A21.117315	Casino Lift Station Ordor Control Impro...	255,104.58	0.00	262,403.64	0.00	262,403.64	-7,299.06
P11.106893	Richland Street Rehabilitation	549,149.30	0.00	540,222.55	0.00	540,222.55	8,926.75
P11.112742	North Central SW Phase II	1,854,441.25	-515.87	1,853,147.38	0.00	1,853,147.38	1,293.87
P11.115917	Memorial Park Water Quality	48,388.53	0.00	48,388.53	0.00	48,388.53	0.00
P11.117908	Michigan Street Parking Lot Reconstruct...	409,297.00	0.00	439,080.90	0.00	439,080.90	-29,783.90
P11.118940	Oneida Street Reconstruction from RR t...	534,870.00	19,102.50	235,695.59	3,612.09	239,307.68	295,562.32
P11.119679	FEMA Lake Bank Restoration	117,831.01	0.00	123,185.51	0.00	123,185.51	-5,354.50
P11.120411	Highway 7/110 Traffic Lane/Signalization	1,423,630.00	48,362.18	176,886.83	0.00	176,886.83	1,246,743.17
P11.120478	Tulip Lane SW Improvements	513,049.50	9,680.19	398,774.83	0.00	398,774.83	114,274.67
P11.120650	2020 Expansion Blvd Improvements	861,088.10	34,443.52	476,842.85	697.50	477,540.35	383,547.75
P11.122266	7th Street Sanitary Sewer Lining	79,192.80	79,192.80	33,789.00	0.00	33,789.00	45,403.80
T51.119823	Runway 13/31 & Taxiway Lighting	453,189.00	0.00	64,262.00	0.00	64,262.00	388,927.00
Urban20WQI-004	SLHS Courtyard Conservation	100,000.00	100,000.00	13,900.21	0.00	13,900.21	86,099.79
Report Total:		15,992,257.53	302,976.52	10,960,827.48	5,710.77	10,966,538.25	5,025,719.28

Group Summary

Group	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
Airport Projects	453,189.00	0.00	64,262.00	0.00	64,262.00	388,927.00
Economic Development	817,831.01	100,000.00	595,391.32	0.00	595,391.32	222,439.69
National Resiliency Disaster Grant Proje...	8,207,343.54	101,068.32	7,903,117.05	1,401.18	7,904,518.23	302,825.31
Sanitary Sewer Projects	2,735,859.58	0.00	529,328.39	0.00	529,328.39	2,206,531.19
Street Construction	3,778,034.40	101,908.20	1,868,728.72	4,309.59	1,873,038.31	1,904,996.09
Report Total:	15,992,257.53	302,976.52	10,960,827.48	5,710.77	10,966,538.25	5,025,719.28

Type Summary

Group	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
Construction	6,513,893.98	101,908.20	2,398,057.11	4,309.59	2,402,366.70	4,111,527.28
Federal/State Grant	9,378,363.55	101,068.32	8,548,870.16	1,401.18	8,550,271.34	828,092.21
Grant	100,000.00	100,000.00	13,900.21	0.00	13,900.21	86,099.79
Report Total:	15,992,257.53	302,976.52	10,960,827.48	5,710.77	10,966,538.25	5,025,719.28

Staff Summary

2/15/2021

Agenda Item # C.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: Chris Cole, Police Chief

SUBJECT: **SLPD City Code Enforcement Summary**

BACKGROUND: 1/27/2021 to 2/10/2021

65 Total

Accumulate Junk – 6
Junk Vehicle – 1
Snow Removal – 58

0 Citations

FISCAL IMPACT: None

RECOMMENDATION: None

Staff Summary

2/15/2021

Agenda Item # D.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: Keri Navratil, City Manager

SUBJECT: **Resolution No. 39-R-2020-2021 Considering Iowa Department of Natural Resources Marina Operator Agreement**

BACKGROUND: The City entered into an agreement with the Department of Natural Resources to manage the Storm Lake Marina. Under the agreement the City is obligated to maintain the property, The City's annual financial report for Fiscal Year 2020 indicates the City spent \$97,198 on the Marina. This amount is not offset by any revenues from the Marina. If the City determines the cost of maintenance under the Agreement exceeds available funds for the Marina, the City could claim it is not obligated to make those excess expenditures.

Since the beginning of the agreement, the City has budgeted just over \$235,000 of General Fund dollars to the operation of the Marina. These expenses are absolutely necessary to meet the requirements of the agreement, as they relate to utilities for heating, aerator operation, electrical service, building repairs, proper lighting and insurance. There is also a pollution liability policy necessary due solely to providing fuel sales.

FISCAL IMPACT: The City has budgeted just over \$235,000 of General Fund dollars to operate the Marina. The bulk of this spending has occurred over the last 3 years. Just on those basic expenditures, averaging over \$70,000 a year, our remaining 22 years of contract could total 1.25 Million General Fund dollars committed to the Marina. This does not include any additional capital expenditures such as docks.

RECOMMENDATION: Approve Resolution No. 39-R-2020-2021

ATTACHMENTS:

Description

Type

RESOLUTION NO. 39-R-2020-2021

RESOLUTION MODIFYING A MANAGEMENT AGREEMENT FOR THE STORM LAKE MARINA BETWEEN THE CITY OF STORM LAKE AND THE STATE OF IOWA

WHEREAS, The State of Iowa, acting through the Iowa Department of Natural Resources (DNR), and the City of Storm Lake (City) jointly determined in 2014 that it was in the public interest to transfer the care and maintenance of state-owned real property, locally known as Storm Lake Marina, and

WHEREAS, The agreement was entered into under the authority of Iowa Code sections 364.1 and 461A.27, and

WHEREAS, Pursuant to said sections, the parties mutually agreed that the City would undertake the development, care, and maintenance of the state-owned real property, and

WHEREAS, The term of the agreement was effective on the date it is last signed and continues in full force and effect to and including December 31, 2038, and

WHEREAS, Under the agreement the City is obligated to maintain the property and the City's annual financial report for Fiscal Year 2020 indicates the City spent \$97,198 on the Marina with this amount not offset by any revenues from the Marina, and

WHEREAS, With basic necessary expenditures to operate the Marina over the last 3 years averaging \$70,000 per year for a total of \$235,000, the remaining twenty-two (22) years of the contract could require \$1.25 Million of General Fund dollars committed to the Marina, exclusive of necessary capital investment, and

WHEREAS, the City's financial condition has significantly changed since 2014 by circumstances outside of the City's control causing challenges to justify expending limited City Funds on a property outside of the City's corporate limits not owned by the City.

NOW THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF STORM LAKE, IOWA, that the City of Storm Lake can no longer maintain and manage the Property as a public access area for the citizens thereof and for the people of the State of Iowa in substantially the same manner as state-owned marina areas are maintained and managed by the DNR, and

BE IT FURTHER RESOLVED that the Mayor of the City of Storm Lake, Michael Porsch, be authorized to sign the Notice of Termination of Management Agreement with the Iowa Department of Natural Resources.

PASSED AND APPROVED THIS 15th day of February, 2021.

Michael Porsch, Mayor

ATTEST

Mayra Martinez, City Clerk

Staff Summary

2/15/2021

Agenda Item # E.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: Keri Navratil, City Manager

SUBJECT: **Resolution No. 40-R-2020-2021 Considering the Storm Lake Marina Contracts For The 2021 Season**

BACKGROUND: The City of Storm Lake issued a public notice for this request for qualifications on September 9, 2020 with proposals due no later than October 3, 2020.

The City Council, as the interview panel, made a recommendation to negotiate a contract with Tom Fitzpatrick and Andy Goettsch to run the Storm Lake Marina. It was also noted at this meeting the Department of Natural Resources also needs to approve the contract.

On October 6, 2020 the proposal from the prospective operators was sent to the DNR in an effort to engage their comments early in the negotiations.

October 8, 2020 City Staff presented the draft contract to the prospective operators, which included all items presented to City Council during the October 5, 2020 Meeting. On October 14, the DNR was sent the draft contract to review and follow-up correspondence was sent on October 26 and 28, 2020.

October 29, the City received red-lined agreements from the prospective operators' attorneys which included substantial changes from the original draft discussed on October 8, 2020.

As the City continued negotiating the contract, it was imperative that, additional clarification from the DNR was necessary and follow-up emails were sent on November 10 and 11, 2020. A zoom meeting with the DNR attorney was held on November 19.

On December 2, 2020 the DNR made it clear that the DNR requires preapproval of any operating agreement prior to its

consideration by the Storm Lake City Council. In addition, the DNR needs additional information about the day-to-day operations of the marina. The DNR's response raised several issues under the City's current contract that needed to be clarified.

On December 10, 2020 the city temporarily suspended negotiations.

FISCAL IMPACT: N/A

RECOMMENDATION: Move to direct staff to begin negotiations with Tom Fitzpatrick for operation of the Storm Lake Marina for the 2021 season

ATTACHMENTS:

Description	Type
📎 Resolution No. 40-R-2020-2021	Resolution

RESOLUTION NO. 40-R-2020-2021

RESOLUTION FOR NEGOTIATION OF AGREEMENT FOR OPERATING THE STORM LAKE MARINA BETWEEN THE CITY OF STORM LAKE AND TOM FITZPATRICK

WHEREAS, The State of Iowa, acting through the Iowa Department of Natural Resources (DNR), and the City of Storm Lake (City) jointly determined in 2014 that it was in the public interest to transfer the care and maintenance of state-owned real property, locally known as Storm Lake Marina, and

WHEREAS, The agreement was entered into under the authority of Iowa Code sections 364.1 and 461A.27, and

WHEREAS, Pursuant to said sections, the parties mutually agreed that the City would undertake the development, care, and maintenance of the state-owned real property, and

WHEREAS, The term of the agreement was effective on the date it is last signed and continues in full force and effect to and including December 31, 2038, and

WHEREAS, On October 8, 2020 City Staff presented the draft contract to the prospective operators, which included all items presented to City Council during the October 5, 2020 Meeting and on October 14, 2020 the DNR was sent the draft contract to review and follow-up correspondence was sent on October 26 and 28, 2020, and

WHEREAS, On October 29, 2020 the City received red-lined agreements from the prospective operators' attorneys which included substantial changes from the original draft discussed on October 8, 2020, and

WHEREAS, As the City continued negotiating the contract, it was imperative that, additional clarification from the DNR was necessary and follow-up emails were sent on November 10 and 11, 2020 and an online zoom meeting with the DNR attorney was held on November 19, 2020, and on December 2, 2020, the DNR made it clear that the DNR requires preapproval of any operating agreement prior to its consideration by the Storm Lake City Council. In addition, the DNR needs additional information about the day-to-day operations of the marina. The DNR's response raised several issues under the City's current contract that needed to be clarified, and

WHEREAS, On December 2, 2020, the DNR made it clear that the DNR requires preapproval of any operating agreement prior to its consideration by the Storm Lake City Council, the DNR needs additional information about the day-to-day operations of the marina and the DNR's response raised several issues under the City's current contract that needed to be clarified, and

WHEREAS, On December 10, 2020 the city temporarily suspended negotiations.

NOW THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF
STORM LAKE, IOWA, that the City of Storm Lake

PASSED AND APPROVED THIS 15th day of February, 2021.

Michael Porsch, Mayor

ATTEST

Mayra Martinez, City Clerk

Staff Summary

2/15/2021

Agenda Item # 4.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: Keri Navratil, City Manager

SUBJECT: **Resolution No. 44-R-2020-2021 Formally Naming Kiwanis Park**

BACKGROUND: In 2016, the City received a \$60,000 REAP grant to purchase a parcel of land at 5th and Russell formally known as the Joyce's Greenhouse site.

The Storm Lake Kiwanis Clubs, Hy-Noon and Beavers, will purchase and install playground equipment. On Saturday, May 15, 2021 Outdoor Recreations Products will provide an installation specialist and the Kiwanis Clubs, City and other volunteers will assist in the installation of the equipment.

FISCAL IMPACT: Nominal impact as the Kiwanis is purchasing and installing the equipment.

RECOMMENDATION: Approve Resolution No. 44-R-2020-2021 Naming Kiwanis Park

ATTACHMENTS:

Description	Type
☐ Resolution No. 44-R-2020-2021	Resolution
☐ Kiwanis Park Project	Backup Material

RESOLUTION NO. 44-R-2020-2021

RESOLUTION APPROVING NAMING THE PARK AT THE CORNER OF RUSSELL STREET AND EAST 5TH STREET KIWANIS PARK

WHEREAS, The Storm Lake Kiwanis Clubs (HY-Noon and Beavers) are partnering with the City of Storm Lake to purchase and install playground equipment for a newly developed park at the corner of Russell Street and East 5th Street in Storm Lake; and

WHEREAS, The Storm Lake Kiwanis Clubs have secured funding in the amount of \$43,500 for the project; and

WHEREAS, The Storm Lake Kiwanis Clubs have set Saturday, May 15, 2021 as the installation date for the new playground equipment; and

WHEREAS, The Storm Lake Kiwanis Clubs will donate the playground equipment to the City of Storm Lake once installed; and

WHEREAS, The Storm Lake Kiwanis Clubs plan to make future investments in the park site, hold an annual health fair at the park and to provide maintenance at the site as needed; and

WHEREAS, The Kiwanis Clubs plan to have a dedication ceremony to honor our donors in the Fall of 2021.

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

That the park located at the corner of Russell Street and 5th Street will now be known a Kiwanis Park in recognition of the contribution of the Storm Lake Kiwanis Clubs (HY-Noon and Beavers) to the community of Storm Lake and appropriate signage will be erected at the site recognizing the name.

PASSED AND APPROVED this 15th day of February 2021.

Michael Porsch, Mayor

ATTEST:

Mayra A. Martinez, City Clerk



Kiwanis Playground Equipment Project

Presentation to Storm Lake City Council
February 15, 2021

Project Description

The Storm Lake Kiwanis Clubs (HY-Noon and Beavers) will partner with the City of Storm Lake to purchase and install playground equipment for a newly developed park at the corner of Russell Street and East 5th Street in Storm Lake (former Joyce's Greenhouse site).

An article in the Storm Lake Pilot Tribune presented our vision for the project.
[Here is a link to that article.](#)

The next four slides present pictures of the site and the playground equipment the Kiwanis Clubs plan to purchase and install at the park.

Site Map





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Kiwanis Storm Lake

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Kiwanis Storm Lake

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Outdoor Recreation Products

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Thanks to the Following Organizations for Providing Funds for the Project:

Buena Vista County Foundation Grant - \$13,000

Healthy Iowa (5210) Grant - \$10,500

Local Kiwanis Clubs' Budgets - \$10,000

Kiwanis Grants (Children's Fund and NE/IA Foundation) - \$6,000

City of Storm Lake - \$4,000 + site work and staff expertise

Total Funding for the Project = \$43,500

Installation and Dedication Timeline

We have set **Saturday, May 15, 2021** as the installation date. Outdoor Recreations Products will provide an installation specialist and the Kiwanis Clubs will provide the labor. We hope to also receive help with the installation from City staff and high school students.

Once the playground equipment is installed, the Kiwanis Clubs will donate the equipment to the City of Storm Lake.

The Kiwanis Clubs hope to have a dedication ceremony to honor our donors in the Fall of 2021.

Storm Lake Kiwanis Clubs' Request

The Kiwanis' Clubs of Storm Lake plan to make future investments in the park site. One item we have discussed is the possibility of providing funding to help construct a shelter at the park.

In addition, the Kiwanis' Clubs plan to hold an annual health fair at the park and to provide maintenance at the site as needed. The Kiwanis Aktion Club and Key Club will help maintain the park.

Considering the Kiwanis Clubs planned investments in developing the park, it is our hope that the Storm Lake City Council would consider naming the park at the corner of Russell Street and East 5th Street - **“Kiwanis Park”**

Staff Summary

2/15/2021
Agenda Item # 5.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: Scott Olesen, Building Official

SUBJECT: **Resolution No. 45-R-2020-2021 to Accept Bids, Award and Approve Contract with Christiansen Construction, Of Pender, Nebraska, For The Radio Park Lift Station Project**

BACKGROUND: The City of Storm Lake's Radio Park Lift Station was determined to be in poor condition to the point where replacement was more appropriate than attempting to repair the existing facility.

The City's Engineering firm ISG, developed the plans and specifications for this project, arranged a pre-bid visit to the lift station for the bidding contractors, and set the date for opening of competitive bids.

The bids were opened on February 4, 2021. The Engineers estimate of cost for the base bid of the project was \$520,191.00. The City received seven bids. The lowest bidder was Christiansen Construction, Pender Nebraska. They provided a bid of \$458,028.00. The highest bid was \$702,235.00, which was submitted by J & K Contracting, of Urbandale, Iowa. There was an alternate to the plans for an on-site emergency generator. The Engineers estimate for the alternate was \$47,200.00. Christiansen Construction's alternate bid was \$36,000.00, the highest alternate bid was \$50,200.00 submitted by H&W Construction.

ISG has recommended that the base bid and the alternate submitted by Christiansen Construction for a total cost of \$494,028.00 be accepted.

The lowest bidder was Christiansen Construction and the highest bidder, including the alternate (\$753,735) was J & K Contracting.

The plans for the project, the Engineers recommendation for acceptance of the lowest bid, as well as the estimates are attached to this staff summary.

FISCAL IMPACT: The bid for this project is \$458,028.00 Alternate Bid of \$36,000.00 for a total bid price of \$494,028.00.

RECOMMENDATION: Approve Resolution No. 45-R-2020-2021 to Accept Bids, Award and Approve Contract with Christiansen Construction, Of Pender, Nebraska For The Radio Park Lift Station Replacement Project, including the alternate bid for the on-site emergency generator, for a total bid of \$494,028.00.

ATTACHMENTS:

Description	Type
Resolution No. 45-R-2020-2021	Resolution

RESOLUTION NO. 45–R-2020-2021

**RESOLUTION ACCEPTING BIDS, AWARDING BID AND APPROVING CONTRACT
FOR THE CITY OF STORM LAKE RADIO PARK LIFT STATION IMPROVEMENTS
PROJECT**

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF STORM LAKE,
IOWA;

Section 1. That the following bid for the construction of certain public improvements described in general as the Radio Park Lift Station Improvements Project described in the plans and specifications heretofore adopted by this Council on January 4, 2021, be and is hereby accepted and awarded, the same being the lowest responsible bid received for said work, as follows:

Contractor:	Christiansen Construction Company From Pender, NE
Amount of Bid:	\$458,028.00.00
Portion of Project:	All

Section 2. That the construction contract and bond executed and insurance coverage for the construction of the Radio Park Lift Station Improvements Project, as described in detail in the plans and specifications heretofore approved, and can be signed by the Mayor and Clerk on behalf of the City be and the same hereby approved contingent to all the required concurrence and consents as follows:

Contractor:	Christiansen Construction Company from Pender, NE
Date of Contract:	February 15, 2021
Portion of Project:	All

PASSED AND APPROVED this 15th day of February, 2021.

Michael Porsch, Mayor

ATTEST:

Mayra A. Martinez, City Clerk

Staff Summary

2/15/2021

Agenda Item # 6.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: Brian Oakleaf, Finance Director

SUBJECT: **Public Hearing On The Authorization Of A Loan Agreement And The Issuance Of Not To Exceed \$8,100,000 General Obligation Refunding Capital Loan Notes To Evidence The Obligation Of The City Thereunder And**

Resolution No. 46-R-2020-2021 Instituting Proceedings To Take Additional Action.

BACKGROUND: This agenda item will hold a public hearing for Not To Exceed **\$8,100,000 General Obligation Refunding Capital Loan Notes**. This is for the refinancing of 8 separate series of Bonds Dating Oct. 5th, 2006 to May 10th, 2016.

The refinancing of these issues will provide savings on future interest costs and reduce overall debt.

This Refunding does not extend the maturity date and does not substantially change the Principal Schedule.

At the conclusion of the Public Hearing, the Resolution serves as a declaration of official intent under Treasury Regulation 1.150-2 that City Council has held a public hearing for a Loan Agreement and that this Council does hereby institute proceedings and take additional action for the authorization and issuance in the manner required by law.

FISCAL IMPACT: There is no direct fiscal impact of this Resolution, but it does authorize further action towards eventual financial indebtedness and obligation.

RECOMMENDATION: Open Public Hearing
Accept Comments from the Public
Close Public Hearing
Approve Resolution No. 46-R-2020-2021

ATTACHMENTS:

Description	Type
📎 Public Hearing Notice	Backup Material
📎 Resolution No. 46-R-2020-2021	Resolution

(To be published between: February 2, 2021 and February 10, 2021)

NOTICE OF MEETING OF THE CITY COUNCIL OF THE
CITY OF STORM LAKE, STATE OF IOWA, ON THE
MATTER OF THE PROPOSED AUTHORIZATION OF A
LOAN AGREEMENT AND THE ISSUANCE OF NOT TO
EXCEED \$8,100,000 GENERAL OBLIGATION REFUNDING
CAPITAL LOAN NOTES OF THE CITY (FOR ESSENTIAL
CORPORATE PURPOSES), AND THE HEARING ON THE
ISSUANCE THEREOF

PUBLIC NOTICE is hereby given that the City Council of the City of Storm Lake, State of Iowa, will hold a public hearing on the 15th day of February 2021, at 5:00 P.M, at which meeting the Council proposes to take additional action for the authorization of a Loan Agreement and the issuance of not to exceed \$8,100,000 General Obligation Refunding Capital Loan Notes, for essential corporate purposes, to provide funds to pay the costs of the settlement, adjustment, renewing, or extension of any part or all of the legal indebtedness of a city, whether evidenced by bonds, warrants, or judgments, or the funding or refunding of the same, including the General Obligation Urban Renewal Refunding Bonds, Series 2012C; Storm Water Revenue Bonds, Series 2013C; Sales Tax Increment Revenue Bonds Series 2015; General Obligation Capital Loan Notes, Series 2015; Storm Water Revenue Capital Loan Notes, Series 2015; and Taxable General Obligation Refunding Capital Loan Notes, Series 2016A. Principal and interest on the proposed Loan Agreement will be payable from the Debt Service Fund.

Due to public health concerns related to COVID-19, as authorized by emergency proclamation of the Governor of the State of Iowa, this meeting of the City Council will be conducted electronically, pursuant to Iowa Code Section 21.8, as holding the meeting in person is impossible or impractical.

The public may access the meeting electronically in the manner specified below:

To access this meeting by telephone, use the following call-in information:

[DIAL IN TO PARTICIPATE: 1-408-418-9388 ACCESS CODE: 146 514 7318]

Please check the posted agenda in advance of the meeting for any updates to the manner in which the public may access the meeting.

All persons wishing to observe or participate in the meeting and/or public hearing may do so by accessing the meeting as directed above, and may also submit comments to the City prior to the meeting. At the above meeting the Council shall receive oral or written objections from any resident or property owner of the City to the above action. After all objections have been received and considered, the Council will at the meeting or at any adjournment thereof, take additional action for the authorization of a Loan Agreement and the issuance of the Notes to evidence the obligation of the City thereunder or will abandon the proposal to issue said Notes.

This notice is given by order of the City Council of the City of Storm Lake, State of Iowa, as provided by Sections 384.24A and 384.25 of the Code of Iowa.

Dated this 1st day of February, 2021.

/s/Mayra A. Martinez
City Clerk, City of Storm Lake, State of Iowa

(End of Notice)

01822517-1\11149-121

RESOLUTION NO. 46-R-2020-2021

**RESOLUTION INSTITUTING PROCEEDINGS TO TAKE
ADDITIONAL ACTION FOR THE ISSUANCE OF NOT TO
EXCEED \$8,100,000 GENERAL OBLIGATION REFUNDING
CAPITAL LOAN NOTES**

WHEREAS, pursuant to notice published as required by law, the City Council has held a public meeting and hearing upon the proposal to institute proceedings for the authorization of a Loan Agreement and the issuance of not to exceed \$8,100,000 General Obligation Refunding Capital Loan Notes, for the essential corporate purposes, in order to provide funds to pay the costs of the settlement, adjustment, renewing, or extension of any part or all of the legal indebtedness of a city, whether evidenced by bonds, warrants, or judgments, or the funding or refunding of the same, including the General Obligation Urban Renewal Refunding Bonds, Series 2012C; Storm Water Revenue Bonds, Series 2013C; Sales Tax Increment Revenue Bonds Series 2015; General Obligation Capital Loan Notes, Series 2015; Storm Water Revenue Capital Loan Notes, Series 2015; and Taxable General Obligation Refunding Capital Loan Notes, Series 2016A, and has considered the extent of objections received from residents or property owners as to the proposed issuance of Notes; and following action is now considered to be in the best interests of the City and residents thereof.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF STORM LAKE, STATE OF IOWA:

Section 1. That this Council does hereby institute proceedings and take additional action for the authorization and issuance in the manner required by law of not to exceed \$8,100,000 General Obligation Refunding Capital Loan Notes, for the foregoing essential corporate purposes.

PASSED AND APPROVED this 15th day of February, 2021.

Michael Porsch, Mayor

ATTEST:

Mayra A. Martinez, City Clerk

Staff Summary

2/15/2021

Agenda Item # 7.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: David Derragon, Assistant City Manager

SUBJECT: **Public Hearing for the Oneida Street Reconstruction Project Plans, Specifications, and Form of Contract**

BACKGROUND: The project provides for the reconstruction of Oneida Street from Highway 7 (East Milwaukee Avenue) to East Railroad Street and includes the removal of a 70+ year old collector road and replacement with new 31-foot-wide concrete surfacing and associated subdrains. Bids for the project were initially let in April 2020 and the two received bids were nearly \$500,000 over the engineer's estimate. Bids were rejected at the May 4, 2020 meeting and it was determined the project scope be ultimately reduced to become aligned with the project budget.

FISCAL IMPACT: The Engineer's Opinion of Probable Construction Cost is \$2,128,956.00. The project is receiving federal/state aid funding in the amount of \$594,300. The balance of the construction cost will be local match and provided through Road Use, Franchise Fee, and Local Option Sales Tax funds.

RECOMMENDATION: Open Public Hearing
Hear Comments
Close Public Hearing

ATTACHMENTS:

Description	Type
☐ IDOT Informatoin	Backup Material
☐ Notice of Public Hearing	Backup Material
☐ Engineer's Estimate of Construction Cost	Backup Material
☐ Plans	Backup Material



**CONTRACTS AND SPECIFICATIONS BUREAU
Proposal**

Proposal ID: 11-7422-618-A **Letting Date:** January 20, 2021 10:00 A.M.
Call Order No.: 103
Proposal Work Type: PCC PAVEMENT - GRADE AND NEW
DBE Goal: 0.0%
Contracting Authority: CITY OF STORM LAKE
Proposal Guaranty: \$125,000.00

This proposal includes the following project(s):

Project Number: STBG-SWAP-7422(618)--SG-11	County: BUENA VISTA
Project Work Type: PCC PAVEMENT - GRADE AND NEW	Route: ONEIDA STREET
Location: In the city of Storm Lake On Oneida St. from Milwaukee Ave nue south .42 Miles to East Railroad St.	
Road System: URBAN	
Federal Aid - Wages: Non-Federal Aid - Predetermined Wages are not in Effect	

Contract Time

Proposal ID:	11-7422-618-A	Call Order No.:	103
		Letting Date:	January 20, 2021 10:00 A.M.

Site ID	Site Details			Liquidated Damages
00	Late Start Date	05/03/2021	130 WORK DAYS	\$1,500.00

(*) - Indicates Cost Plus Time Site. See Schedule of Items for Cost Per Unit

Proposal Notes

Proposal ID: 11-7422-618-A**Call Order No.:** 103**Letting Date:** January 20, 2021 10:00 A.M.

Proposal Notes :

There are no notes for this proposal.

Proposal Specifications List

Page 1 of 1

Proposal ID: 11-7422-618-A**Call Order No.:** 103**Letting Date:** January 20, 2021 10:00 A.M.

Note	Description
001.2015	*** STANDARD SPECIFICATIONS -- SERIES 2015 *** The Iowa Department of Transportation STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, SERIES 2015, plus applicable General Supplemental Specifications, Developmental Specifications, Supplemental Specifications AND Special Provisions shall apply to construction work on this contract.
410.11	*** STORM WATER POLLUTION PREVENTION PLAN *** A Storm Water Pollution Prevention Plan has been developed by the Contracting Authority for one or more projects on this contract. See the project plans (or other contract document) for specific Storm Water Pollution Prevention Plan details.
500.01	*** WINTER WORK *** The free time allowed between November 15 and April 1 will not be permitted on this project. The Contractor shall work during the winter on all working days as defined in Article 1101.03 'Working Day'.
GS-15011	GENERAL SUPPLEMENTAL SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION

Proposal Schedule of Items

Proposal ID: 11-7422-618-A

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item Number Item Description	Item Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0010	2101-0850002 CLEARING AND GRUBBING	160.000 UNIT				
0020	2102-2713070 EXCAVATION, CLASS 13, ROADWAY AND BORROW	6,483.000 CY				
0030	2105-8425005 TOPSOIL, FURNISH AND SPREAD	1,236.000 CY				
0040	2109-8225100 SPECIAL COMPACTION OF SUBGRADE	21.000 STA				
0050	2115-0100000 MODIFIED SUBBASE	1,843.000 CY				
0060	2123-7450020 SHOULDER FINISHING, EARTH	30.000 STA				
0070	2213-7100400 RELOCATION OF MAIL BOXES	1.000 EACH				
0080	2301-1013070 STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS A, CLASS 3 DURABILITY, 7 IN.	8,481.000 SY				
0090	2315-8275025 SURFACING, DRIVEWAY, CLASS A CRUSHED STONE	21.000 TON				
0100	2435-0130148 MANHOLE, SANITARY SEWER, SW- 301, 48 IN.	1.000 EACH				
0110	2435-0140148 MANHOLE, STORM SEWER, SW-401, 48 IN.	1.000 EACH				

Proposal Schedule of Items

Page 2 of 9

Proposal ID: 11-7422-618-A

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item Number Item Description	Item Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0120	2435-0140160 MANHOLE, STORM SEWER, SW-401, 60 IN.	3.000 EACH	_____	_____	_____	_____
0130	2435-0140172 MANHOLE, STORM SEWER, SW-401, 72 IN.	1.000 EACH	_____	_____	_____	_____
0140	2435-0140184 MANHOLE, STORM SEWER, SW-401, 84 IN.	1.000 EACH	_____	_____	_____	_____
0150	2435-0140210 MANHOLE, STORM SEWER, SW-402 MODIFIED	1.000 EACH	_____	_____	_____	_____
0160	2435-0250100 INTAKE, SW-501	10.000 EACH	_____	_____	_____	_____
0170	2435-0250248 INTAKE, SW-502, 48 IN.	3.000 EACH	_____	_____	_____	_____
0180	2435-0250260 INTAKE, SW-502, 60 IN.	3.000 EACH	_____	_____	_____	_____
0190	2435-0250500 INTAKE, SW-505	4.000 EACH	_____	_____	_____	_____
0200	2502-8212036 SUBDRAIN, LONGITUDINAL, (SHOULDER) 6 IN. DIA.	3,984.000 LF	_____	_____	_____	_____
0210	2502-8221006 SUBDRAIN RISER, 6 IN., AS PER PLAN	21.000 EACH	_____	_____	_____	_____
0220	2502-8221303 SUBDRAIN OUTLET, DR-303	37.000 EACH	_____	_____	_____	_____

Proposal Schedule of Items

Page 3 of 9

Proposal ID: 11-7422-618-A

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item Number Item Description	Item Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0230	2503-0114224 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 24 IN.	16.000 LF	_____	_____	_____	_____
0240	2503-0114230 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 30 IN.	22.000 LF	_____	_____	_____	_____
0250	2503-0114236 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 36 IN.	50.000 LF	_____	_____	_____	_____
0260	2503-0114612 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3750D (CLASS V), 12 IN.	8.000 LF	_____	_____	_____	_____
0270	2503-0114615 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3750D (CLASS V), 15 IN.	943.000 LF	_____	_____	_____	_____
0280	2503-0114618 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3750D (CLASS V), 18 IN.	83.000 LF	_____	_____	_____	_____
0290	2503-0116324 STORM SEWER GRAVITY MAIN, TRENCHED, 2000D LOW CLEARANCE CONCRETE PIPE, EQUIVALENT DIAMETER 24 IN.	753.000 LF	_____	_____	_____	_____

Proposal Schedule of Items

Page 4 of 9

Proposal ID: 11-7422-618-A

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item Number Item Description	Item Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0300	2503-0116330 STORM SEWER GRAVITY MAIN, TRENCHED, 2000D LOW CLEARANCE CONCRETE PIPE, EQUIVALENT DIAMETER 30 IN.	359.000 LF	_____	_____	_____	_____
0310	2503-0200036 REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	2,155.000 LF	_____	_____	_____	_____
0320	2504-0114008 SANITARY SEWER GRAVITY MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 8 IN.	66.000 LF	_____	_____	_____	_____
0330	2504-0200404 SANITARY SEWER SERVICE STUB, POLYVINYL CHLORIDE PIPE (PVC), 4 IN.	57.000 LF	_____	_____	_____	_____
0340	2504-0200406 SANITARY SEWER SERVICE STUB, POLYVINYL CHLORIDE PIPE (PVC), 6 IN.	46.000 LF	_____	_____	_____	_____
0350	2504-0240036 REMOVE SANITARY SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	66.000 LF	_____	_____	_____	_____
0360	2510-6745850 REMOVAL OF PAVEMENT	9,393.000 SY	_____	_____	_____	_____
0370	2510-6750600 REMOVAL OF INTAKES AND UTILITY ACCESSES	19.000 EACH	_____	_____	_____	_____
0380	2511-6745900 REMOVAL OF SIDEWALK	429.000 SY	_____	_____	_____	_____
0390	2511-7526005 SIDEWALK, P.C. CONCRETE, 5 IN.	117.000 SY	_____	_____	_____	_____

Proposal Schedule of Items

Page 5 of 9

Proposal ID: 11-7422-618-A

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item Number Item Description	Item Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0400	2511-7526006 SIDEWALK, P.C. CONCRETE, 6 IN.	298.000 SY	_____	_____	_____	_____
0410	2511-7528101 DETECTABLE WARNINGS	216.000 SF	_____	_____	_____	_____
0420	2515-2475006 DRIVEWAY, P.C. CONCRETE, 6 IN.	2,925.000 SY	_____	_____	_____	_____
0430	2515-6745600 REMOVAL OF PAVED DRIVEWAY	2,255.000 SY	_____	_____	_____	_____
0440	2524-6765010 REMOVE AND REINSTALL SIGN AS PER PLAN	17.000 EACH	_____	_____	_____	_____
0450	2527-9263109 PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	5.570 STA	_____	_____	_____	_____
0460	2527-9263137 PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED	2.000 EACH	_____	_____	_____	_____
0470	2528-2518000 SAFETY CLOSURE	14.000 EACH	_____	_____	_____	_____
0480	2528-8445110 TRAFFIC CONTROL	LUMP SUM	LUMP SUM		_____	_____
0490	2533-4980005 MOBILIZATION	LUMP SUM	LUMP SUM		_____	_____
0500	2552-0000210 TRENCH FOUNDATION	200.000 TON	_____	_____	_____	_____
0510	2554-0114006 WATER MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 6 IN.	2,066.000 LF	_____	_____	_____	_____

Proposal Schedule of Items

Proposal ID: 11-7422-618-A

SECTION: 0001 Roadway Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item Number Item Description	Item Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0520	2554-0203000 FITTINGS BY WEIGHT, DUCTILE IRON	745.000 LB				
0530	2554-0205000 WATER SERVICE STUB, POLYETHYLENE 1 INCH	199.000 LF				
0540	2554-0205600 WATER SERVICE CURB STOP AND BOX, COPPER	12.000 EACH				
0550	2554-0207004 VALVE, GATE, DIP, 4 IN.	4.000 EACH				
0560	2554-0207006 VALVE, GATE, DIP, 6 IN.	12.000 EACH				
0570	2554-0210201 FIRE HYDRANT ASSEMBLY, WM-201	5.000 EACH				
0580	2555-0000010 DELIVER AND STOCKPILE SALVAGED MATERIALS	LUMP SUM	LUMP SUM			
0590	2599-9999005 (‘EACH’ ITEM) CONNECT TO EXISTING SANITARY SEWER	4.000 EACH				
0600	2599-9999005 (‘EACH’ ITEM) CONNECT TO EXISTING STORM SEWER	1.000 EACH				
0610	2599-9999005 (‘EACH’ ITEM) CONNECT TO EXISTING WATERMAIN	9.000 EACH				
0620	2599-9999005 (‘EACH’ ITEM) SALVAGE FIRE HYDRANT	4.000 EACH				

Proposal Schedule of Items

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Proposal ID: 11-7422-618-A

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item Number Item Description	Item Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0630	2599-9999005 (‘EACH’ ITEM) SANITARY SEWER SERVICE REPAIR	5.000 EACH	_____	_____	_____	_____
0640	2599-9999005 (‘EACH’ ITEM) TILE REPAIR	5.000 EACH	_____	_____	_____	_____
0650	2599-9999005 (‘EACH’ ITEM) YARD HYDRANT	1.000 EACH	_____	_____	_____	_____
0660	2599-9999007 (‘HOURS’ ITEM) EXPLORATORY EXCAVATION	19.000 HOUR	_____	_____	_____	_____
0670	2599-9999007 (‘HOURS’ ITEM) SWEEPING	49.000 HOUR	_____	_____	_____	_____
0680	2599-9999009 (‘LINEAR FEET’ ITEM) 4 INCH SUBDRAIN STUB	120.000 LF	_____	_____	_____	_____
0690	2599-9999009 (‘LINEAR FEET’ ITEM) WATERMAIN REMOVAL OR ABANDONMENT	1,918.000 LF	_____	_____	_____	_____
0700	2599-9999010 (‘LUMP SUM’ ITEM) GARBAGE SERVICE MAINTENANCE	LUMP SUM	LUMP SUM		_____	_____
0710	2599-9999010 (‘LUMP SUM’ ITEM) TEMPORARY MAIL SERVICE MAINTENANCE	LUMP SUM	LUMP SUM		_____	_____
0720	2599-9999010 (‘LUMP SUM’ ITEM) TEMPORARY WATER	LUMP SUM	LUMP SUM		_____	_____
0730	2599-9999012 (‘THOUSANDS OF GALLONS’ ITEM) DUST CONTROL	500.000 MGAL	_____	_____	_____	_____

Proposal Schedule of Items

Page 8 of 9

Proposal ID: 11-7422-618-A

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item Number Item Description	Item Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0740	2599-9999018 (‘SQUARE YARDS’ ITEM) POLYSTYRENE INSULATION 4 INCH	25.000 SY	_____	_____	_____	_____
0750	2599-9999018 (‘SQUARE YARDS’ ITEM) TEMPORARY GRANULAR SURFACE CASE 1	1,615.000 SY	_____	_____	_____	_____
0760	2599-9999018 (‘SQUARE YARDS’ ITEM) TEMPORARY ROLLED EROSION CONTROL TYPE 1B	9,600.000 SY	_____	_____	_____	_____
0770	2599-9999020 (‘TONS’ ITEM) GRANULAR SUBBASE	5,905.000 TON	_____	_____	_____	_____
0780	2599-9999020 (‘TONS’ ITEM) TEMPORARY GRANULAR SURFACE CASE 2	150.000 TON	_____	_____	_____	_____
0790	2601-2634105 MULCHING, BONDED FIBER MATRIX	2.000 ACRE	_____	_____	_____	_____
0800	2601-2636044 SEEDING AND FERTILIZING (URBAN)	2.000 ACRE	_____	_____	_____	_____
0810	2601-2636070 HYDRAULIC SEEDING	2.000 ACRE	_____	_____	_____	_____
0820	2602-0000150 STABILIZED CONSTRUCTION ENTRANCE, EC-303	160.000 LF	_____	_____	_____	_____
0830	2602-0000530 GRATE INTAKE SEDIMENT FILTER BAG	48.000 EACH	_____	_____	_____	_____
0840	2602-0000540 MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG	132.000 EACH	_____	_____	_____	_____

Proposal Schedule of Items

Page 9 of 9

Proposal ID: 11-7422-618-A

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item Number Item Description	Item Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0850	2602-0000550 REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG	48.000 EACH	_____	_____	_____	_____
0860	2602-0010010 MOBILIZATIONS, EROSION CONTROL	10.000 EACH	_____	500.00000	_____	5,000.00
Section: 0001			Total:		_____	_____
			Total Bid:		_____	_____

NOTICE OF PUBLIC HEARING

Oneida Street Reconstruction Project, Phase 1 City of Storm Lake

Public Hearing on Proposed Contract Documents and Estimated Costs for Repair or Improvement.

A public hearing will be held by the City of Storm Lake on the proposed contract documents (plans, specifications and form of contract) and estimated cost for the improvement at its meeting at 5:00 P.M. on February 15, 2021, at 620 Erie Street, in Storm Lake, Iowa.

Project Description: Oneida Street Improvements from E. Milwaukee Avenue to E. Railroad Street including reconstruction of roadway, watermain, storm sewer, sanitary sewer, sidewalk, and related improvements.

This Notice is given by authority of the
City of Storm Lake

Mayra Martinez
City Clerk

ENGINEER'S ESTIMATE**2020 STREET & UTILITY IMPROVEMENTS****CITY OF STORM LAKE**

IDOT Project Number: STBG-SWAP-7422(618)--SG-11



Real People. Real Solutions.

October 26, 2020

Item No.	Item	Unit	PARTICIPATING	NON-PARTICIPATING	TOTAL	Unit Price	Total Amount
1	CLEARING AND GRUBBING	UNIT	160.0	-	160	\$30.00	\$4,800.00
2	EXCAVATION, CLASS 13, ROADWAY AND BORROW	CY	6483.0	-	6483	\$15.00	\$97,245.00
3	TOPSOIL, FURNISH AND SPREAD	CY	1236.0	-	1236	\$60.00	\$74,160.00
4	SPECIAL COMPACTION OF SUBGRADE	STA	21.0	-	21	\$1,080.00	\$22,680.00
5	MODIFIED SUBBASE	CY	1843.0	-	1843	\$64.00	\$117,952.00
6	SHOULDER FINISHING, EARTH	STA	30.0	-	30	\$480.00	\$14,400.00
7	RELOCATION OF MAIL BOXES	EACH	1.0	-	1	\$500.00	\$500.00
8	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS A, CLASS 3 DURABILITY, 7"	SY	8481.0	-	8481	\$50.00	\$424,050.00
9	SURFACING, DRIVEWAY, CLASS A CRUSHED STONE	TON	21.0	-	21	\$34.00	\$714.00
10	MANHOLE, SANITARY SEWER, SW-301, 48"	EACH	-	1.0	1	\$6,600.00	\$6,600.00
11	MANHOLE, STORM SEWER, SW-401, 48"	EACH	1.0	-	1	\$4,000.00	\$4,000.00
12	MANHOLE, STORM SEWER, SW-401, 60"	EACH	3.0	-	3	\$6,000.00	\$18,000.00
13	MANHOLE, STORM SEWER, SW-401, 72"	EACH	1.0	-	1	\$7,000.00	\$7,000.00
14	MANHOLE, STORM SEWER, SW-401, 84"	EACH	1.0	-	1	\$9,500.00	\$9,500.00
15	MANHOLE, STORM SEWER, SW-402 MODIFIED	EACH	1.0	-	1	\$9,000.00	\$9,000.00
16	INTAKE, SW-501	EACH	10.0	-	10	\$3,400.00	\$34,000.00
17	INTAKE, SW-502, 48"	EACH	3.0	-	3	\$4,000.00	\$12,000.00
18	INTAKE, SW-502, 60"	EACH	3.0	-	3	\$6,000.00	\$18,000.00
19	INTAKE, SW-505	EACH	4.0	-	4	\$4,500.00	\$18,000.00
20	SUBDRAIN, LONGITUDINAL, (SHOULDER) 6"	LF	3984.0	-	3984	\$14.00	\$55,776.00
21	SUBDRAIN RISER, 6", AS PER PLAN	EACH	21.0	-	21	\$600.00	\$12,600.00
22	SUBDRAIN OUTLET, DR-303	EACH	37.0	-	37	\$315.00	\$11,655.00
23	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 24"	LF	16.0	-	16	\$70.00	\$1,120.00
24	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 30"	LF	22.0	-	22	\$78.00	\$1,716.00
25	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 36"	LF	50.0	-	50	\$115.00	\$5,750.00
26	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 3750D, 12"	LF	8.0	-	8	\$250.00	\$2,000.00
27	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 3750D, 15"	LF	943.0	-	943	\$60.00	\$56,580.00
28	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 3750D, 18"	LF	83.0	-	83	\$63.00	\$5,229.00
29	STORM SEWER GRAVITY MAIN, TRENCHED, 2000D LOW CLEARANCE CONCRETE PIPE, EQUIVALENT DIAMETER 24 IN	LF	753.0	-	753	\$60.00	\$45,180.00
30	STORM SEWER GRAVITY MAIN, TRENCHED, 2000D LOW CLEARANCE CONCRETE PIPE, EQUIVALENT DIAMETER 30 IN	LF	359.0	-	359	\$64.00	\$22,976.00
31	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36"	LF	2155.0	-	2155	\$17.00	\$36,635.00
32	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 8"	LF	-	66.0	66	\$100.00	\$6,600.00
33	SANITARY SEWER SERVICE STUB, PVC, 4"	LF	-	57.0	57	\$75.00	\$4,275.00

ENGINEER'S ESTIMATE**2020 STREET & UTILITY IMPROVEMENTS****CITY OF STORM LAKE**

IDOT Project Number: STBG-SWAP-7422(618)--SG-11



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October 26, 2020

Item No.	Item	Unit	PARTICIPATING	NON-PARTICIPATING	TOTAL	Unit Price	Total Amount
34	SANITARY SEWER SERVICE STUB, PVC, 6"	LF	-	46.0	46	\$92.00	\$4,232.00
35	REMOVE SANITARY SEWER PIPE LESS THAN OR EQUAL TO 36"	LF	-	66.0	66	\$30.00	\$1,980.00
36	REMOVAL OF PAVEMENT	SY	9393.0	-	9393	\$4.00	\$37,572.00
37	REMOVAL OF INTAKE AND UTILITY ACCESS	EACH	19.0	-	19	\$500.00	\$9,500.00
38	REMOVAL OF SIDEWALK	SY	429.0	-	429	\$10.00	\$4,290.00
39	SIDEWALK, PCC, 5"	SY	117.0	-	117	\$54.00	\$6,318.00
40	SIDEWALK, PCC, 6"	SY	298.0	-	298	\$59.00	\$17,582.00
41	DETECTABLE WARNING	SF	216.0	-	216	\$43.00	\$9,288.00
42	DRIVEWAY, PCC, 6"	SY	2925.0	-	2925	\$60.00	\$175,500.00
43	REMOVAL OF PAVED DRIVEWAY	SY	2255.0	-	2255	\$7.00	\$15,785.00
44	SAFETY CLOSURE	EACH	14.0	-	14	\$150.00	\$2,100.00
45	REMOVE AND REINSTALL SIGN	EACH	17.0	-	17	\$215.00	\$3,655.00
46	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT	STA	5.57	-	5.57	\$500.00	\$2,785.00
47	PAINTED SYMBOL AND LEGEND, WATERBORNE OR SOLVENT	EACH	2.0	-	2	\$200.00	\$400.00
48	TRAFFIC CONTROL	LS	0.8	0.2	1	\$30,000.00	\$30,000.00
49	MOBILIZATION	LS	0.8	0.2	1	\$50,000.00	\$50,000.00
50	TRENCH FOUNDATION	TON	50.0	150.0	200	\$36.00	\$7,200.00
51	WATER MAIN, TRENCHED, PVC, 6"	LF	-	2066.0	2066	\$53.00	\$109,498.00
52	FITTINGS BY WEIGHT, DUCTILE IRON	LB	-	745.0	745	\$10.00	\$7,450.00
53	WATER SERVICE STUB, POLYETHYLENE, 1"	LF	-	199.0	199	\$37.00	\$7,363.00
54	WATER SERVICE CURB STOP & BOX	EACH	-	12.0	12	\$800.00	\$9,600.00
55	VALVE, GATE, DIP, 4"	EACH	-	4.0	4	\$1,300.00	\$5,200.00
56	VALVE, GATE, DIP, 6"	EACH	-	12.0	12	\$1,600.00	\$19,200.00
57	FIRE HYDRANT ASSEMBLY, WM-201	EACH	-	5.0	5	\$5,500.00	\$27,500.00
58	DELIVER AND STOCKPILE SALVAGED MATERIALS	LS	1.0	-	1	\$1,200.00	\$1,200.00
59	CONNECT TO EXISTING SANITARY SEWER	EACH	-	4.0	4	\$250.00	\$1,000.00
60	CONNECT TO EXISTING STORM SEWER	EACH	1.0	-	1	\$400.00	\$400.00
61	CONNECT TO EXISTING WATER MAIN	EACH	-	9.0	9	\$2,000.00	\$18,000.00
62	SALVAGE FIRE HYDRANT	EACH	-	4.0	4	\$850.00	\$3,400.00
63	SANITARY SEWER SERVICE REPAIR	EACH	-	5.0	5	\$2,000.00	\$10,000.00
64	TILE REPAIR	EACH	5.0	-	5	\$950.00	\$4,750.00
65	YARD HYDRANT	EACH	-	1.0	1	\$3,000.00	\$3,000.00
66	EXPLORATORY EXCAVATION	HOUR	16.0	3.0	19	\$400.00	\$7,600.00
67	SWEEPING	HOUR	49.0	-	49	\$200.00	\$9,800.00

ENGINEER'S ESTIMATE

2020 STREET & UTILITY IMPROVEMENTS

CITY OF STORM LAKE

IDOT Project Number: STBG-SWAP-7422(618)--SG-11



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October 26, 2020

Item No.	Item	Unit	PARTICIPATING	NON-PARTICIPATING	TOTAL	Unit Price	Total Amount
68	4" SUBDRAIN STUB	LF	120.0	-	120	\$30.00	\$3,600.00
69	WATERMAIN REMOVAL OR ABANDONMENT	LF	-	1918.0	1918	\$15.00	\$28,770.00
70	GARBAGE SERVICE MAINTENANCE	LS	1.0	-	1	\$5,000.00	\$5,000.00
71	TEMPORARY MAIL SERVICE MAINTENANCE	LS	1.0	-	1	\$5,000.00	\$5,000.00
72	TEMPORARY WATER	LS	-	1.0	1	\$50,000.00	\$50,000.00
73	DUST CONTROL	MGAL	500.0	-	500	\$35.00	\$17,500.00
74	POLYSTYRENE INSULATION, 4"	SY	-	25.0	25	\$180.00	\$4,500.00
75	TEMPORARY GRANULAR SURFACE CASE 1	SY	1615.0	-	1615	\$10.00	\$16,150.00
76	TEMPORARY ROLLED EROSION CONTROL PRODUCTS (RECP), TYPE 1B	SY	9600.0	-	9600	\$2.00	\$19,200.00
77	GRANULAR SUBBASE	TON	5905.0	-	5905	\$23.00	\$135,815.00
78	TEMPORARY GRANULAR SURFACE CASE 2	TON	150.0	-	150	\$30.00	\$4,500.00
79	MULCH, BONDED FIBER MATRIX	ACRE	2.0	-	2	\$4,500.00	\$9,000.00
80	SEED AND FERTILIZE (URBAN)	ACRE	2.0	-	2	\$4,000.00	\$8,000.00
81	HYDRAULIC SEEDING	ACRE	2.0	-	2	\$3,500.00	\$7,000.00
82	STABILIZED CONSTRUCTION ENTRANCE, EC-303	LF	160.0	-	160	\$58.00	\$9,280.00
83	GRATE INTAKE SEDIMENT FILTER BAG	EACH	48.0	-	48	\$200.00	\$9,600.00
84	MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	132.0	-	132	\$40.00	\$5,280.00
85	REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	48.0	-	48	\$40.00	\$1,920.00
86	MOBILIZATION, EROSION CONTROL	EACH	10.0	-	10	\$500.00	\$5,000.00
Subtotals:			\$1,780,428.00	\$348,528.00			

OPINION OF PROBABLE CONSTRUCTION COST: \$2,128,956.00



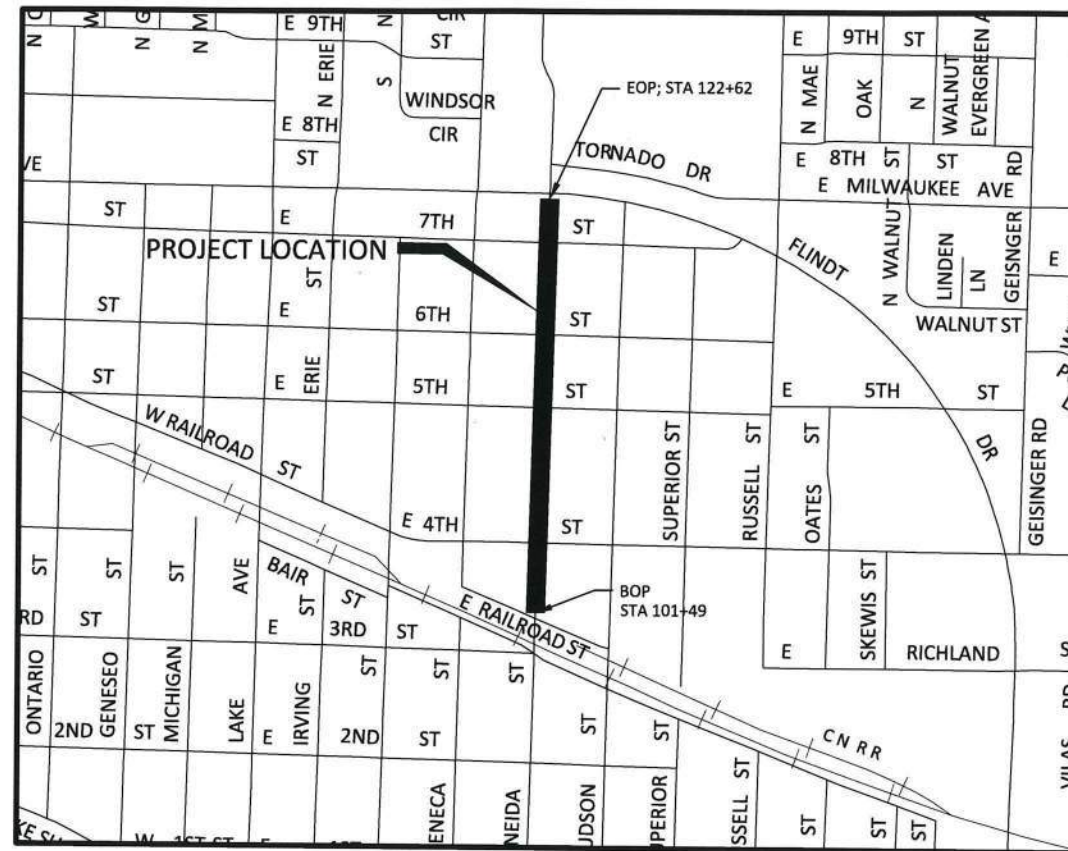
CITY OF STORM LAKE, IA

URBAN ROAD SYSTEM

ON ONEIDA STREET, FROM MILWAUKEE AVENUE SOUTH 0.42 MILES TO EAST RAILROAD STREET

PCC PAVEMENT - REPLACE

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C DE 100 1D	PROJECT DESCRIPTION	C.06
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C DE 100 24	PCC PAVEMENT	C.06
C DE 100 37	GRATE INTAKE SEDIMENT FILTER BAG	C.07
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MAP OF PORTIONS OF THE
CITY OF STORM LAKE
BUENA VISTA COUNTY, IA
NOT TO SCALE

RESOURCE LIST

CITY OF STORM LAKE

City Hall
620 Erie Street
P.O. Box 1086
Storm Lake, IA 50588

City Manager:
Keri Navratil
Assistant City Manager:
David Derragon

Mayor: Mike Porsch

City Council Members:
Dan Smith
Jose Ibarra
Kevin McKinney
Maria Ramos
Tyson Rice

Infrastructure Engineer:
Josh Pope P.E.
Bolton & Menk, Inc.
218 11th Street SW Plaza
712-580-5075

Public Services Supervisor:
Scott Bonebrake

UTILITIES

GAS
Alliant Energy
Storm Lake, IA 50588
1-800-822-4348

TELEPHONE/CABLE
Long Lines
118 E. 5th St.
Storm Lake, IA 50588
712-213-7425

Mediacom
720 Lake Ave.
Storm Lake, IA 50588
855-633-4226

Century Link
426 Lake Ave.
Storm Lake, IA 50588
1-800-261-1691

LOCAL
City of Storm Lake
433 Vilas Rd.
Storm Lake, IA 50588
712-732-8029

ELECTRIC
Mid American
1016 Vestal Street
Storm Lake, IA 50588
888-427-5632

MILEAGE SUMMARY

		105-1	
		09-27-94	
Div.	Location	Lin. Ft.	Miles
1	URBAN: STA. 101+49 TO STA. 122+62	2113	0.40

04-30-02

101-7

DESIGN DATA ONEIDA STREET

2015 AADT	1940	V.P.D.
2040 AADT	3493	V.P.D.
2040 D.H.V.		V.P.H.
TRUCKS	2	%
TOTAL		
DESIGN ESALS		

INDEX OF SHEETS	
SHEET NUMBER	SHEET TITLE
A.01 - A.02	TITLE SHEET & LEGEND
B.01 - B.04	TYPICAL SECTION / DETAILS
C.01 - C.03	QUANTITIES
C.04 - C.10	TABLES
C.11 - C.13	SWPPP / EROSION CONTROL PLAN
D.01 - D.04	ONEIDA STREET PLAN & PROFILE
G.01 - G.02	EXISTING CONDITIONS
G.03 - G.04	SURVEY CONTROL POINTS
J.01 - J.06	TRAFFIC CONTROL
L.01 - L.05	INTERSECTION DETAILS
M.01 - M.04	STORM SEWER PLAN & PROFILE
MWM.01 - MWM.05	WATER AND SANITARY PLAN & PROFILE
N.01 - N.02	SIGNING PLAN
R.01 - R.02	REMOVALS
S.01 - S.07	SIDEWALK
W.01 - W.09	ONEIDA CROSS SECTIONS

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 PLAN WHICH IS A PART OF THESE CONTRACT DOCUMENTS. REFER TO SECTION 2602 OF THE STANDARD SPECIFICATIONS FOR ADDITIONAL INFORMATION.

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.15 of the Specifications.

REVIEWED & APPROVED *Scott S. Bonebrake* DATE: 10/19/2020
Public Services Supervisor

	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.	
	JOSHUA A. POPE, P.E.	
	LIC. NO. 23600	DATE: 10/19/2020
	MY LICENSE RENEWAL DATE IS DECEMBER 31, 2021	
PAGES OR SHEETS COVERED BY THIS SEAL:		
ALL SHEETS		

EXISTING TOPOGRAPHIC SYMBOLS

	ACCESS GRATE		REGULATION STATION GAS
	AIR CONDITION UNIT		SATELLITE DISH
	ANTENNA		SIGN TRAFFIC
	AUTO SPRINKLER CONNECTION		SIGNAL CONTROL CABINET
	BARRICADE PERMANENT		SOIL BORING
	BASKETBALL POST		SIREN
	BENCH		TELEPHONE BOOTH
	BIRD FEEDER		TILE INLET
	BOLLARD		TILE OUTLET
	BUSH		TILE RISER
	CATCH BASIN RECTANGULAR CASTING		TRANSFORMER-ELECTRIC
	CATCH BASIN CIRCULAR CASTING		TREE-CONIFEROUS
	CURB STOP		TREE-DEAD
	CLEAN OUT		TREE-DECIDUOUS
	CULVERT END		TREE STUMP
	DRINKING FOUNTAIN		TRAFFIC ARM BARRIER
	DOWN SPOUT		TRAFFIC SIGNAL
	FILL PIPE		TRASH CAN
	FIRE HYDRANT		UTILITY MARKER
	FLAG POLE		VALVE
	FLARED END / APRON		VALVE POST INDICATOR
	FUEL PUMP		VALVE VAULT
	GRILL		VENT PIPE
	GUY WIRE ANCHOR		WATER SPIGOT
	HANDHOLE		WELL
	HANDICAP SPACE		WETLAND DELINEATED MARKER
	IRRIGATION SPRINKLER HEAD		WETLAND
	IRRIGATION VALVE BOX		WET WELL
	LIFT STATION CONTROL PANEL		YARD HYDRANT
	LIFT STATION		
	LIGHT ON POLE		
	LIGHT-GROUND		
	MAILBOX		
	MANHOLE-COMMUNICATION		
	MANHOLE-ELECTRIC		
	MANHOLE-GAS		
	MANHOLE-HEAT		
	MANHOLE-SANITARY SEWER		
	MANHOLE-STORM SEWER		
	MANHOLE-UTILITY		
	MANHOLE-WATER		
	METER		
	ORDER MICROPHONE		
	PARKING METER		
	PAVEMENT MARKING		
	PEDESTAL-COMMUNICATION		
	PEDESTAL-ELECTRIC		
	PEDESTRIAN PUSH BUTTON		
	PICNIC TABLE		
	POLE-UTILITY		
	POST		
	RAILROAD SIGNAL POLE		

PROPOSED TOPOGRAPHIC SYMBOLS

	CLEANOUT
	MANHOLE
	LIFT STATION
	STORM SEWER CIRCULAR CASTING
	STORM SEWER RECTANGULAR CASTING
	STORM SEWER FLARED END / APRON
	STORM SEWER OUTLET STRUCTURE
	STORM SEWER OVERFLOW STRUCTURE
	CURB BOX
	FIRE HYDRANT
	WATER VALVE
	WATER REDUCER
	WATER TEE
	WATER CROSS
	WATER SLEEVE
	WATER CAP / PLUG
	RIP RAP
	DRAINAGE FLOW
	TRAFFIC SIGNS

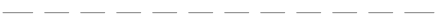
SURVEY SYMBOLS

	BENCH MARK LOCATION
	CONTROL POINT
	MONUMENT IRON FOUND
	CAST IRON MONUMENT

EXISTING TOPOGRAPHIC LINES

	RETAINING WALL
	FENCE
	FENCE-DECORATIVE
	GUARD RAIL
	TREE LINE
	BUSH LINE

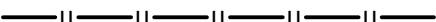
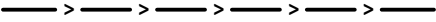
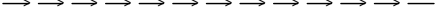
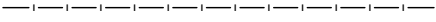
SURVEY LINES

	CONTROLLED ACCESS BOUNDARY
	CENTERLINE
	EXISTING EASEMENT LINE
	PROPOSED EASEMENT LINE
	EXISTING LOT LINE
	PROPOSED LOT LINE
	EXISTING RIGHT-OF-WAY
	PROPOSED RIGHT-OF-WAY

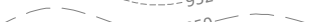
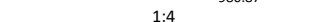
EXISTING UTILITY LINES

	FORCEMAIN
	SANITARY SEWER
	SANITARY SERVICE
	STORM SEWER
	STORM SEWER DRAIN TILE
	WATERMAIN
	WATER SERVICE

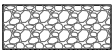
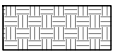
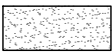
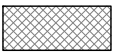
PROPOSED UTILITY LINES

	FORCEMAIN
	SANITARY SEWER
	SANITARY SERVICE
	STORM SEWER
	STORM SEWER DRAIN TILE
	WATERMAIN
	WATER SERVICE

GRADING INFORMATION

	EXISTING CONTOUR MINOR
	EXISTING CONTOUR MAJOR
	PROPOSED CONTOUR MINOR
	PROPOSED CONTOUR MAJOR
	PROPOSED GRADING LIMITS / SLOPE LIMITS
	PROPOSED SPOT ELEVATION
	RISE:RUN (SLOPE)

HATCH PATTERNS

	ASPHALT		GRAVEL
	CONCRETE		LEAN CLAY
	LEAN CLAY WITH SAND		CLAYEY SAND
	FILL		

EXISTING PRIVATE UTILITY LINES

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, 1-800-292-8989.

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"

	UNDERGROUND FIBER OPTIC
	UNDERGROUND ELECTRIC
	UNDERGROUND GAS
	UNDERGROUND COMMUNICATION
	OVERHEAD ELECTRIC
	OVERHEAD COMMUNICATION
	OVERHEAD UTILITY

UTILITIES IDENTIFIED WITH A QUALITY LEVEL :

LINE TYPES FOLLOW THE FORMAT: UTILITY TYPE - QUALITY LEVEL
EXAMPLE:  UNDERGROUND GAS, QUALITY LEVEL A
UTILITY QUALITY LEVEL (A,B,C,D) DEFINITIONS CAN BE FOUND IN CI/ASCE 38-02.

UTILITY QUALITY LEVELS:

QUALITY LEVEL D: PROVIDES THE MOST BASIC LEVEL OF INFORMATION. IT INVOLVES COLLECTING DATA FROM EXISTING UTILITY RECORDS. RECORDS MAY INCLUDE AS-BUILT DRAWINGS, DISTRIBUTION AND SERVICES MAPS, EXISTING GEOGRAPHIC INFORMATION SYSTEM DATABASES, CONSTRUCTION PLANS, ETC.

QUALITY LEVEL C: INVOLVES SURVEYING VISIBLE SUBSURFACE UTILITY STRUCTURES SUCH AS MANHOLES, HAND-HOLES, UTILITY VALVES AND METERS, FIRE HYDRANTS, PEDESTALS AND UTILITY MARKERS, AND THEN CORRELATING THE INFORMATION WITH EXISTING UTILITY RECORDS TO CREATE COMPOSITE DRAWINGS. INCLUDES QUALITY LEVEL D ACTIVITIES.

QUALITY LEVEL B: INVOLVES DESIGNATING THE HORIZONTAL POSITION OF SUBSURFACE UTILITIES THROUGH SURFACE DETECTION METHODS AND COLLECTING THE INFORMATION THROUGH A SURVEY METHOD. INCLUDES QUALITY LEVEL C AND D TASKS.

QUALITY LEVEL A: PROVIDES THE HIGHEST LEVEL OF ACCURACY. IT INVOLVES LOCATING OR POTHOLING UTILITIES AS WELL AS ACTIVITIES IN QUALITY LEVELS B, C, AND D. THE LOCATED FACILITY INFORMATION IS SURVEYED AND MAPPED AND THE DATA PROVIDES PRECISE PLAN AND PROFILE INFORMATION.

ABBREVIATIONS

A	ALGEBRAIC DIFFERENCE	GRAV	GRAVEL	RT	RIGHT
ADJ	ADJUST	GU	GUTTER	SAN	SANITARY SEWER
ALT	ALTERNATE	GV	GATE VALVE	SCH	SCHEDULE
B-B	BACK TO BACK	HDPE	HIGH DENSITY POLYETHYLENE	SERV	SERVICE
BIT	BITUMINOUS	HH	HANDHOLE	SHLD	SHOULDER
BLDG	BUILDING	HP	HIGH POINT	STA	STATION
BMP	BEST MANAGEMENT PRACTICE	HWL	HIGH WATER LEVEL	STD	STANDARD
BR	BEGIN RADIUS	HYD	HYDRANT	STM	STORM SEWER
BV	BUTTERFLY VALVE	I	INVERT	TC	TOP OF CURB
CB	CATCH BASIN	K	CURVE COEFFICIENT	TE	TEMPORARY EASEMENT
C&G	CURB AND GUTTER	L	LENGTH	TEMP	TEMPORARY
CIP	CAST IRON PIPE	LO	LOWEST OPENING	TNH	TOP NUT HYDRANT
CIPP	CURED-IN-PLACE PIPE	LP	LOW POINT	TP	TOP OF PIPE
CL	CENTER LINE	LT	LEFT	TYP	TYPICAL
CL	CLASS	MH	MANHOLE	VCP	VITRIFIED CLAY PIPE
CLVT	CULVERT	MIN	MINIMUM	VERT	VERTICAL
CMP	CORRUGATED METAL PIPE	MR	MID RADIUS	VPC	VERTICAL POINT OF CURVE
C.O.	CHANGE ORDER	NIC	NOT IN CONTRACT	VPI	VERTICAL POINT OF INTERSECTION
COMM	COMMUNICATION	NMC	NON-METALLIC CONDUIT	VPT	VERTICAL POINT OF TANGENT
CON	CONCRETE	NTS	NOT TO SCALE	WM	WATERMAIN
CSP	CORRUGATED STEEL PIPE	NWL	NORMAL WATER LEVEL		
DIA	DIAMETER	OHW	ORDINARY HIGH WATER LEVEL		
DIP	DUCTILE IRON PIPE	PC	POINT OF CURVE	AC	ACRES
DWY	DRIVEWAY	PCC	POINT OF COMPOUND CURVE	CF	CUBIC FEET
E	EXTERNAL CURVE DISTANCE	PE	PERMANENT EASEMENT	CV	COMPACTED VOLUME
ELEC	ELECTRIC	PED	PEDESTRIAN, PEDESTAL	CY	CUBIC YARD
ELEV	ELEVATION	PERF	PERFORATED PIPE	EA	EACH
EOF	EMERGENCY OVERFLOW	PERM	PERMANENT	EV	EXCAVATED VOLUME
ER	END RADIUS	PI	POINT OF INTERSECTION	LB	POUND
ESMT	EASEMENT	PL	PROPERTY LINE	LF	LINEAR FEET
EX	EXISTING	PRC	POINT OF REVERSE CURVE	LS	LUMP SUM
FES	FLARED END SECTION	PT	POINT OF TANGENT	LV	LOOSE VOLUME
F-F	FACE TO FACE	PVC	POLYVINYL CHLORIDE PIPE	SF	SQUARE FEET
FF	FINISHED FLOOR	PVMT	PAVEMENT	SV	STOCKPILE VOLUME
F&I	FURNISH AND INSTALL	R	RADIUS	SY	SQUARE YARD
FM	FORCEMAIN	R/W	RIGHT-OF-WAY		
FO	FIBER OPTIC	RCP	REINFORCED CONCRETE PIPE		
F.O.	FIELD ORDER	RET	RETAINING		
GRAN	GRANULAR	RSC	RIGID STEEL CONDUIT		

GENERAL NOTES:

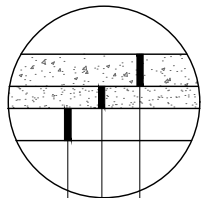
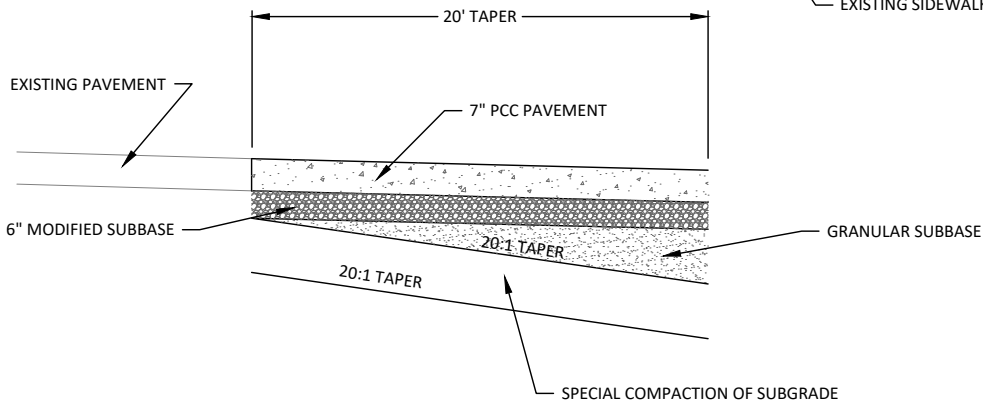
PAVEMENT SLOPES AT INTERSECTIONS LOCATIONS VARY FROM THOSE SHOWN ON THE TYPICAL SECTION

ANY VARIATIONS FROM THE TYPICAL SECTION DIMENSIONS ARE SHOWN ON THE PLAN DRAWINGS

GRADE ALL TOPSOIL MATERIAL TO 1" DEPTH BELOW CONCRETE SURFACES PRIOR TO PLACING SOD

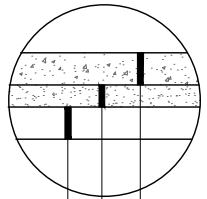
CONSTRUCTION NOTES:

- ① GRADING ABOVE THIS LINE IS INCLUDED IN EXCAVATION, CLASS 13. GRADING BELOW THIS LINE IS CONSIDERED SUBGRADE EXCAVATION, SEE ESTIMATE REFERENCE NOTES.



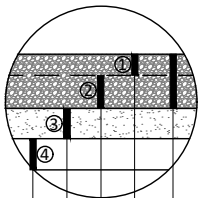
- 5" PCC (6" AT DRIVEWAYS AND PED RAMPS)
3" MODIFIED SUBBASE
6" SPECIAL COMPACTION OF SUBGRADE

5" AND 6" CONCRETE SIDEWALK
NOT TO SCALE



- 6" PCC
3" MODIFIED SUBBASE
6" SPECIAL COMPACTION OF SUBGRADE

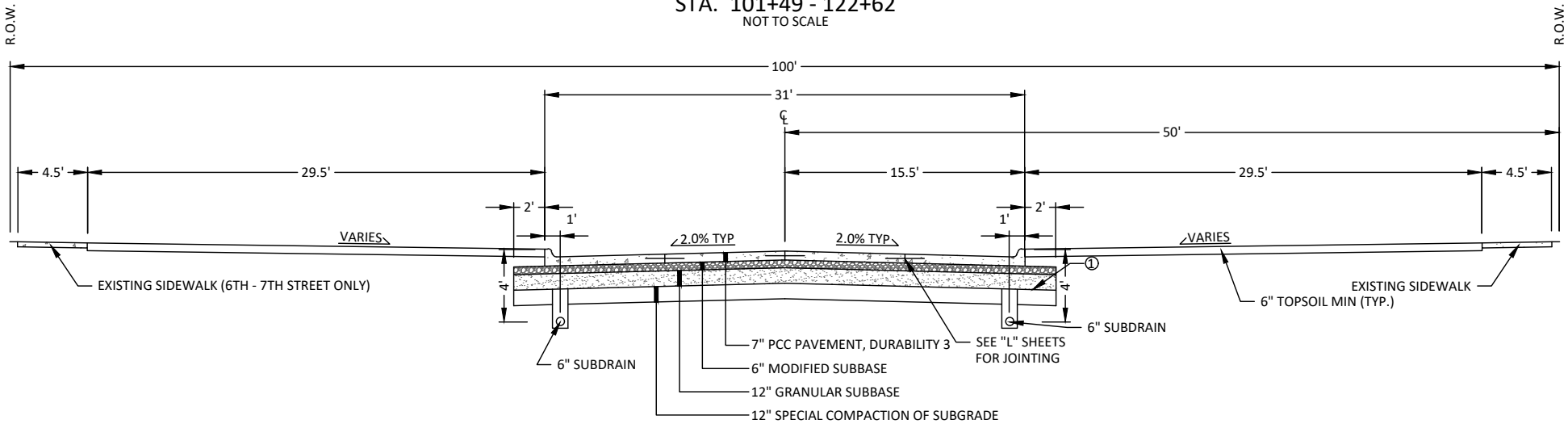
CONCRETE DRIVEWAY & PARKING LOT
NOT TO SCALE



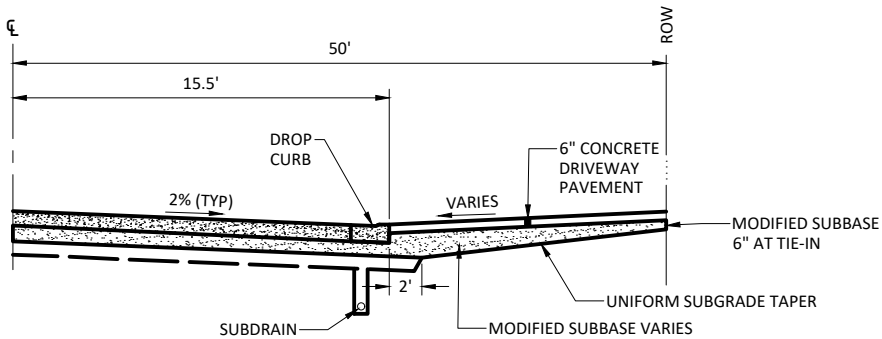
- 10" SUBBASE
4" SUBBASE PAID AS TEMPORARY GRANULAR SURFACE, CASE 2
6" SUBBASE PAID AS SUBBASE, MODIFIED, 6"
12" GRANULAR SUBBASE
12" COMPACTED SUBBASE
- IF ITEM 4 IS INSTALLED AND APPROVED BY THE ENGINEER, LAYER 1 SHALL BE INSTALLED AT 10" AND PAID AS TEMPORARY GRANULAR SURFACE, CASE 2
 - IF ITEMS 3 AND 4 ARE INSTALLED AND APPROVED BY THE ENGINEER, LAYER 1 SHALL BE INSTALLED AT 10" AND PAID AS TEMPORARY GRANULAR SURFACE, CASE 2
 - IF ITEMS 2, 3, AND 4 ARE INSTALLED AND APPROVED BY THE ENGINEER, LAYER 1 SHALL BE INSTALLED AT 4" AND PAID AS TEMPORARY GRANULAR SURFACE, CASE 2

TEMPORARY GRANULAR SURFACE, CASE 2
NOT TO SCALE

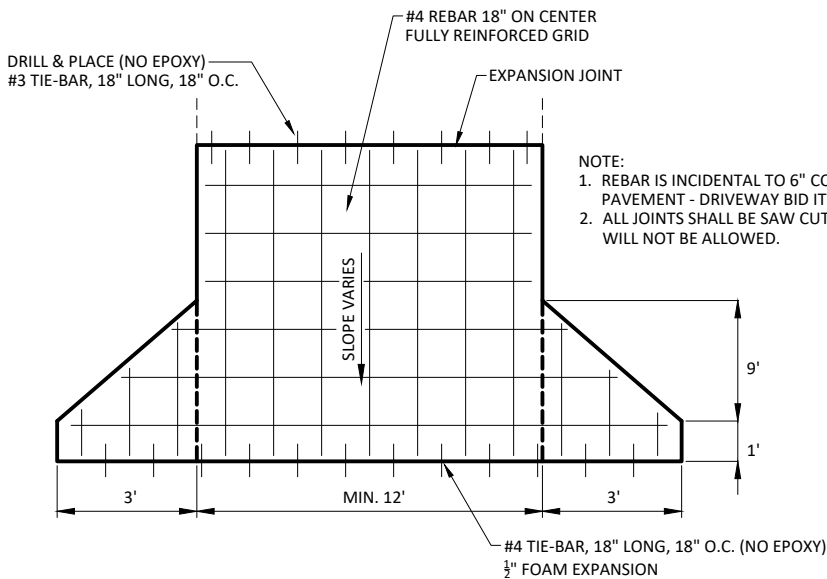
TYPICAL SECTION
STA. 101+49 - 122+62
NOT TO SCALE



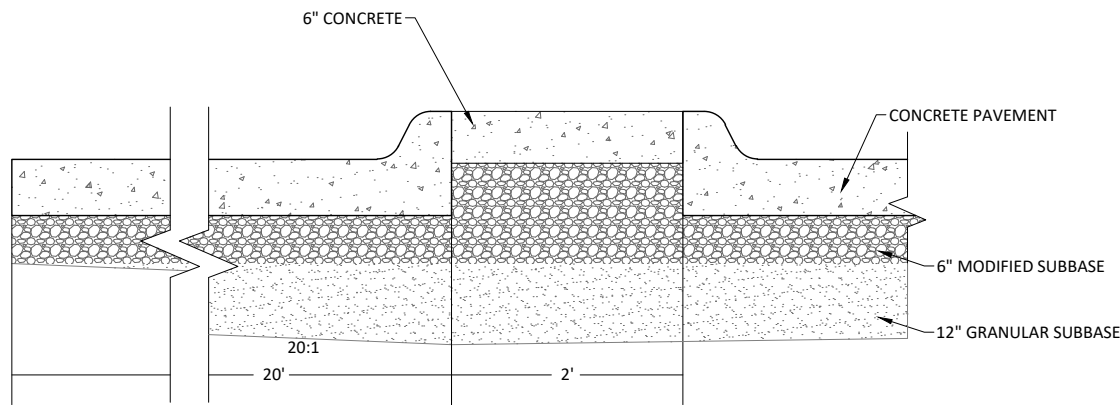
- NOTES:
1. SEE W SHEETS FOR VARIATIONS TO STANDARD CROSS SLOPE



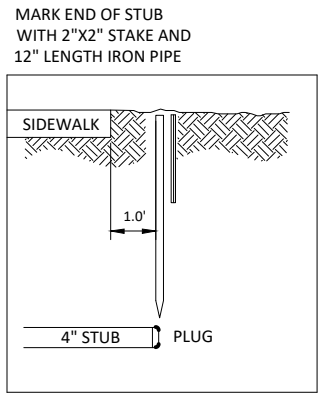
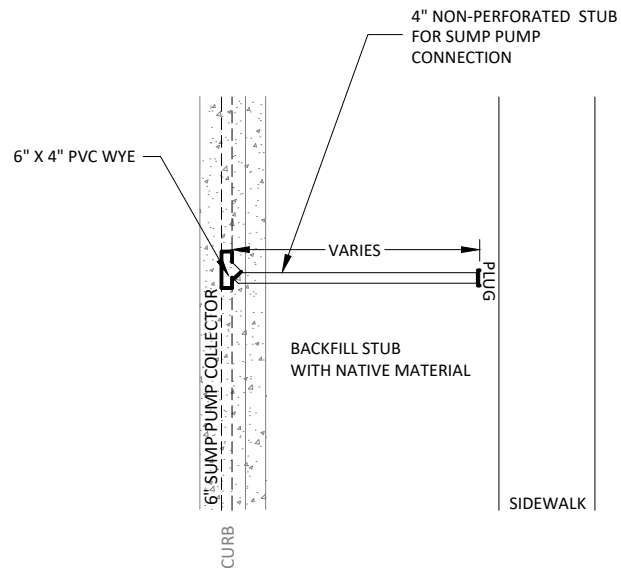
CONCRETE DRIVEWAY SECTION



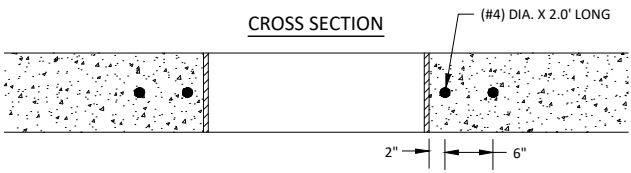
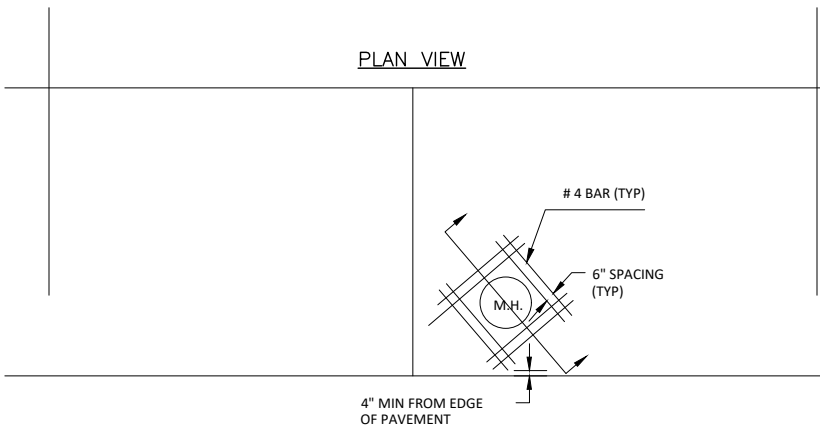
CONCRETE DRIVEWAY DETAIL
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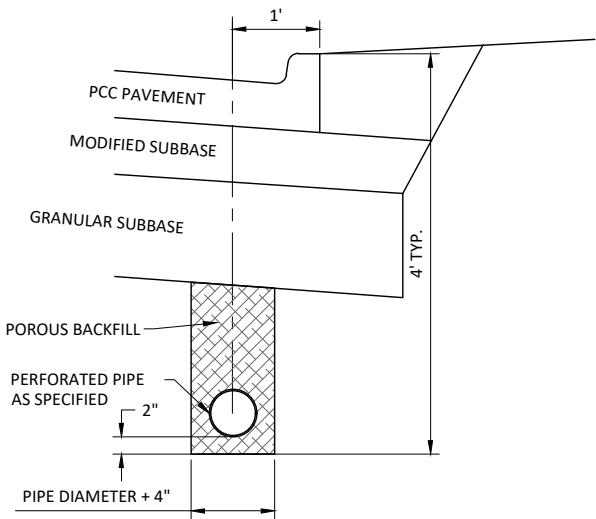
PARKING LOT CURB
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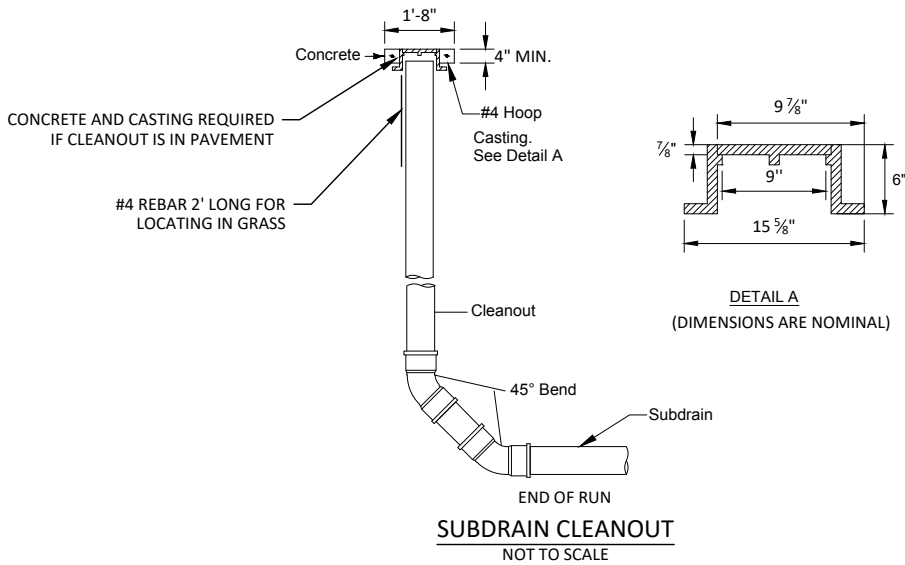
SUMP PUMP COLLECTION
NOT TO SCALE



**MANHOLE WITHOUT
JOINT INTERSECTION**
NOT TO SCALE

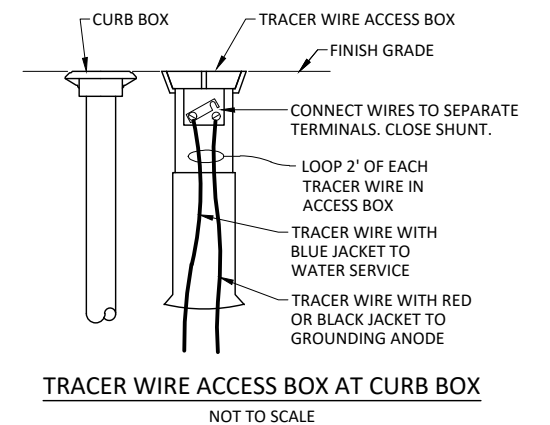


**SUBSURFACE ROADWAY EDGE DRAIN
TYPE 7A INSTALLATION**
NOT TO SCALE



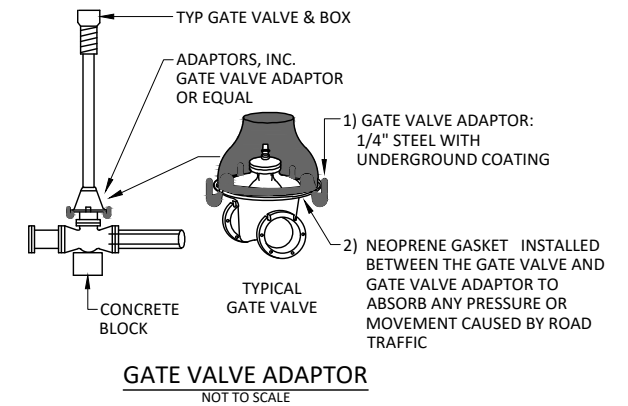
SUBDRAIN CLEANOUT
NOT TO SCALE

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-
- Diagram illustrating the Gate Valve Box Installation. The components and dimensions are labeled as follows:
- VALVE BOX SETTING TO BE 1/16" - 1/8" BELOW THE CONCRETE SURFACE AND AT GRADE IN TURF
 - VALVE BOX TO BE SET TO HAVE 6" ADJUSTMENT UP AND DOWN FROM FINISH GRADE
 - VALVE BOX & COVER AS SPECIFIED
 - BOTTOM SECTION
 - BONNETT SHALL BE PLACED HALFWAY BETWEEN TOP OF FLANGE AND BOLTS
 - REQUIRED GATE VALVE ADAPTER
 - WATERMAIN
 - GATE VALVE
 - 5.5' MIN COVER
- GATE VALVE BOX INSTALLATION**
- NOT TO SCALE



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ESTIMATED PROJECT QUANTITIES						
ITEM NO.	ITEM CODE	ITEM	UNIT	PARTICIPATING	NON-PARTICIPATING	TOTAL
1	2101-0850002	CLEARING AND GRUBBING	UNIT	160.0	-	160
2	2102-2713070	EXCAVATION, CLASS 13, ROADWAY AND BORROW	CY	6483.0	-	6483
3	2105-8425005	TOPSOIL, FURNISH AND SPREAD	CY	1236.0	-	1236
4	2109-8225100	SPECIAL COMPACTION OF SUBGRADE	STA	21.0	-	21
5	2115-0100000	MODIFIED SUBBASE	CY	1843.0	-	1843
6	2123-7450020	SHOULDER FINISHING, EARTH	STA	30.0	-	30
7	2213-7100400	RELOCATION OF MAIL BOXES	EACH	1.0	-	1
8	2301-1013070	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS A, CLASS 3 DURABILITY, 7"	SY	8481.0	-	8481
9	2315-8275025	SURFACING, DRIVEWAY, CLASS A CRUSHED STONE	TON	21.0	-	21
10	2435-0130148	MANHOLE, SANITARY SEWER, SW-301, 48"	EACH	-	1.0	1
11	2435-0140148	MANHOLE, STORM SEWER, SW-401, 48"	EACH	1.0	-	1
12	2435-0140160	MANHOLE, STORM SEWER, SW-401, 60"	EACH	3.0	-	3
13	2435-0140172	MANHOLE, STORM SEWER, SW-401, 72"	EACH	1.0	-	1
14	2435-0140184	MANHOLE, STORM SEWER, SW-401, 84"	EACH	1.0	-	1
15	2435-0140210	MANHOLE, STORM SEWER, SW-402 MODIFIED	EACH	1.0	-	1
16	2435-0250100	INTAKE, SW-501	EACH	10.0	-	10
17	2435-0250248	INTAKE, SW-502, 48"	EACH	3.0	-	3
18	2435-0250260	INTAKE, SW-502, 60"	EACH	3.0	-	3
19	2435-0250500	INTAKE, SW-505	EACH	4.0	-	4
20	2502-8212036	SUBDRAIN, LONGITUDINAL, (SHOULDER) 6"	LF	3984.0	-	3984
21	2502-8221006	SUBDRAIN RISER, 6", AS PER PLAN	EACH	21.0	-	21
22	2502-8221303	SUBDRAIN OUTLET, DR-303	EACH	37.0	-	37
23	2503-0114224	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 24"	LF	16.0	-	16
24	2503-0114230	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 30"	LF	22.0	-	22
25	2503-0114236	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 36"	LF	50.0	-	50
26	2503-0114612	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 3750D, 12"	LF	8.0	-	8
27	2503-0114615	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 3750D, 15"	LF	943.0	-	943
28	2503-0114618	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 3750D, 18"	LF	83.0	-	83
29	2503-0116324	STORM SEWER GRAVITY MAIN, TRENCHED, 2000D LOW CLEARANCE CONCRETE PIPE, EQUIVALENT DIAMETER 24 IN	LF	753.0	-	753
30	2503-0116330	STORM SEWER GRAVITY MAIN, TRENCHED, 2000D LOW CLEARANCE CONCRETE PIPE, EQUIVALENT DIAMETER 30 IN	LF	359.0	-	359
31	2503-0200036	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36"	LF	2155.0	-	2155
32	2504-0114008	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 8"	LF	-	66.0	66
33	2504-0200404	SANITARY SEWER SERVICE STUB, PVC, 4"	LF	-	57.0	57
34	2504-0200406	SANITARY SEWER SERVICE STUB, PVC, 6"	LF	-	46.0	46
35	2504-0240036	REMOVE SANITARY SEWER PIPE LESS THAN OR EQUAL TO 36"	LF	-	66.0	66
36	2510-6745850	REMOVAL OF PAVEMENT	SY	9393.0	-	9393
37	2510-6750600	REMOVAL OF INTAKE AND UTILITY ACCESS	EACH	19.0	-	19
38	2511-6745900	REMOVAL OF SIDEWALK	SY	429.0	-	429
39	2511-7526005	SIDEWALK, PCC, 5"	SY	117.0	-	117
40	2511-7526006	SIDEWALK, PCC, 6"	SY	298.0	-	298
41	2511-7528101	DETECTABLE WARNING	SF	216.0	-	216
42	2515-2475006	DRIVEWAY, PCC, 6"	SY	2925.0	-	2925

ESTIMATED PROJECT QUANTITIES						
ITEM NO.	ITEM CODE	ITEM	UNIT	PARTICIPATING	NON-PARTICIPATING	TOTAL
43	2515-6745600	REMOVAL OF PAVED DRIVEWAY	SY	2255.0	-	2255
44	2518-6910000	SAFETY CLOSURE	EACH	14.0	-	14
45	2524-6765010	REMOVE AND REINSTALL SIGN	EACH	17.0	-	17
46	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT	STA	5.57	-	5.57
47	2527-9263137	PAINTED SYMBOL AND LEGEND, WATERBORNE OR SOLVENT	EACH	2.0	-	2
48	2528-8445110	TRAFFIC CONTROL	LS	0.8	0.2	1
49	2533-4980005	MOBILIZATION	LS	0.8	0.2	1
50	2552-0000210	TRENCH FOUNDATION	TON	50.0	150.0	200
51	2554-0114006	WATER MAIN, TRENCHED, PVC, 6"	LF	-	2066.0	2066
52	2554-0203000	FITTINGS BY WEIGHT, DUCTILE IRON	LB	-	745.0	745
53	2554-0205000	WATER SERVICE STUB, POLYETHYLENE, 1"	LF	-	199.0	199
54	2554-0205600	WATER SERVICE CURB STOP & BOX	EACH	-	12.0	12
55	2554-0207004	VALVE, GATE, DIP, 4"	EACH	-	4.0	4
56	2554-0207006	VALVE, GATE, DIP, 6"	EACH	-	12.0	12
57	2554-0210201	FIRE HYDRANT ASSEMBLY, WM-201	EACH	-	5.0	5
58	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIALS	LS	1.0	-	1
59	2599-9999005	CONNECT TO EXISTING SANITARY SEWER	EACH	-	4.0	4
60	2599-9999005	CONNECT TO EXISTING STORM SEWER	EACH	1.0	-	1
61	2599-9999005	CONNECT TO EXISTING WATER MAIN	EACH	-	9.0	9
62	2599-9999005	SALVAGE FIRE HYDRANT	EACH	-	4.0	4
63	2599-9999005	SANITARY SEWER SERVICE REPAIR	EACH	-	5.0	5
64	2599-9999005	TILE REPAIR	EACH	5.0	-	5
65	2599-9999005	YARD HYDRANT	EACH	-	1.0	1
66	2599-9999007	EXPLORATORY EXCAVATION	HOURL	16.0	3.0	19
67	2599-9999007	SWEEPING	HOURL	49.0	-	49
68	2599-9999009	4" SUBDRAIN STUB	LF	120.0	-	120
69	2599-9999009	WATERMAIN REMOVAL OR ABANDONMENT	LF	-	1918.0	1918
70	2599-9999010	GARBAGE SERVICE MAINTENANCE	LS	1.0	-	1
71	2599-9999010	TEMPORARY MAIL SERVICE MAINTENANCE	LS	1.0	-	1
72	2599-9999010	TEMPORARY WATER	LS	-	1.0	1
73	2599-9999012	DUST CONTROL	MGAL	500.0	-	500
74	2599-9999018	POLYSTYRENE INSULATION, 4"	SY	-	25.0	25
75	2599-9999018	TEMPORARY GRANULAR SURFACE CASE 1	SY	1615.0	-	1615
76	2599-9999018	TEMPORARY ROLLED EROSION CONTROL PRODUCTS (RECP), TYPE 1B	SY	9600.0	-	9600
77	2599-9999020	GRANULAR SUBBASE	TON	5905.0	-	5905
78	2599-9999020	TEMPORARY GRANULAR SURFACE CASE 2	TON	150.0	-	150
79	2601-2634105	MULCH, BONDED FIBER MATRIX	ACRE	2.0	-	2
80	2601-2636044	SEED AND FERTILIZE (URBAN)	ACRE	2.0	-	2
81	2601-2636070	HYDRAULIC SEEDING	ACRE	2.0	-	2
82	2602-0000150	STABILIZED CONSTRUCTION ENTRANCE, EC-303	LF	160.0	-	160
83	2602-0000530	GRATE INTAKE SEDIMENT FILTER BAG	EACH	48.0	-	48
84	2602-0000540	MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	132.0	-	132
85	2602-0000550	REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	48.0	-	48
86	2602-0010010	MOBILIZATION, EROSION CONTROL	EACH	10.0	-	10

CONSTRUCTION SURVEY TO BE PERFORMED
BY THE CONTRACTING AUTHORITY.

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ESTIMATE REFERENCE INFORMATION		
ITEM NO.	ITEM CODE	DESCRIPTION
1	2101-0850002	<u>CLEARING AND GRUBBING</u> CLEARING HAS BEEN COMPLETED PRIOR TO THIS PROJECT. ALL STUMPS WILL BE LEFT ABOVE GROUND LEVEL FOR GRUBBING. CONTRACTOR SHALL PRESERVE ALL TREES NOT MARKED FOR REMOVAL. ALL MATERIALS TO BE REMOVED FROM SITE. STUMP GRINDING MAY BE REQUIRED TO GRUB STUMPS NEAR EXISTING UTILITIES. SEE TABULATION ON SHEET C.05.
2	2102-2713070	<u>EXCAVATION, CLASS 13, ROADWAY AND BORROW</u> ALL EXCESS MATERIAL TO BECOME THE PROPERTY OF THE CONTRACTOR AND HAULED OFFSITE. CUT OF 9483 CY AND A FILL OF 120 CY WITH A 1.3% FILL FACTOR, ASSUMED HAUL OFF OF 6363 CY.
3	2105-8425005	<u>TOPSOIL, FURNISH AND SPREAD</u> SPREAD TOPSOIL TO A MINIMUM OF 6" WHEREEVER SEEDING IS TO BE PLACED ACCORDING TO THE PLAN.
4	2109-8225100	<u>SPECIAL COMPACTION OF SUBGRADE</u> CONTRACTOR SHALL PERFORM TO A DEPTH OF 12" FOR THE ROADWAY AND 6" DEPTH FOR THE DRIVEWAYS.
5	2115-0100000	<u>MODIFIED SUBBASE</u> SEE TABULATIONS ON SHEETS C.06 AND C.10.
6	2123-7450020	<u>SHOULDER FINISHING, EARTH</u> EARTH SHOULDERING IS LIMITED TO BACK OF CURB TO 2' BEYOND BACK OF CURB. TOPSOIL DEPTH SHALL BE 6" MINIMUM.
7	2213-7100400	<u>RELOCATION OF MAIL BOXES</u> CONTRACTOR SHALL REMOVE AND SALVAGE EXISTING MAILBOX AND REINSTALL EXISTING MAILBOX UPON PROJECT COMPLETION. REINSTALLED MAILBOX TO BE LOCATED AT EXISTING HORIZONTAL LOCATION AND IN CONFORMANCE WITH THE USPS STANDARDS. ITEM WILL BE PAID 0.5 OF THE TOTAL ITEM COST UPON INSTALLATION OF THE TEMPORARY MAILBOX AND THE TOTAL BID PRICE UPON REINSTALLATION OF THE EXISTING MAILBOX AND REMOVAL OF THE TEMPORARY MAILBOX.
8	2301-1013070	<u>STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS A, CLASS 3 DURABILITY, 7"</u> PAVEMENT SMOOTHNESS INCENTIVES AND DISINCENTIVES SHALL NOT APPLY, TESTING OF SMOOTHNESS SHALL BE COMPLETED AS FOLLOWS: THE ENGINEER WILL CHECK PCC PAVEMENT SURFACES WITH A 10 FOOT STRAIGHTEDGE PLACED PARALLEL TO THE CENTERLINE. AREAS SHOWING HIGH SPOTS OF MORE THAN 1/4 OF AN INCH IN 10 FEET WILL BE MARKED. COMPLETE SURFACE CORRECTIONS ACCORDING TO THE PROCEDURES IN IOWA DOT SECTION 2316 TO AN ELEVATION WHERE THE AREA OR SPOT WILL NOT SHOW SURFACE DEVIATIONS IN EXCESS OF 1/8 INCH WHEN TESTED WITH A 10 FOOT STRAIGHTEDGE. SURFACE CORRECTIONS WILL BE COMPLETED AT THE DIRECTION OF THE ENGINEER WITH NO ADDITIONAL COST TO THE CONTRACTING AUTHORITY. CERTIFIED PLANT INSPECTION WILL BE REQUIRED DURING ALL PAVING OPERATIONS. GGBFS (SLAG) IS NOT PERMITTED FOR ANY WORK ON THIS PROJECT. ITEMS SHALL INCLUDE QUANTITIES FOR INTEGRAL CURB AND GUTTER SECTION. M MIX CONCRETE SHALL BE ALLOWED AS A SUBSTITUTION FOR CLASS C CONCRETE AT NO ADDITIONAL COST TO THE OWNER. SEE TABULATION ON SHEET C.06.
9	2315-8275025	<u>SURFACING, DRIVEWAY, CLASS A CRUSHED STONE</u> ITEM SHALL BE USED TO BRING EXISTING GRAVEL DRIVEWAYS UP TO THE NEW PCC PAVEMENT. ASSUMED 3 TONS GRAVEL PER DRIVEWAY. TABULATION ON SHEET C.04.
10	2435-0130148	<u>MANHOLE, SANITARY SEWER, SW-301, 48"</u> MANHOLE SHALL INCLUDE INTEGRAL BASE SECTION. IN LIEU OF JOINT SEALANT, ALL JOINTS SHALL BE RUBBER GASKETED TONGUE AND GROOVE. ALL PIPE OPENINGS SHALL HAVE INTEGRAL CAST WATER TIGHT SEAL. EXTERIOR CHIMNEY SEAL SHALL BE FURNISHED AND INSTALLED AS PART OF THIS PAY ITEM. SEAL SHALL EXTEND FROM THE MANHOLE FRAME CASTING TO THE PRECAST MANHOLE CONE SECTION. ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION ON SHEET C.07 FOR CASTING INFORMATION.
11	2435-0140148	<u>MANHOLE, STORM SEWER, SW-401, 48"</u> ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION FOR CASTING INFORMATION. SEE TABULATION ON SHEET C.07.
12	2435-0140160	<u>MANHOLE, STORM SEWER, SW-401, 60"</u> ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION FOR CASTING INFORMATION. SEE TABULATION ON SHEET C.07.
13	2435-0140172	<u>MANHOLE, STORM SEWER, SW-401, 72"</u> ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION FOR CASTING INFORMATION. SEE TABULATION ON SHEET C.07.
14	2435-0140184	<u>MANHOLE, STORM SEWER, SW-401, 84"</u> ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION FOR CASTING INFORMATION. SEE TABULATION ON SHEET C.07.
15	2435-0140210	<u>MANHOLE, STORM SEWER, SW-402 MODIFIED</u> ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION FOR CASTING INFORMATION. SEE TABULATION ON SHEET C.07.
16	2435-0250100	<u>INTAKE, SW-501</u> ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION FOR CASTING INFORMATION. SEE TABULATION ON SHEET C.07.
17	2435-0250248	<u>INTAKE, SW-502, 48"</u> ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION FOR CASTING INFORMATION. SEE TABULATION ON SHEET C.07.
18	2435-0250260	<u>INTAKE, SW-502, 60"</u> ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION FOR CASTING INFORMATION. SEE TABULATION ON SHEET C.07.
19	2435-0250500	<u>INTAKE, SW-505</u> ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION FOR CASTING INFORMATION. SEE TABULATION ON SHEET C.07.
20	2502-8212036	<u>SUBDRAIN, LONGITUDINAL, (SHOULDER) 6"</u> PIPE MATERIAL SHALL BE 6" PERFORATED HDPE, SDR 35 PVC, OR SCHEDULE 40 PVC. POROUS BACKFILL SHALL MEET IOWA DOT GRADATION NUMBER 5. ANY CAPS CALLED OUT SHALL BE GLUE ON TYPE AND BE CONSIDERED INCIDENTAL TO THIS ITEM. SEE TABULATION ON SHEET C.08.
21	2502-8221006	<u>SUBDRAIN RISER, 6", AS PER PLAN</u> ALL MATERIALS INCLUDED WITH THE DETAIL SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. INCLUDES ALL NECESSARY POROUS BACKFILL THAT SHALL MEET IOWA DOT GRADATION NUMBER 5. ITEM SHALL BE PAID BY EACH AND UPON COMPLETION OF ALL ITEMS DESCRIBED IN THE DETAIL. SEE TABULATION ON SHEET C.08.
22	2502-8221303	<u>SUBDRAIN OUTLET, DR-303</u> PIPE MATERIAL SHALL BE 6" SOLID WALL PVC. SEE TABULATION ON SHEET C.08.
23	2503-0114224	<u>STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 24"</u> JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-361 & C-443 AND BE RUBBER O-RING. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I OR CLASS II. SEE TABULATION ON SHEET C.07.
24	2503-0114230	<u>STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 30"</u> JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-361 & C-443 AND BE RUBBER O-RING. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I OR CLASS II. SEE TABULATION ON SHEET C.07.
25	2503-0114236	<u>STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 36"</u> JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-361 & C-443 AND BE RUBBER O-RING. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I OR CLASS II. SEE TABULATION ON SHEET C.07.
26	2503-0114612	<u>STORM SEWER GRAVITY MAIN, TRENCHED, RCP 3750D, 12"</u> JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-361 & C-443 AND BE RUBBER O-RING. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I OR CLASS II. SEE TABULATION ON SHEET C.07.
27	2503-0114615	<u>STORM SEWER GRAVITY MAIN, TRENCHED, RCP 3750D, 15"</u> JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-361 & C-443 AND BE RUBBER O-RING. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I OR CLASS II. SEE TABULATION ON SHEET C.07.

ESTIMATE REFERENCE INFORMATION		
ITEM NO.	ITEM CODE	DESCRIPTION
28	2503-0114618	<u>STORM SEWER GRAVITY MAIN, TRENCHED, RCP 3750D, 18"</u> JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-361 & C-443 AND BE RUBBER O-RING. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I OR CLASS II. SEE TABULATION ON SHEET C.07.
29	2503-0116324	<u>STORM SEWER GRAVITY MAIN, TRENCHED, 2000D LOW CLEARANCE CONCRETE PIPE, EQUIVALENT DIAMETER 24 IN</u> JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-361 & C-443 AND BE RUBBER O-RING. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I OR CLASS II. SEE TABULATION ON SHEET C.07.
30	2503-0116330	<u>STORM SEWER GRAVITY MAIN, TRENCHED, 2000D LOW CLEARANCE CONCRETE PIPE, EQUIVALENT DIAMETER 30 IN</u> JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-361 & C-443 AND BE RUBBER O-RING. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I OR CLASS II. SEE TABULATION ON SHEET C.07.
31	2503-0200036	<u>REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36"</u> ANY PIPES TO REMAIN IN PLACE AT THE EXTENTS OF THE PROJECT AND NOT CONNECTED TO THE STORM SEWER SYSTEM SHALL HAVE A CONCRETE PLUG. SEE TABULATION ON SHEET C.05.
32	2504-0114008	<u>SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 8"</u> CONNECTIONS TO EXISTING SHALL BE MADE USING NO SHEAR RUBBER BOOT CONNECTORS WITH STAINLESS STEEL SHEAR BANDS AND STRAPS. PIPE BEDDING SHALL CONFORM WITH IOWA DOT STANDARD PLATE SW-103, CLASS F-3. BEDDING MATERIAL TO BE CLASS I OR CLASS II OR AS SPECIFICALLY IDENTIFIED WITHIN THE CONTRACT DOCUMENTS. SEE TABULATION ON SHEET C.07.
33	2504-0200404	<u>SANITARY SEWER SERVICE STUB, PVC, 4"</u> CONNECTIONS TO EXISTING SHALL BE MADE USING NO SHEAR RUBBER BOOT CONNECTORS WITH STAINLESS STEEL SHEAR BANDS AND STRAPS. PIPE BEDDING SHALL CONFORM WITH IOWA DOT STANDARD PLATE SW-103, CLASS F-3. BEDDING MATERIAL TO BE CLASS I OR CLASS II OR AS SPECIFICALLY IDENTIFIED WITHIN THE CONTRACT DOCUMENTS. SEE TABULATION ON SHEET C.07.
34	2504-0200406	<u>SANITARY SEWER SERVICE STUB, PVC, 6"</u> CONNECTIONS TO EXISTING SHALL BE MADE USING NO SHEAR RUBBER BOOT CONNECTORS WITH STAINLESS STEEL SHEAR BANDS AND STRAPS. PIPE BEDDING SHALL CONFORM WITH IOWA DOT STANDARD PLATE SW-103, CLASS F-3. BEDDING MATERIAL TO BE CLASS I OR CLASS II OR AS SPECIFICALLY IDENTIFIED WITHIN THE CONTRACT DOCUMENTS. SEE TABULATION ON SHEET C.07.
35	2504-0240036	<u>REMOVE SANITARY SEWER PIPE LESS THAN OR EQUAL TO 36"</u> SEE TABULATION ON SHEET C.05.
36	2510-6745850	<u>REMOVAL OF PAVEMENT</u> EXISTING PAVEMENT CONSISTS OF APPROXIMATELY 6" PCC PAVEMENT WITH A 2" ACC OVERLAY. SEE TABULATION ON SHEET C.04.
37	2510-6750600	<u>REMOVAL OF INTAKE AND UTILITY ACCESS</u> ITEM SHALL BE FOR THE REMOVAL OF THE ENTIRE STRUCTURE INCLUDING THE BASE. SEE TABULATION ON SHEET C.05.
38	2511-6745900	<u>REMOVAL OF SIDEWALK</u> SEE TABULATION ON SHEET C.04.
39	2511-7526005	<u>SIDEWALK, PCC, 5"</u> CERTIFIED PLANT INSPECTION WILL BE REQUIRED. GGBFS (SLAG) IS NOT PERMITTED FOR ANY WORK ON THIS PROJECT. ITEMS SHALL INCLUDE QUANTITIES FOR INTEGRAL CURB AND GUTTER SECTION. M MIX CONCRETE SHALL BE ALLOWED AS A SUBSTITUTION FOR CLASS C CONCRETE AT NO ADDITIONAL COST TO THE OWNER. TESTING OF SMOOTHNESS SHALL BE COMPLETED AS FOLLOWS: THE ENGINEER WILL CHECK PCC PAVEMENT SURFACES WITH A 10 FOOT STRAIGHTEDGE PLACED PARALLEL TO THE CENTERLINE. AREAS SHOWING HIGH SPOTS OF MORE THAN 1/4 OF AN INCH IN 10 FEET WILL BE MARKED. COMPLETE SURFACE CORRECTIONS ACCORDING TO THE PROCEDURES IN IOWA DOT SECTION 2316 TO AN ELEVATION WHERE THE AREA OR SPOT WILL NOT SHOW SURFACE DEVIATIONS IN EXCESS OF 1/8 INCH WHEN TESTED WITH A 10 FOOT STRAIGHTEDGE. SURFACE CORRECTIONS WILL BE COMPLETED AT THE DIRECTION OF THE ENGINEER WITH NO ADDITIONAL COST TO THE CONTRACTING AUTHORITY. SEE SHEET C.10 FOR TABULATION
40	2511-7526006	<u>SIDEWALK, PCC, 6"</u> CERTIFIED PLANT INSPECTION WILL BE REQUIRED. GGBFS (SLAG) IS NOT PERMITTED FOR ANY WORK ON THIS PROJECT. ITEMS SHALL INCLUDE QUANTITIES FOR INTEGRAL CURB AND GUTTER SECTION. M MIX CONCRETE SHALL BE ALLOWED AS A SUBSTITUTION FOR CLASS C CONCRETE AT NO ADDITIONAL COST TO THE OWNER. TESTING OF SMOOTHNESS SHALL BE COMPLETED AS FOLLOWS: THE ENGINEER WILL CHECK PCC PAVEMENT SURFACES WITH A 10 FOOT STRAIGHTEDGE PLACED PARALLEL TO THE CENTERLINE. AREAS SHOWING HIGH SPOTS OF MORE THAN 1/4 OF AN INCH IN 10 FEET WILL BE MARKED. COMPLETE SURFACE CORRECTIONS ACCORDING TO THE PROCEDURES IN IOWA DOT SECTION 2316 TO AN ELEVATION WHERE THE AREA OR SPOT WILL NOT SHOW SURFACE DEVIATIONS IN EXCESS OF 1/8 INCH WHEN TESTED WITH A 10 FOOT STRAIGHTEDGE. SURFACE CORRECTIONS WILL BE COMPLETED AT THE DIRECTION OF THE ENGINEER WITH NO ADDITIONAL COST TO THE CONTRACTING AUTHORITY. SEE SHEET C.10 FOR TABULATION
41	2511-7528101	<u>DETECTABLE WARNING</u> DETECTABLE WARNINGS SHALL BE CAST IRON. SEE SHEET C.10 FOR TABULATION
42	2515-2475006	<u>DRIVEWAY, PCC, 6"</u> CERTIFIED PLANT INSPECTION WILL BE REQUIRED. GGBFS (SLAG) IS NOT PERMITTED FOR ANY WORK ON THIS PROJECT. M MIX CONCRETE SHALL BE ALLOWED AS A SUBSTITUTION FOR CLASS C CONCRETE AT NO ADDITIONAL COST TO THE OWNER. TESTING OF SMOOTHNESS SHALL BE COMPLETED AS FOLLOWS: THE ENGINEER WILL CHECK PCC PAVEMENT SURFACES WITH A 10 FOOT STRAIGHTEDGE PLACED PARALLEL TO THE CENTERLINE. AREAS SHOWING HIGH SPOTS OF MORE THAN 1/4 OF AN INCH IN 10 FEET WILL BE MARKED. COMPLETE SURFACE CORRECTIONS ACCORDING TO THE PROCEDURES IN IOWA DOT SECTION 2316 TO AN ELEVATION WHERE THE AREA OR SPOT WILL NOT SHOW SURFACE DEVIATIONS IN EXCESS OF 1/8 INCH WHEN TESTED WITH A 10 FOOT STRAIGHTEDGE. SURFACE CORRECTIONS WILL BE COMPLETED AT THE DIRECTION OF THE ENGINEER WITH NO ADDITIONAL COST TO THE CONTRACTING AUTHORITY. SEE TABULATION ON SHEET C.10.
43	2515-6745600	<u>REMOVAL OF PAVED DRIVEWAY</u>
44	2518-6910000	<u>SAFETY CLOSURE</u> SEE "J" SHEETS FOR LOCATIONS. SEE TABULATION ON SHEET C.04.
45	2524-6765010	<u>REMOVE AND REINSTALL SIGN</u> CONTRACTOR SHALL REMOVE, SALVAGE, AND REINSTALL EXISTING SIGNS. SIGNS AND MATERIALS SHALL BE DELIVERED, STORED, AND RETRIEVED FROM THE CITY OF STORM LAKE STREET DEPARTMENT LOCATED AT 433 VILAS ROAD, STORM LAKE. DELIVERY AND STOCKPILING OF SIGNS TO BE MEASURED AND PAID PER ITEM 60. MEASUREMENT WILL BE MADE FORE EACH SIGN SALVAGED AND REINSTALLED. PAYMENT WILL BE MADE UPON REINSTALLATION. SEE TABULATION ON SHEET C.04.
46	2527-9263109	<u>PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT</u> MARKINGS SHALL BE YELLOW IN COLOR AND 4" WIDE. SEE "N" SHEETS FOR LOCATIONS.
47	2527-9263137	<u>PAINTED SYMBOL AND LEGEND, WATERBORNE OR SOLVENT</u> SYMBOLS SHALL BE YELLOW IN COLOR WITH THE DIMENSIONS OF IOWA DOT PM-111 STEW. SEE "N" SHEETS FOR LOCATIONS.
48	2528-8445110	<u>TRAFFIC CONTROL</u> 4TH STREET OR 5TH STREET SHALL REMAIN OPEN AT ALL TIMES. CONTRACTOR SHALL CONSTRUCT TEMPORARY SURFACING, SIGN ACCORDINGLY, AND OPEN THE INTERSECTION TO TRAFFIC PRIOR TO CLOSING THE OTHER INTERSECTION. ALL TRAFFIC CONTROL DEVICES SHALL MEET THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AS ADOPTED BY THE DEPARTMENT PER 761 OF THE IOWA ADMINISTRATIVE CODE (IAC), CHAPTER 130. ANY TRAFFIC CONTROL SIGN TO REMAIN IN PLACE LONGER THAN 3 CALENDAR DAYS SHALL BE POST MOUNTED WITH AN IOWA DOT APPROVED SIGN POST. NO CONSTRUCTION ACTIVITY CAN ENCROACH WITHIN 25' OF THE EDGE OF A TRAIN TRACK. ADDITIONAL TYPE 3 AND 42" CHANNELIZERS SHALL BE ON HAND TO BE PLACED AT THE DIRECTION OF THE ENGINEER. ADDITIONAL R11-4 SIGNS SHALL BE AVAILABLE TO FACILITATE WINTER SHUTDOWN AND PLACED AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTING, MAINTAINING, AND REMOVING THE DETOUR AS MARKED OUT IN THIS PLAN AND SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.
49	2533-4980005	<u>MOBILIZATION</u>

ENGLISH	IOWA DOT	DESIGN TEAM	POPE / BOLTON & MENK INC	CITY OF STORM LAKE	BUENA VISTA COUNTY	PROJECT NUMBER	STBG-SWAP-7422(618)--SG-11	SHEET NUMBER	C.02	REVISED
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ESTIMATE REFERENCE INFORMATION		
ITEM NO.	ITEM CODE	DESCRIPTION
50	2552-0000210	<u>TRENCH FOUNDATION</u> ENGINEER SHALL APPROVE ALL TRENCH FOUNDATION LOCATIONS PRIOR TO CONTRACTOR PERFORMING THIS WORK. SEE TABULATION ON SHEET C.09.
51	2554-0114006	<u>WATER MAIN, TRENCHED, PVC, 6"</u> PIPE SHALL BE C900. PIPE BEDDING CLASS SHALL CONFORM WITH IOWA DOT STANDARD PLATE SW-101. CLASS P-3 BEDDING MATERIAL SHALL BE CLASS I OR CLASS II. OWNER WILL PROVIDE WATER FOR INITIAL FILL AND FLUSHING. TESTING AND DISINFECTION TO BE PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH AWWA C651. TRACER WIRE SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. TRACER WIRE SHALL BE #14 COPPER CLAD STEEL WIRE OR #12 AWG SOLID COPPER WITH 30-MIL HDPE INSULATING JACKET TAPED TO THE MAIN EVERY 20 FEET. TRACER WIRE GROUND RODS SHALL CONSIST OF A ONE 1 LB MAGNESIUM ALLOY ANODE ROD WITH MINIMUM DIMENSIONS OF 1.3" IN DIAMETER AND 18" IN LENGTH. THE ANODE ROD SHALL COME PREASSEMBLED WITH A PE CAP AND 10 FT OF TRACER WIRE ATTACHED. TRACER WIRE STATIONS SHALL BE TWO TERMINAL BOXES AS MFG. BY COPPERHEAD INDUSTRIES, VALVCO, OR APPROVED EQUAL. CONTRACTOR WILL BE CHARGED FOR WATER FLUSHING AFTER THE FIRST FAILED TEST. OWNER WILL TEST THE TRACER WIRE SYSTEM PRIOR TO FINAL ACCEPTANCE. . SEE TABULATION ON SHEET C.09.
52	2554-0203000	<u>FITTINGS BY WEIGHT, DUCTILE IRON</u> ALL FITTINGS SHALL BE DUCTILE IRON, MECHANICAL JOINT, RESTRAINED JOINT WITH MEGALUG OR APPROVED EQUAL. NUTS AND BOLTS TO BE FLUOROCARBON COATED WITH 1-2.5 MIL THICKNESS. WEIGHTS ARE PER AWWA C-153. POLYETHYLENE WRAP AND BEDDING MATERIAL IS CONSIDERED INCIDENTAL TO THIS ITEM. ALL JOINTS TO HAVE A MINIMUM OF (2) 6 OZ. SACRIFICIAL ZINC ANODE CAPS PER GLAND INSTALLED. ANY NECESSARY THRUST BLOCKS SHALL BE INCIDENTAL TO THIS ITEM. SEE TABULATION ON SHEET C.09.
53	2554-0205000	<u>WATER SERVICE STUB, POLYETHYLENE, 1"</u> PIPE MATERIAL SHALL BE SDR 9 POLYETHYLENE (CTS) IN ACCORDANCE WITH AWWA C901. SEE TABULATION ON SHEET C.09. REMOVAL OF EXISTING SERVICE LINE AND CURB STOP SHALL BE INCIDENTAL TO THIS ITEM.
54	2554-0205600	<u>WATER SERVICE CURB STOP & BOX</u> CORPORATION STOP SHALL BE INCLUDED WITH THIS ITEM. TAPPING SADDLE SHALL BE DUCTILE IRON BODY WITH 304L STAINLESS STEEL STRAPS AND 4 STAINLESS STEEL BOLTS. CURB STOP AND CORPORATION STOP SHALL BE BALL VALVE STYLE WITH CTS COMPRESSION FITTINGS, AS MFG. BY A.Y. MCDONALD, FORD METER COMPANY, OR APPROVED EQUAL. CURB BOX SHALL BE MINNEAPOLIS PATTERN WITH 1-1/4" UPPER SECTION AND LID WITH PENTAGON PLUG AS MFG. BY A.Y. MCDONALD, FORD METER COMPANY OR APPROVED EQUAL. SEE TABULATION ON SHEET C.09.
55	2554-0207004	<u>VALVE, GATE, DIP, 4"</u> VALVES SHALL BE RESILIENT WEDGE, NON-RISING STEM, IRON BODY, 2" SQUARE OPENING NUT, OPEN LEFT, MECHANICAL JOINTS AND 200 PSI WORKING PRESSURE. VALVE BOXES SHALL BE HEAVY DUTY (THICK CAST) MARKED "WATER" ON VALVE BOX COVER. VALVES SHALL BE MUELLER RESILIENT WEDGE GATE VALVES WITH STAINLESS STEEL BOLTS, OR APPROVED EQUAL. SEE TABULATION ON SHEET C.09.
56	2554-0207006	<u>VALVE, GATE, DIP, 6"</u> VALVES SHALL BE RESILIENT WEDGE, NON-RISING STEM, IRON BODY, 2" SQUARE OPENING NUT, OPEN LEFT, MECHANICAL JOINTS AND 200 PSI WORKING PRESSURE. VALVE BOXES SHALL BE HEAVY DUTY (THICK CAST) MARKED "WATER" ON VALVE BOX COVER. VALVES SHALL BE MUELLER RESILIENT WEDGE GATE VALVES WITH STAINLESS STEEL BOLTS, OR APPROVED EQUAL. SEE TABULATION ON SHEET C.09.
57	2554-0210201	<u>FIRE HYDRANT ASSEMBLY, WM-201</u> ALL FITTINGS, JOINTS, GATE VALVES, AND 6" PVC PIPE NECESSARY TO INSTALL HYDRANT SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. HYDRANTS SHALL BE MUELLER SUPER CENTURION 250 3-WAY HYDRANTS MODEL A-423. VALVES SHALL BE MUELLER RESILIENT WEDGE GATE VALVES WITH STAINLESS STEEL BOLTS, OR APPROVED EQUAL. HYDRANTS SHALL BE PAINTED ALL YELLOW. SEE TABULATION ON SHEET C.09.
58	2555-0000010	<u>DELIVER AND STOCKPILE SALVAGED MATERIALS</u> ITEM INCLUDES DELIVERY AND STOCKPILE OF ALL SALVAGED SIGNS TO THE CITY OF STORM LAKE STREET DEPARTMENT AND STOCKPILE OF ALL SALVAGED HYDRANTS TO THE CITY OF STORM LAKE WATER DEPARTMENT. MEASUREMENT AND PAYMENT WILL BE LUMP SUM. PAYMENT WILL BE MADE AS A PERCENTAGE OF EACH SIGN OR HYDRANT STOCKPILED. SEE TABULATION ON SHEET C.04.
59	2599-9999005	<u>CONNECT TO EXISTING SANITARY SEWER</u> CONNECTIONS TO EXISTING PIPE TO BE ACCOMPLISHED WITH COUPLER COMPLYING TO CCSA B602, ASTM D5926, AND ASTM C1173. CLAMP BAND SHALL BE 301 STAINLESS STEEL. ITEM SHALL BE FOR BOTH THE CONNECTION TO EXISTING SERVICEC AND CONNECTION TO EXISTING MAIN COMBINED. ENGINEER SHALL COUNT EACH CONNECTION TO EXISTING SERVICE AND CONNECTION TO EXISTING MAIN PAIRS AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER EACH CONNECTION.
60	2599-9999005	<u>CONNECT TO EXISTING STORM SEWER</u> ITEM SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY TO CONSTRUCT A CONCRETE COLLAR TO CONNECT NEW AND EXISTING STORM SEWER PIPES ACCORDING TO THE DETAIL WITHIN THIS PLAN SET OR NEW STORM SEWER STRUCTURES TO EXISTING STORM SEWER PIPES. ANY EXISTING PIPE REMOVED AND REPLACED FOR THE INSTALLATION OF A STORM SEWER STRUCTURE SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. ENGINEER SHALL COUNT EACH CONNECTION AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER EACH CONNECTION.
61	2599-9999005	<u>CONNECT TO EXISTING WATER MAIN</u> ITEM SHALL INCLUDE ALL LABOR AND PARTS NECESSARY TO CONNECT PROPOSED WATERMAIN TO THE EXISTING WATERMAIN. MAXIMUM SHUT DOWN LENGTH FOR THE CONNECTION SHALL BE NO MORE THAN 2 HOURS AS DIRECTED BY THE IOWA DNR. NO RESIDENT MAY BE SHUT DOWN MORE THAN 1 TIME IN A 24 HOUR PERIOD. ENGINEER SHALL COUNT EACH CONNECTION AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER EACH CONNECTION. SEE TABULATION ON SHEET C.09.
62	2599-9999005	<u>SALVAGE FIRE HYDRANT</u> CONTRACTOR SHALL SALVAGE EXISTING FIRE HYDRANT AND RETURN TO THE CITY OF STORM LAKE. MEASUREMENT AND PAYMENT SHALL BE PER EACH HYDRANT DELIVERED TO THE CITY. SEE TABULATION ON SHEET C.05.
63	2599-9999005	<u>SANITARY SEWER SERVICE REPAIR</u> SANITARY SEWER ENCOUNTERED ON THIS PROJECT, MARKED OR OTHERWISE, SHALL BE PROTECTED IN PLACE IF POSSIBLE OR REPAIRED WITH NO SHEAR RUBBER BOOT CONNECTORS WITH STAINLESS STEEL SHEAR BANDS AND STRAPS AND THE SAME SIZE SDR 23.5 PVC PIPE. SIZE AND TYPE OF PIPE SHALL BE VERIFIED IN THE FIELD. QUANTITY IS AN ESTIMATE TO ESTABLISH A UNIT PRICE. PAYMENT SHALL BE MADE FOR ACTUAL LENGTH OF PIPE REPAIR. CONNECTIONS TO EXISTING SHALL BE MADE USING NO SHEAR RUBBER BOOT CONNECTORS WITH STAINLESS STEEL SHEAR BANDS AND STRAPS. ENGINEER SHALL COUNT EACH REPAIR AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER EACH REPAIR.
64	2599-9999005	<u>TILE REPAIR</u> DRAIN TILE ENCOUNTERED ON THIS PROJECT, MARKED OR OTHERWISE, SHALL BE PROTECTED IN PLACE IF POSSIBLE OR REPAIRED. SIZE AND TYPE OF PIPE SHALL BE VERIFIED IN THE FIELD. PAYMENT SHALL BE MADE PER FOOT OF PIPE REPAIR UP TO 12" IN NOMINAL DIAMETER. CONNECTIONS TO EXISTING SHALL BE MADE USING NO SHEAR RUBBER BOOT CONNECTORS WITH STAINLESS STEEL SHEAR BANDS AND STRAPS. ENGINEER SHALL MEASUER EACH REPAIR AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER FOOT REPAIRED.
65	2599-9999005	<u>YARD HYDRANT</u> ALL FITTINGS, JOINTS, GATE VALVES, AND 6" PVC PIPE NECESSARY TO INSTALL HYDRANT SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM INCLUDING THE 8" GATE VALVE AND BOX, 8" PLUG WITH A 3/4" TAP AND 3/4" STAINLESS STEEL HIDE DRAT COMPLETE ASSEMBLY OR APPROVED EQUAL. SEE TABULATION ON SHEET C.09 FOR LOCATION. ENGINEER SHALL COUNT EACH HYDRANT AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER EACH HYDRANT.
66	2599-9999007	<u>EXPLORATORY EXCAVATION</u> THIS ITEM IS FOR THE INVESTIGATION OF LOCATIONS AND ELEVATIONS OF AN EXISTING UTILITY TO VERIFY THE POTENTIAL FOR CONFLICTS. THE ENGINEER OR THEIR REPRESENTATIVE MUST VERIFY THE CONDITIONS FOUND. QUANTITY IS ESTIMATED TO ESTABLISH UNIT PRICE. NO PAYMENT WILL BE MADE FOR EXPLORATORY EXCAVATION UNLESS SPECIFICALLY DIRECTED AND AGREED TO BY THE ENGINEER. EXPLORATORY EXCAVATION WILL NOT BE PAID FOR EXCAVATION REQUIRED TO LOCATE AND CONNECT TO EXISTING PIPES UNLESS THE ENGINEER AGREES THAT EXCAVATION BEYOND WHAT COULD BE CONSIDERED REASONABLE IS REQUIRED. WHERE EXPLORATORY EXCAVATION IS PERFORMED IN A LOCATION THAT WILL NOT BE DISTURBED LATER, BACKFILL SHALL BE PLACED AND COMPACTED TO THE DENSITY SPECIFIED ELSEWHERE IN THE CONTRACT DOCUMENTS FOR THE TYPE OF UTILITY LOCATED. CONTRACTOR HAS THE OPTION TO USE OPEN EXCAVATION OR VACUUM TYPE EQUIPMENT TO PERFORM THE EXCAVATION DEPENDING UPON SITE CONDITIONS. ENGINEER SHALL COUNT EACH HOUR OF EXPLORATORY EXCAVATION AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER HOUR.
67	2599-9999007	<u>SWEEPING</u> THIS ITEM WILL BE FOR A MECHANICAL BROOM TO CLEAN THE SITE AS DIRECTED BY THE ENGINEER. MECHANICAL BROOM SHALL HAVE THE ABILITY TO COLLECT THE DEBRIS AND RETURN IT TO THE SITE. SWEEPING WILL BE REQUIRED FOR HAUL ROUTES USED BY THE CONTRACTOR. ENGINEER SHALL COUNT EACH HOUR OF SWEEPING AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER HOUR.

ESTIMATE REFERENCE INFORMATION		
ITEM NO.	ITEM CODE	DESCRIPTION
68	2599-9999009	<u>4" SUBDRAIN STUB</u> LOCATIONS TO BE DETERMINED IN THE FIELD. ALL CONNECTIONS SHALL BE TO A DEDICATED SUMP PUMP COLLECTOR LINE. ALL MATERIAL NEEDED AS DESCRIBED IN THE DETAIL OF THIS PLAN SET SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. PIPE SHALL BE SOLID WALL NON-PERFORATED SDR 35 PVC OR SCHEDULE 40 PVC. ALL FITTINGS SHALL BE INCLUDED IN THIS ITEM. INSTALL A SLIP CAP AT THE RIGHT OF WAY LINE INCLUDED IN THIS ITEM. MEASUREMENT OF EACH SIZE OF PIPE WILL BE IN LINEAR FEET FROM END OF PIPE TO END OF PIPE. PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE PER LINEAR FOOT.
69	2599-9999009	<u>WATERMAIN REMOVAL OR ABANDONMENT</u> CONTRACTOR SHALL EITHER REMOVE OR ABANDON WATERMAIN. IF ABANDONMENT IS CHOSEN CONTRACTOR SHALL INSTALL A MEGALUG CAP AT THE END OF THE EXISTING WATERMAIN PIPE TO PROTECT IT FROM SOIL AND SHALL BE INCLUDED IN THIS ITEM. EXISTING VALVES AND VALVE BOXES MARED FOR REMOVAL SHALL BE INCIDENTAL TO THIS ITEM. ALL BACKFILL REQUIRED SHALL BE INCLUDED WITH THIS ITEM. ITEM SHALL BE PAID BY THE LINEAR FOOT ABANDONED OR REMOVED AS MEASURED BY THE ENGINEER AND BASIS OF PAYMENT WILL BE BY THE LINEAR FOOT.
70	2599-9999010	<u>GARBAGE SERVICE MAINTENANCE</u> CONTRACTOR SHALL PICK UP ALL GARBAGE CONTAINERS PLACED OUT FOR COLLECTION BY THE RESIDENTS ONCE PER WEEK AND BRING TO A LOCATION AGREED UPON BY THE GARBAGE HAULER. UPON COLLECTION OF THE BINS, CONTRACTOR SHALL REDISTRIBUTE EACH BIN TO THE RESPECTIVE OWNERS. THIS IS A LUMP SUM ITEM AND NO MEASUREMENT WILL BE MADE. PAYMENT WILL BE AT THE LUMP SUM PRICE AT THE SAME SCHEDULE AS TRAFFIC CONTROL.
71	2599-9999010	<u>TEMPORARY MAIL SERVICE MAINTENANCE</u> CONTRACTOR SHALL PROVIDE TEMPORARY MAIL BOXES FOR ALL RESIDENCES AFFECTED BY THE PROJECT. TEMPORARY MAILBOX SHALL BE LOCATED IN A PLACE ACCESSIBLE TO ALL RESIDENTS AND THE USPS FOR THE DURATION OF THE PROJECT. THIS IS A LUMP SUM ITEM AND NO MEASUREMENT WILL BE MADE. PAYMENT WILL BE AT THE LUMP SUM PRICE.
72	2599-9999010	<u>TEMPORARY WATER</u> CONTRACTOR SHALL MAINTAIN WATER SERVICE TO ALL PROPERTIES IN THE PROJECT AREA. CONTRACTOR MAY TEMPORARILY INTERRUPT WATER SERVICE FOR A MAXIMUM OF 2 HOURS TO ANY PROPERTY WITHIN A 48 HOUR WINDOW. CONTRACTOR SHALL CAREFULLY PLAN SEQUENCE OF WATERMAIN CONSTRUCTION AND SHALL TAKE NECESSARY CONSTRUCTION MEASURES AS REQUIRED TO ADEQUATELY RESTORE AND MAINTAIN SERVICE TO ALL AREAS AFFECTED BY CONSTRUCTION. SUCH PROPOSED MEASURES AND PLAN OF ACTION SHALL BE REVIEWED AND APPROVED BY THE OWNER AND THE ENGINEER PRIOR TO SCHEDULED SERVICE INTERRUPTION. TEMPORARY PIPES, FITTINGS, AND VALVES, INCLUDING DISINFECTION IN ACCORDANCE WITH AWWA C-651 SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. ADEQUATE PRESSURE MUST BE MAINTANINED TO COMMERCIAL PROPERTIES WITH FIRE SUPPRESSION SYSTEMS. THIS IS A LUMP SUM ITEM AND NO MEASUREMENT WILL BE MADE PROPORTIONATE TO THE COMPLETION PERCENTAGE OF WATER RELATED CONSTRUCTION.
73	2599-9999012	<u>DUST CONTROL</u> ITEM SHALL BE FOR DUST ABATEMENT AS DIRECTED BY THE ENGINEER. MEASUREMENT TO THE NEAREST 1000 GALLONS OF ADDED WATER. PAYMENT WILL BE BY THE UNIT PRICE PER 1000 GALLONS.
74	2599-9999018	<u>POLYSTYRENE INSULATION, 4"</u> INSULATION SHALL BE EXTRUDED RIGID BOARD MATERIAL WITH A THERMAL CONDUCTIVITY OF 0.23 BTU/HOUR/SQUARE FOOT/DEGREE FAHRENHEIT/INCH THICKNESS, MAXIMUM AT 40 F MEAN, MINIMUM COMPRESSIVE STRENGTH OF 35 PSI AND WATER ABSORPTION OF 0.25% BY VOLUME MEDIAN. BOARD DIMENSIONS SHALL BE 8' LONG, 2 OR 4' WIDE, AND EITHER 1.5", 2", OR 3" THICK. INSULATION SHALL BE PLACED ON A BED OF SAND AND SAND SHALL BE PLACED ABOVE THE INSULATION TO ISOLATE THE INSULATION FROM ROCKS AND OTHER SHARP OBJECTS. MEASUREMENT WILL BE BY THE SQUARE YARD OF INSULATION INSTALLED. PAYMENT WILL BE AT THE UNIT PRICE PER SQUARE YARD.
75	2599-9999018	<u>TEMPORARY GRANULAR SURFACE CASE 1</u> MINIMUM THICKNESS OF 10". MAINTENANCE OF VEHICULAR AND PEDESTRIAN TRAFFIC ON TEMPORARY AGGREGATE SURFACED DRIVES AND WALKWAYS INCLUDING THE EVENTUAL REMOVAL OF THE AGGREGATE MATERIAL SHALL BE INCIDENTAL TO THIS ITEM. SEE "J" SHEETS FOR LOCATIONS. MEASUREMENT WILL BE BY THE SQUARE YARD OF AGGREGATE INSTALLED. PAYMENT WILL BE AT THE UNIT PRICE PER SQUARE YARD.
76	2599-9999018	<u>TEMPORARY ROLLED EROSION CONTROL PRODUCTS (RECP), TYPE 1B</u> PRODUCT SHALL BE ECTC TYPE 1.B, WHICH IS COMPRISED OF NATURAL AND/OR POLYMER FIBERS MECHANICALLY INTERLOCKED AND/OR CHEMICALLY ADHERED TOGETHER TO FORM A NETLESS RECP. PRODUCT SHALL HAVE A C FACTOR ≤ 0.10 FROM STANDARDIZED LARGE-SCALE RAINFALL PERFORMANCE TESTING, ASTM D6459 OR EQUIVALENT DEEMED ACCEPTABLE BY THE ENGINEER. PRODUCT UNVEGETATED PERMISSIBLE SHEAR STRESS RATING SHALL BE ≥ 1.0 LBS/FT2 (≥ 48 PA) ACCORDING TO ASTM D6460 OR EQUIVALENT DEEMED ACCEPTABLE BY THE ENGINEER. MD (MACHINE DIRECTION) TENSILE STRENGTH SHALL BE ≥ 125 LBS/FT (≥ 1.8 KN/M) X TD (TRANSVERSE DIRECTION) TENSILE STRENGTH OF ≥ 10 LBS/FT (≥ 0.1 KN/M) ACCORDING TO ASTM D6818. PRODUCT SHALL HAVE A THICKNESS ≥ 0.3 IN (≥ 7.6 MM) ACCORDING TO ASTM D6525, GROUND COVERAGE OF ≥ 50% - ≤ 90% ACCORDING TO ASTM D6567, AND MASS PER UNIT AREA OF ≥ 10.0 OZ/YD2 (≥ 339 G/M2) ACCORDING TO ASTM D6475. ITEM SHALL BE PLACED OVER ALL AREA MARKED FOR SEED AND FERTILIZE (URBAN) AFTER SEEDING AND FERTILIZATION HAS BEEN COMPLETED. MECHANICALLY FASTEN PRODUCT ACCORDING TO MANUFACTURE RECOMENDATIONS. MEASUREMENT WILL BE BY THE SQUARE YARD INSTALLED. PAYMENT WILL BE AT THE UNIT PRICE PER SQUARE YARD.
77	2599-9999020	<u>GRANULAR SUBBASE</u> SEE TABULATION ON SHEET C.06. GRADATION 32, GRANULAR BACKFILL SHALL BE USED FOR THIS ITEM. 2111 SHALL APPLY. METHOD OF MEASUREMENT OF TONS PLACED AND BASIS OF PAYMENT WILL BE THE UNIT PRICE PER TON.
78	2599-9999020	<u>TEMPORARY GRANULAR SURFACE CASE 2</u> ITEM SHALL BE USED IF WINTER SHUTDOWN IS DICTATED BY CONTRACTOR'S SCHEDULE AT THE DIRECTION OF THE ENGINEER. CONTRACTOR SHALL PROVIDE A MINIMUM THICKNESS OF 10" INCLUDING ANY ROAD SECTION ALREADY IN PLACE AND APPROVED BY THE ENGINEER ACCORDING TO THE DETAIL ON SHEET B.01. MAINTENANCE OF VEHICULAR AND PEDESTRIAN TRAFFIC ON TEMPORARY AGGREGATE SURFACED DRIVES AND WALKWAYS INCLUDING THE EVENTUAL REMOVAL OF THE AGGREGATE MATERIAL SHALL BE INCIDENTAL TO THIS ITEM. CONTRACTOR SHALL SHAPE SURFACE TO PROMOTE DRAINAGE OFF OF THE ROADBED. ITEM SHALL INCLUDE SURFACING TO THE PROPOSED BACK OF CURB LINE. ANY AGGREGATE USED OUTSIDE OF THE BACK OF CURB SHALL BE INCIDENTAL TO THIS ITEM. MEASUREMENT WILL BE BY THE TON OF AGGREGATE INSTALLED. PAYMENT WILL BE AT THE UNIT PRICE PER TON.
79	2601-2634105	<u>MULCH, BONDED FIBER MATRIX</u> MULCHING SHALL BE PLACED AS EROSION CONTROL EVERYWHERE SEEDING AND FERTILIZING IS TO BE PLACED.
80	2601-2636044	<u>SEED AND FERTILIZE (URBAN)</u> CONTRACTOR SHALL SEED ALL AREAS THAT WILL NOT BE WORKED FOR MORE THAN 14 CALENDAR DAYS AS DIRECTED BY THE ENGINEER. SEED SHALL COMPLY WITH URBAN TYPE SEED MIX AND RATES.
81	2601-2636070	<u>HYDRAULIC SEEDING</u> CONTRACTOR SHALL SEED ALL AREAS THAT WILL NOT BE WORKED FOR MORE THAN 14 CALENDAR DAYS AS DIRECTED BY THE ENGINEER. SEED SHALL COMPLY WITH URBAN TYPE SEED MIX AND RATES. MULCH SHALL BE BONDED FIBER MATRIX (BFM).
82	2602-0000150	<u>STABILIZED CONSTRUCTION ENTRANCE, EC-303</u> SEE SHEETS C.11 & C.12 FOR LOCATIONS.
83	2602-0000530	<u>GRATE INTAKE SEDIMENT FILTER BAG</u> SW-505 INTAKES SHALL BE PAID PER INTAKE CASTING (2 EACH). SEE TABULATION ON SHEET C.07. ENGINEER SHALL COUNT EACH FILTER BAG INSTALLED AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER EACH FILTER BAG.
84	2602-0000540	<u>MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG</u> SEE TABULATION ON SHEET C.07. ENGINEER SHALL COUNT EACH FILTER BAG AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER EACH FILTER BAG INSTALLED AND ACTIVELY MAINTAINED.
85	2602-0000550	<u>REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG</u> SEE TABULATION ON SHEET C.07. ENGINEER SHALL COUNT EACH FILTER BAG AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER EACH FILTER BAG REMOVED.
86	2602-0010010	<u>MOBILIZATION, EROSION CONTROL</u>

ENGLISH	IOWA DOT	DESIGN TEAM	POPE / BOLTON & MENK INC	CITY OF STORM LAKE	BUENA VISTA COUNTY	PROJECT NUMBER	STBG-SWAP-7422(618)--SG-11	SHEET NUMBER	C.03	REVISED
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REMOVAL OF PAVEMENT									
This Data Entry Sheet fills Tab 110-1 effective 04-16-13									
Begin Station	End Station	Side	Pavement Type	Safety Closure	Length	Width	Area	Area	Remarks
				Each	FT	FT	SF	SY	
101+49.00	122+61.96	BOTH	ACC OVER PCC	1	2113	31	65502	7278.0	
104+70.00		LEFT	ACC OVER PCC	2	35	31	1085	120.6	INTERSECTION OF ONEIDA ST AND 4TH ST
104+70.00		RIGHT	ACC OVER PCC	2	35	31	1085	120.6	INTERSECTION OF ONEIDA ST AND 4TH ST
111+80.00		LEFT	ACC OVER PCC	2	35	37	1295	143.9	INTERSECTION OF ONEIDA ST AND 5TH ST
111+80.00		RIGHT	ACC OVER PCC	2	35	37	1295	143.9	INTERSECTION OF ONEIDA ST AND 5TH ST
112+19.00	115+21.00	LEFT	PCC		302	28	8558	950.9	
115+62.00		LEFT	ACC OVER PCC	1	35	27	945	105.0	INTERSECTION OF ONEIDA ST AND 6TH ST
115+62.00		RIGHT	ACC OVER PCC	1	35	31	1085	120.6	INTERSECTION OF ONEIDA ST AND 6TH ST
120+42.00		LEFT	ACC OVER PCC	1	26	16	416	46.2	INTERSECTION OF ONEIDA ST AND 7TH ST
120+42.00		RIGHT	ACC OVER PCC	1	35	31	1085	120.6	INTERSECTION OF ONEIDA ST AND 7TH ST
120+89.00	122+62.00	LEFT	PCC	1	173	11	2190	243.3	
			Totals:	14				9393	

SIDEWALK REMOVAL						
This Data Entry Sheet fills Tab 110-5 effective 10-20-15						
Begin Station	End Station	Length	Width	Area	Area	Remarks
		FT	FT	SF	SY	
104+30.64	104+55.27	VARIES	VARIES	99	11.0	PED RAMP
104+85.72	105+08.73	VARIES	VARIES	235	26.1	PED RAMP
105+03.94	105+08.50	VARIES	34.1	154	17.1	PED RAMP
105+87.87	105+99.87	12.0	4.5	54	6.0	
106+54.23	106+65.58	11.4	4.5	51	5.7	
107+34.91	107+45.84	10.9	4.5	49	5.5	
107+57.15	107+69.15	12.0	4.5	54	6.0	
108+22.81	108+34.81	12.0	4.5	54	6.0	
109+68.11	109+80.11	12.0	4.5	54	6.0	
110+30.29	110+42.29	12.0	4.5	54	6.0	
110+86.99	110+98.99	12.0	4.5	54	6.0	
111+25.81	111+48.85	VARIES	VARIES	232	25.8	PED RAMP
111+40.18	111+65.68	VARIES	VARIES	235	26.1	PED RAMP
111+94.70	112+23.50	VARIES	VARIES	269	29.9	PED RAMP
112+14.34	112+19.02	VARIES	VARIES	166	18.4	PED RAMP
112+45.52	113+14.40	68.9	4.5	310	34.4	
113+57.64	113+69.63	12.0	5.5	66	7.3	
114+07.79	114+19.79	12.0	6.5	78	8.7	
115+20.54	115+44.97	VARIES	VARIES	251	27.9	PED RAMP
115+20.78	115+24.79	VARIES	VARIES	115	12.8	PED RAMP
115+75.90	116+00.62	VARIES	VARIES	219	24.3	PED RAMP
115+76.31	116+00.16	VARIES	VARIES	244	27.1	PED RAMP
119+99.42	120+28.17	VARIES	VARIES	203	22.6	PED RAMP
119+99.87	120+24.09	VARIES	VARIES	114	12.7	PED RAMP
120+55.26	120+80.26	VARIES	VARIES	217	24.2	PED RAMP
120+58.26	120+80.39	VARIES	VARIES	231	25.6	PED RAMP
				Totals:	429	

REMOVAL OF PAVED DRIVES						
This Data Entry Sheet fills Tab 110-08 effective 04-17-18						
Location		Length	Width	Area	Area	Remarks
Station	Side	FT	FT	SF	SY	
101+86	RT	46.4	10.6	490	54.4	
102+58	LT	15.1	6.0	80	8.8	
102+69	RT	14.3	13.6	207	23.0	
103+50	RT	39.1	10.3	371	41.2	
103+72	LT	128.8	15.7	1956	245.8	
105+80	RT	27.9	29.7	663	73.6	GRAVEL DRIVEWAY
106+09	LT	53.8	23.0	871	96.7	
106+46	RT	16.9	29.6	497	55.3	
107+08	RT	17.4	29.9	355	39.4	
107+99	RT	29.7	20.0	513	57.1	
108+46	LT	38.7	17.8	433	48.0	
108+60	RT	20.3	10.3	197	21.9	
108+83	RT	18.6	22.8	412	45.8	
109+20	LT	20.0	34.3	423	47.0	
109+40	RT	17.5	12.3	182	20.3	
109+75	LT	22.7	34.3	625	69.4	GRAVEL DRIVEWAY
110+00	RT	21.1	30.1	528	58.6	
110+79	LT	98.1	VARIES	1923	213.5	
110+79	RT	12.6	30.1	304	33.8	
113+20	RT	16.2	24.1	287	31.9	
113+85	LT	301.5	28.5	8558	399.3	
113+93	RT	16.1	20.9	246	27.3	
114+50	RT	15.7	20.9	265	29.5	
116+56	RT	13.0	21.4	229	25.5	
117+38	RT	27.4	29.0	668	74.2	
118+15	RT	15.7	20.3	251	27.9	
118+70	RT	15.4	9.8	122	13.6	
119+32	RT	16.0	13.5	174	19.4	
121+33	RT	16.7	28.0	341	37.9	
121+75	LT	171.6	VARIES	4610	243.4	
121+95	RT	24.2	27.7	644	71.5	
				TOTALS:	2255	

EXISTING SIGNS TO BE REMOVED						
This Data Entry Sheet fills Tab 190-62 effective 10-15-13						
SIGN NUMBER OR DESCRIPTION	LOCATION STATION	SIDE	TYPE 'A' SIGN ASSEMBLY	REMOVE & REINSTALL EXISTING SIGNS	APPLICABLE SIGNING NOTES	REMARKS
			EACH	EACH		
CROSSWALK AHEAD	101+60	LT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
RAILROAD CROSSING	101+82	LT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STOP	104+26	RT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STREET NAME	104+98	LT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STOP	105+13	LT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STOP	111+36	RT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STREET NAME	112+06	LT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STOP	112+11	LT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STOP	115+42	LT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STOP	115+79	RT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STREET NAME	115+89	LT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STOP	120+25	LT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STOP	120+58	RT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STREET NAME	120+68	RT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
NO PARKING	121+67	RT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STREET NAME	122+69	RT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
CROSSWALK	122+70	RT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
			TOTAL :	17		

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REMOVAL OF INTAKES & UTILITY ACCESSES		
This Data Entry Sheet fills Tab 110-15 effective 04-16-13		
Location	Description	Remarks
STA:104+48, 22' R	STORM INTAKE	
STA:104+50, 22' L	STORM INTAKE	
STA:104+87, 25' L	STORM INTAKE	
STA:104+88, 25' R	STORM INTAKE	
STA:104+69, 20' L	SANITARY MANHOLE	
STA:109+83, 26' R	STORM MANHOLE	
STA:109+84, 26' L	STORM MANHOLE	
STA:111+30, 25' L	STORM MANHOLE	
STA:111+31, 13' L	STORM INTAKE	
STA:111+32, 13' R	STORM INTAKE	
STA:113+69, 25' L	STORM MANHOLE	
STA:113+69, 13' L	STORM INTAKE	
STA:113+70, 13' R	STORM INTAKE	
STA:116+05, 13' L	STORM INTAKE	
STA:116+05, 13' R	STORM INTAKE	
STA:116+79, 23' L	STORM MANHOLE	
STA:122+57, 23' L	STORM MANHOLE	
STA:122+57, 13' L	STORM INTAKE	
STA:122+58, 13' R	STORM INTAKE	
TOTAL:	19	

SANITARY, STORM SEWER, AND WATERMAIN ABANDONMENT OR REMOVAL						
* Not a bid item, for information only						
This Data Entry Sheet fills Tab 110-14 effective 04-16-13						
Location/Description	Sanitary, Storm Sewer or Watermain	Abandonment, Plug Only or Abandonment, Plug and Fill or Removal	Length of Pipe		Fill Material*	Remarks
			≤ 36 inch Diameter	> 36 inch Diameter	Flowable Mortar or CLSM	
			LF	LF	CY	
STA:104+14 32' RT - STA:104+80 32' RT	Watermain	Removal	66			
STA:104+80 44' LT - STA:104+80 52' RT	Watermain	Removal	96			
STA:104+69 18' LT - STA:104+69 44' RT	Sanitary Sewer	Removal	66			
STA:104+47 26' LT - STA:104+44 73' RT	Storm Sewer	Removal	100			
STA:104+47 26' LT - STA:122+57 23' LT	Storm Sewer	Abandonment, Plug Only	1810			
STA:104+90 50' LT	Watermain	Removal				SALVAGE HYDRANT
STA:104+91 30' LT - STA:104+97 55' RT	Storm Sewer	Removal	85			
STA:104+80 20' LT - STA:115+52 19' LT	Watermain	Abandonment, Plug Only	1072			
STA:111+30 25' LT - STA:111+32 13' RT	Storm Sewer	Removal	39			
STA:112+10 22' LT	Watermain	Removal				SALVAGE HYDRANT
STA:113+69 25' LT - STA:113+70 12' RT	Storm Sewer	Removal	39			
STA:115+40 49' LT	Watermain	Removal				SALVAGE HYDRANT
STA:115+51 51' LT - STA:115+51 53' RT	Watermain	Removal	104			
STA:115+51 51' RT - STA:116+03 22' RT	Watermain	Abandonment, Plug Only	468			
STA:119+86 21' RT - STA:120+19 32' RT	Watermain	Removal	36			
STA:120+13 35' RT	Watermain	Removal				SALVAGE HYDRANT
STA:120+18 34' LT - STA:120+19 42' RT	Watermain	Abandonment, Plug Only	76			CONCRETE PLUGS
STA:120+20 24' LT - STA:120+57 41' LT	Storm Sewer	Removal	45			
STA:122+57 23' LT - STA:122+57 14' RT	Storm Sewer	Removal	37			
		WATERMAIN TOTALS:	1918			
		SANITARY SEWER TOTALS:	66			
		STORM SEWER TOTALS:	2155			

CLEARING AND GRUBBING																	
This Data Entry Sheet fills Tab 110-17 effective 04-18-17																	
Location		Work and Material Type	Trees, Stumps, and Logs and Down Timber Material Diameters														Remarks
Station to Station	Direction of Travel		3"-6"	>6"-9"	>9"-12"	>12"-15"	>15"-18"	>18"-24"	>24"-30"	>30"-36"	>36"-42"	>42"-48"	>48"-60"	>60"-72"	>72"	Calculated Units	
112+75	RT	Stumps - Grubbing													1	160.0	
															TOTAL	160	

GRATE INTAKE SEDIMENT FILTER BAG					
This Data Entry Sheet fills Tab 100-37 effective 04-18-17					
Location Station	Side	Installation	Maintenance	Removal	Remarks
		EACH	EACH	EACH	
104+24	15' L	2	8	2	SW-505 INTAKE
104+24	15' R	1	4	1	
104+48	22' R	1	0	1	REMOVE
104+49	25' L	1	0	1	REMOVE
104+88	28' L	1	0	1	REMOVE
104+88	25' R	1	0	1	REMOVE
4TH ST	R	2	8	2	EXISTING
105+12	15' R	1	4	1	
105+14	15' L	1	4	1	
108+71	15' R	1	4	1	
108+71	15' L	2	8	2	SW-505 INTAKE
111+30	15' L	1	0	1	REMOVE
111+32	15' R	1	0	1	REMOVE
111+36	15' L	1	4	1	
111+36	15' R	1	4	1	
111+62	43' L	1	4	1	
5TH ST	R	2	8	2	EXISTING
112+24	15' R	1	4	1	
112+25	15' L	2	8	2	SW-505 INTAKE
113+70	15' L	1	0	1	REMOVE
115+07	15' R	1	0	1	REMOVE
115+08	15' R	1	4	1	
115+08	15' L	1	4	1	
115+47	43' L	1	4	1	
6TH ST	R	2	4	2	EXISTING
116+04	15' R	2	8	2	SW-505 INTAKE
116+04	15' R	1	4	1	
116+06	15' L	1	0	1	REMOVE
116+07	15' L	1	0	1	REMOVE
116+78	15' L	1	4	1	
120+29	41' L	1	2	1	EXISTING
120+57	42' L	1	2	1	EXISTING
7TH ST	R	2	4	2	EXISTING
122+40	15' R	1	4	1	
122+40	15' L	1	4	1	
122+40	19' L	1	4	1	
122+57	15' R	1	0	1	REMOVE
122+58	15' L	1	0	1	REMOVE
122+77	88' L	1	4	1	EXISTING
MILWAUKEE AVE	R	1	4	1	
	TOTALS:	48	132	48	

INTAKES AND UTILITY ACCESSES																			
* Bid Item																			
** FOR INFORMATION ONLY																			
No.	Location Station	Structure Type*	Casting Type	Form Grade (1)	Bottom Well	Structure Height**	Drains To Structure	Pipe Grade	SUBDRAIN OUTLET DR-303	12" RCP	15" RCP	18" RCP	24" RCP	28" X 18" RCP ARCH PIPE	30" RCP	36" X 22" RCP ARCH PIPE	36" RCP	Notes	
				Elev.	Elev.				EA	LF	LF	LF	LF	LF	LF	LF			
1	104+29 15.5' L	SW-505	Q Q	1434.26	1429.69	4.57	2	0.28%	2		31								
2	104+29 15.5' R	SW-501	R	1434.26	1429.60	4.66	3	0.28%	2		67								
3	104+91 14.4' R	SW-401, 84"	F	1434.71	1429.41	5.30	4	0.02%									50		
4	104+90 64.5' R	SW-401, 60"	E	1434.86	1429.40	5.46	EXISTING												
5	105+14 15.5' L	SW-501	R	1434.71	1429.51	5.20	6	0.28%	2		31								
6	105+12 15.5' R	SW-502, 60"	R	1434.67	1429.42	5.25	3	0.05%	1						22				
7	108+71 15.5' L	SW-505	R R	1433.49	1429.52	3.97	8	0.28%			31								
8	108+71 15.5' R	SW-502, 60"	Q	1433.49	1429.43	4.06	6	0.00%	2							359			
9	111+36 15.5' L	SW-502, 48"	R	1433.17	1429.45	3.72	10	0.03%	2					31					
10	111+36 15.5' R	SW-502, 60"	R	1432.87	1429.44	3.43	8	0.00%	2					265					
11	111+50 24' L	SW-401, 72"	E	1434.04	1429.46	4.58	9	0.06%						17					
12	111+61 43' L	SW-501	R	1434.25	1429.52	4.73	11	0.28%	1		22								
13	112+26 24' L	SW-401, 60"	E	1433.36	1429.47	3.89	11	0.01%						76					
14	112+25 15.5' L	SW-505	R R	1432.27	1429.49	2.78	13	0.28%	2			9							
15	112+23 15.5' R	SW-501	R	1432.31	1429.58	2.73	14	0.28%	2		31								
16	115+07 23.5' L	SW-402, 73" X 40"	E	1433.13	1429.48	3.65	13	0.00%						281					
17	115+07 15.5' L	SW-501	R	1432.13	1429.50	2.63	16	0.28%	2		8								
18	115+07 15.5' R	SW-501	R	1432.12	1429.59	2.53	17	0.28%	2		31								
19	115+47 43' L	SW-501	R	1433.88	1429.62	4.26	16	0.28%	1		44								
20	115+90 24' L	SW-401, 60"	E	1434.15	1429.55	4.60	16	0.08%						83					
21	116+04 15.5' L	SW-502, 48"	R	1433.36	1429.60	3.76	20	0.28%	2				16						
22	116+04 15.5' R	SW-505	R	1433.41	1429.69	3.72	21	0.28%	2		31								
23	116+78 15.5' L	SW-502, 48"	R	1433.82	1429.76	4.06	21	0.22%	2			74							
	116+79 23.3' L	EXISTING					23	0.21%		8									
24	120+26 14.5' L	SW-401, 48"	F	1436.01	1430.52	5.49	23	0.22%	2		348								
	120+26 35' L	EXISTING					24	0.98%			21								
25	122+40 17.4' L	SW-501	R	1434.71	1431.19	3.52	26	0.28%			2								
26	122+40 15.5' L	SW-501	R	1434.68	1431.14	3.54	24	0.29%	2		214								
27	122+40 15.5' R	SW-501	R	1434.68	1431.23	3.45	26	0.28%	2		31								
TOTAL									35	8	943	83	16	753	22	359	50		

(1) SEE SW-603 FOR TYPE R OR TYPE 1 GRATES. LOW POINT OF GRATE TO BE 2.75" LOWER THAN FORM GRADE

STRUCTURE TOTALS	
STRUCTURE TYPE	QUANTITY
SW-301, 48"	1
SW-401, 48"	1
SW-401, 60"	3
SW-401, 72"	1
SW-401, 84"	1
SW-402, 73" X 40"	1
SW-501	10
SW-502, 48"	3
SW-502, 60"	3
SW-505	4

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104-5C																			
10-17-17																			
LIST OF SUBDRAIN WORK																			
* Not a bid item, for information only																			
** DR-303 SHALL BE THE CONNECTION TO INTAKE. SEE DETAILS FOR ACTUAL ALIGNMENT OF SUBDRAIN PIPE																			
Location			Pipe			Aprons		Outlets			Connected Pipe Joints*		Trench Drain	Granular Material	Porous Backfill*	Class "A" Crushed Stone*	Remarks		
No.	Station to Station		Type of Installation **	Concrete, C.M.P., or Plastic	Dia.	Length	DR-201	DR-203	500-10	DR-305		DR-303						DR-121	
										No.	No.							No.	Type
DR-301, DR-302, DR-303	IN	LF	No.	No.	No.	Type	No.	No.	Type			No.	LF	CY	CY	CY			
1	100+75 RT	104+24 LT	DR-303, Type 6	Plastic	6	248							1				40		SUBDRAIN RISER
2	101+20 LT	104+24 RT	DR-303, Type 6	Plastic	6	201							1				40		SUBDRAIN RISER
3	104+24 LT	104+53 LT	DR-303, Type 6	Plastic	6	50							1				7		SUBDRAIN RISER
4	104+24 RT	104+55 RT	DR-303, Type 7A	Plastic	6	59							1				9		SUBDRAIN RISER
5	104+86 LT	105+14 LT	DR-303, Type 6	Plastic	6	54							1				8		SUBDRAIN RISER
6	105+12 RT	108+71 RT	DR-303, Type 6	Plastic	6	356							2				53		
7	105+14 LT	105+87 LT	DR-303, Type 6	Plastic	6	73							1				11		SUBDRAIN RISER
8	105+87 LT	108+71 LT	DR-303, Type 6	Plastic	6	282							1				42		SUBDRAIN RISER
9	108+71 LT	109+70 LT	DR-303, Type 6	Plastic	6	96							1				14		SUBDRAIN RISER
10	108+71 RT	111+36 RT	DR-303, Type 6	Plastic	6	157							2				23		
11	109+70 LT	111+36 LT	DR-303, Type 6	Plastic	6	163							1				24		SUBDRAIN RISER
12	111+36 LT	111+56 LT	DR-303, Type 6	Plastic	6	21							1				3		CAP
13	111+36 RT	111+65 RT	DR-303, Type 6	Plastic	6	56							1				8		SUBDRAIN RISER
14	111+59 LT	111+62 LT	DR-303, Type 6	Plastic	6	16							1				2		CAP
15	111+95 RT	112+24 RT	DR-303, Type 6	Plastic	6	56							1				8		SUBDRAIN RISER
16	112+05 LT	112+25 LT	DR-303, Type 6	Plastic	6	19							1				3		CAP
17	112+24 RT	113+49 RT	DR-303, Type 6	Plastic	6	126							1				19		SUBDRAIN RISER
18	112+25 LT	113+49 LT	DR-303, Type 6	Plastic	6	122							1				18		SUBDRAIN RISER
19	113+49 LT	115+08 LT	DR-303, Type 6	Plastic	6	155							1				23		SUBDRAIN RISER
20	113+49 RT	115+08 RT	DR-303, Type 6	Plastic	6	155							1				23		SUBDRAIN RISER
21	115+08 LT	115+40 LT	DR-303, Type 6	Plastic	6	33							1				5		CAP
22	115+08 RT	115+44 RT	DR-303, Type 6	Plastic	6	65							1				10		SUBDRAIN RISER
23	115+44 LT	115+47 LT	DR-303, Type 6	Plastic	6	16							1				2		CAP
24	115+77 RT	116+04 RT	DR-303, Type 6	Plastic	6	54							1				8		SUBDRAIN RISER
25	115+80 LT	116+04 LT	DR-303, Type 6	Plastic	6	25							1				4		CAP
26	116+04 LT	116+78 LT	DR-303, Type 6	Plastic	6	72							2				11		
27	116+04 RT	120+24 RT	DR-303, Type 6	Plastic	6	446							1				66		SUBDRAIN RISER
28	116+78 LT	120+26 LT	DR-303, Type 6	Plastic	6	344							2				51		
29	120+26 LT	122+40 LT	DR-303, Type 6	Plastic	6	210							2				31		
30	120+56 RT	122+40 RT	DR-303, Type 6	Plastic	6	212							1				31		SUBDRAIN RISER
31	122+40 LT	122+62 LT	DR-303, Type 6	Plastic	6	21							1				3		SUBDRAIN RISER
32	122+40 RT	122+62 RT	DR-303, Type 6	Plastic	6	21							1				3		SUBDRAIN RISER
				TOTALS:		3984							37				604		TOTAL SUBDRAIN CLEANOUTS: 21

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WATERMAIN CONSTRUCTION																	
STATION	OFFSET	4" INSULATION (3.56 SY)	4" GATE VALVE & BOX	6" GATE VALVE & BOX	HYDRANT ASSEMBLY	HYDRANT FLANGE ELEVATION	YARD HYDRANT ASSEMBLY	YARD HYDRANT FLANGE ELEVATION	6" CROSS (72 LB)	6"x45° BEND (37 LB)	6"x11.25° BEND (31 LB)	6"x4" REDUCER (22 LB)	6" X 6" TEE (63 LB)	6" THREADED PLUG (16 LB)	6" WATERMAIN (1)	CONNECT TO EXIST WATERMAIN	NOTES
		(SY)	(EACH)	(EACH)	(EACH)		(EACH)		(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(LF)	(EACH)	
104+14	31' R			1											66	1	
104+80	15' R	3.56															
104+80	45' L		1								2	1			77	1	
104+80	32' R			1					1						13		
104+80	48' R		1									1				1	
104+90	32' R	3.56															
104+98	24' R				1	1435.12									18		
108+27	36' R			1	1	1434.89									329		
109+53	31' L			1											126		
109+53	18' R	3.56															
109+53	27' R												1	1	80		
110+93	31' L			1											140		
110+93	18' R	3.56															
110+93	27' R												1	1	63		
111+52	24' R			1	1	1433.69									59		
115+26	27' R			1											378		
115+26	32' L												1	1	57		
115+32	32' L				1	1433.85									21		
115+51	27' R			1					1						272		
115+51	15' L	3.56															
115+51	45' R		1									1				1	
115+52	48' L		1									1			190	1	
116+03	22' R			1						1						1	
119+86	21' R			1						2					31	1	
119+95	29' R				1	1436.57									11		
120+18	36' L			1							1				67	1	
120+18	14' L	3.56															
120+19	20' R								1								
120+19	44' R			1												1	
120+87	20' R						1	1436.33							68		
	TOTALS	21	4	12	5		1		3	3	3	4	3	3	2066	9	
	TOTAL WEIGHTS:								216	111	93	88	189	48			FITTINGS WEIGHT= 745LB

(1) TRENCH FOUNDATION TO BE USED AS NEEDED

WATER SERVICES				
STATION OFFSET (FROM CENTERLINE)	ADDRESS	1" PE SERVICE	1" CORP STOP, CURB STOP, AND BOX	NOTES
		LF	EA	
38' R	507 ONEIDA ST	11	1	(1)
38' R	515 ONEIDA ST	16	1	(1)
38' R	517 ONEIDA ST	17	1	(1)
38' R	519 ONEIDA ST	19	1	(1)
38' R	521 ONEIDA ST	18	1	(1)
38' R	525 ONEIDA ST	18	1	(1)
38' R	529 ONEIDA ST	17	1	(1)
38' R	533 ONEIDA ST	16	1	(1)
38' R	501 E 5TH ST	20	1	(1)
38' R	605 ONEIDA ST	16	1	(1)
38' R	609 ONEIDA ST	15	1	(1)
38' R	615 ONEIDA ST	16	1	(1)
	TOTALS	199	12	

(1) CONTRACTOR SHALL REDUCE WATER SERVICE SIZE TO EXISTING SERVICE LINE AT THE OLD CURB STOP LOCATION.

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Paved Drives										
Location		Address	Back of Curb Length	Length at tie in	Width	Area	Special Compactio n	Modified Subbase	PCC Area	Remarks
Station	Side		FT	FT	FT	SF	SY	CY	SY	
101+87	RT	403 & 409 Oneida St.	52.3	45.7	10.9	535	59	5	59.4	
102+59	LT	410 Oneida St.	17.6	11.6	14.1	191	21	2	21.2	
102+70	RT	413 Oneida St.	22.4	16.0	13.9	256	28	2	28.5	
103+48	RT	415 & 419 Oneida St.	42.0	36.0	34.5	1252	139	12	139.1	
103+67	LT	410 Oneida St.	132.5	127.0	14.6	1905	212	18	211.7	
105+79	RT	507 Oneida St.	26.5	20.5	29.2	629	70	6	69.8	
106+08	LT	522 Oneida St.	39.9	33.9	23.4	825	92	8	91.7	
106+46	RT	515 Oneida St.	23.1	17.1	29.4	531	59	5	59.0	
107+08	RT	517 Oneida St.	17.6	11.6	29.5	374	42	3	41.6	
107+95	RT	519 Oneida St.	29.1	23.1	19.7	484	54	4	53.8	
108+45	LT	522 Oneida St.	25.8	19.8	18.1	387	43	4	43.0	
108+59	RT	521 Oneida St.	24.8	18.8	10.0	218	24	2	24.2	
108+83	RT	525 Oneida St.	24.1	18.1	10.0	211	23	2	23.4	
109+21	LT	528 Oneida St.	17.8	11.8	34.5	436	48	4	48.4	
109+39	RT	529 Oneida St.	20.0	14.0	12.1	199	22	2	22.2	
109+85	LT	540 Oneida St.	22.8	16.8	34.4	608	68	6	67.6	
110+00	RT	533 Oneida St.	23.8	17.8	29.8	561	62	5	62.3	
110+75	LT	540 Oneida St.	100.9	94.9	varies	1932	215	18	214.7	No Curb Cut to Oneida
110+79	RT	539 Oneida St.	15.9	9.9	30.1	329	37	3	36.5	
113+22	RT	605 Oneida St.	16.9	10.9	24.2	292	32	3	32.5	
113+70	LT	425 E. 5th St.	301.5	301.5	28.0	8558	951	79	950.9	
113+93	RT	609 Oneida St.	16.7	10.7	21.1	260	29	2	28.9	
114+50	RT	615 Oneida St.	18.2	12.2	21.2	289	32	3	32.1	
116+56	RT	707 Oneida St.	16.9	10.9	21.7	262	29	2	29.2	
117+38	RT	711 Oneida St.	29.7	23.7	29.6	732	81	7	81.3	
118+15	RT	713 Oneida St.	18.0	12.0	20.9	280	31	3	31.1	
118+69	RT	715 Oneida St.	15.3	9.3	10.0	123	14	1	13.7	
119+32	RT	719 Oneida St.	17.8	11.8	14.1	198	22	2	22.0	
121+33	RT	801 Oneida St.	17.9	11.9	28.9	372	41	3	41.3	
121+65	LT	800 Oneida St.	181.7	varies	varies	2190	243	20	243.3	No Curb Cut to Oneida
121+99	RT	805 & 809 Oneida St.	36.4	30.4	28.7	902	100	8	100.2	
						TOTALS:	2925	244	2925	

SIDEWALK PAVEMENT											
Location			Mainline			Total Area By Pavement Thickness		EXCAVATION, CLASS 13	Modified Subbase	DETECTABLE WARNINGS	Remarks
Station to Station		Side	Width	Length	Area	SY					
				FT	FT	SY	5"	6"	CY	CY	SF
104+30.72	104+55.42	R	VARIES	24.7	13.0		13.0	0.2	1.1	9.0	
104+85.63	105+09.21	R	VARIES	VARIES	28.0		28.0	0.3	2.3	18.0	
105+03.36	105+09.01	L	VARIES	VARIES	18.0		18.0	0.2	1.5	9.0	
105+87.89	105+99.91	R	4.5	12.0	6.0	6.0		0.9	0.5		
106+54.21	106+65.53	R	4.5	11.3	6.0	6.0		0.9	0.5		
107+34.99	107+45.86	R	4.5	10.9	5.0	5.0		0.7	0.4		
107+57.13	107+69.13	R	4.5	12.0	6.0	6.0		0.9	0.5		
108+81.59	108+93.61	R	4.5	12.0	6.0	6.0		0.9	0.5		
109+68.11	109+80.11	R	4.5	12.0	6.0	6.0		0.9	0.5		
110+30.28	110+42.28	R	4.5	12.0	6.0	6.0		0.9	0.5		
110+86.99	110+98.99	L	4.5	12.0	6.0	6.0		0.9	0.5		
111+25.86	111+40.92	L	4.5	15.1	8.0	8.0		1.2	0.7		
111+40.92	111+45.38	L	15.1	4.5	7.0	7.0		1.0	0.6		
111+40.92	111+45.91	L	VARIES	VARIES	11.0		11.0	0.1	0.9	9.0	
111+40.34	111+65.69	R	VARIES	VARIES	29.0		29.0	0.3	2.4	18.0	
111+94.69	112+19.51	R	VARIES	VARIES	28.0		28.0	0.3	2.3	18.0	
112+14.52	112+19.01	R	4.5	4.5	2.0	2.0		0.3	0.2		
112+19.01	112+23.51	R	4.5	4.5	2.0	2.0		0.3	0.2		
112+14.44	112+19.02	L	VARIES	VARIES	18.0			0.1	1.5	9.0	
112+45.52	113+14.37	R	4.5	68.9	34.0	34.0		5.0	2.8		
113+57.64	113+69.64	R	4.5	12.0	6.0	6.0		0.9	0.5		
114+07.79	114+19.79	R	4.5	12.0	6.0	6.0		0.9	0.5		
115+20.25	115+44.82	R	VARIES	VARIES	28.0		28.0	0.3	2.3	18.0	
115+20.82	115+25.11	L	VARIES	VARIES	13.0		13.0	0.2	1.1	9.0	
115+75.82	115+99.47	R	VARIES	VARIES	27.0		27.0	0.3	2.3	18.0	
115+94.39	116+00.31	L	VARIES	VARIES	8.0		8.0	0.1	0.7	9.0	
119+99.36	120+04.37	L	4.5	5.0	3.0	3.0		0.4	0.3		
119+99.87	120+04.37	R	4.5	4.5	2.0	2.0		0.3	0.2		
120+04.37	120+27.22	L	VARIES	VARIES	19.0		19.0	0.2	1.6	18.0	
120+04.37	120+24.47	R	VARIES	VARIES	25.0		25.0	0.3	2.1	18.0	
120+55.46	120+79.73	R	VARIES	VARIES	27.0		27.0	0.3	2.3	18.0	
120+59.37	120+80.39	L	VARIES	VARIES	24.0		24.0	0.3	2.0	18.0	
					TOTALS:	117.0	298.0	20.6	36.1	216.0	

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POLLUTION PREVENTION PLAN

This Data Entry Sheet fills Tab 110-12L effective 10-20-20

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 during construction, 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 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. If consultant designed, signature from Contracting Authority is also required.
- 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 as defined in Section 2602 of the Standard Specifications.
 3. Submits an Erosion Control Implementation Plan (ECIP) and ECIP updates according to Section 2602 of the Standard Specifications.
 4. Installs and maintains appropriate controls. This work may be subcontracted as documented through Subcontractor Request Forms (Form 830231).
 5. Supervises and implements good housekeeping practices according to Paragraph III, C, 2.
 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.
 7. Complies with training and certification requirements of Section 2602 of the Standard Specifications.
- 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; involved in land disturbing activities; or performing work that is a source of potential pollution as defined in this PPP. Subcontracted work items are identified in Subcontractor Request Forms (Form 830231). 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 according to Paragraph III, C, 2.
- D. RCE/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.
 9. Maintains an up-to-date record of contractors, subcontractors, and subcontracted work items through Subcontractor Request Forms (Form 830231).
 10. Makes information to determine permit compliance available to the DNR upon their request.
- E. Inspector:
1. Updates PPP through fieldbook entries and storm water site inspection reports if there is a change in design, construction, operation, or maintenance which has a significant effect on the discharge of pollutants from the project.
 2. Makes information to determine permit compliance available to the DNR upon their request.
 3. Conducts joint required inspections of the site with the contractor/subcontractor.
 4. Completes an inspection report after each inspection.
 5. Is signature authority on storm water inspection reports.

II. PROJECT SITE DESCRIPTION

- A. This Pollution Prevention Plan (PPP) is for the construction of a street and utilities.
- B. This PPP covers approximately 5.0 acres with an estimated 5.0 acres being disturbed. The portion of the PPP covered by this contract has 5.0 acres disturbed.
- C. The PPP is located in an area of Galva - Primghar soil association. The estimated weighted average runoff coefficient number for this PPP after completion will be 0.67.
- D. Storm Water Site Map - Multiple sources of information comprise the base storm water site map including:
1. Drainage Patterns – Plan and Profile sheets and Situation plans.
 2. Proposed Slopes – Cross Sections.
 3. Areas of Soil Disturbance – Construction limits shown on Plan and Profile sheets.
 4. Location of Structural Controls – Tabulations in C sheets.
 5. Locations of Non-structural Controls – Tabulations in C sheets.
 6. Locations of Stabilization Practices – Generally within construction limits shown on Plan and Profile sheets.
 7. Surface Waters (including wetlands) – Project Location Map and Plan and Profile sheets.
 8. Locations where Storm Water is Discharged – 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. For example, silt fence ditch checks will typically not be installed until the ditch has been installed. 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 Strom Lake.

III. CONTROLS

- A. The Contractor's ECIP specified in Article 2602.03 of the Standard Specifications 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. Sections 2601 and 2602 of the Standard Specifications define 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 Article 1109.03 paragraph B of the Standard Specifications.
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 (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation (105-4) in the C sheets.
 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 (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets. Additional information may be found in Tabulations in the C or T sheets or is referenced in Section 2105 of Standard Specifications.
- 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 (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) 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 the B sheets or are referenced in the Standard Road Plans Tabulation (105-4) located in the C sheets.
- 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 (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) 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 Standard Road Plans Tabulation (105-4) 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.

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 inspection.
 2. Summary of the scope of the inspection.
 3. Name and qualifications of the personnel making the inspection.
 4. Review of erosion and sediment control measures within disturbed areas for the effectiveness in preventing impacts to receiving waters.
 5. Major observations related to the implementation of the PPP.
 6. Identification of corrective actions required to maintain or modify erosion and sediment control measures.
- B. Include storm water site 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

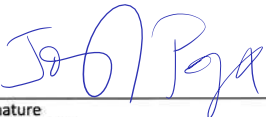
Silts, sediment, and other forms of pollution may be transported onto highway right-of-way (ROW) as a result of a storm event. Potential sources of pollution located outside highway ROW are beyond the control of this PPP. Pollution within highway ROW will be conveyed and controlled per this PPP.

VIII. DEFINITIONS

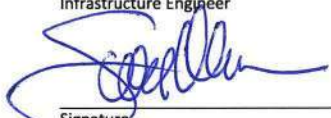
- A. Base PPP - Initial Pollution Prevention Plan.
- B. Amended PPP - Base PPP amended during construcion. May include Plan Revisions or Contract Modifications for new items, storm water site inspection reports, fieldbook entries made by the inspector, amended PPP site map by the Contractor, ECIP, NOI, co-permittee certifications, and Subcontractor Request Forms. Items amending the PPP are stored electronically and are readily available upon request.
- C. Fieldbook Entries – 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
Josh Pope, P.E.
Infrastructure Engineer



Signature
Scott Olesen
Water Quality and Code Compliance Director

ENGLISH

IOWA DOT

DESIGN TEAM

POPE / BOLTON & MENK INC

CITY OF STORM LAKE

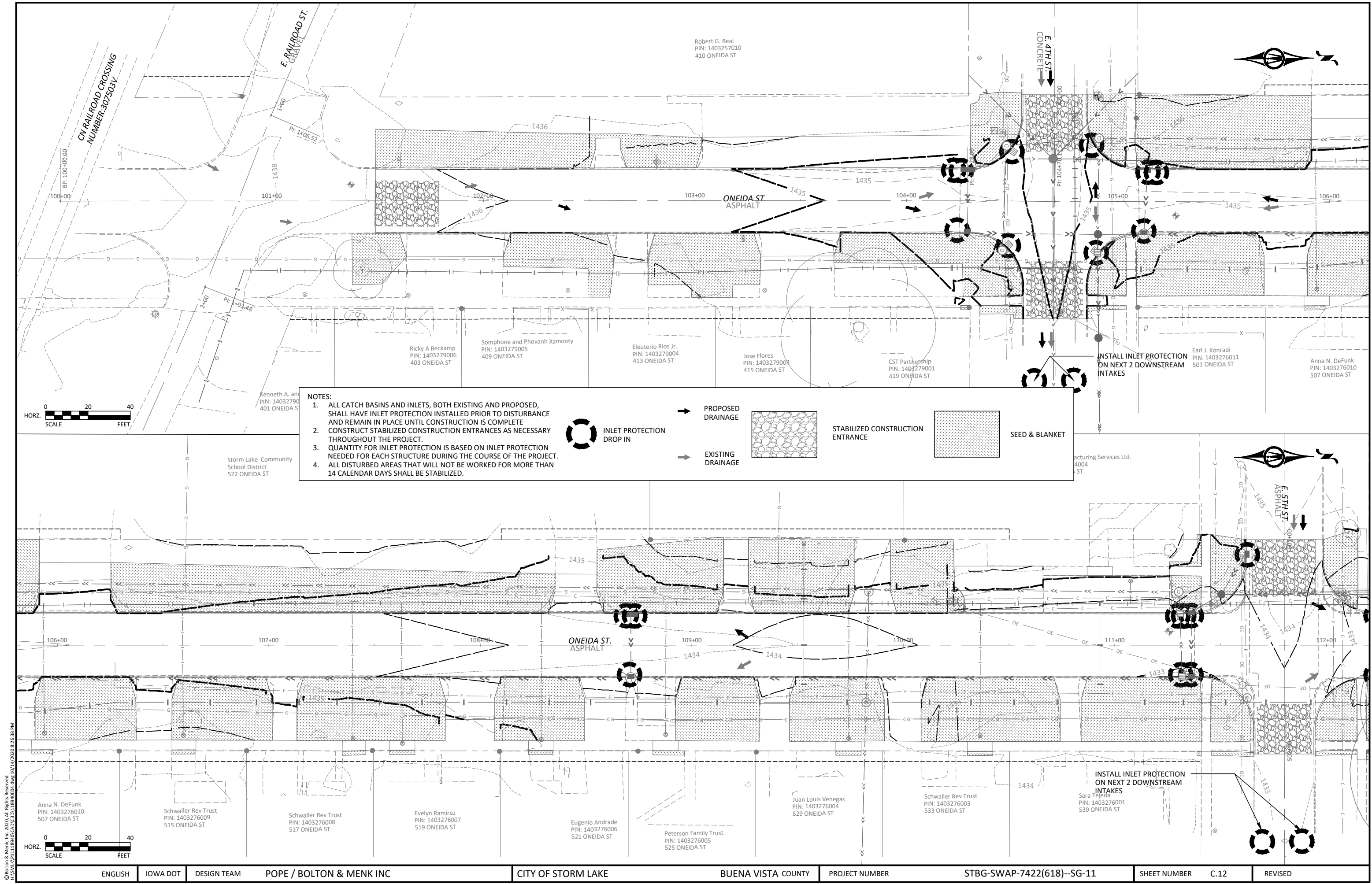
BUENA VISTA COUNTY

PROJECT NUMBER

STBG-SWAP-7422(618)--SG-11

SHEET NUMBER C.11

REVISED



- NOTES:
1. ALL CATCH BASINS AND INLETS, BOTH EXISTING AND PROPOSED, SHALL HAVE INLET PROTECTION INSTALLED PRIOR TO DISTURBANCE AND REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE
 2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES AS NECESSARY THROUGHOUT THE PROJECT.
 3. QUANTITY FOR INLET PROTECTION IS BASED ON INLET PROTECTION NEEDED FOR EACH STRUCTURE DURING THE COURSE OF THE PROJECT.
 4. ALL DISTURBED AREAS THAT WILL NOT BE WORKED FOR MORE THAN 14 CALENDAR DAYS SHALL BE STABILIZED.



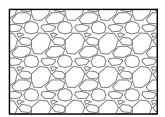
INLET PROTECTION
DROP IN



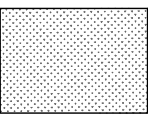
PROPOSED
DRAINAGE



EXISTING
DRAINAGE

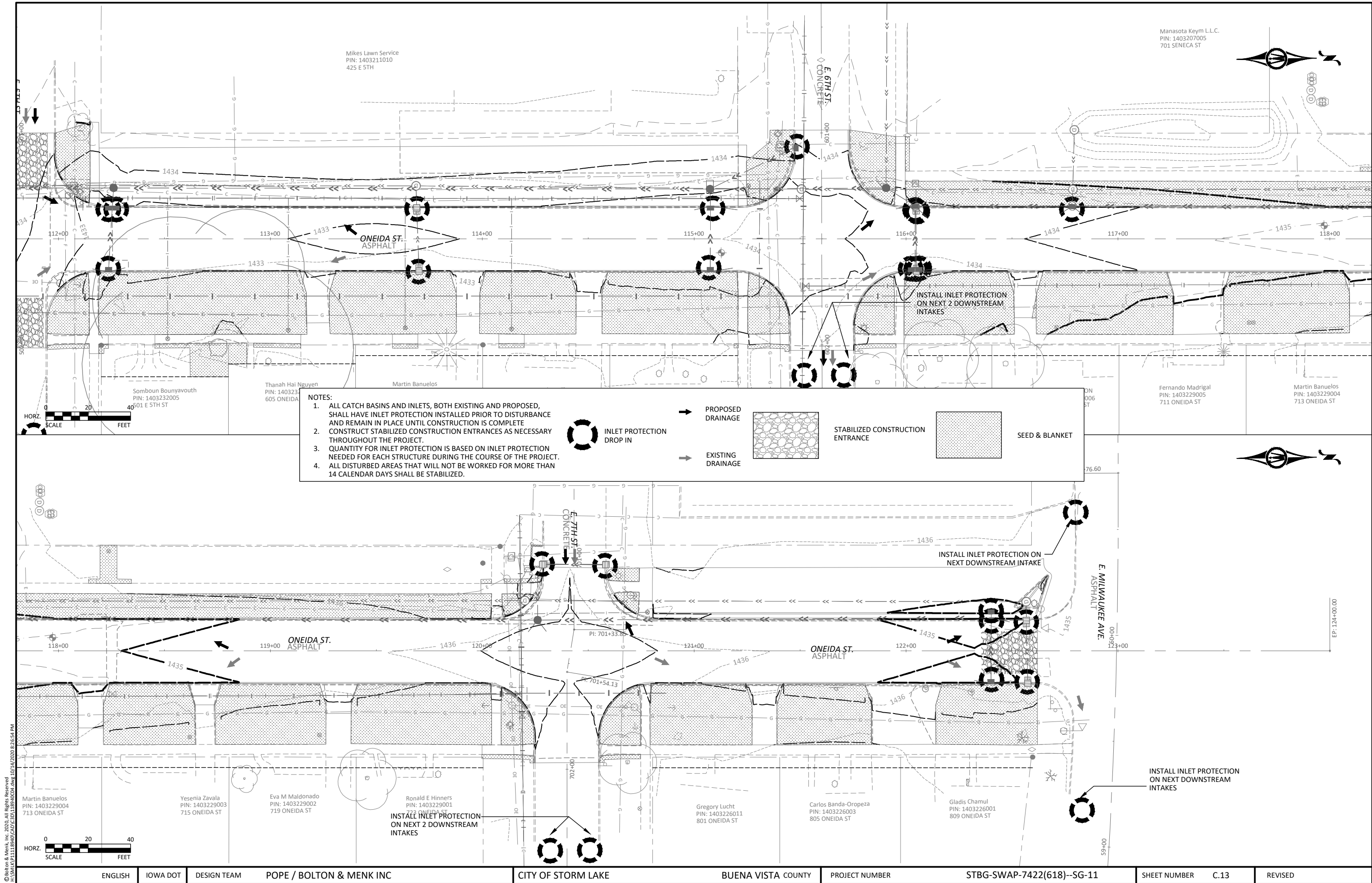


STABILIZED CONSTRUCTION
ENTRANCE



SEED & BLANKET

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ENGLISH

IOWA DOT

DESIGN TEAM

POPE / BOLTON & MENK INC

CITY OF STORM LAKE

BUENA VISTA COUNTY

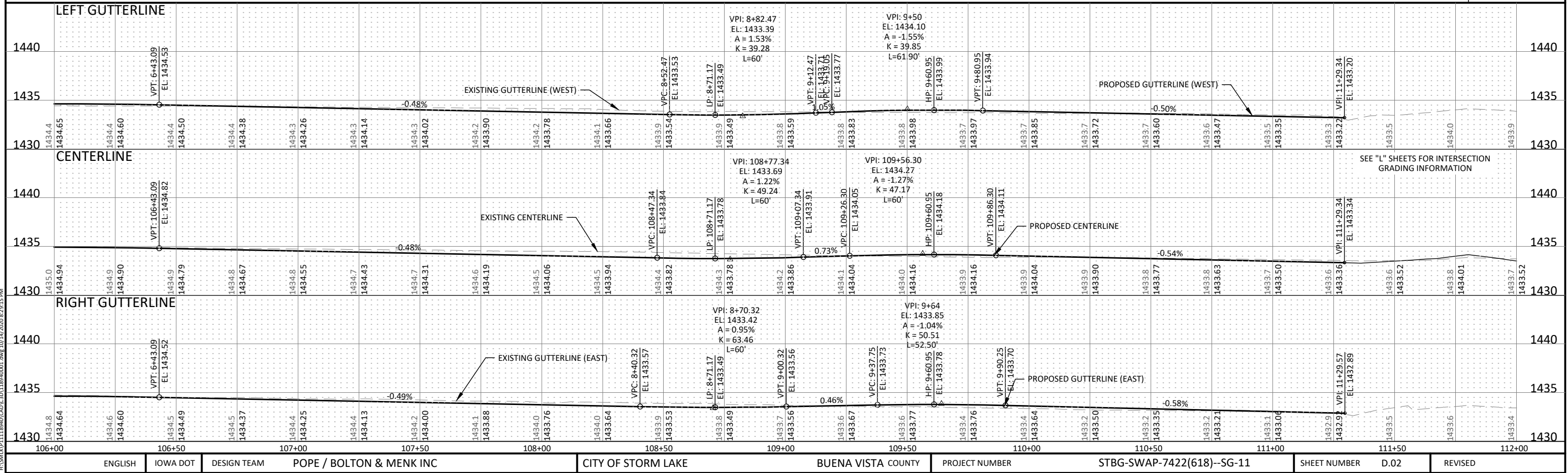
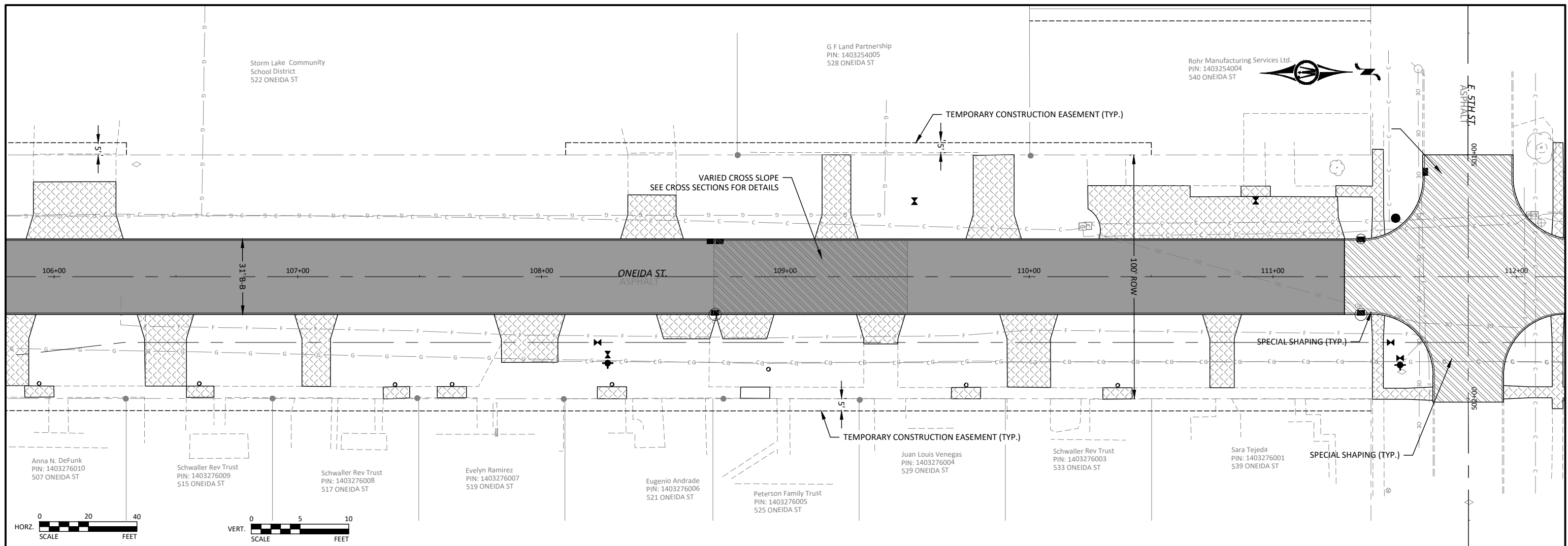
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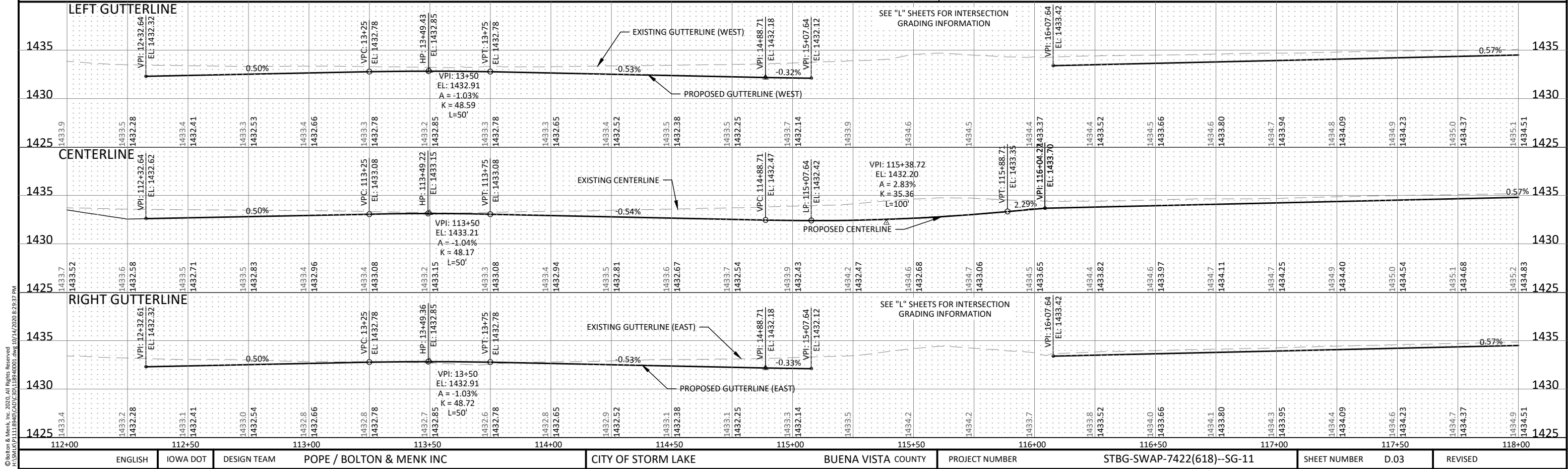
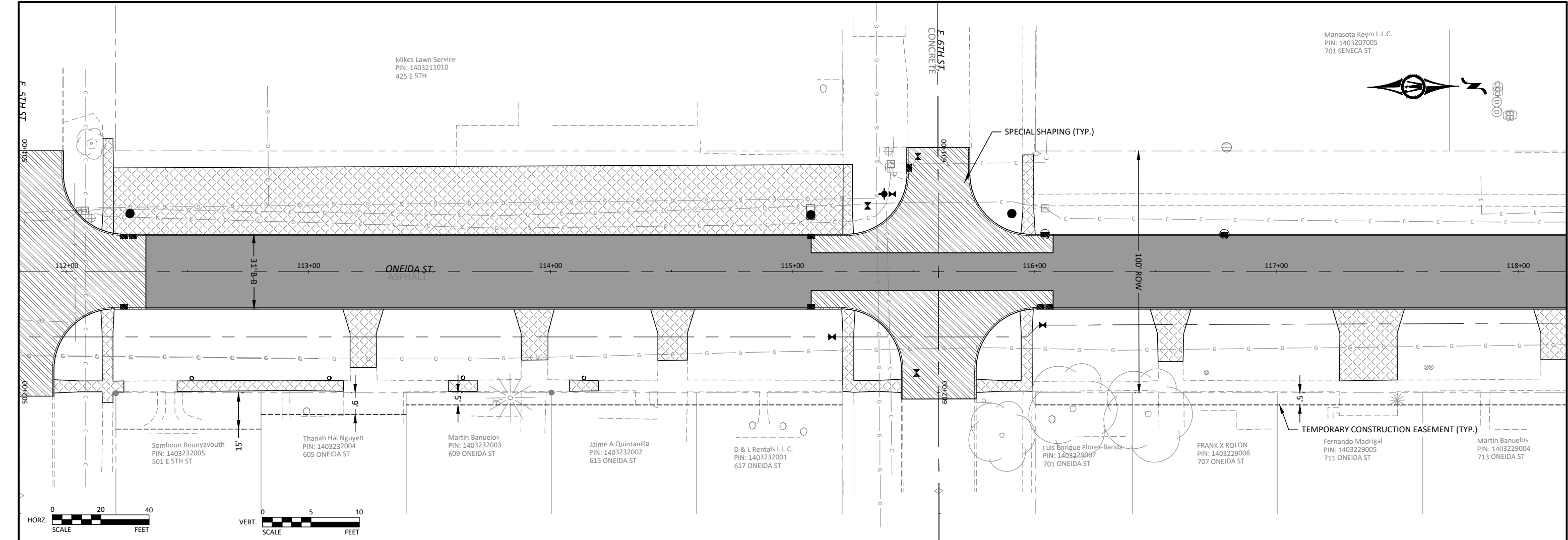
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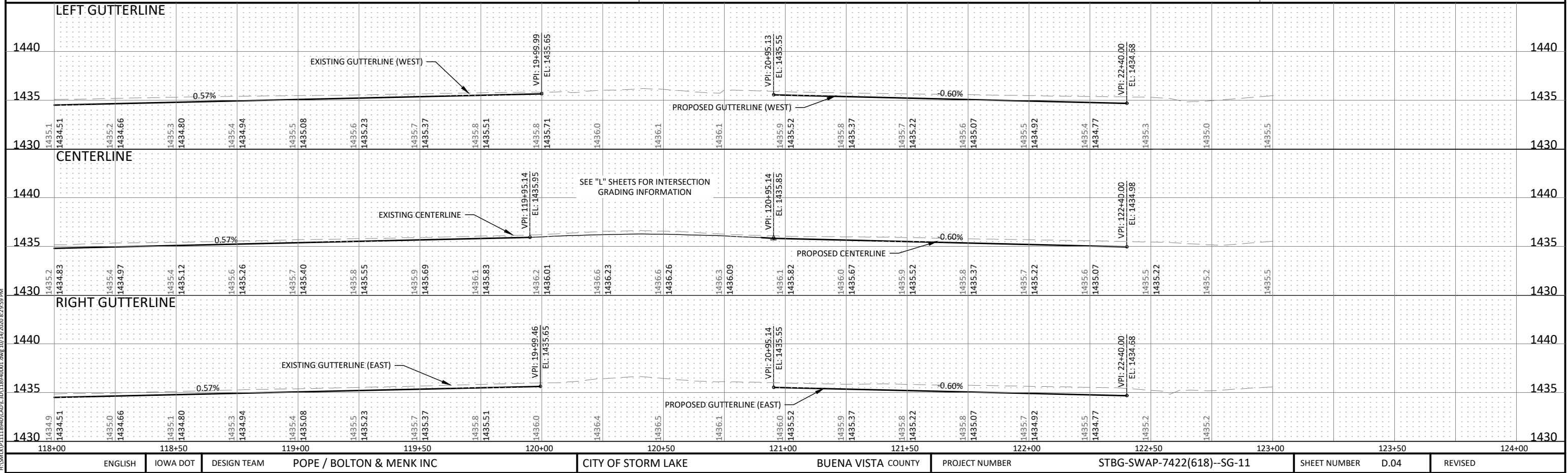
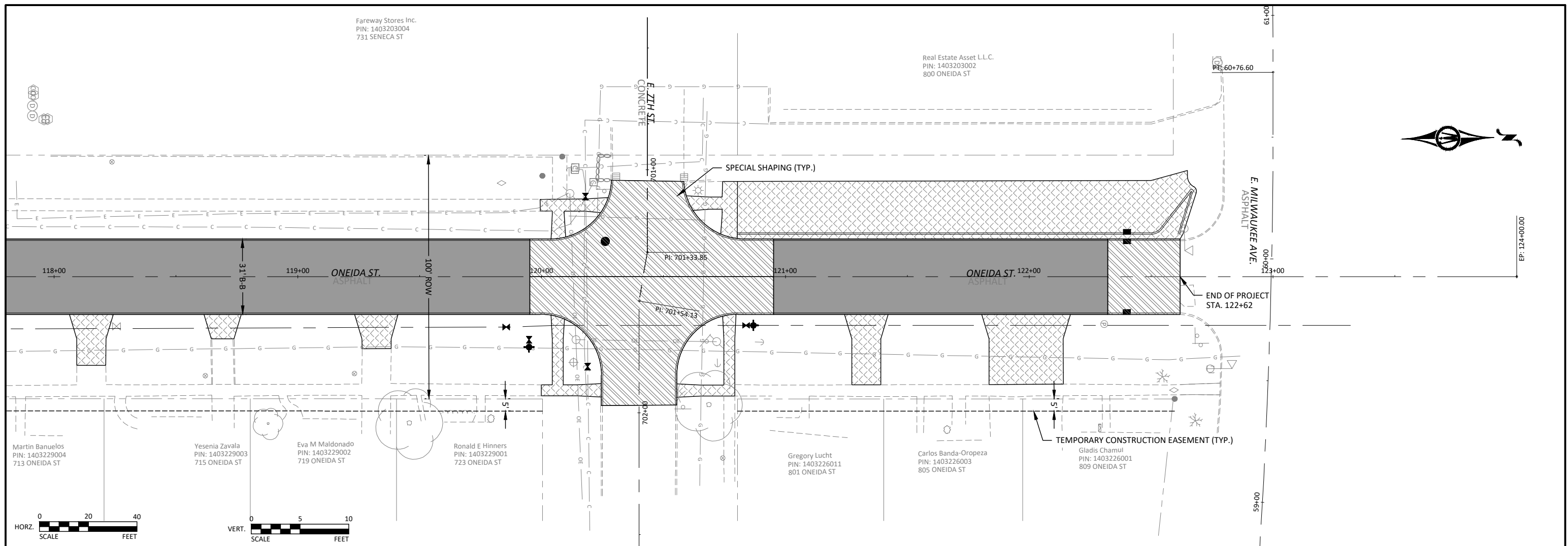
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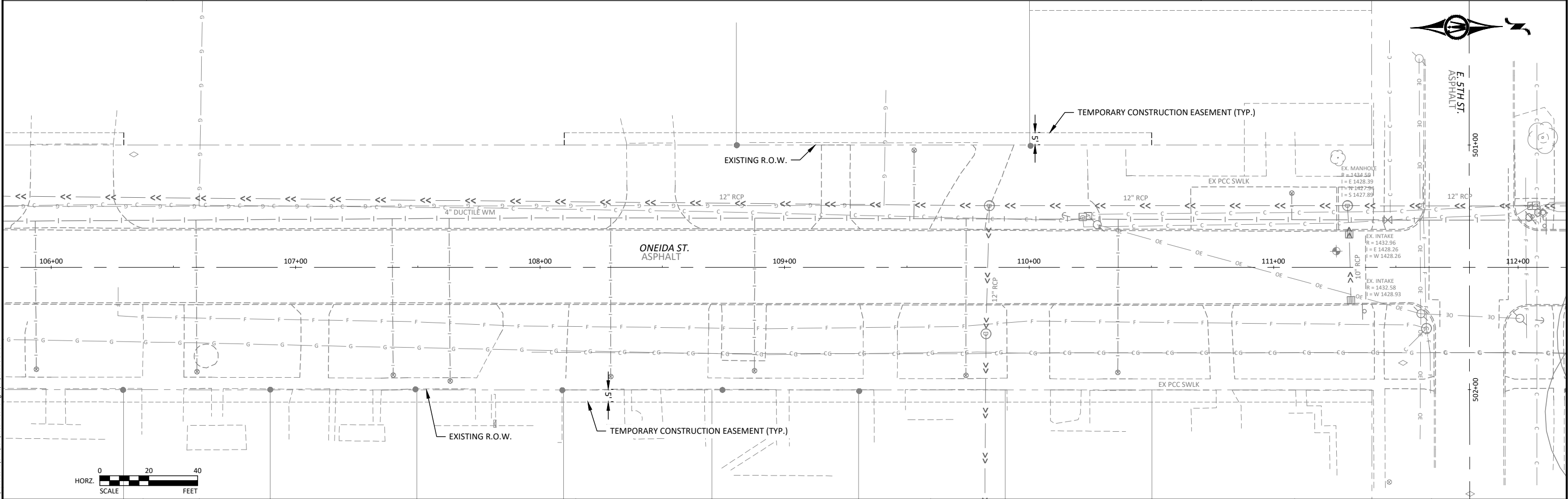
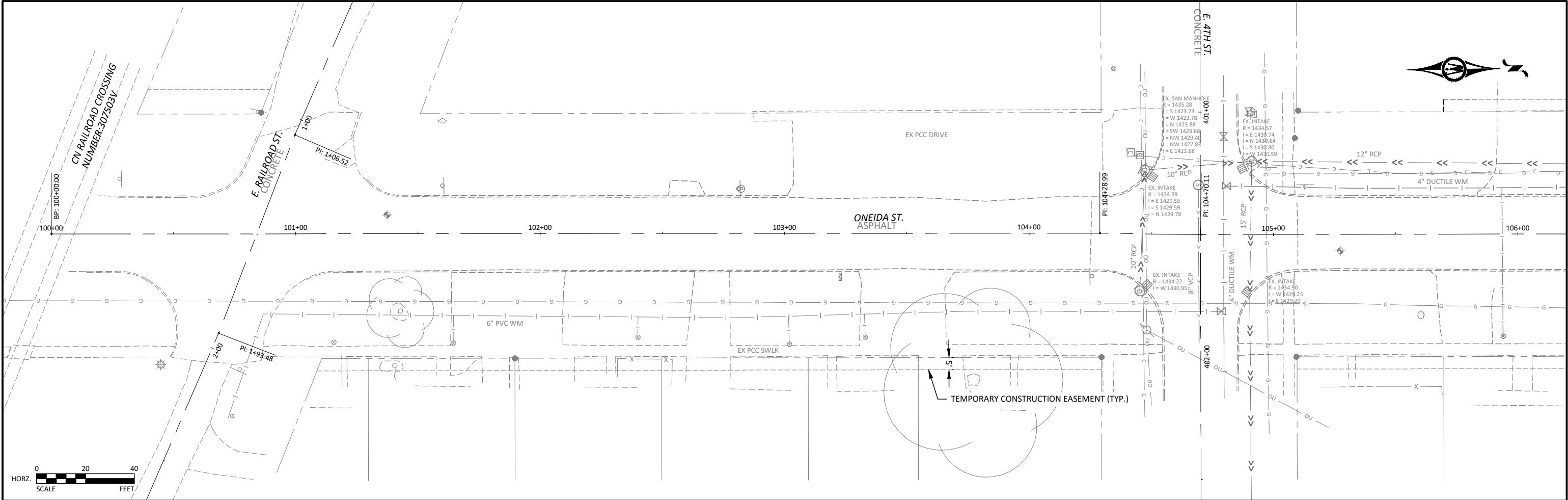
C.13

REVISED



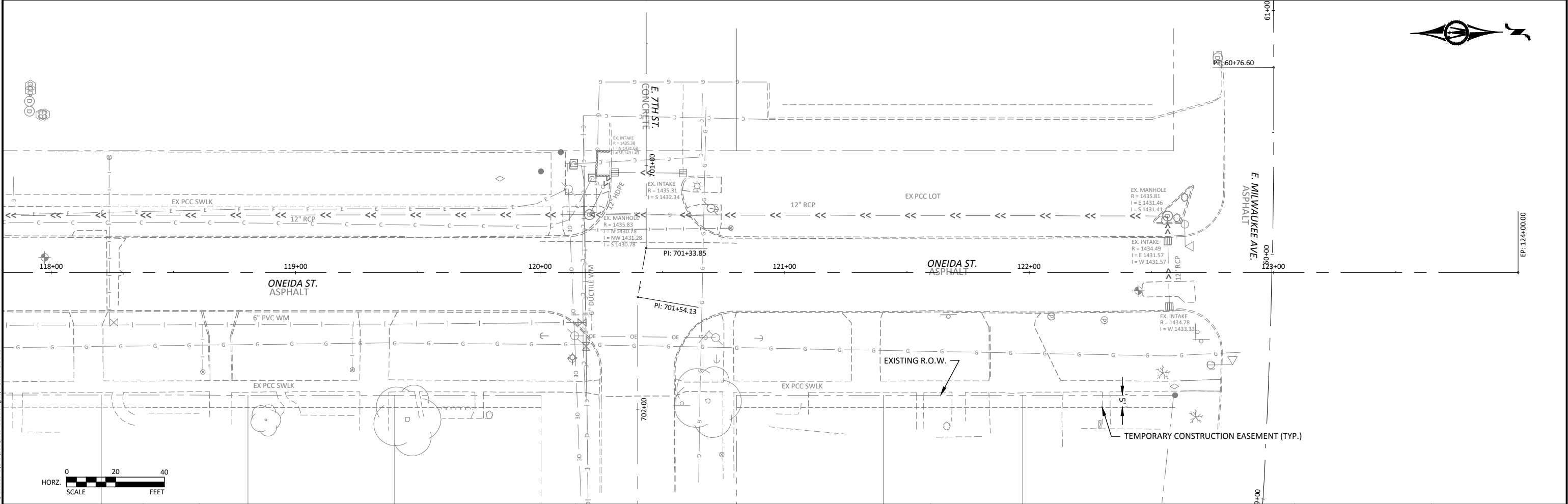
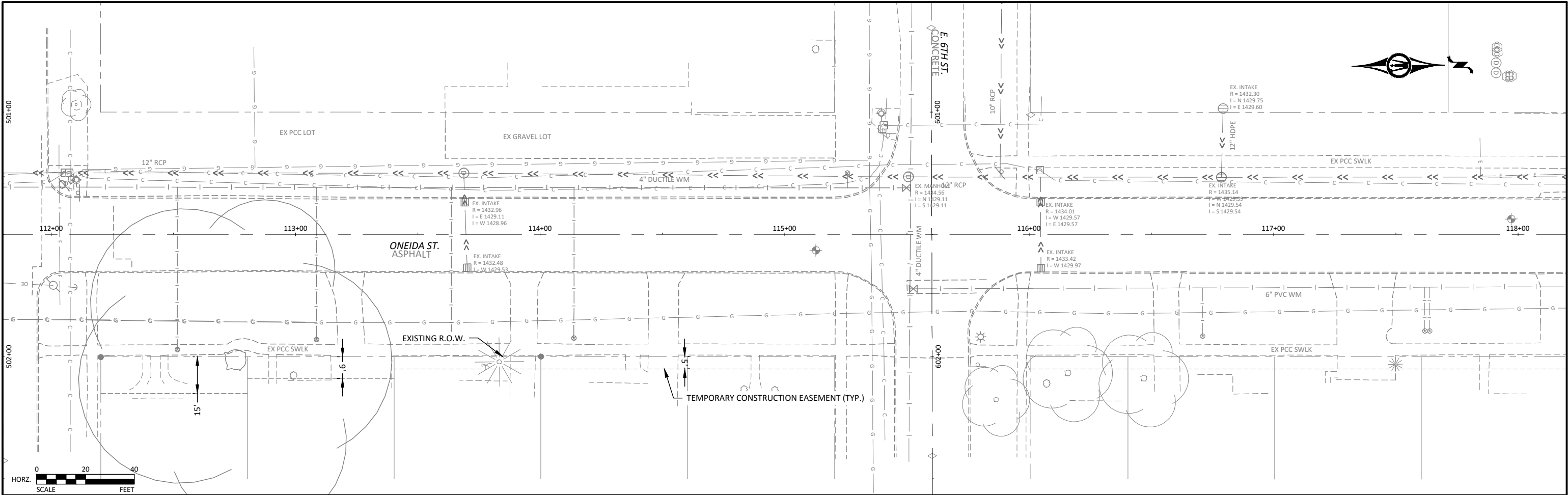




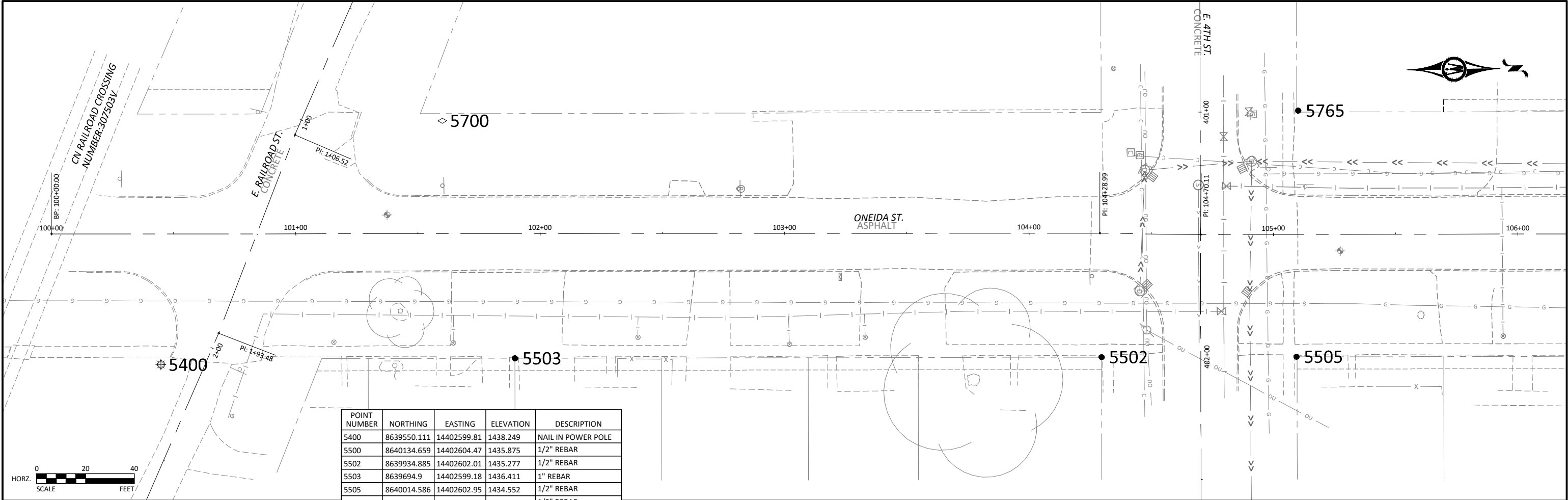


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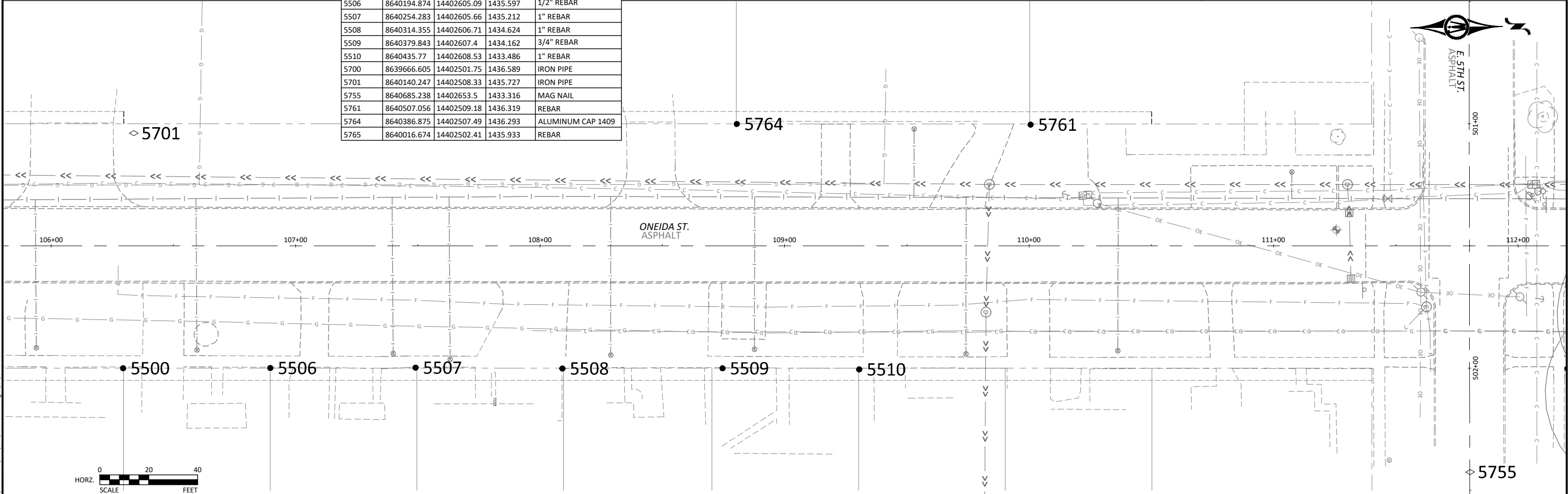
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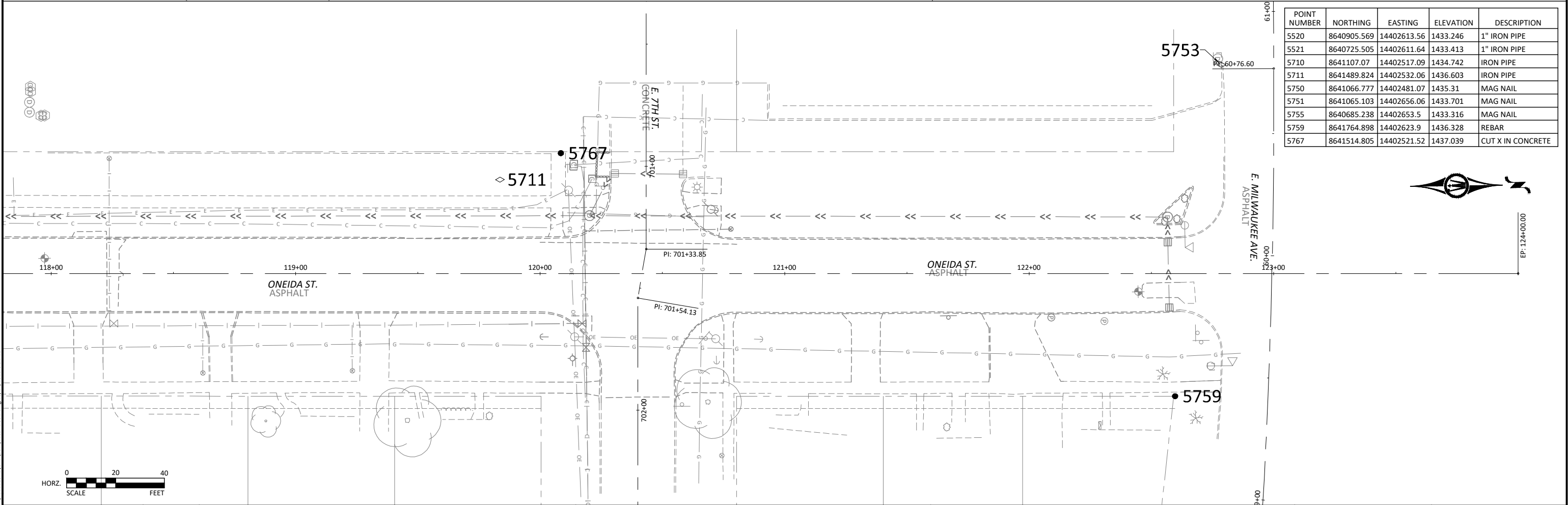
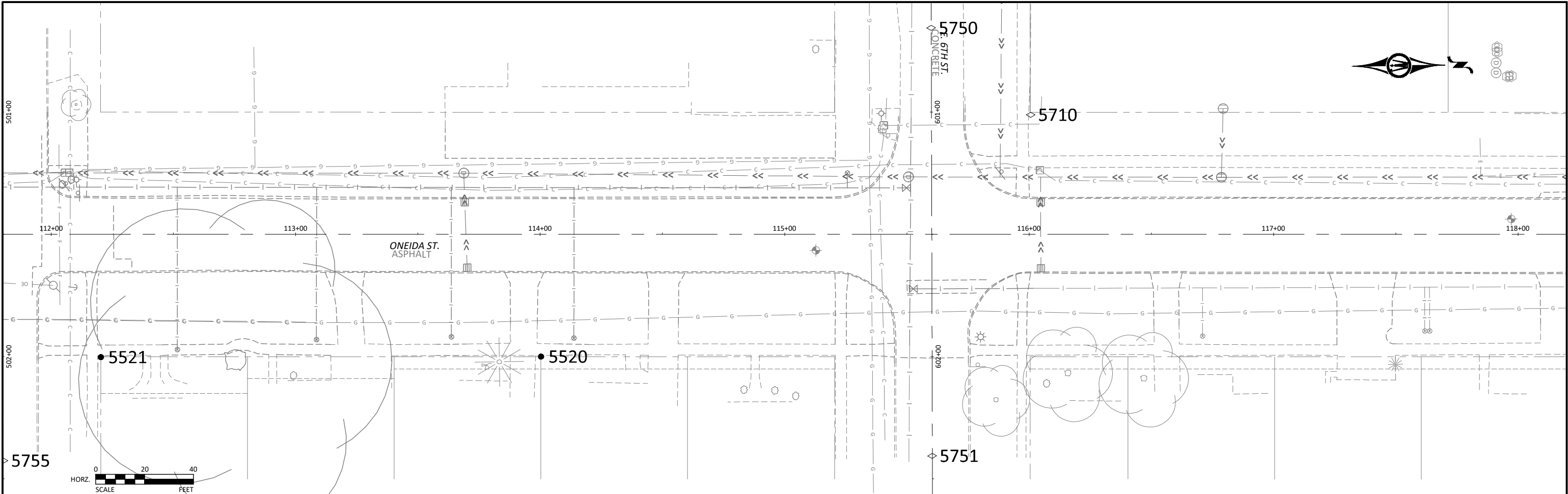
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POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
5400	8639550.111	14402599.81	1438.249	NAIL IN POWER POLE
5500	8640134.659	14402604.47	1435.875	1/2" REBAR
5502	8639934.885	14402602.01	1435.277	1/2" REBAR
5503	8639694.9	14402599.18	1436.411	1" REBAR
5505	8640014.586	14402602.95	1434.552	1/2" REBAR
5506	8640194.874	14402605.09	1435.597	1/2" REBAR
5507	8640254.283	14402605.66	1435.212	1" REBAR
5508	8640314.355	14402606.71	1434.624	1" REBAR
5509	8640379.843	14402607.4	1434.162	3/4" REBAR
5510	8640435.77	14402608.53	1433.486	1" REBAR
5700	8639666.605	14402501.75	1436.589	IRON PIPE
5701	8640140.247	14402508.33	1435.727	IRON PIPE
5755	8640685.238	14402653.5	1433.316	MAG NAIL
5761	8640507.056	14402509.18	1436.319	REBAR
5764	8640386.875	14402507.49	1436.293	ALUMINUM CAP 1409
5765	8640016.674	14402502.41	1435.933	REBAR



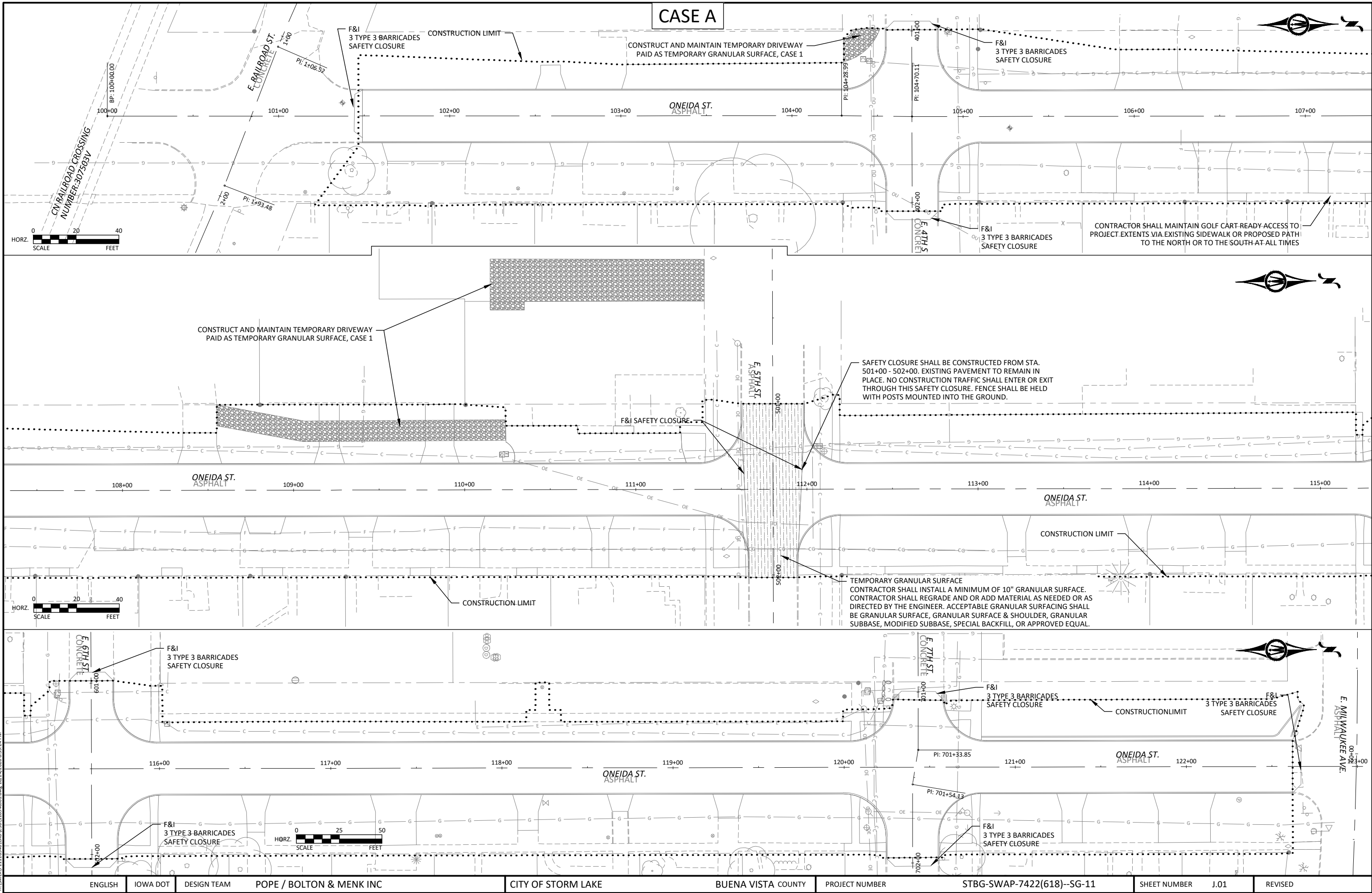
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POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
5520	8640905.569	14402613.56	1433.246	1" IRON PIPE
5521	8640725.505	14402611.64	1433.413	1" IRON PIPE
5710	8641107.07	14402517.09	1434.742	IRON PIPE
5711	8641489.824	14402532.06	1436.603	IRON PIPE
5750	8641066.777	14402481.07	1435.31	MAG NAIL
5751	8641065.103	14402656.06	1433.701	MAG NAIL
5755	8640685.238	14402653.5	1433.316	MAG NAIL
5759	8641764.898	14402623.9	1436.328	REBAR
5767	8641514.805	14402521.52	1437.039	CUT X IN CONCRETE

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CASE A



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ENGLISH

IOWA DOT

DESIGN TEAM
POPE / BOLTON & MENK INC

CITY OF STORM LAKE

BUENA VISTA COUNTY

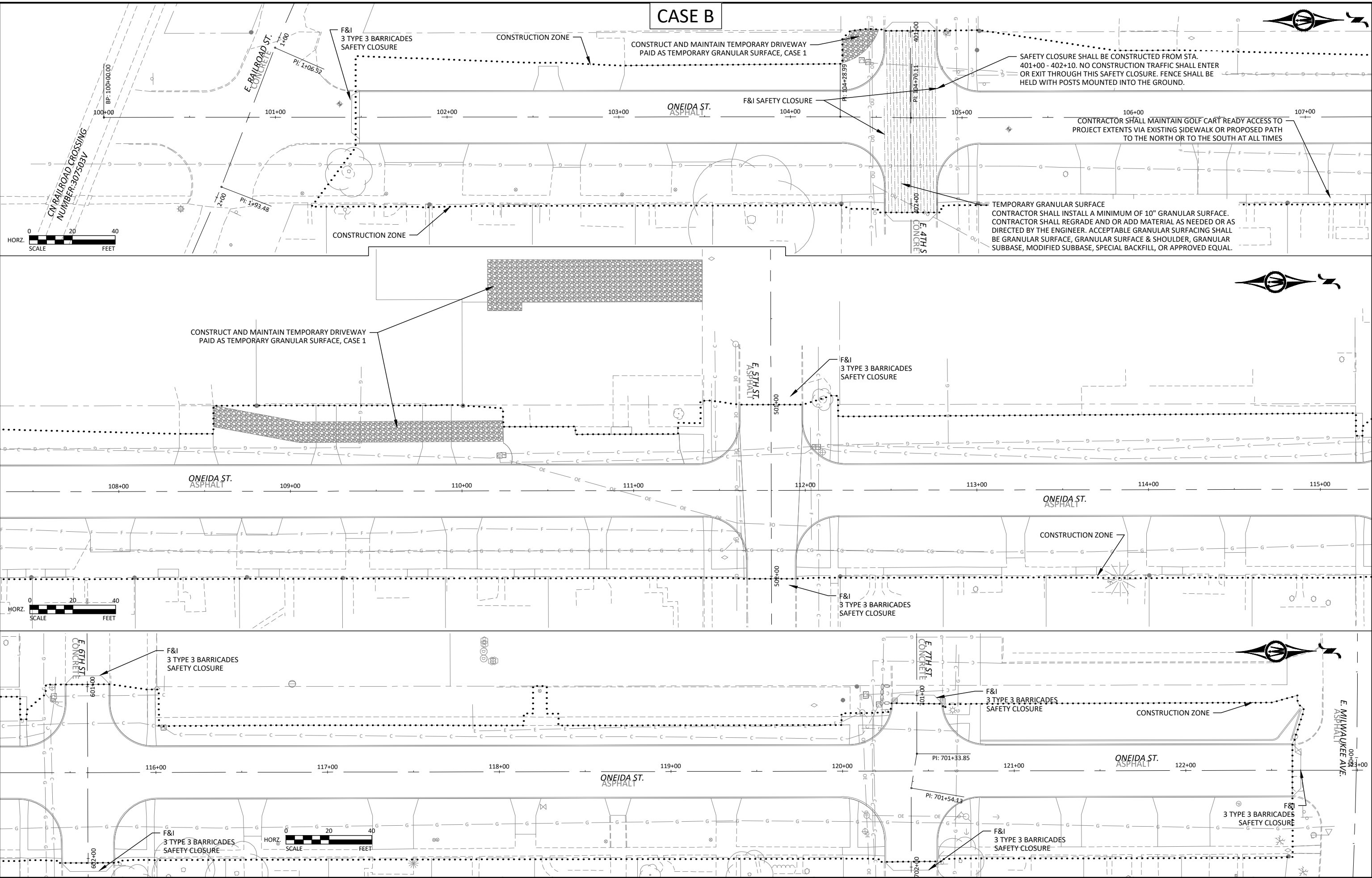
PROJECT NUMBER

STBG-SWAP-7422(618)--SG-11

SHEET NUMBER
J.01

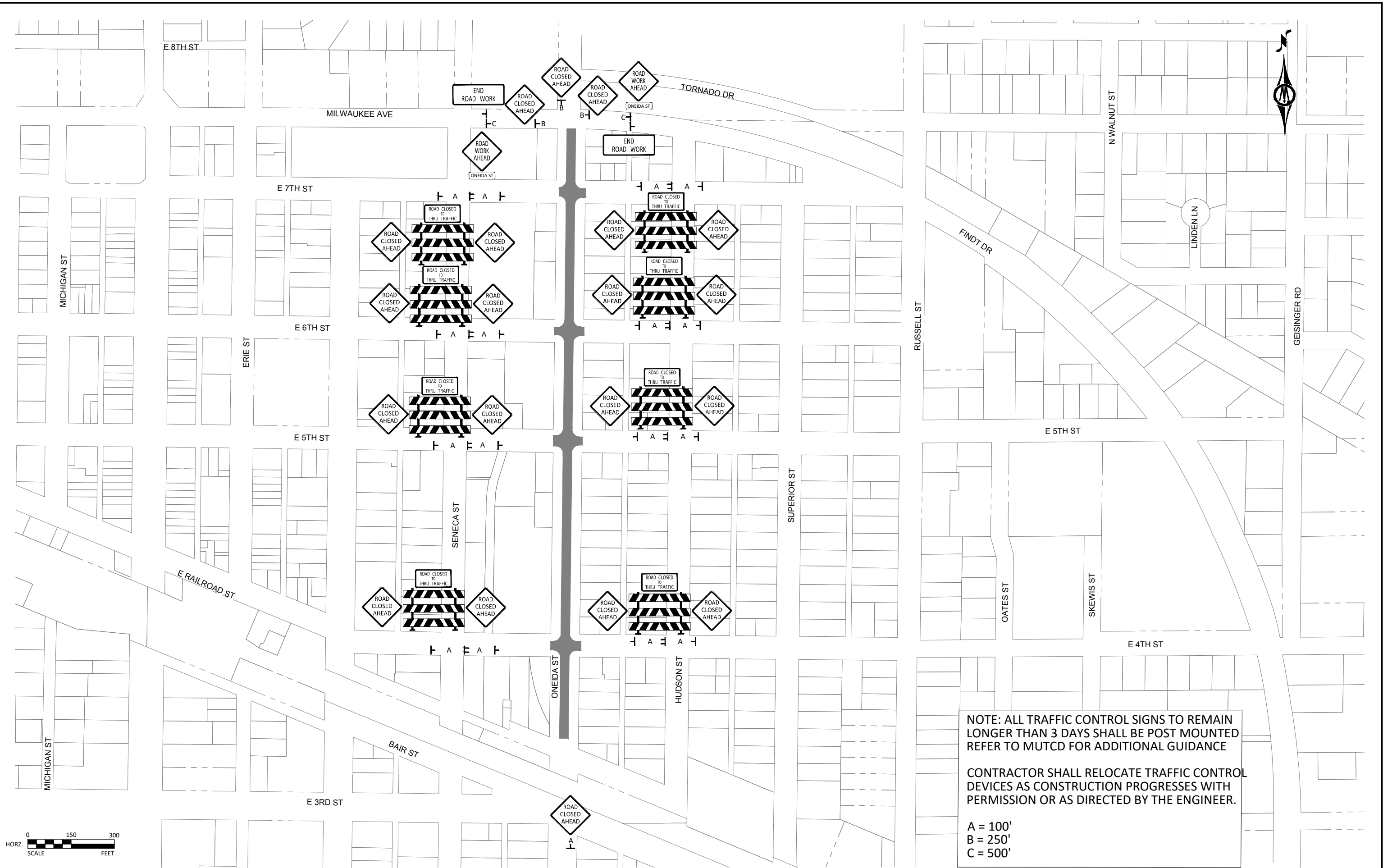
REVISED

CASE B



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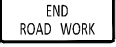
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NOTE: ALL TRAFFIC CONTROL SIGNS TO REMAIN LONGER THAN 3 DAYS SHALL BE POST MOUNTED REFER TO MUTCD FOR ADDITIONAL GUIDANCE

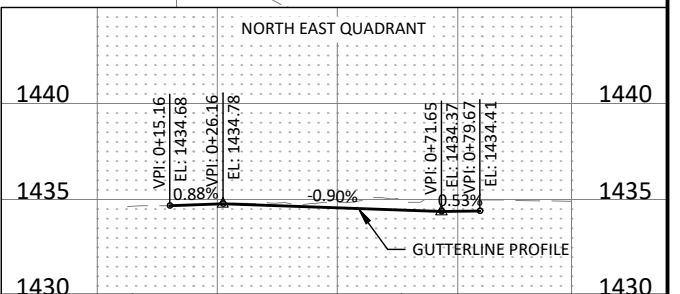
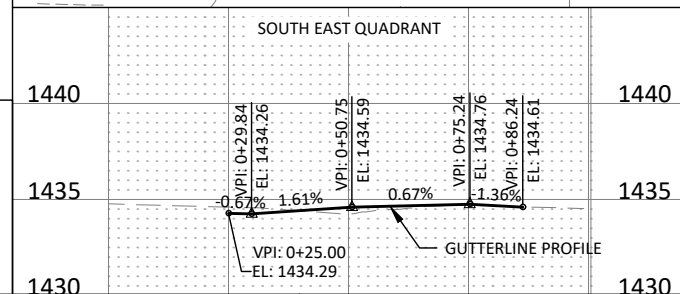
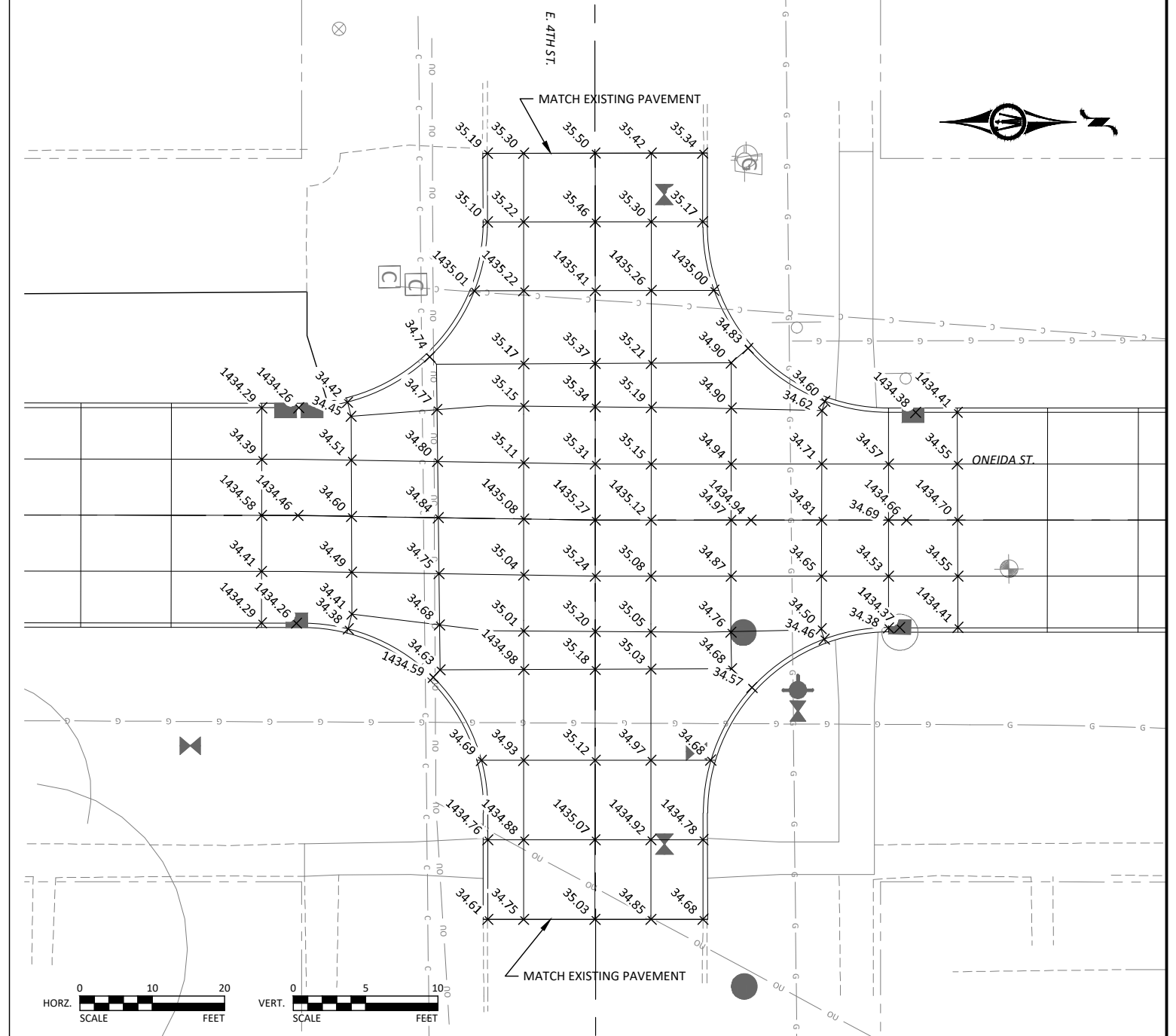
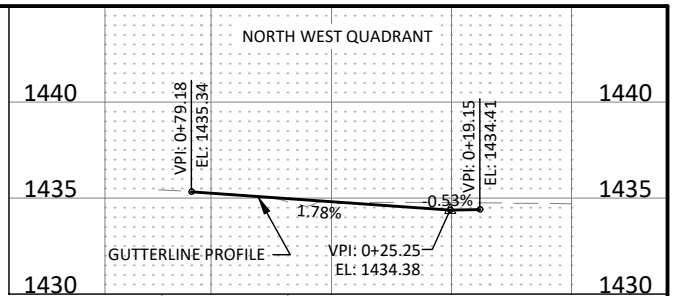
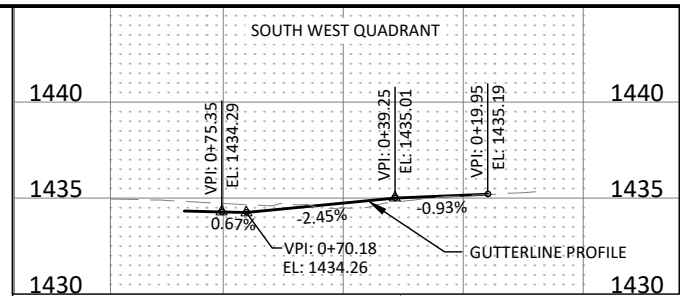
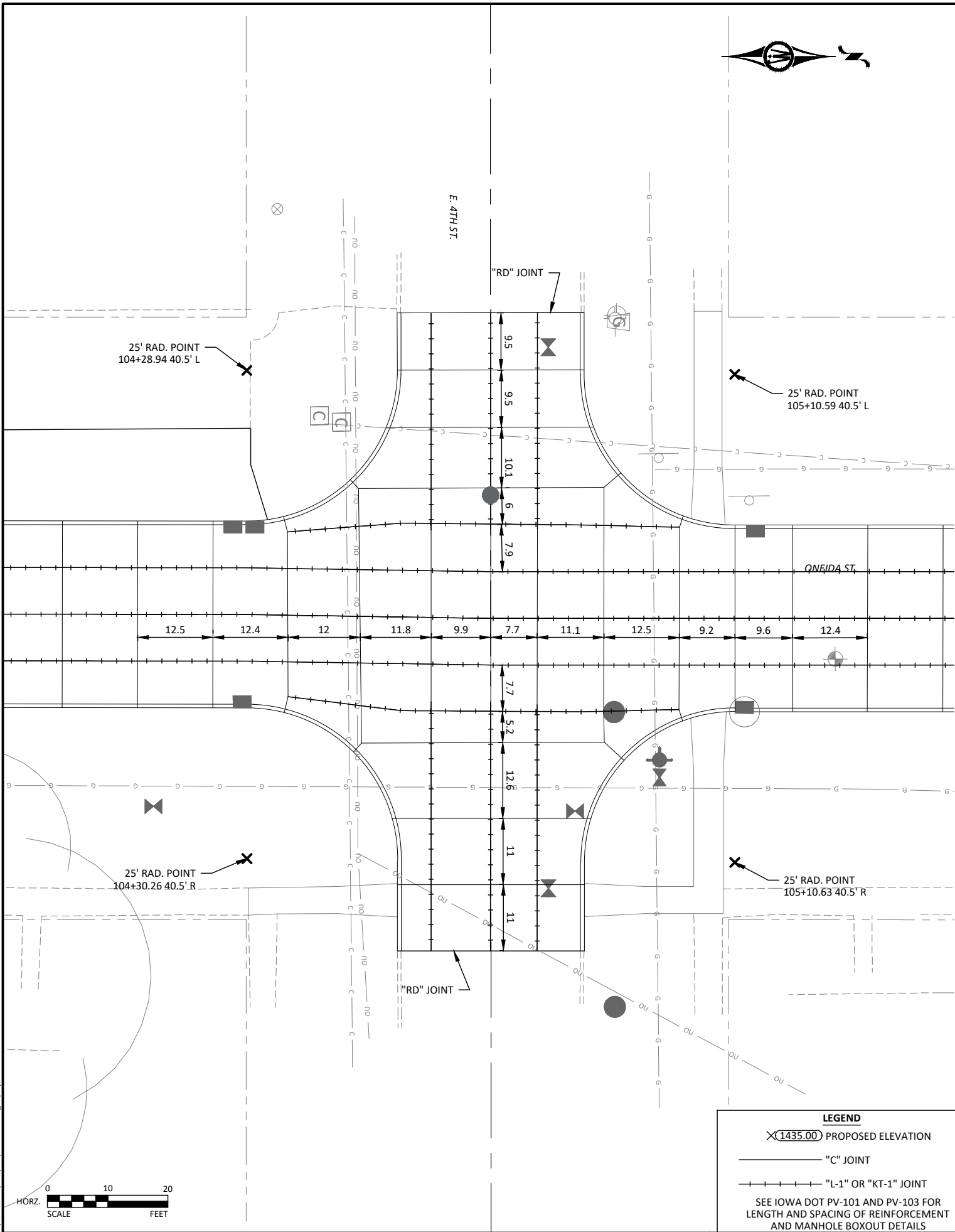
CONTRACTOR SHALL RELOCATE TRAFFIC CONTROL DEVICES AS CONSTRUCTION PROGRESSES WITH PERMISSION OR AS DIRECTED BY THE ENGINEER.

A = 100'
B = 250'
C = 500'

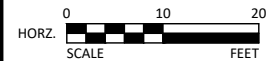
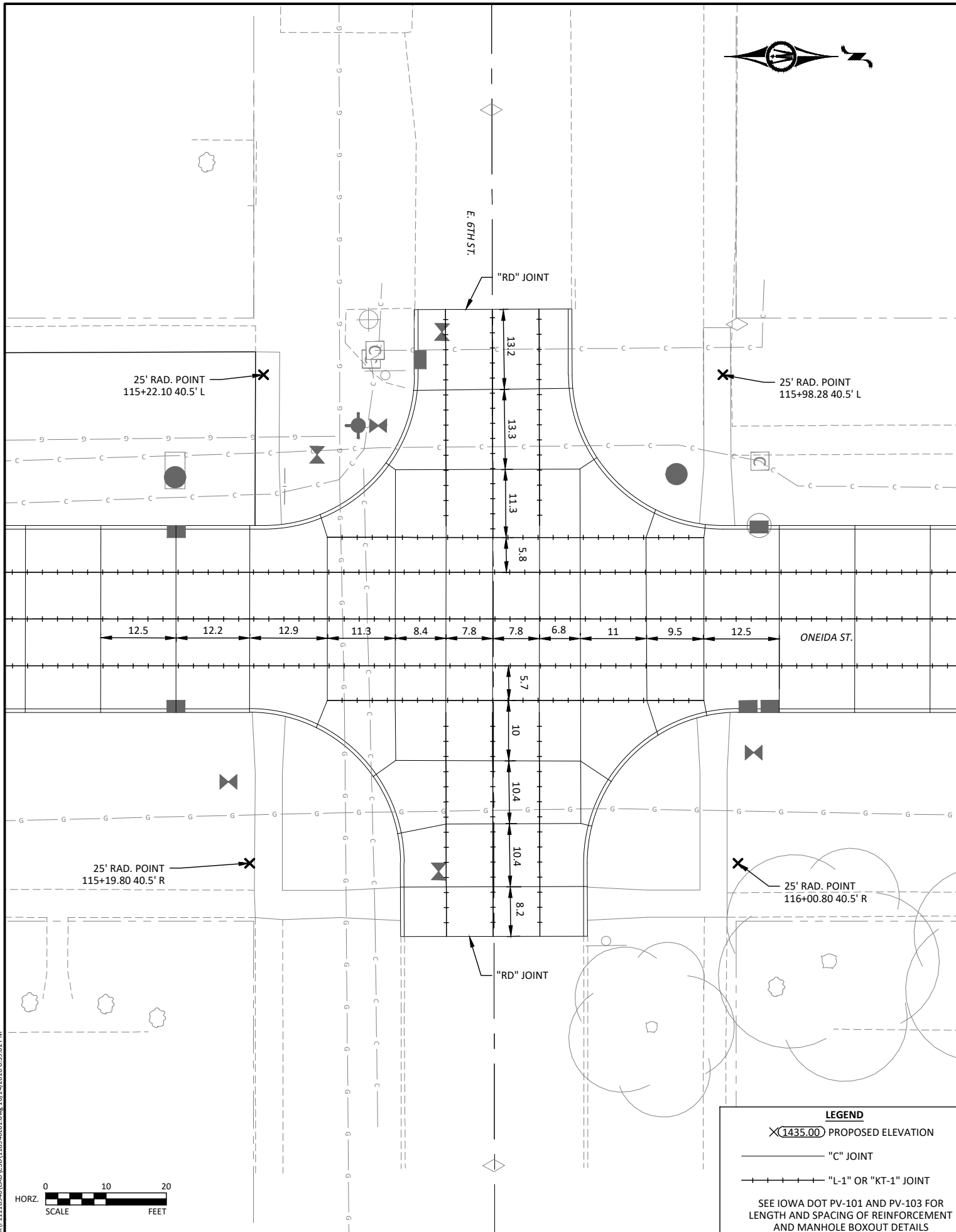
TRAFFIC CONTROL SIGN TABULATIONS				
SIGN	SIGN NO.	COLOR	SIZE	QUANTITY
	R11-4	BLACK ON WHITE	48" X 30"	12 (1)
	R11-X1	BLACK ON WHITE	30" X 18"	17
	R11-2	BLACK ON WHITE	48" X 30"	10
	T3-3	WHITE ON ORANGE	72" X 6"	56 (1)
	W20-1	BLACK ON ORANGE	48" X 48"	2
	W20-2	BLACK ON ORANGE	48" X 48"	8
	W20-3	BLACK ON ORANGE	48" X 48"	20
	G20-2	BLACK ON ORANGE	60" X 24"	2
	CUSTOM	BLACK ON WHITE	24" X 6"	10
	CUSTOM	BLACK ON WHITE	24" X 6"	10
	CUSTOM	BLACK ON WHITE	24" X 6"	2
	M4-9L	BLACK ON ORANGE	30" X 24"	4
	M4-9R	BLACK ON ORANGE	30" X 24"	5
	M4-9T	BLACK ON ORANGE	30" X 24"	12

(1) ADDITIONAL QUANTITY AS DESCRIBED IN ESTIMATE REFERENCE INFORMATION NOTE FOR ITEM 47

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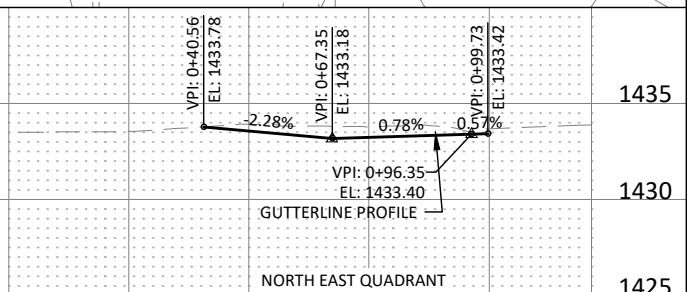
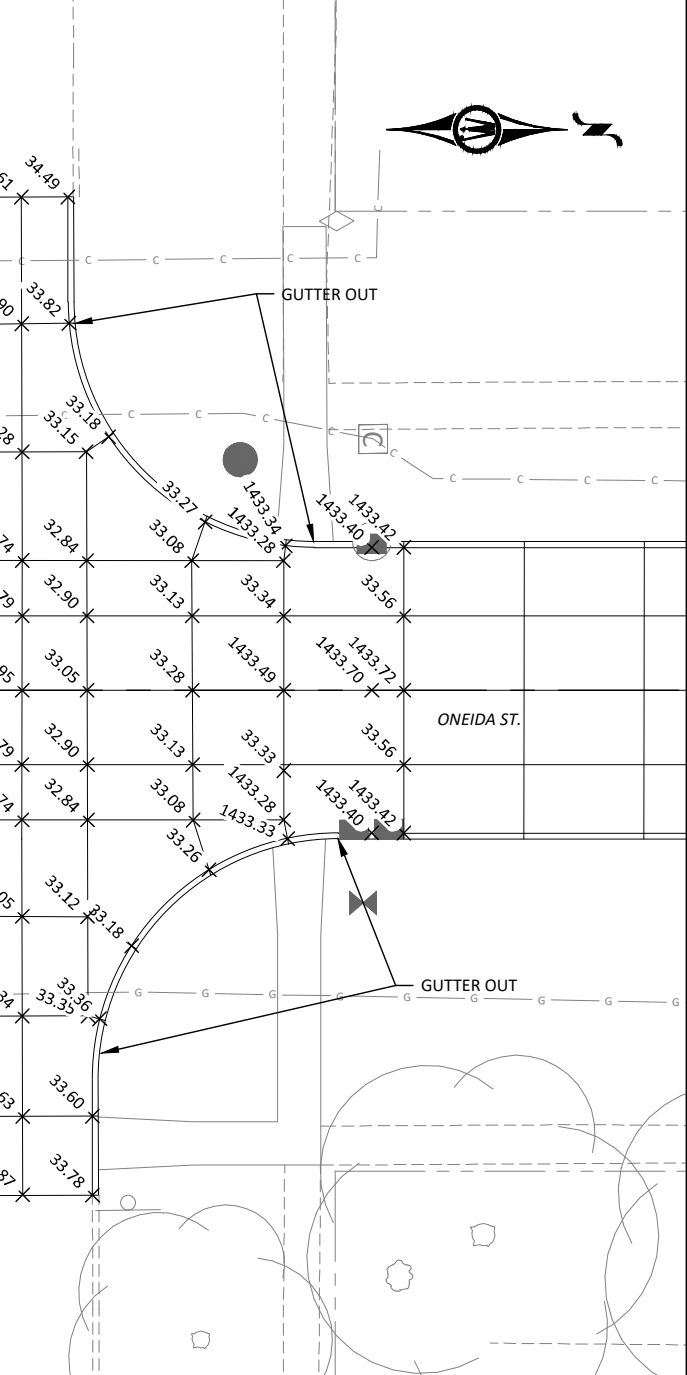
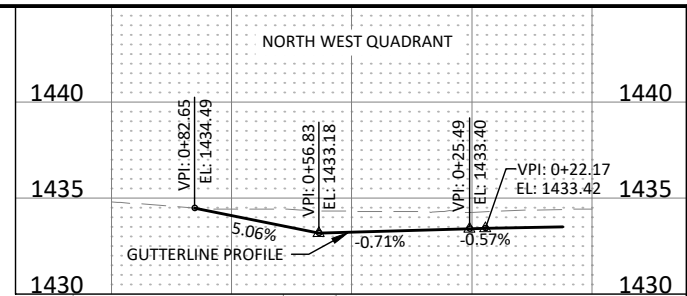
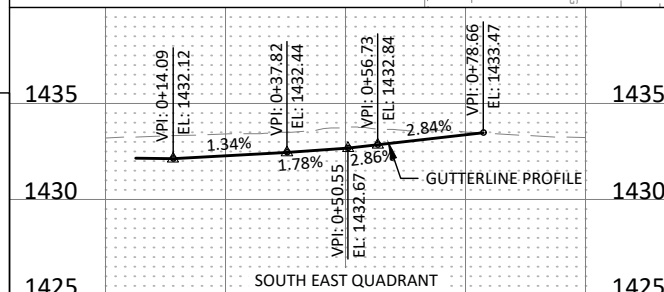
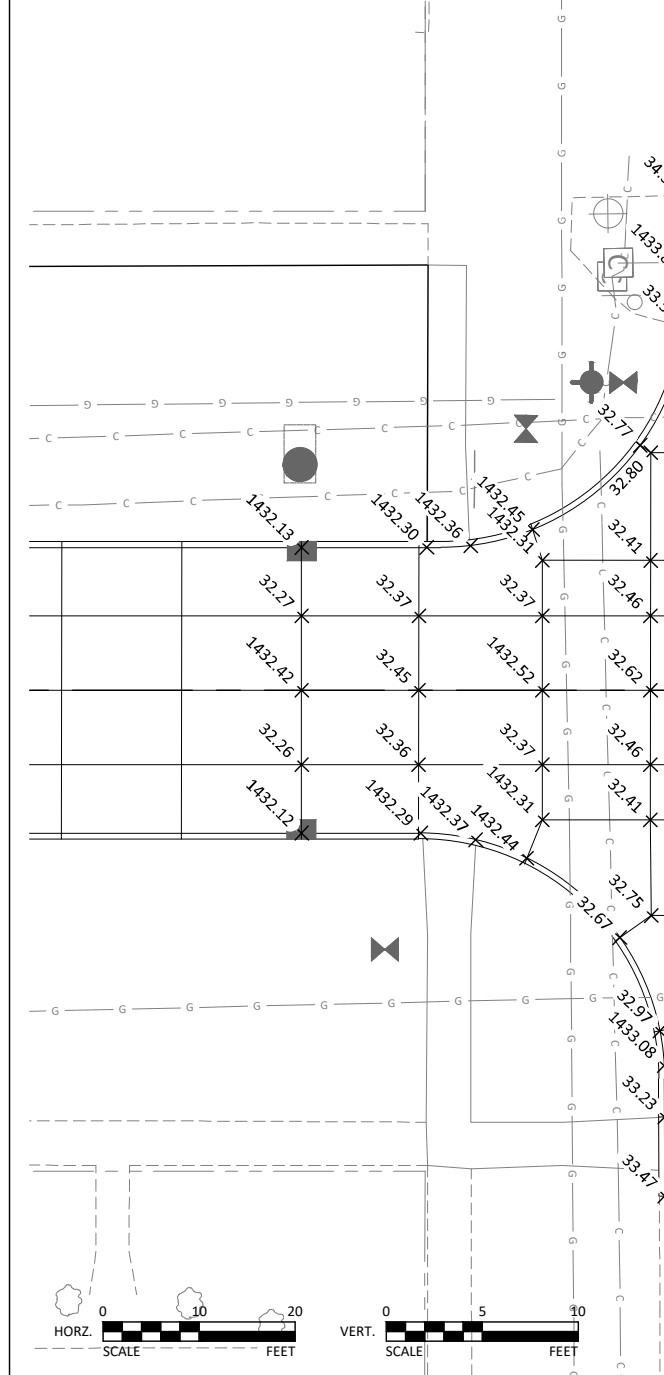
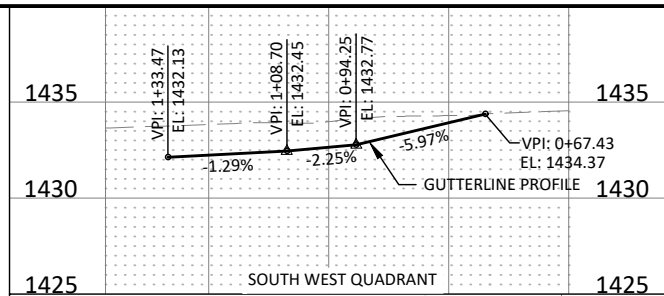
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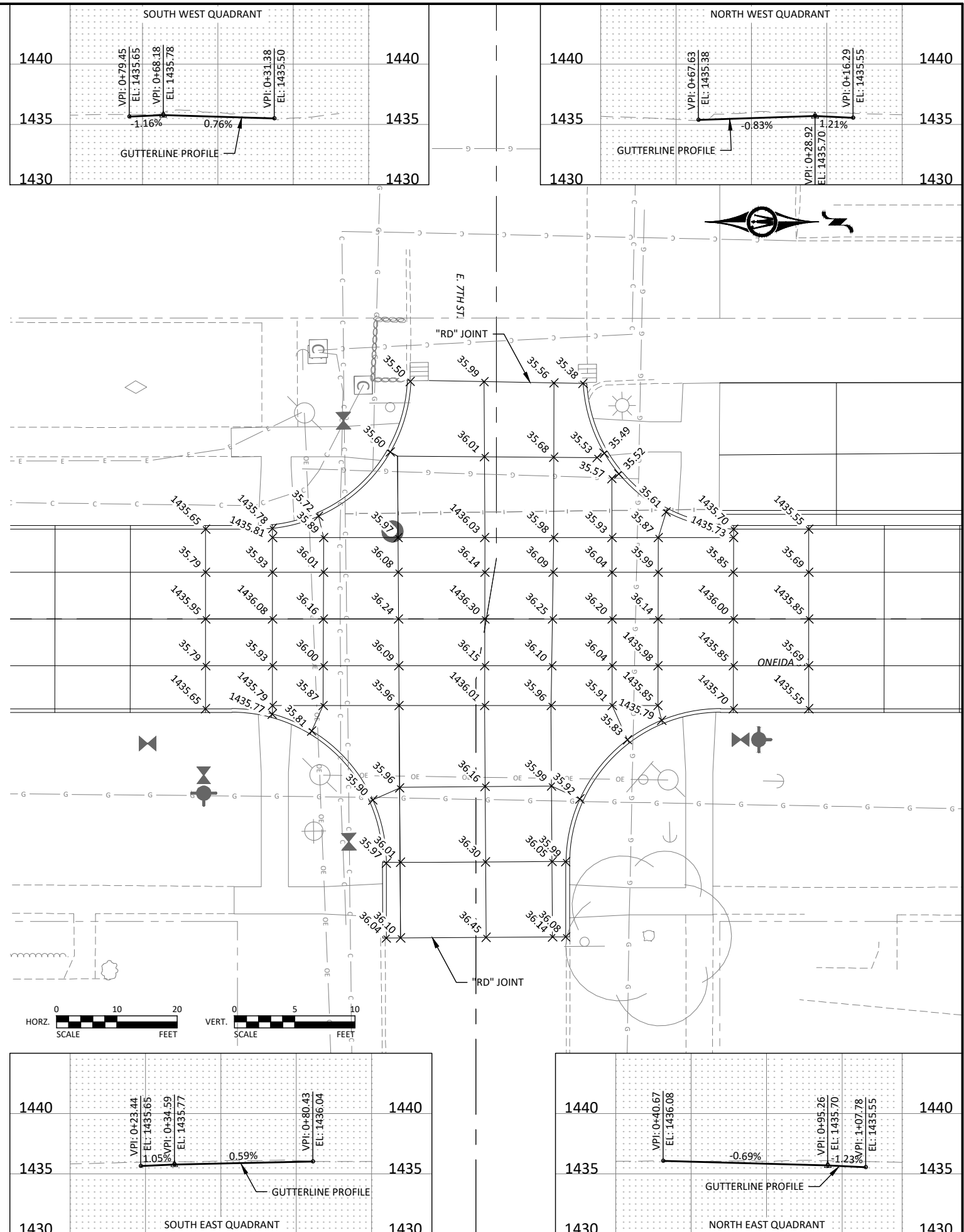
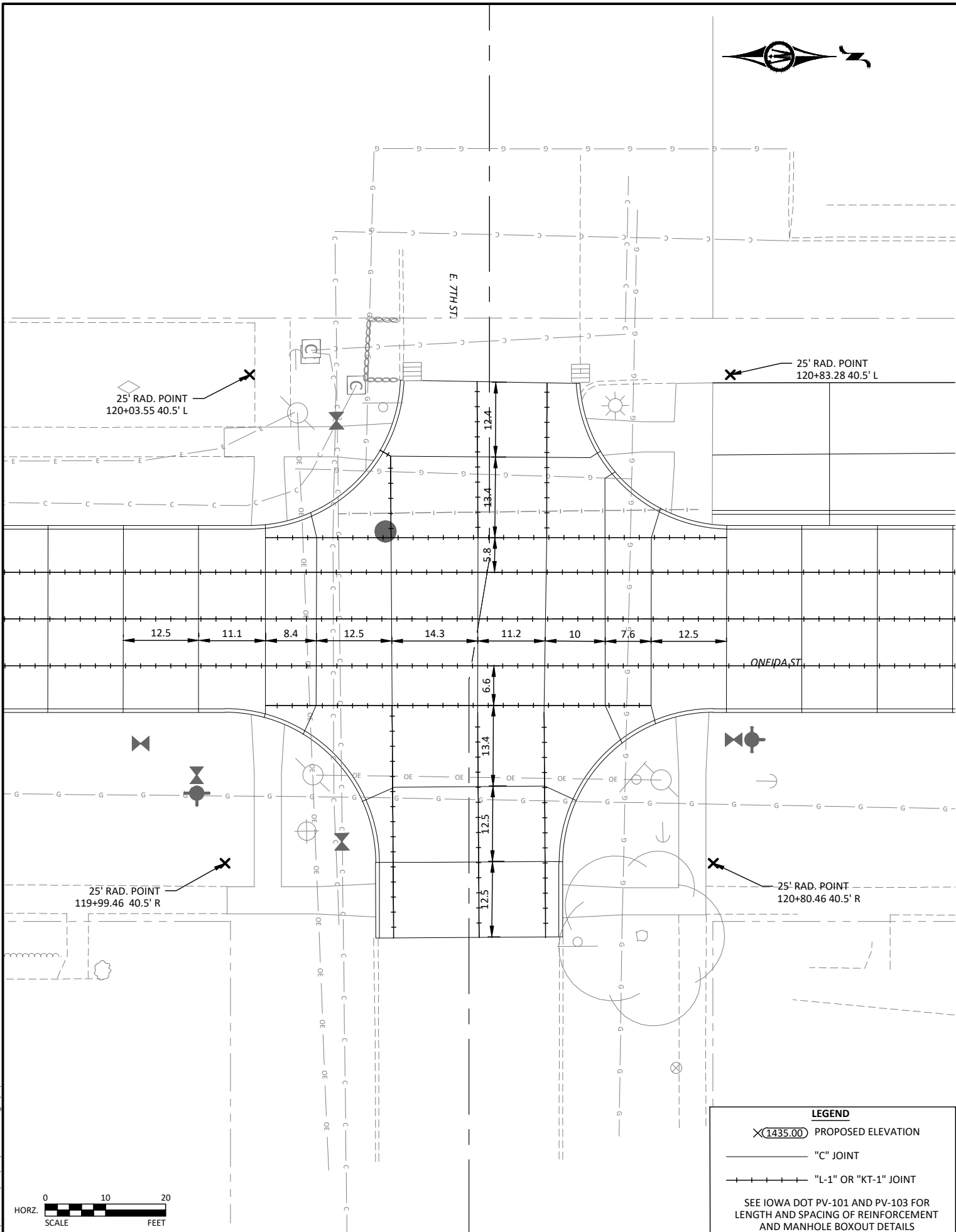
LEGEND

- X (1435.00) PROPOSED ELEVATION
- "C" JOINT
- + + + "L-1" OR "KT-1" JOINT

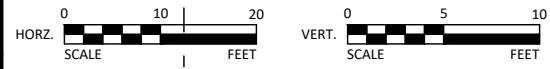
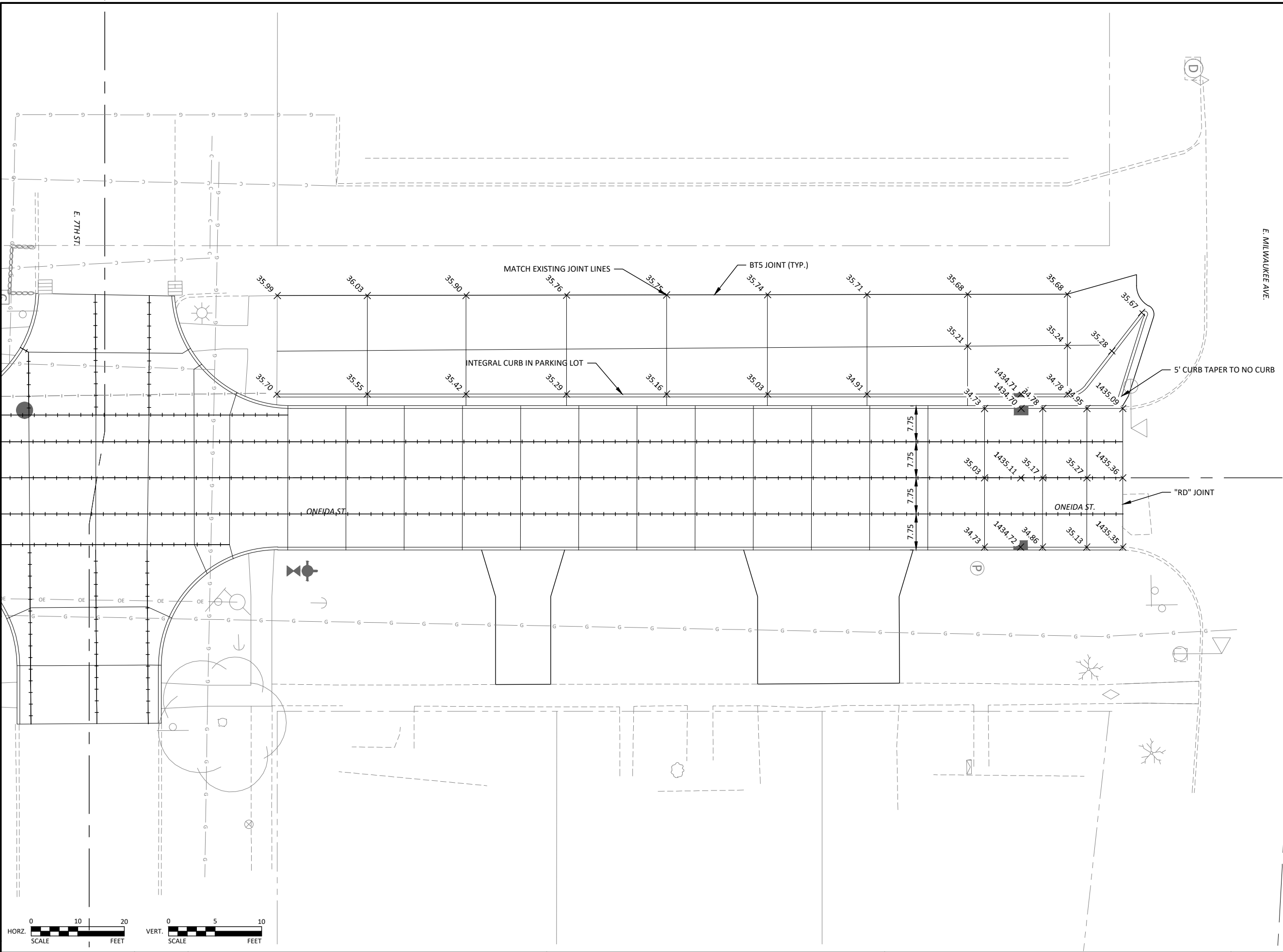
SEE IOWA DOT PV-101 AND PV-103 FOR LENGTH AND SPACING OF REINFORCEMENT AND MANHOLE BOXOUT DETAILS



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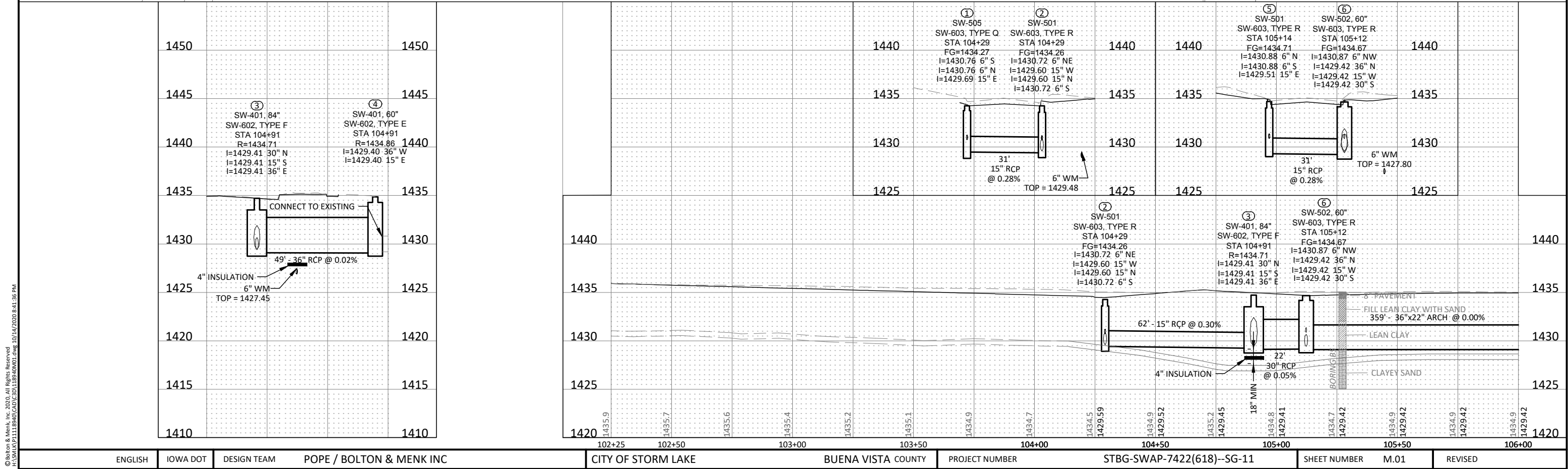
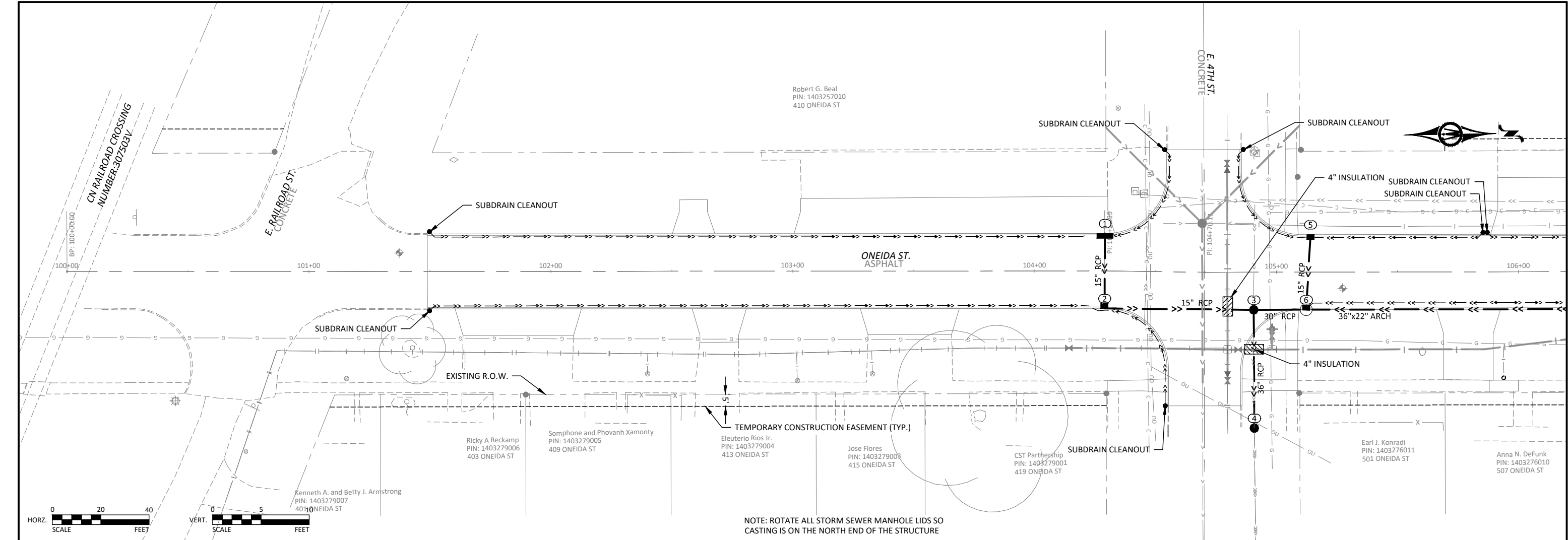
LEGEND

PROPOSED ELEVATION

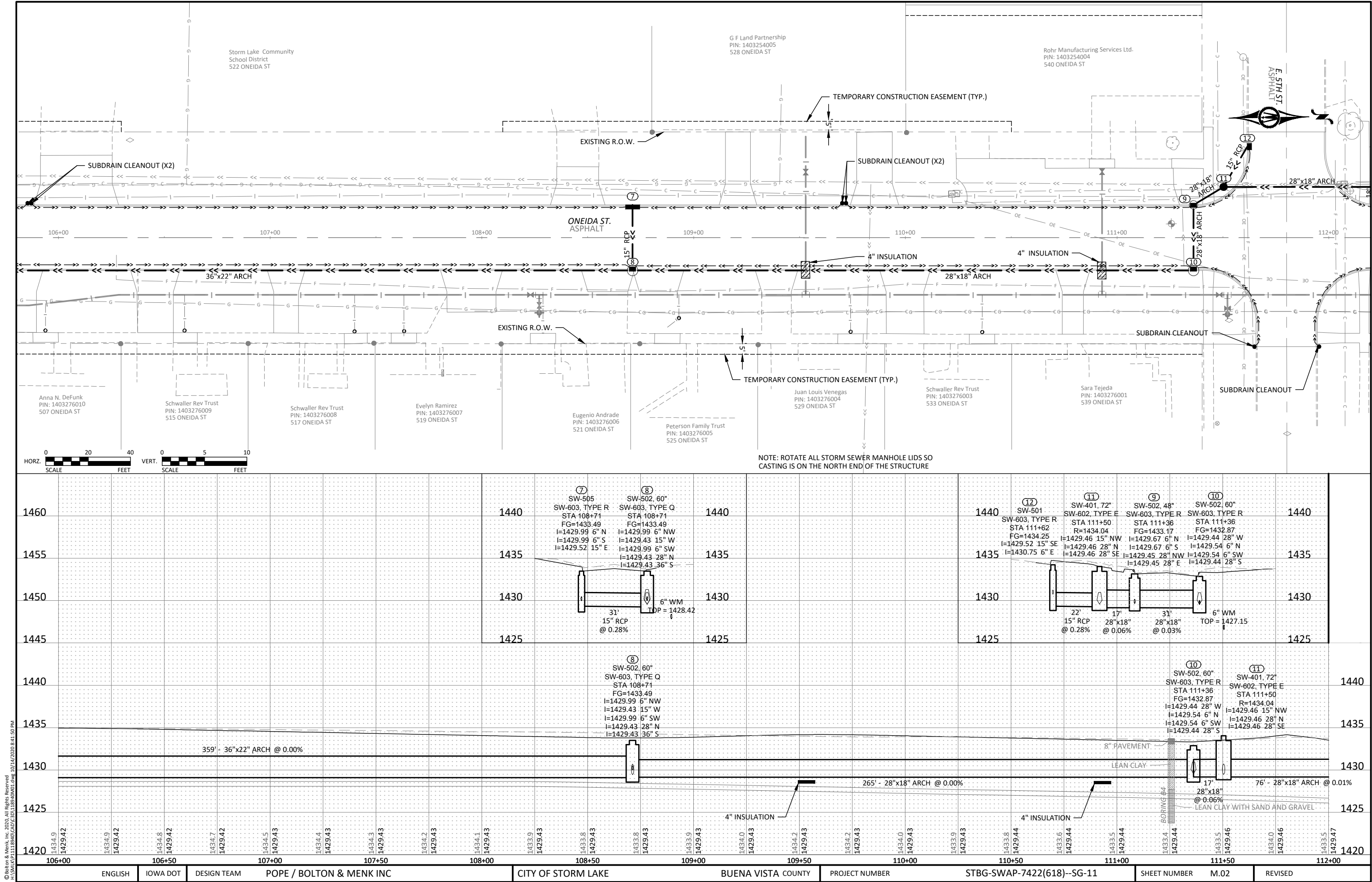
"C" JOINT

"L-1" OR "KT-1" JOINT

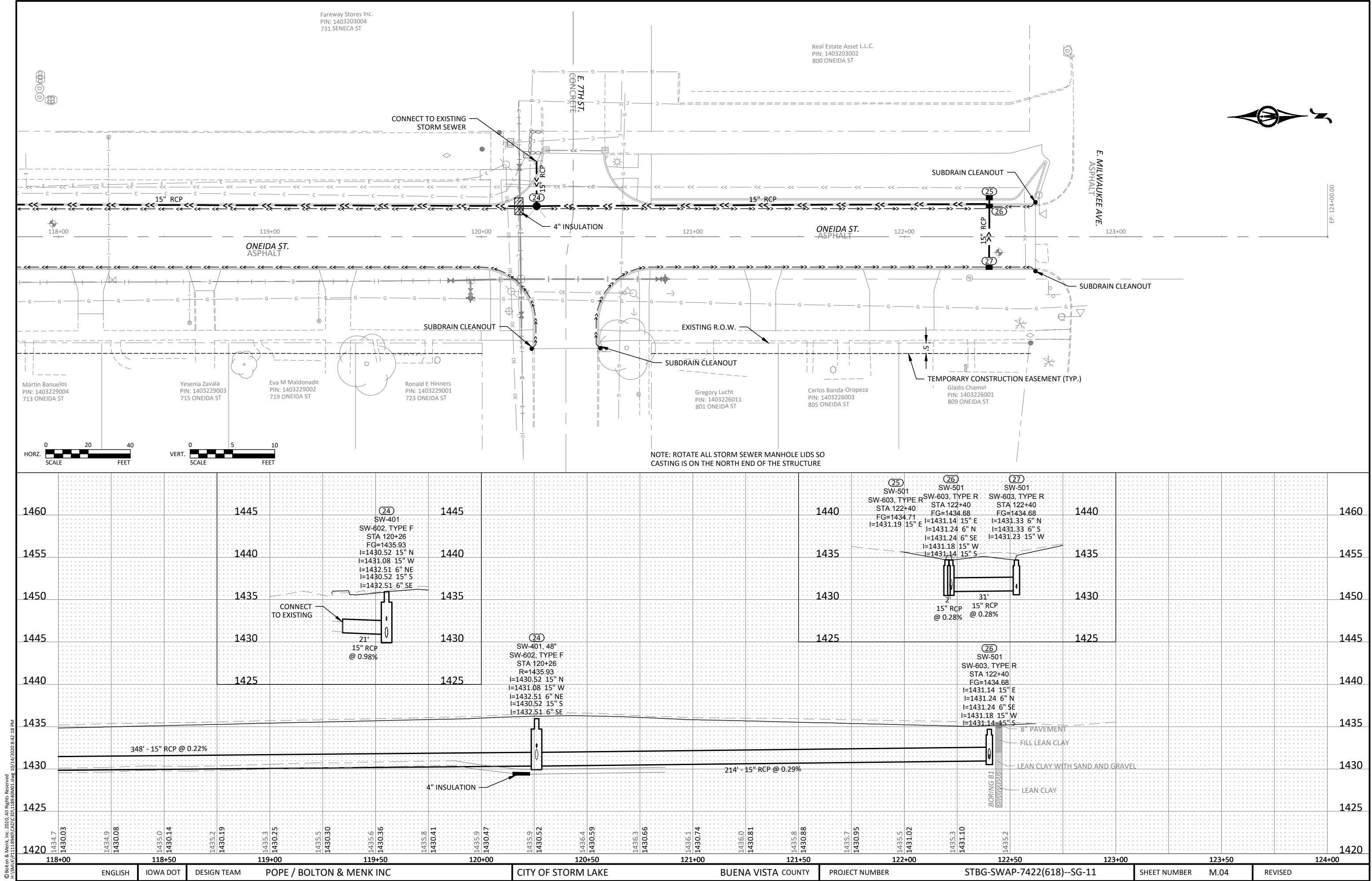
SEE IOWA DOT PV-101 AND PV-103 FOR
LENGTH AND SPACING OF REINFORCEMENT
AND MANHOLE BOXOUT DETAILS



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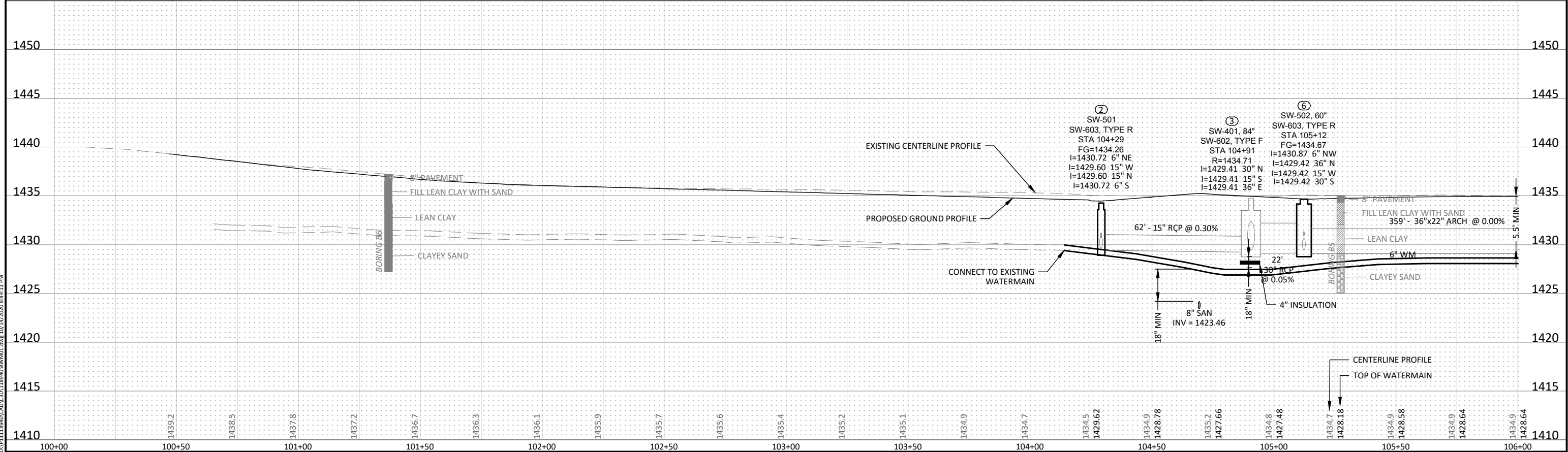
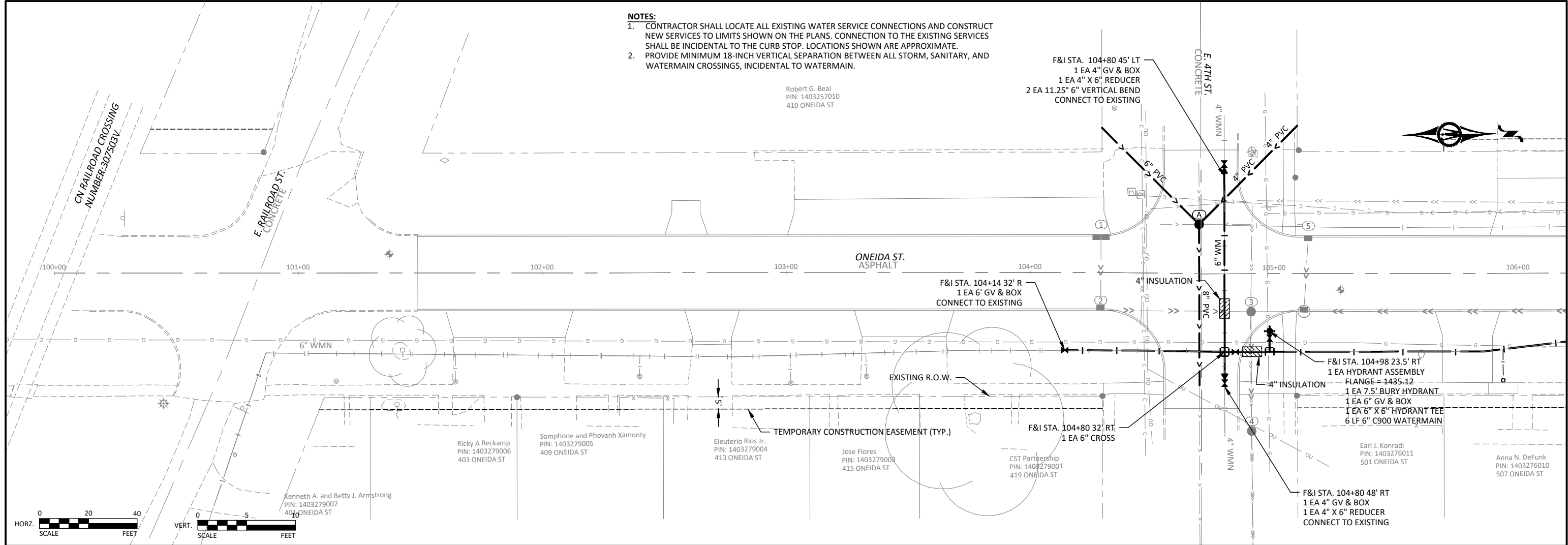


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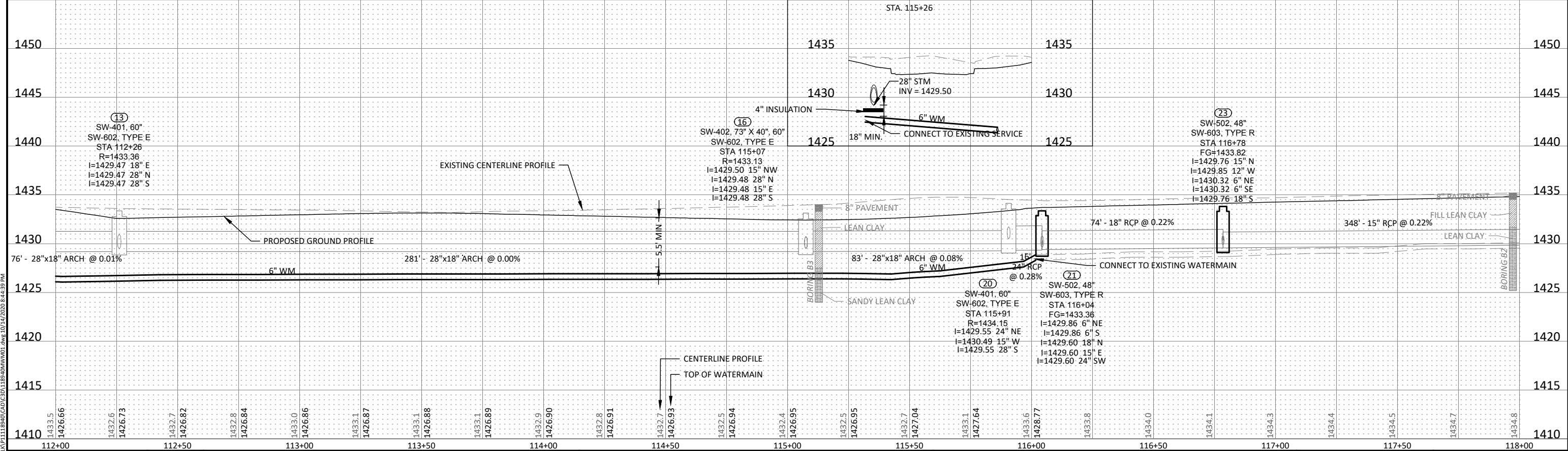
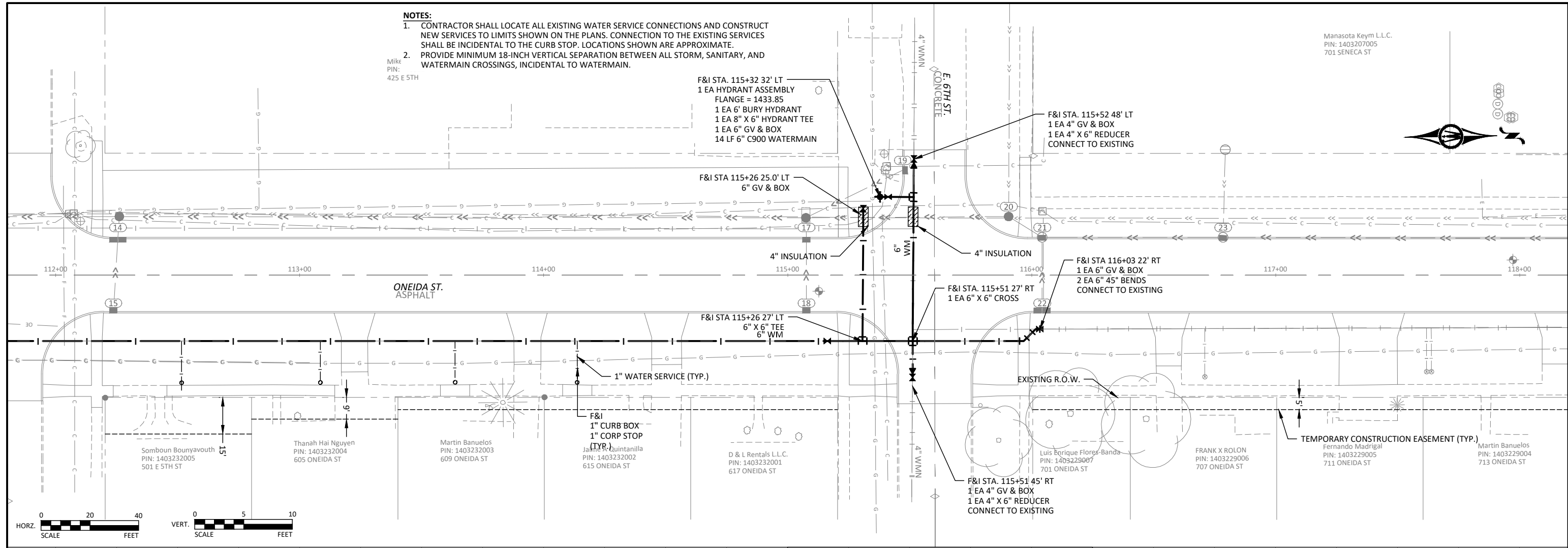
- NOTES:
1. CONTRACTOR SHALL LOCATE ALL EXISTING WATER SERVICE CONNECTIONS AND CONSTRUCT NEW SERVICES TO LIMITS SHOWN ON THE PLANS. CONNECTION TO THE EXISTING SERVICES SHALL BE INCIDENTAL TO THE CURB STOP. LOCATIONS SHOWN ARE APPROXIMATE.
 2. PROVIDE MINIMUM 18-INCH VERTICAL SEPARATION BETWEEN ALL STORM, SANITARY, AND WATERMAIN CROSSINGS, INCIDENTAL TO WATERMAIN.



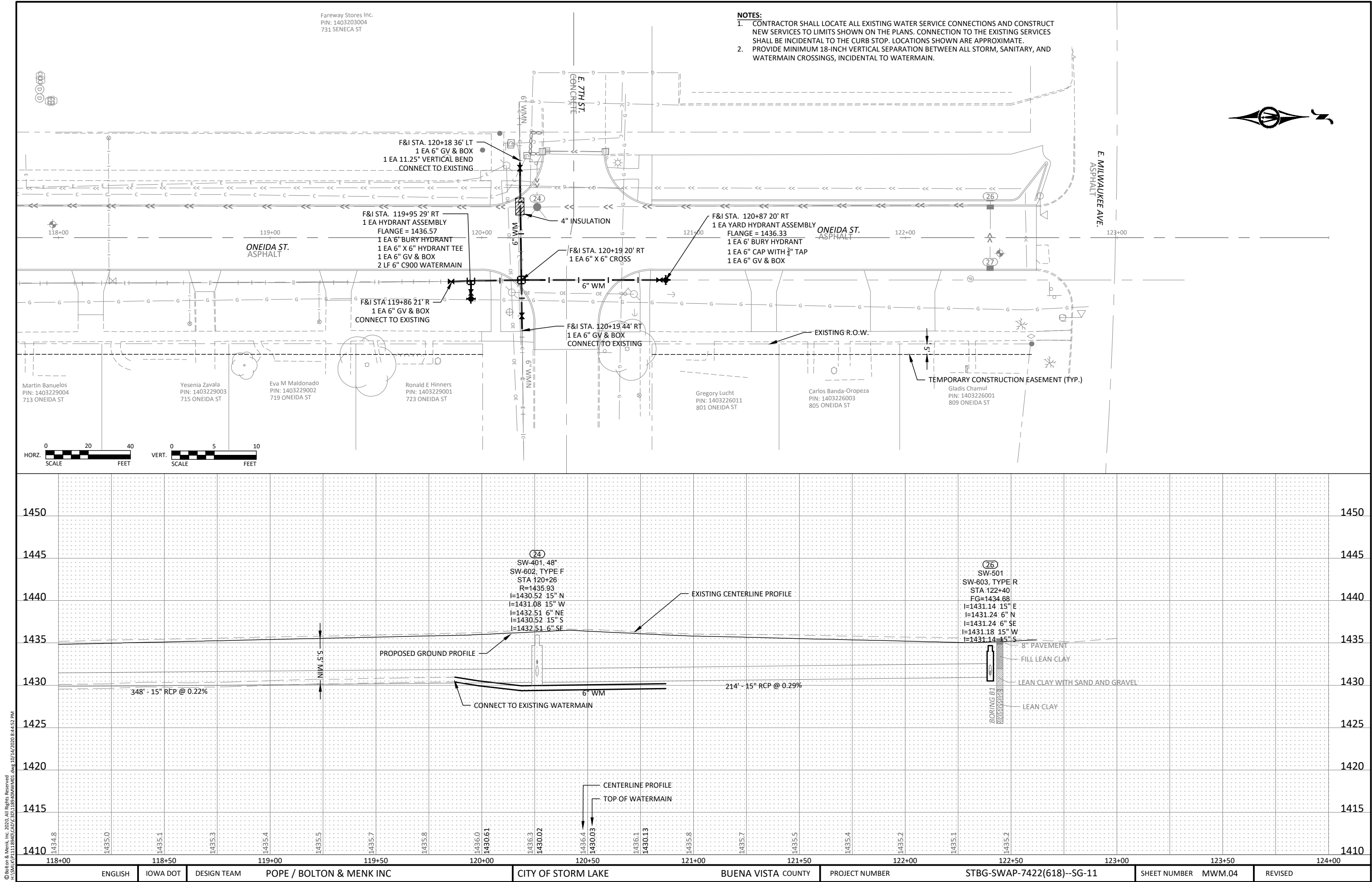
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- NOTES:**
1. CONTRACTOR SHALL LOCATE ALL EXISTING WATER SERVICE CONNECTIONS AND CONSTRUCT NEW SERVICES TO LIMITS SHOWN ON THE PLANS. CONNECTION TO THE EXISTING SERVICES SHALL BE INCIDENTAL TO THE CURB STOP. LOCATIONS SHOWN ARE APPROXIMATE.
 2. PROVIDE MINIMUM 18-INCH VERTICAL SEPARATION BETWEEN ALL STORM, SANITARY, AND WATERMAIN CROSSINGS, INCIDENTAL TO WATERMAIN.
- Mike
PIN: 425 E 5TH

Manasota Keyrm L.L.C.
PIN: 1403207005
701 SENECA ST

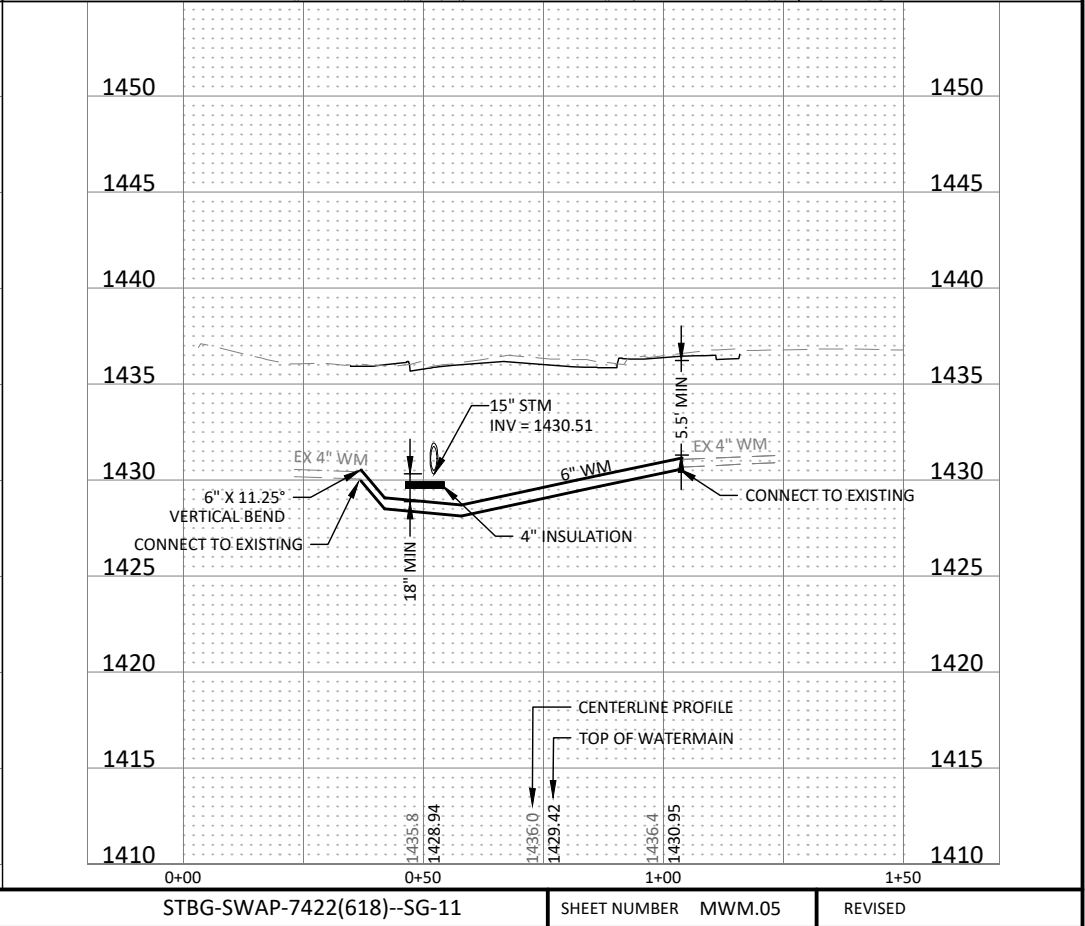
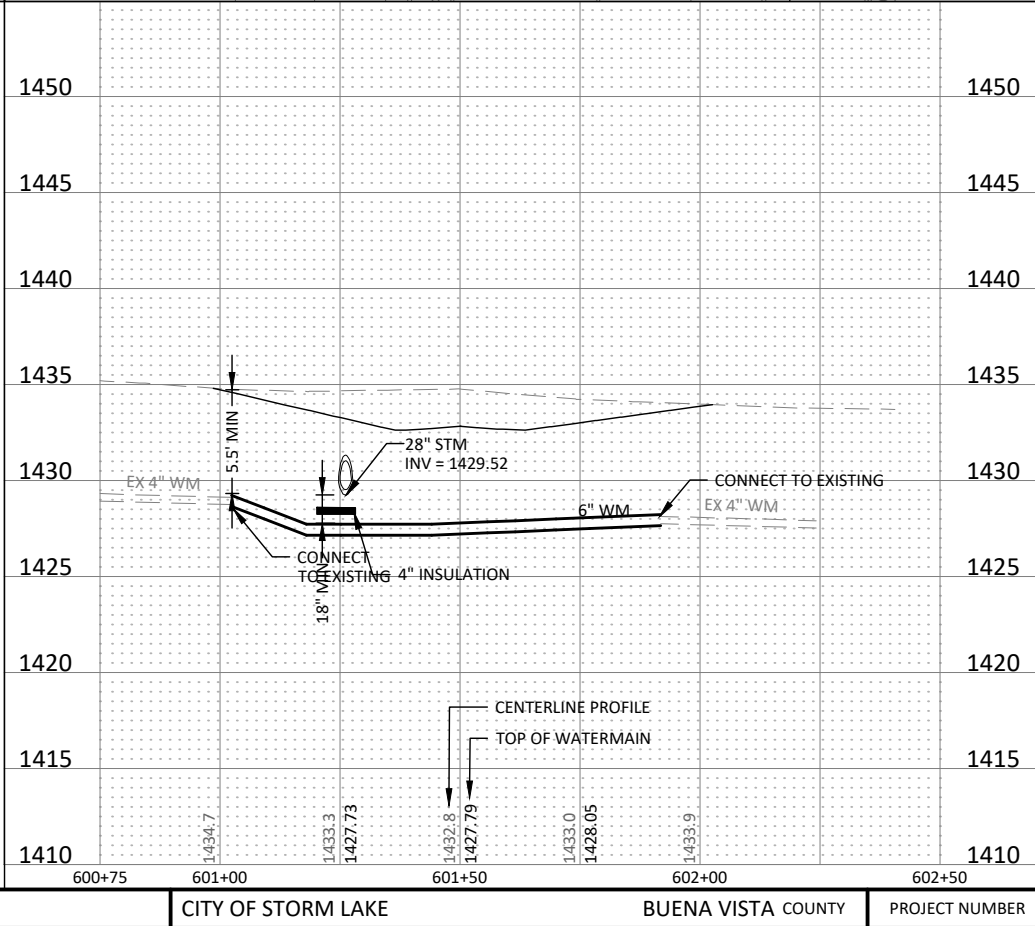
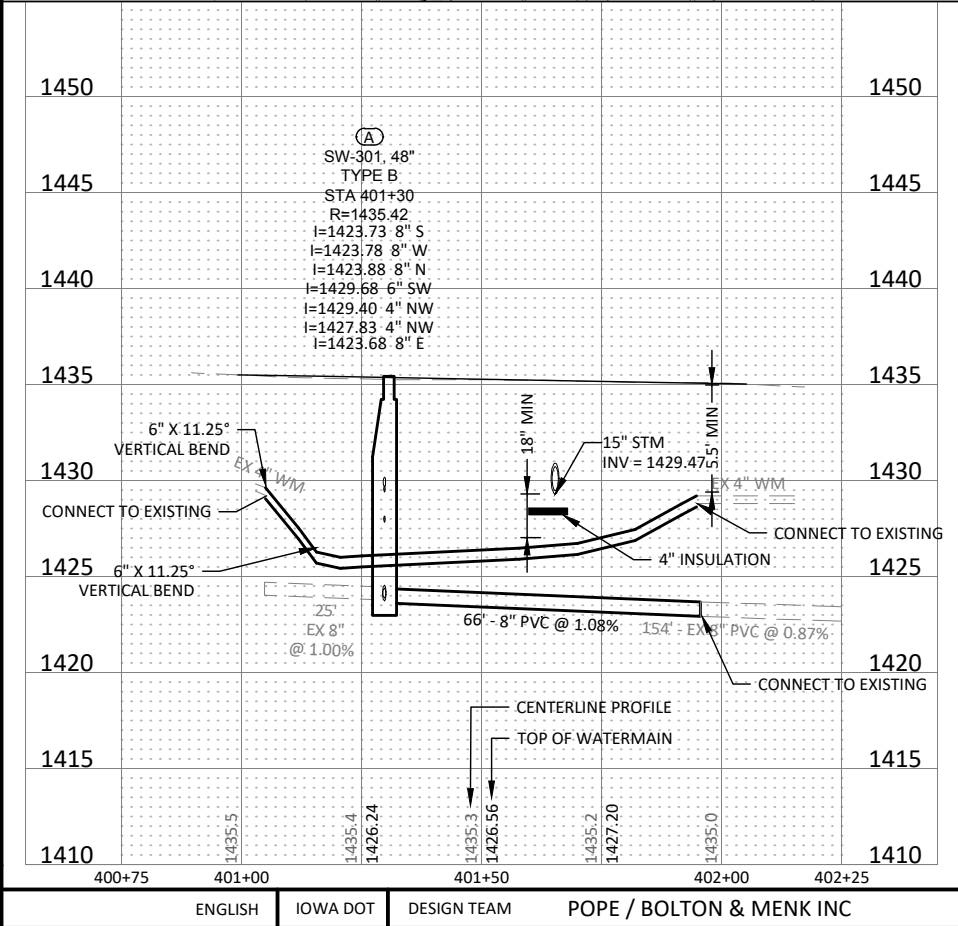
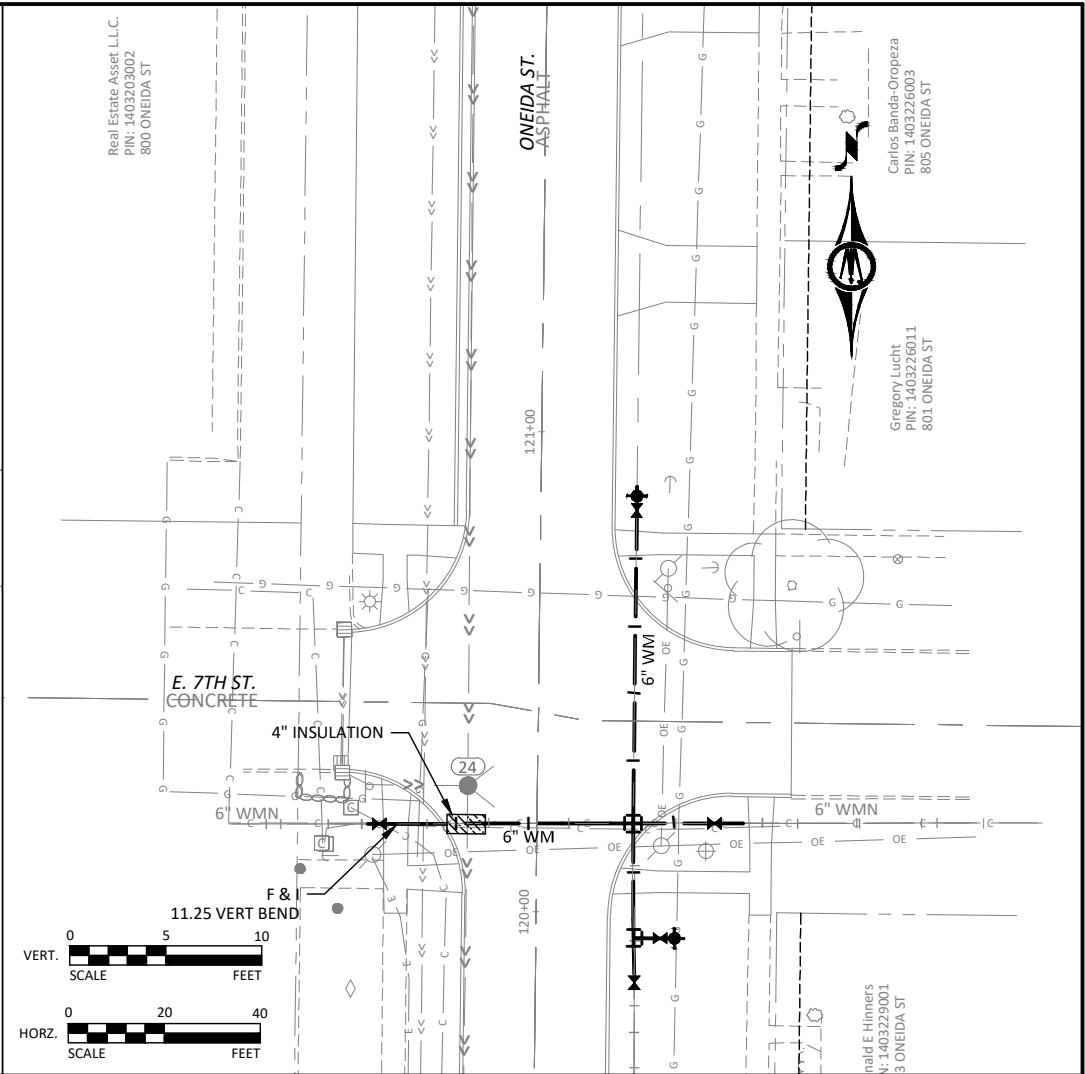
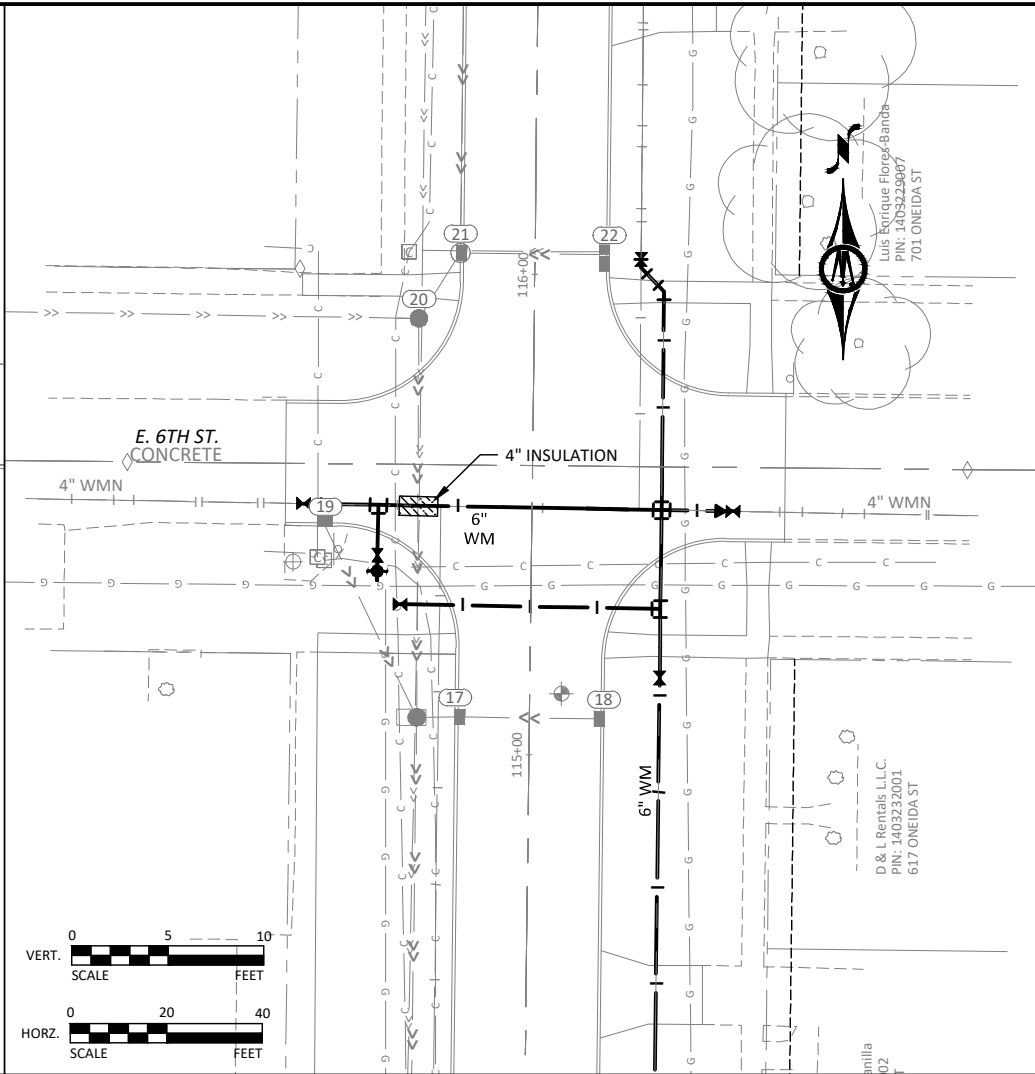
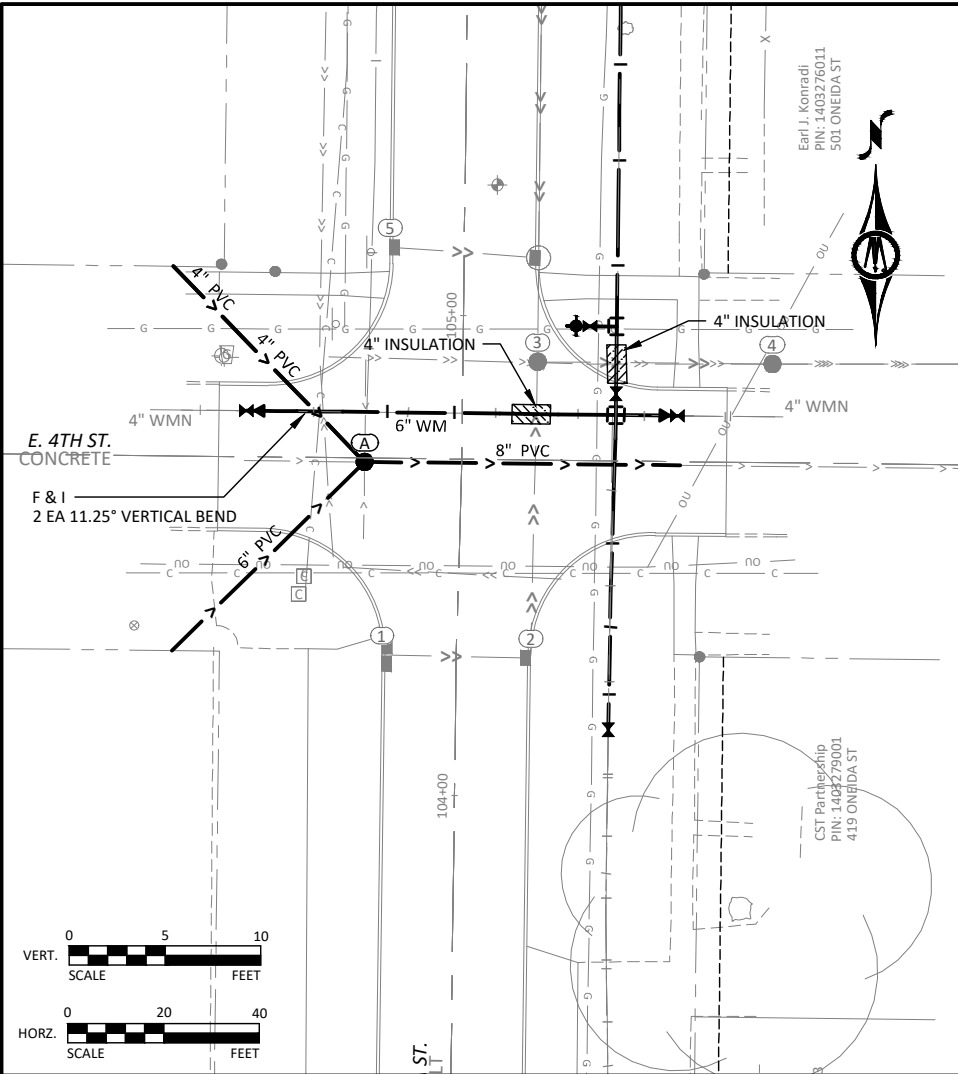


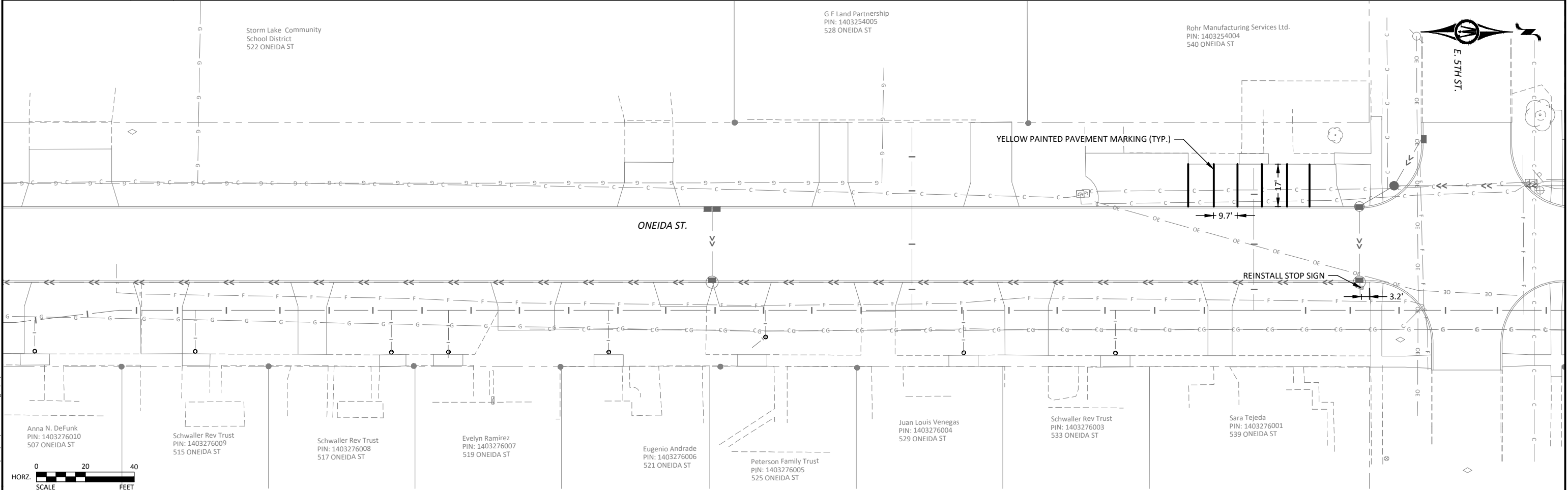
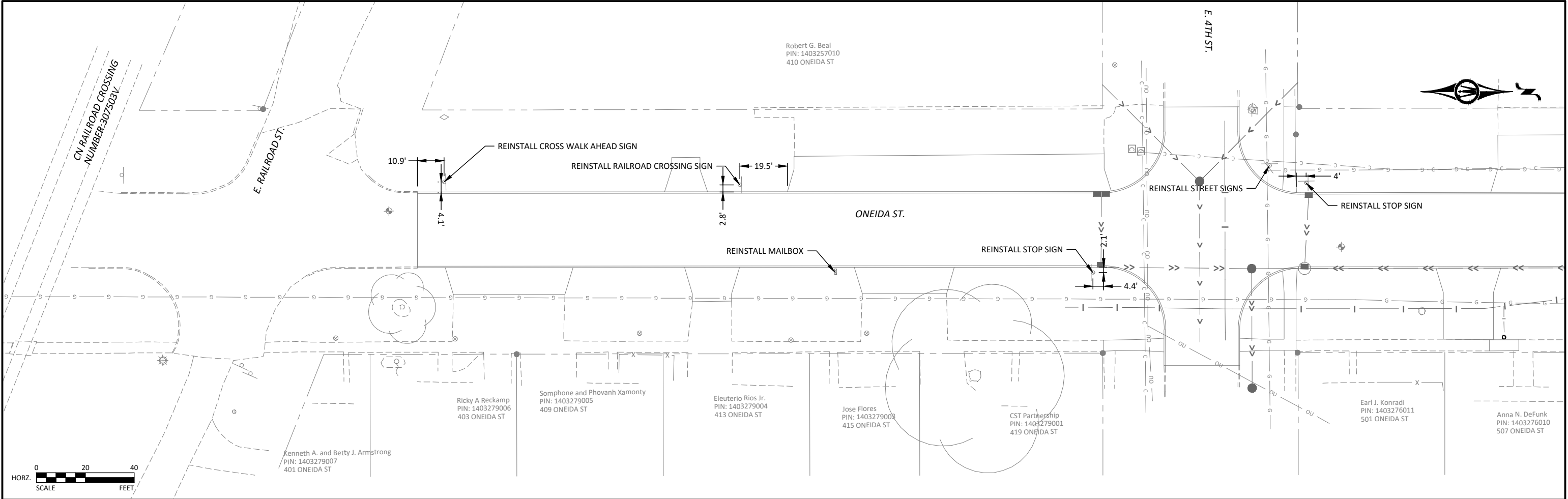
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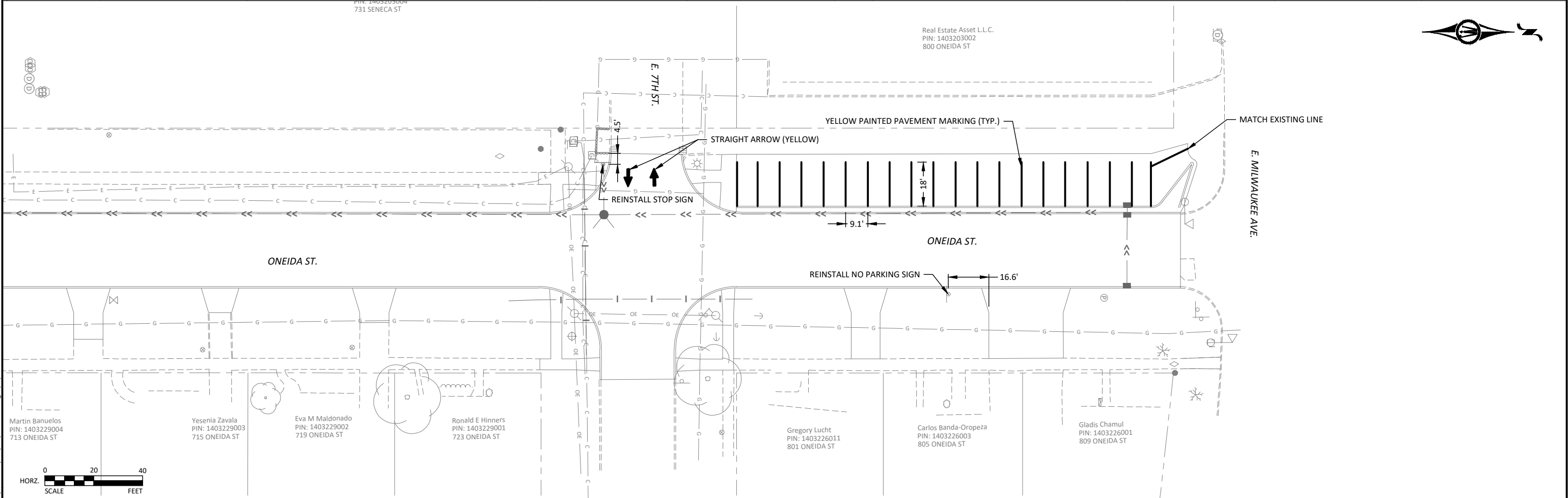
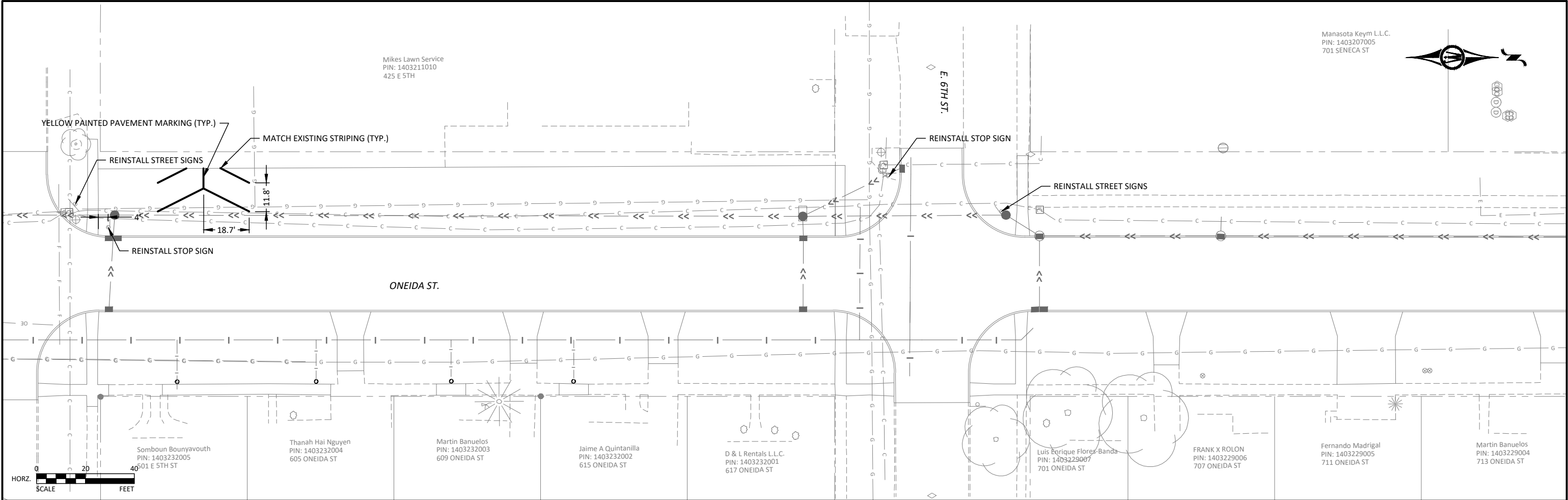
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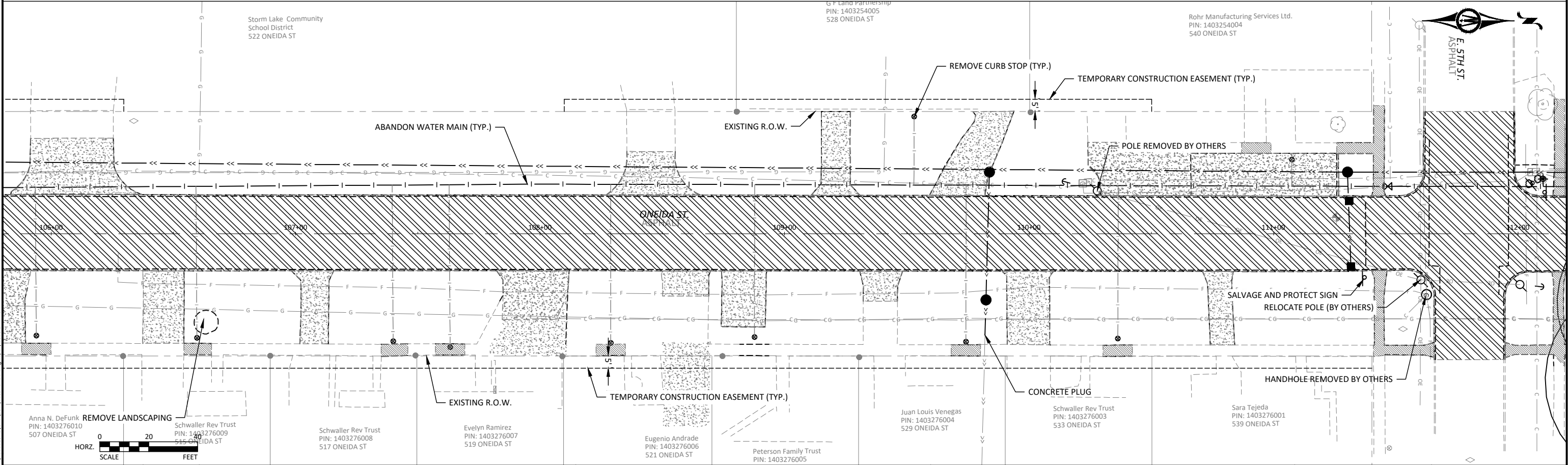
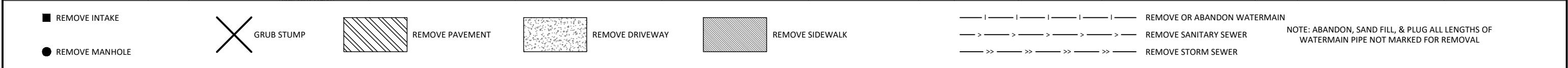
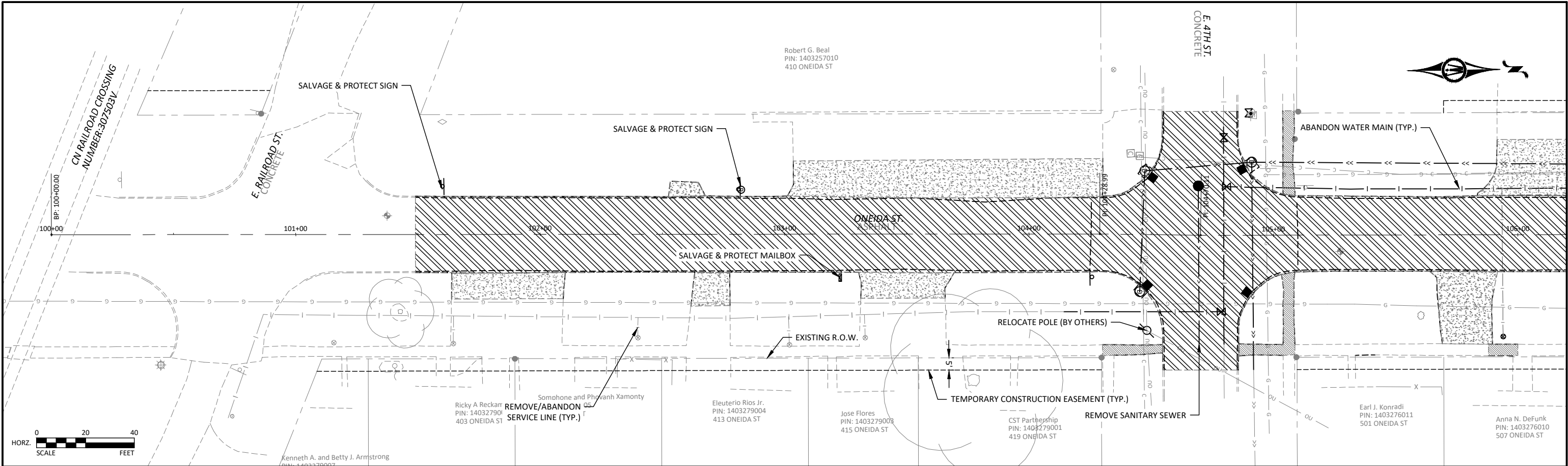


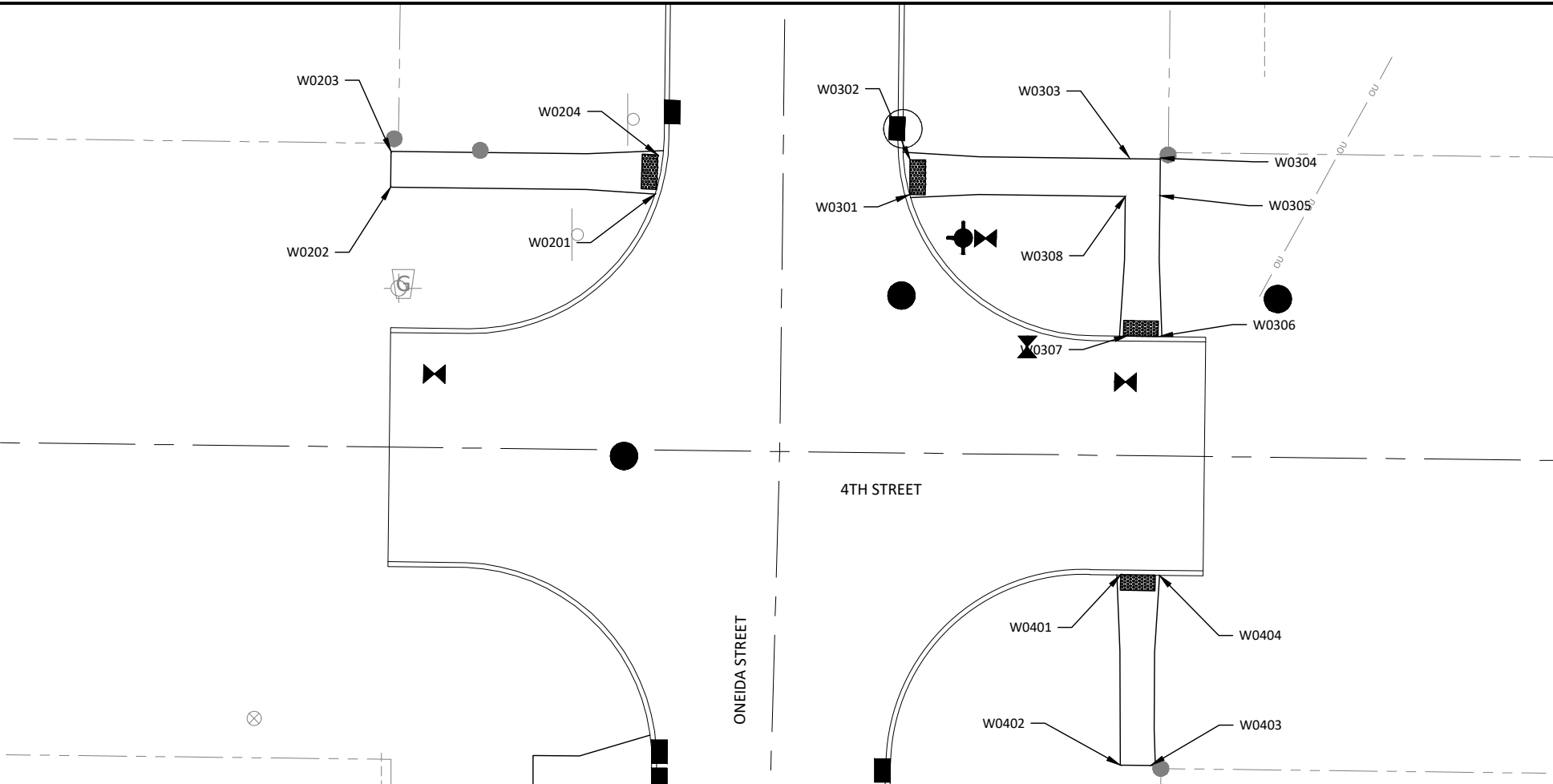
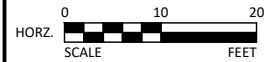


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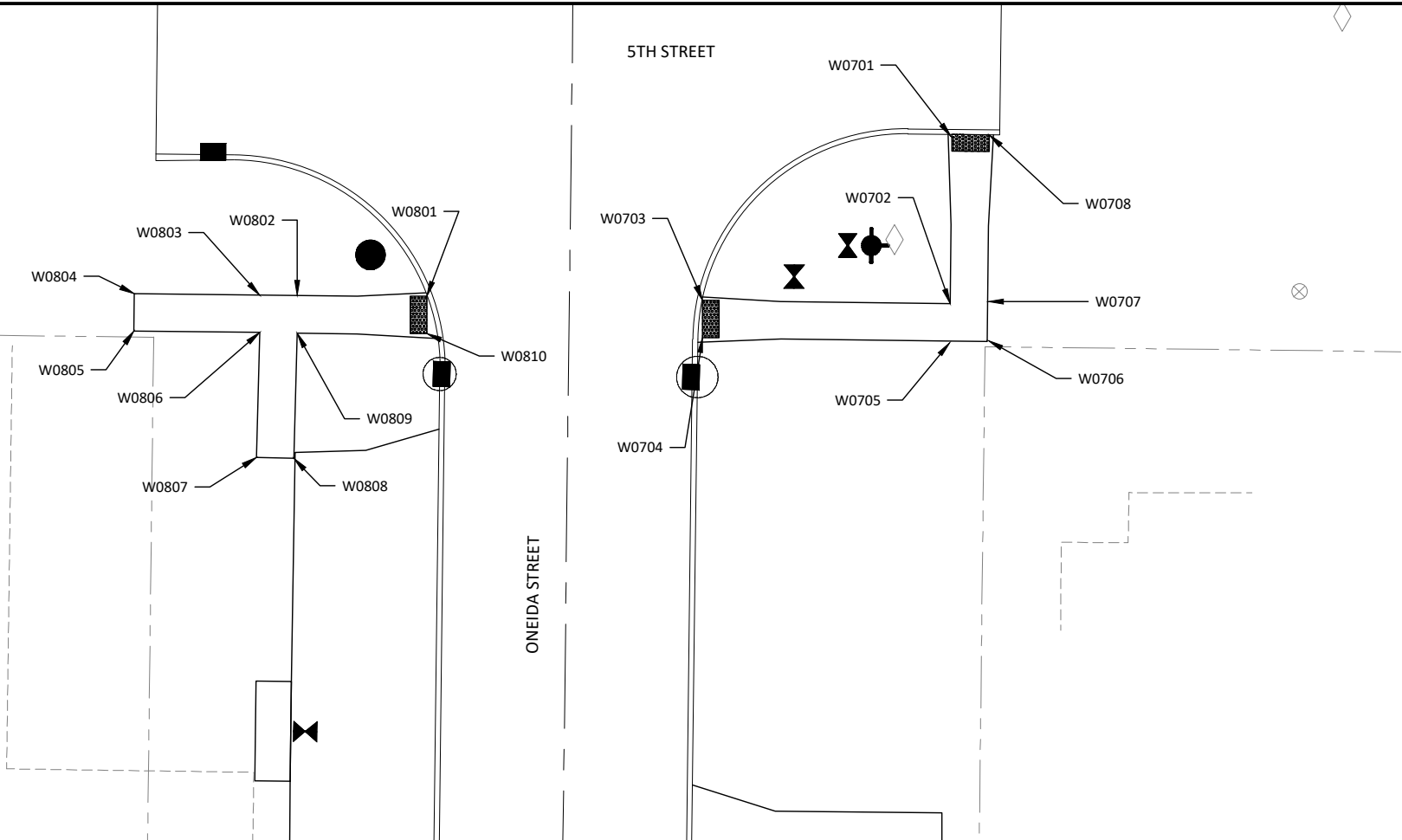
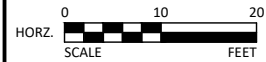


SIDEWALK COMPLIANCE

113-10
04-18-17

* Does not include curb
1 Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Point to Point		Sidewalk Designation	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? 1	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
			FT	FT	%	Pos. or Neg.		%			Point	Station	Offset	Elevation
W0201	W0202	Sidewalk Running Slope	34.56	1.48	4.3%	0.5% to 5.0%					W0201	105+03.97	16.38	1434.59
W0202	W0203	Sidewalk Cross Slope	4.63	0.03	0.6%	0.5% to 2.0%					W0202	105+03.86	50.94	1436.07
W0203	W0204	Sidewalk Running Slope	34.56	-1.59	-4.6%	0.5% to 5.0%					W0203	105+08.50	50.94	1436.10
W0204	W0201	Crosswalk Cross Slope - Yield Condition	4.63	0.08	1.7%	0.0% to 2.0%					W0204	105+08.47	16.31	1434.51
W0301	W0302	Crosswalk Cross Slope - Yield Condition	4.50	-0.06	-1.3%	0.0% to 2.0%					W0301	105+03.69	16.48	1434.47
W0302	W0303	Ramp Running Slope	28.91	0.85	2.9%	0.5% to 8.3%					W0302	105+08.19	16.47	1434.41
W0303	W0304	Landing/Turning Space	4.50	-0.03	-0.7%	0.1% to 2.0%					W0303	105+08.70	44.89	1435.26
W0304	W0305	Landing/Turning Space	4.50	-0.01	-0.2%	0.1% to 2.0%					W0304	105+08.70	48.98	1435.23
W0305	W0306	Ramp Running Slope	18.47	-0.45	-2.4%	0.5% to 8.3%					W0305	105+03.81	48.98	1435.22
W0306	W0307	Crosswalk Cross Slope - No Yield Condition	4.50	0.04	0.9%	0.0% to 5.0%					W0306	104+85.63	48.98	1434.77
W0307	W0308	Ramp Running Slope	18.13	0.39	2.2%	0.5% to 8.3%					W0307	104+85.63	44.48	1434.81
W0303	W0308	Landing/Turning Space	4.50	-0.06	-1.3%	0.1% to 2.0%					W0308	105+03.80	44.48	1435.20
W0305	W0308	Landing/Turning Space	4.50	-0.02	-0.4%	0.1% to 2.0%								
W0401	W0402	Ramp Running Slope	25.46	0.21	0.8%	0.5% to 8.3%					W0401	104+55.34	44.71	1434.80
W0402	W0403	Ramp Cross Slope	10.00	0.06	0.6%	0.1% to 2.0%					W0402	104+30.64	45.35	1435.01
W0403	W0404	Ramp Running Slope	25.46	-0.33	-1.3%	0.5% to 8.3%					W0403	104+30.72	49.89	1435.07
W0404	W0401	Crosswalk Cross Slope - Yield Condition	10.00	0.06	0.6%	0.0% to 2.0%					W0404	104+55.41	49.21	1434.74

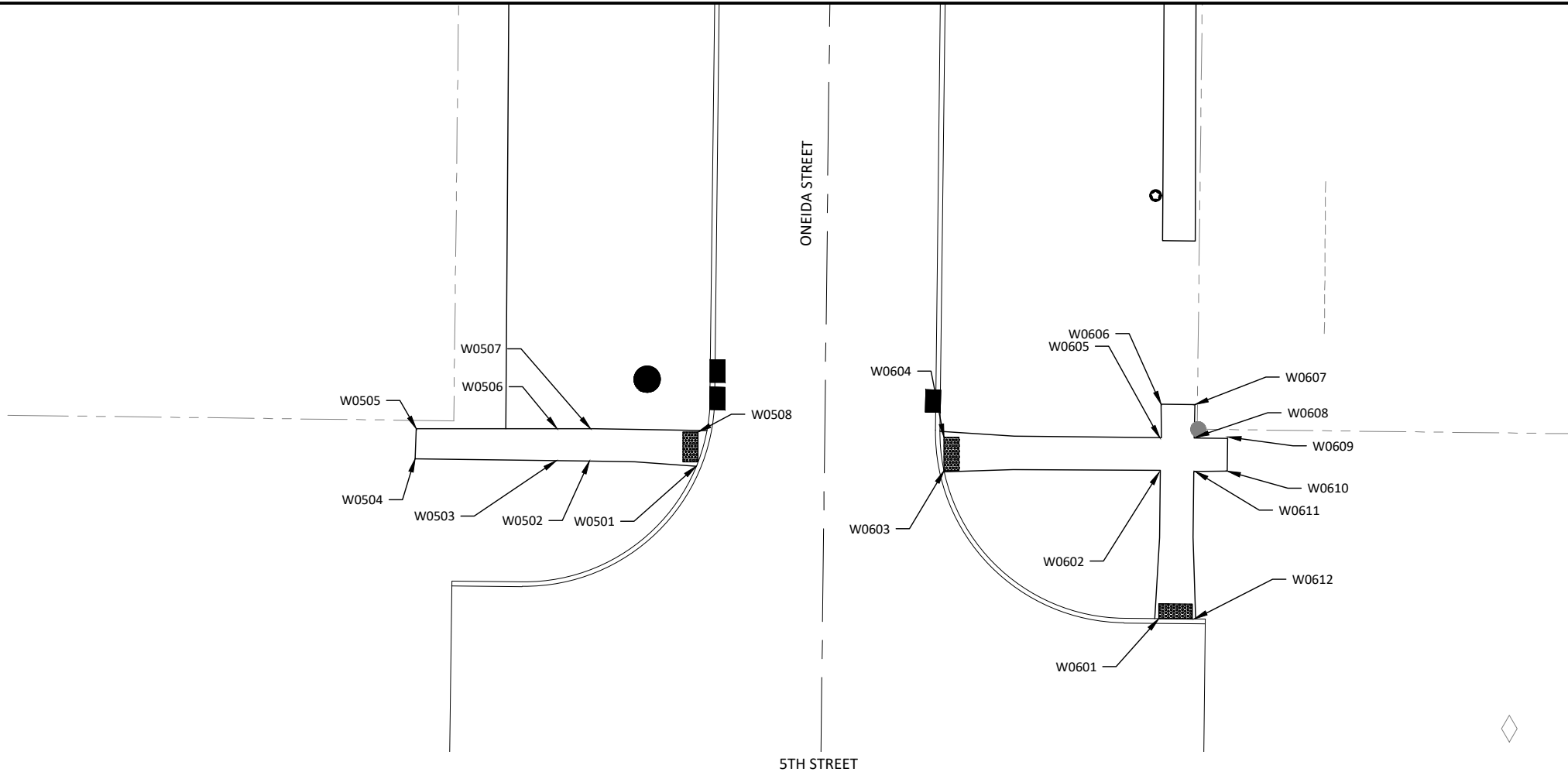
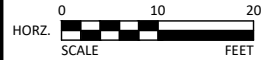


SIDEWALK COMPLIANCE

113-10
04-18-17

* Does not include curb
1 Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Point to Point		Sidewalk Designation	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? 1	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
			FT	FT	%	Pos. or Neg.		%			Point	Station	Offset	Elevation
W0701	W0702	Ramp Running Slope	20.10	0.49	2.4%	0.5% to 8.3%					W0701	111+65.43	45.66	1433.15
W0702	W0703	Ramp Running Slope	29.77	-0.59	-2.0%	0.5% to 8.3%					W0702	111+45.33	45.79	1433.64
W0703	W0704	Crosswalk Cross Slope - Yield Condition	4.50	-0.05	-1.1%	0.0% to 2.0%					W0703	111+45.42	16.02	1433.05
W0704	W0705	Ramp Running Slope	30.18	0.70	2.3%	0.5% to 8.3%					W0704	111+40.92	16.07	1433.00
W0705	W0706	Landing/Turning Space	4.50	0.03	0.7%	0.1% to 2.0%					W0705	111+40.87	45.68	1433.70
W0706	W0707	Landing/Turning Space	4.50	-0.02	-0.4%	0.1% to 2.0%					W0706	111+40.87	50.29	1433.73
W0707	W0708	Ramp Running Slope	20.15	-0.62	-3.1%	0.5% to 8.3%					W0707	111+45.54	50.29	1433.71
W0701	W0708	Crosswalk Cross Slope - No Yield Condition	4.50	-0.06	-1.3%	0.0% to 5.0%					W0708	111+65.69	50.29	1433.09
W0702	W0705	Landing/Turning Space	4.50	0.06	1.3%	0.1% to 2.0%								
W0702	W0707	Landing/Turning Space	4.50	0.07	1.6%	0.1% to 2.0%								
W0801	W0802	Ramp Running Slope	15.62	1.01	6.5%	0.5% to 8.3%					W0801	111+45.50	17.04	1433.32
W0802	W0803	Landing/Turning Space	4.49	0.06	1.3%	0.1% to 2.0%					W0802	111+45.39	32.75	1434.33
W0803	W0804	Sidewalk Running Slope	15.08	0.55	3.6%	0.5% to 5.0%					W0803	111+45.39	37.24	1434.39
W0804	W0805	Sidewalk Cross Slope	4.47	0.08	1.8%	0.5% to 2.0%					W0804	111+45.38	52.32	1434.94
W0805	W0806	Sidewalk Running Slope	15.08	-0.61	-4.0%	0.5% to 5.0%					W0805	111+40.89	52.32	1435.02
W0806	W0807	Sidewalk Running Slope	15.06	0.60	4.0%	0.5% to 5.0%					W0806	111+40.92	37.19	1434.41
W0807	W0808	Sidewalk Cross Slope	4.49	-0.05	-1.1%	0.5% to 2.0%					W0807	111+25.86	37.42	1435.01
W0808	W0809	Sidewalk Running Slope	15.06	-0.60	-4.0%	0.5% to 5.0%					W0808	111+25.84	32.93	1434.96
W0809	W0810	Ramp Running Slope	16.84	-1.13	-6.7%	0.5% to 8.3%					W0809	111+40.86	32.70	1434.36
W0810	W0801	Crosswalk Cross Slope - Yield Condition	4.47	0.09	2.0%	0.0% to 2.0%					W0810	111+41.00	17.09	1433.23
W0802	W0809	Landing/Turning Space	4.47	0.03	0.7%	0.1% to 2.0%								
W0806	W0809	Landing/Turning Space	4.49	-0.05	-1.1%	0.1% to 2.0%								
W0803	W0806	Landing/Turning Space	4.47	0.02	0.4%	0.1% to 2.0%								

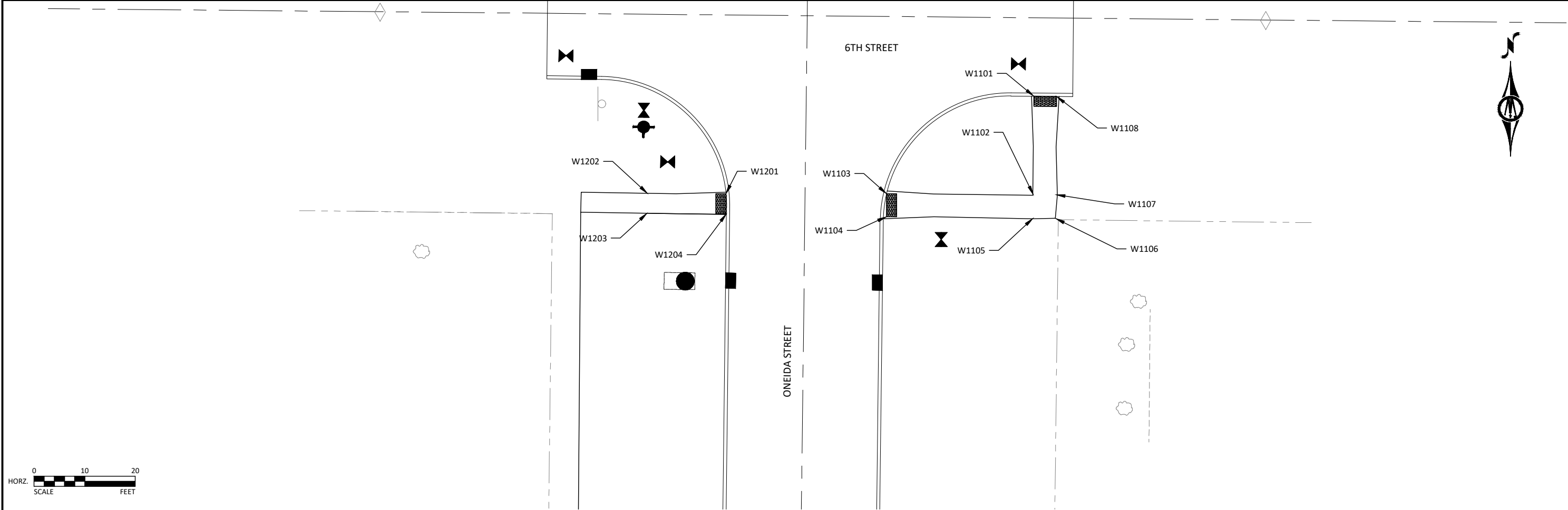


SIDEWALK COMPLIANCE

113-10
04-18-17

* Does not include curb
1 Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Point to Point		Sidewalk Designation	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? 1	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
			FT	FT	%	Pos. or Neg.		%			Point	Station	Offset	Elevation
W0501	W0502	Ramp Running Slope	14.58	1.09	7.5%	0.5% to 8.3%					W0501	112+14.44	17.23	1432.58
W0502	W0503	Landing/Turning Space	4.48	0.07	1.6%	0.1% to 2.0%					W0502	112+14.95	31.58	1433.67
W0503	W0504	Sidewalk Running Slope	19.01	0.89	4.7%	0.5% to 5.0%					W0503	112+14.96	36.07	1433.74
W0504	W0505	Sidewalk Cross Slope	4.04	0.03	0.7%	0.5% to 2.0%					W0504	112+14.99	55.08	1434.63
W0505	W0506	Sidewalk Running Slope	18.42	-0.91	-4.9%	0.5% to 5.0%					W0505	112+19.02	54.94	1434.66
W0506	W0507	Landing/Turning Space	4.48	-0.07	-1.6%	0.1% to 2.0%					W0506	112+19.25	36.00	1433.75
W0507	W0508	Ramp Running Slope	15.64	-1.17	-7.5%	0.5% to 8.3%					W0507	112+19.30	31.52	1433.68
W0508	W0501	Ramp Cross Slope	4.04	0.07	1.7%	0.1% to 2.0%					W0508	112+19.04	17.07	1432.51
W0601	W0602	Ramp Running Slope	19.96	0.52	2.6%	0.5% to 8.3%					W0601	111+94.68	45.20	1433.18
W0602	W0603	Ramp Running Slope	28.96	-1.19	-4.1%	0.5% to 8.3%					W0602	112+14.37	45.06	1433.70
W0603	W0604	Crosswalk Cross Slope - Yield Condition	4.50	-0.09	-2.0%	0.0% to 2.0%					W0603	112+14.21	16.11	1432.51
W0604	W0605	Ramp Running Slope	29.77	1.33	4.5%	0.5% to 8.3%					W0604	112+18.71	16.16	1432.42
W0605	W0606	Sidewalk Running Slope	4.50	0.05	1.1%	0.5% to 5.0%					W0605	112+19.01	45.29	1433.75
W0606	W0607	Sidewalk Cross Slope	4.50	0.08	1.8%	0.5% to 2.0%					W0606	112+23.51	45.18	1433.80
W0607	W0608	Sidewalk Running Slope	4.50	-0.07	-1.6%	0.5% to 5.0%					W0607	112+23.51	49.74	1433.88
W0608	W0609	Sidewalk Running Slope	4.50	0.06	1.3%	0.5% to 5.0%					W0608	112+19.01	49.69	1433.81
W0609	W0610	Sidewalk Cross Slope	4.50	-0.07	-1.6%	0.5% to 2.0%					W0609	112+19.01	54.19	1433.87
W0610	W0611	Sidewalk Running Slope	4.50	-0.05	-1.1%	0.5% to 5.0%					W0610	112+14.64	54.19	1433.80
W0611	W0612	Ramp Running Slope	19.83	-0.61	-3.1%	0.5% to 8.3%					W0611	112+14.52	49.69	1433.75
W0612	W0601	Crosswalk Cross Slope - No Yield Condition	4.50	0.04	0.9%	0.0% to 5.0%					W0612	111+94.69	49.70	1433.14
W0602	W0605	Landing/Turning Space	4.50	0.05	1.1%	0.1% to 2.0%								
W0602	W0611	Landing/Turning Space	4.50	0.05	1.1%	0.1% to 2.0%								
W0605	W0608	Landing/Turning Space	4.50	0.06	1.3%	0.1% to 2.0%								
W0608	W0611	Landing/Turning Space	4.50	-0.06	-1.3%	0.1% to 2.0%								

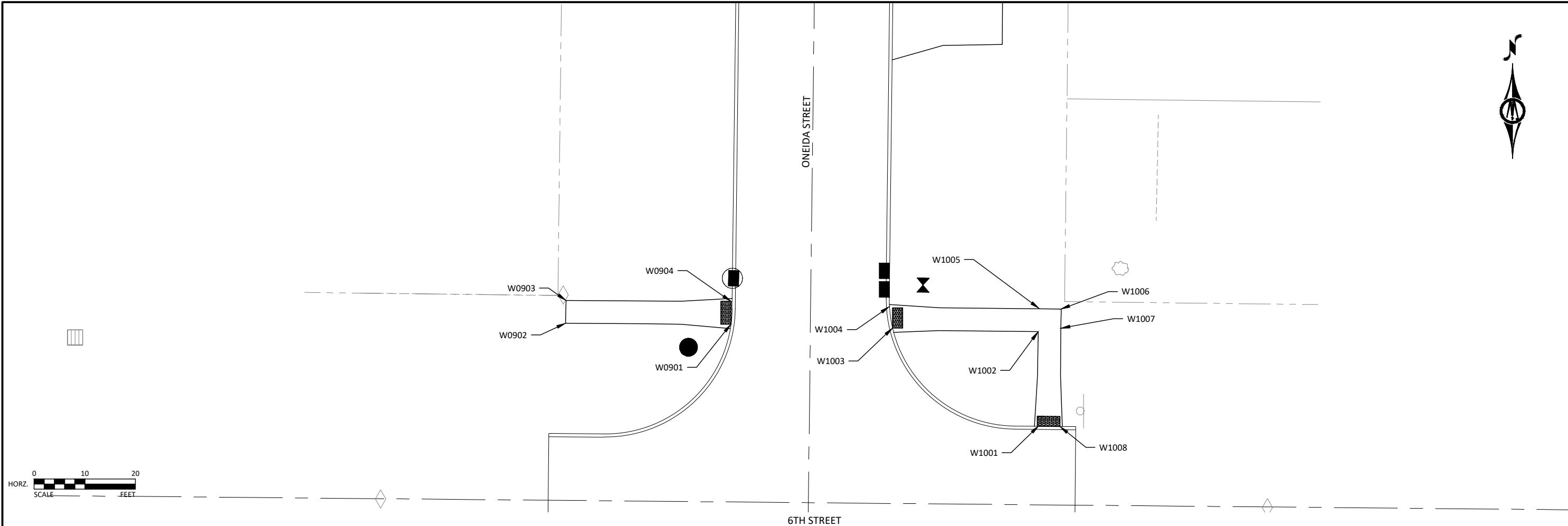


SIDEWALK COMPLIANCE

113-10
04-18-17

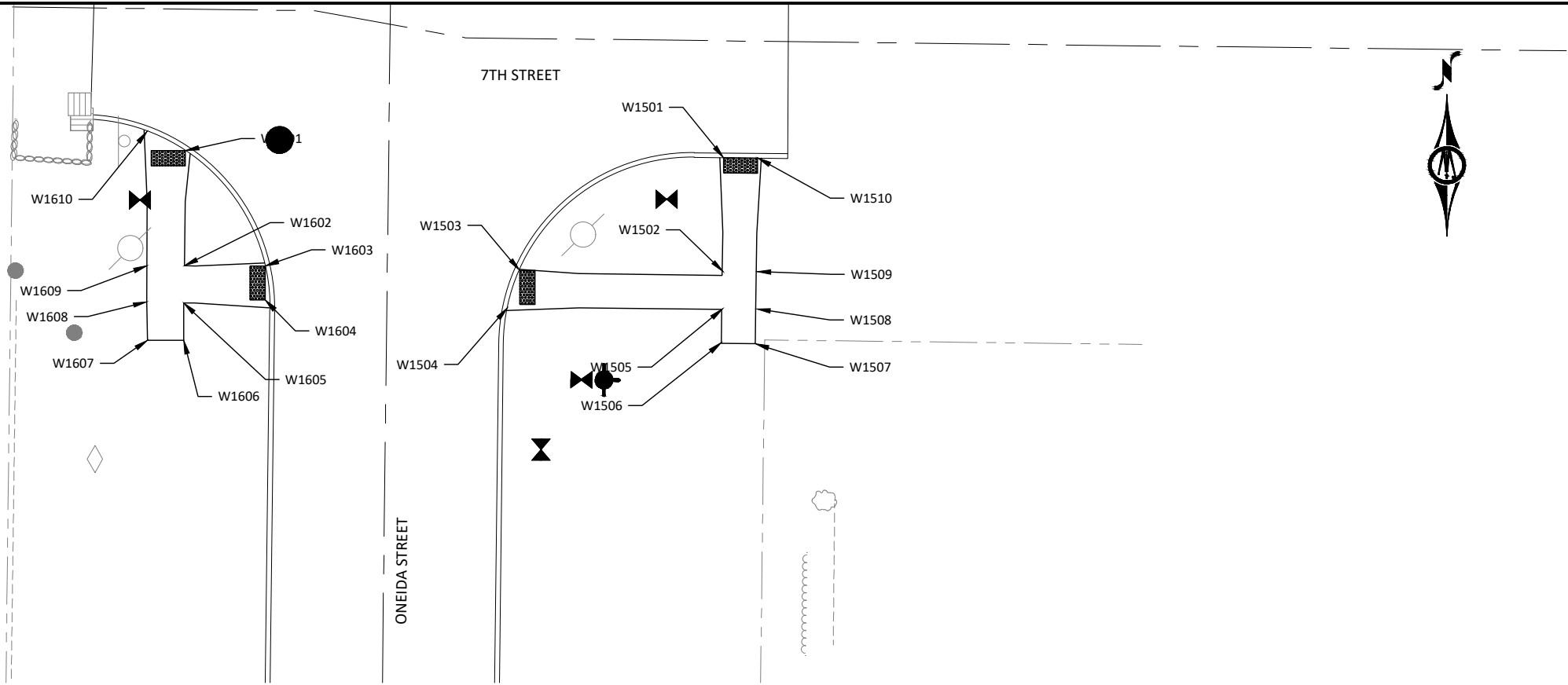
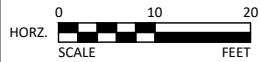
* Does not include curb
1 Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Point to Point		Sidewalk Designation	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? 1	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
			FT	FT	%	Pos. or Neg.		%			Point	Station	Offset	Elevation
W1101	W1102	Ramp Running Slope	19.56	0.75	3.8%	0.5% to 8.3%					W1101	115+44.82	44.97	1433.27
W1102	W1103	Ramp Running Slope	28.90	-1.63	-5.6%	0.5% to 8.3%					W1102	115+25.25	44.98	1434.02
W1103	W1104	Crosswalk Cross Slope - Yield Condition	4.50	-0.08	-1.8%	0.0% to 2.0%					W1103	115+25.18	16.08	1432.39
W1104	W1105	Ramp Running Slope	29.47	1.76	6.0%	0.5% to 8.3%					W1104	115+20.68	16.14	1432.31
W1105	W1106	Landing/Turning Space	4.50	-0.02	-0.4%	0.1% to 2.0%					W1105	115+20.60	44.97	1434.07
W1106	W1107	Landing/Turning Space	4.50	-0.02	-0.4%	0.1% to 2.0%					W1106	115+20.75	49.48	1434.05
W1107	W1108	Ramp Running Slope	19.54	-0.64	-3.3%	0.5% to 8.3%					W1107	115+25.29	49.84	1434.03
W1108	W1101	Crosswalk Cross Slope - No Yield Condition	4.50	-0.12	-2.7%	0.0% to 5.0%					W1108	115+44.82	49.47	1433.39
W1102	W1105	Landing/Turning Space	4.50	0.05	1.1%	0.1% to 2.0%								
W1102	W1107	Landing/Turning Space	4.50	0.01	0.2%	0.1% to 2.0%								
W1201	W1202	Ramp Running Slope	15.57	1.24	8.0%	0.5% to 8.3%					W1201	115+24.81	15.65	1432.38
W1202	W1203	Ramp Cross Slope	4.00	-0.05	-1.2%	0.1% to 2.0%					W1202	115+24.69	31.12	1433.62
W1203	W1204	Ramp Running Slope	15.57	-1.24	-8.0%	0.5% to 8.3%					W1203	115+20.78	31.17	1433.57
W1204	W1201	Crosswalk Cross Slope - Yield Condition	4.00	0.05	1.3%	0.0% to 2.0%					W1204	115+20.78	15.50	1432.33



SIDEWALK COMPLIANCE															113-10
															04-18-17
* Does not include curb															
1 Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.															
Point to Point		Sidewalk Designation	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? 1	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES				
			FT	FT	%	Pos. or Neg.		%			Point	Station	Offset	Elevation	
W0901	W0902	Ramp Running Slope	32.63	1.50	4.6%	0.5% to 8.3%					W0901	115+95.24	15.69	1433.34	
W0902	W0903	Ramp Cross Slope	4.50	0.06	1.3%	0.1% to 2.0%					W0902	115+95.05	48.31	1434.84	
W0903	W0904	Ramp Running Slope	32.80	-1.51	-4.6%	0.5% to 8.3%					W0903	115+99.55	48.30	1434.90	
W0904	W0901	Crosswalk Cross Slope - Yield Condition	4.50	-0.05	-1.1%	0.0% to 2.0%					W0904	115+99.74	15.74	1433.39	
W1001	W1002	Ramp Running Slope	18.66	1.04	5.6%	0.5% to 8.3%					W1001	115+75.82	44.98	1433.63	
W1002	W1003	Ramp Running Slope	28.60	-1.32	-4.6%	0.5% to 8.3%					W1002	115+94.47	44.95	1434.67	
W1003	W1004	Crosswalk Cross Slope - Yield Condition	4.50	0.03	0.7%	0.0% to 2.0%					W1003	115+94.87	16.21	1433.35	
W1004	W1005	Ramp Running Slope	29.81	1.35	4.5%	0.5% to 8.3%					W1004	115+98.87	16.16	1433.38	
W1005	W1006	Landing/Turning Space	4.50	0.02	0.4%	0.1% to 2.0%					W1005	115+99.08	45.09	1434.73	
W1006	W1007	Landing/Turning Space	4.50	-0.05	-1.1%	0.1% to 2.0%					W1006	115+98.99	49.37	1434.75	
W1007	W1008	Ramp Running Slope	18.78	-0.98	-5.2%	0.5% to 8.3%					W1007	115+95.22	49.42	1434.70	
W1008	W1001	Crosswalk Cross Slope - No Yield Condition	4.50	-0.09	-2.0%	0.0% to 5.0%					W1008	115+75.82	49.48	1433.72	
W1002	W1005	Landing/Turning Space	4.50	0.06	1.3%	0.1% to 2.0%									
W1002	W1007	Landing/Turning Space	4.50	0.03	0.7%	0.1% to 2.0%									

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SIDEWALK COMPLIANCE

113-10
04-18-17

* Does not include curb
1 Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Point to Point		Sidewalk Designation	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? 1	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
			FT	FT	%	Pos. or Neg.		%			Point	Station	Offset	Elevation
W1501	W1502	Ramp Running Slope	15.60	0.84	5.4%	0.5% to 8.3%					W1501	120+24.47	44.40	1436.00
W1502	W1503	Ramp Running Slope	27.09	-1.07	-3.9%	0.5% to 8.3%					W1502	120+08.87	44.39	1436.84
W1503	W1504	Crosswalk Cross Slope - No Yield Condition	4.50	-0.04	-0.9%	0.0% to 5.0%					W1503	120+09.20	17.55	1435.77
W1504	W1505	Ramp Running Slope	28.42	1.12	3.9%	0.5% to 8.3%					W1504	120+04.70	17.60	1435.73
W1505	W1506	Sidewalk Running Slope	4.50	-0.11	-2.4%	0.5% to 5.0%					W1505	120+04.37	44.39	1436.85
W1506	W1507	Sidewalk Cross Slope	4.50	0.08	1.8%	0.5% to 2.0%					W1506	119+99.87	44.39	1436.74
W1507	W1508	Sidewalk Running Slope	4.50	0.07	1.6%	0.5% to 5.0%					W1507	119+99.87	48.89	1436.82
W1508	W1509	Landing/Turning Space	4.50	0.01	0.2%	0.1% to 2.0%					W1508	120+04.37	48.89	1436.89
W1509	W1510	Ramp Running Slope	15.59	-0.86	-5.5%	0.5% to 8.3%					W1509	120+09.42	49.02	1436.90
W1510	W1501	Crosswalk Cross Slope - Yield Condition	4.50	-0.04	-0.9%	0.0% to 2.0%					W1510	120+24.50	48.90	1436.04
W1502	W1505	Landing/Turning Space	4.50	0.01	0.2%	0.1% to 2.0%								
W1502	W1509	Landing/Turning Space	4.50	0.06	1.3%	0.1% to 2.0%								
W1505	W1508	Landing/Turning Space	4.50	0.04	0.9%	0.1% to 2.0%								
W1601	W1602	Ramp Running Slope	15.25	0.77	5.0%	0.5% to 8.3%					W1601	120+24.55	26.95	1435.60
W1602	W1603	Ramp Running Slope	10.67	-0.66	-6.2%	0.5% to 8.3%					W1602	120+09.30	26.87	1436.37
W1603	W1604	Crosswalk Cross Slope - Yield Condition	4.93	0.01	0.2%	0.0% to 2.0%					W1603	120+09.41	16.20	1435.71
W1604	W1605	Ramp Running Slope	11.42	0.59	5.2%	0.5% to 8.3%					W1604	120+04.91	16.14	1435.72
W1605	W1606	Sidewalk Running Slope	4.95	-0.10	-2.0%	0.5% to 5.0%					W1605	120+04.37	26.94	1436.31
W1606	W1607	Ramp Running Slope	4.80	0.08	1.7%	0.5% to 8.3%					W1606	119+99.42	26.86	1436.21
W1607	W1608	Sidewalk Running Slope	4.95	0.03	0.6%	0.5% to 5.0%					W1607	119+99.36	31.66	1436.29
W1608	W1609	Landing/Turning Space	4.93	-0.01	-0.2%	0.1% to 2.0%					W1608	120+04.47	31.81	1436.32
W1609	W1610	Ramp Running Slope	17.82	-0.75	-4.2%	0.5% to 8.3%					W1609	120+09.24	31.85	1436.31
W1610	W1601	Crosswalk Cross Slope - Yield Condition	4.87	0.04	0.8%	0.0% to 2.0%					W1610	120+27.06	32.02	1435.56
W1602	W1605	Landing/Turning Space	4.93	-0.06	-1.2%	0.1% to 2.0%								
W1602	W1609	Landing/Turning Space	4.87	-0.06	-1.2%	0.1% to 2.0%								
W1605	W1608	Landing/Turning Space	4.87	0.01	0.2%	0.1% to 2.0%								

ENGLISH

IOWA DOT

DESIGN TEAM POPE / BOLTON & MENK INC

CITY OF STORM LAKE

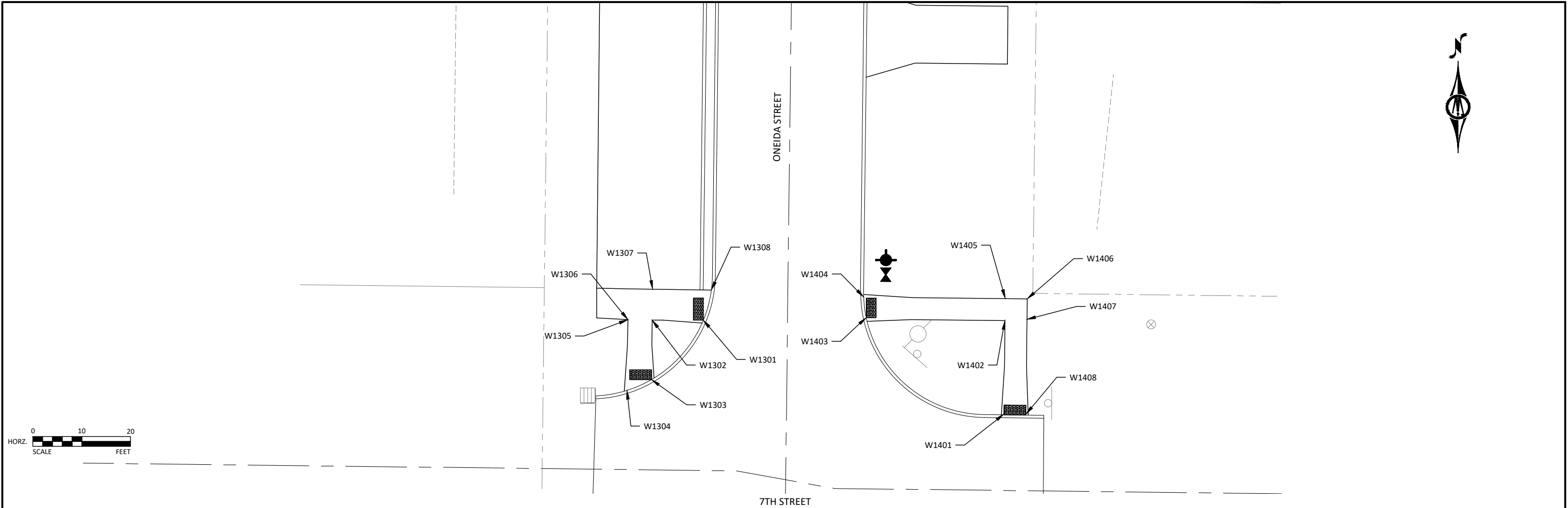
BUENA VISTA COUNTY

PROJECT NUMBER

STBG-SWAP-7422(618)--SG-11

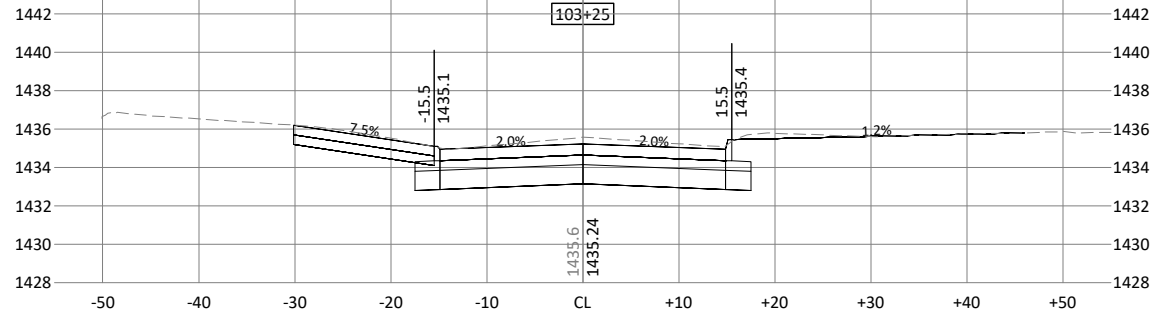
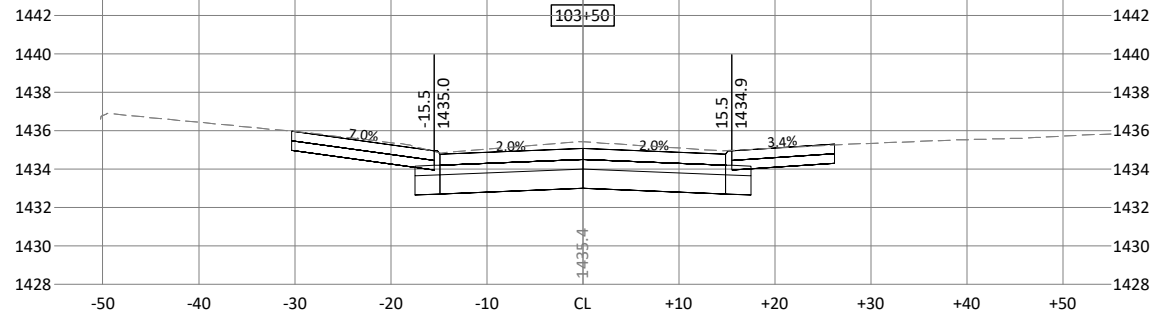
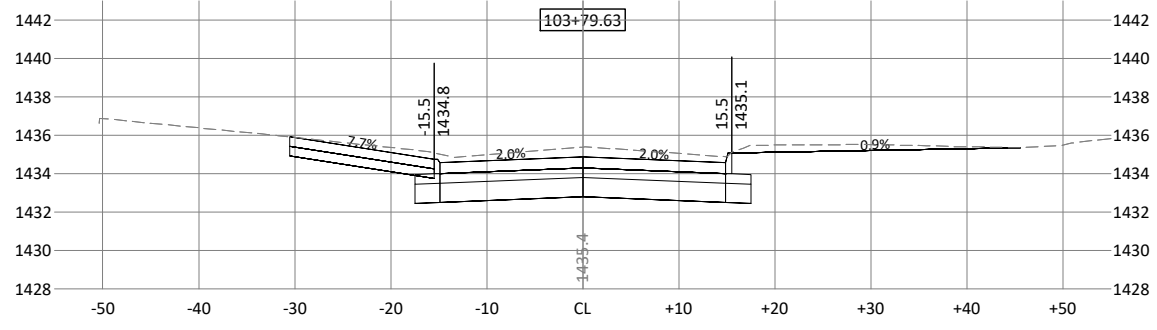
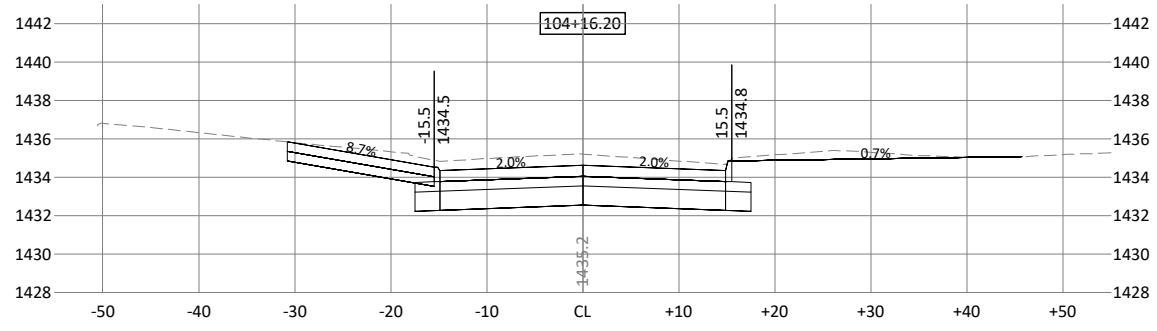
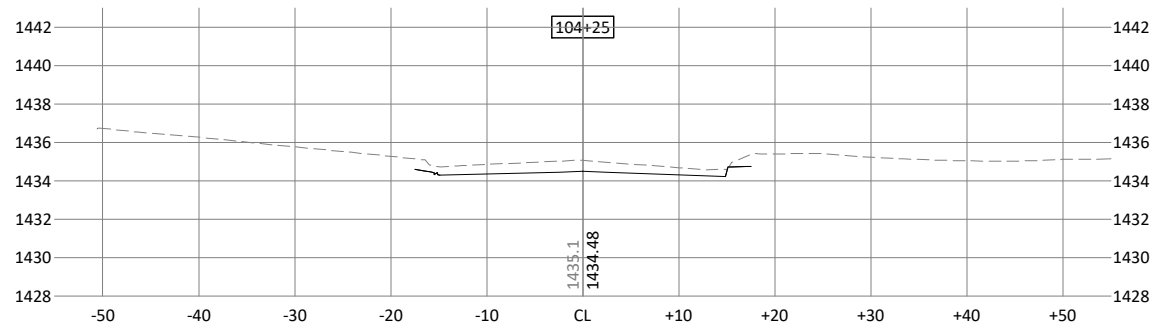
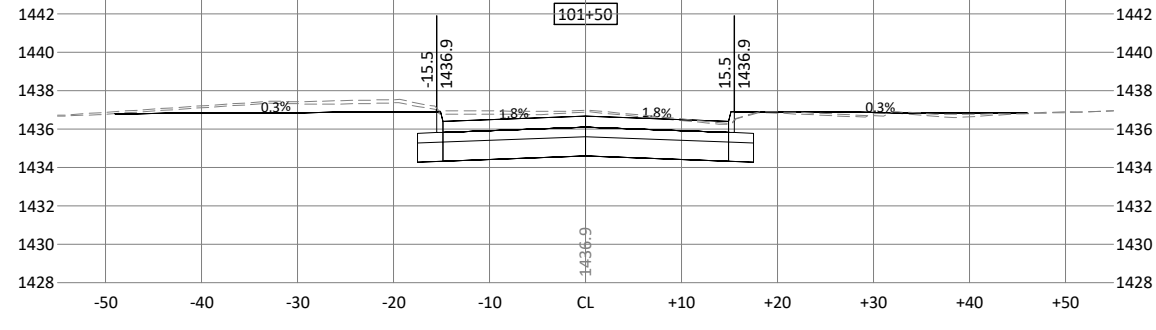
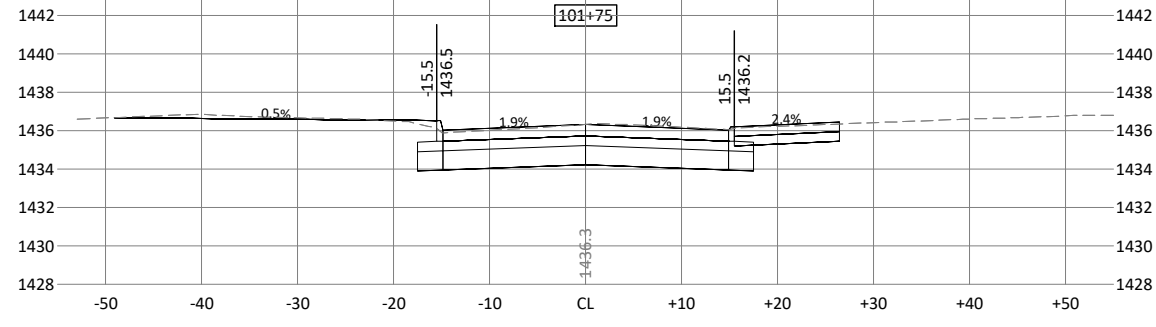
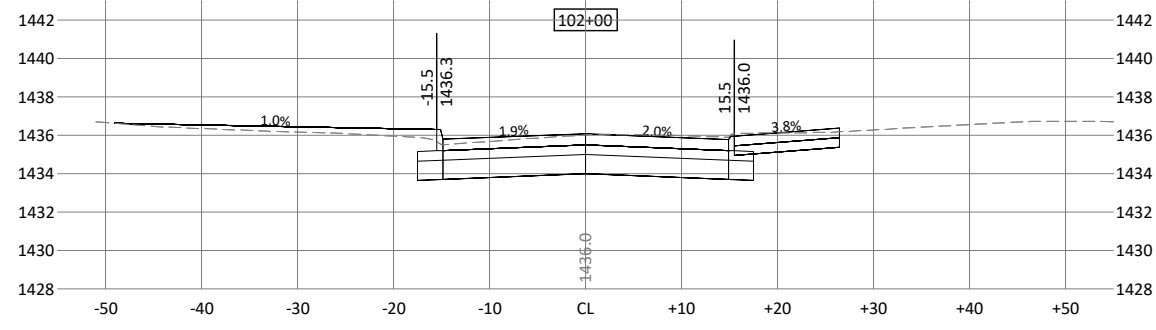
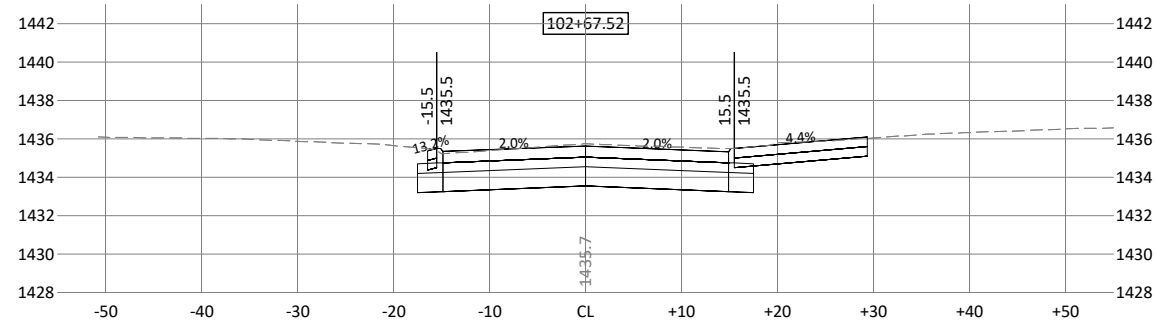
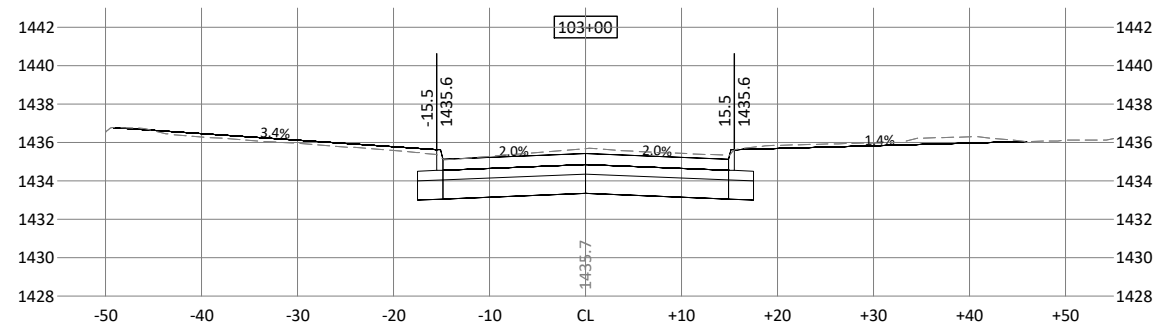
SHEET NUMBER S.06

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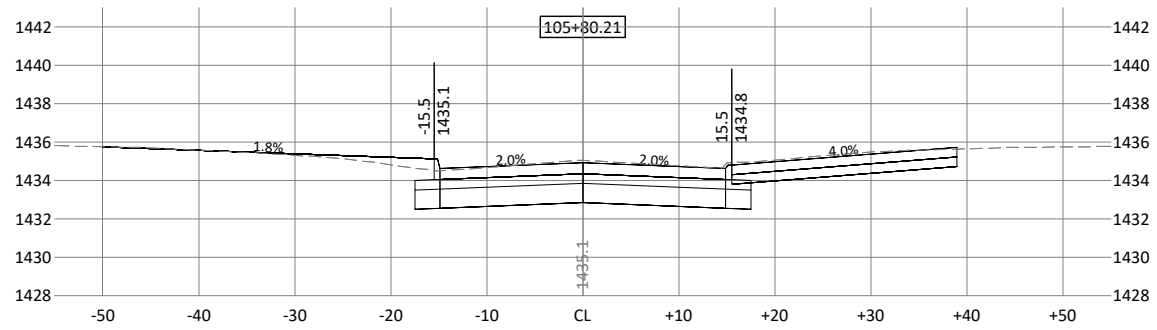
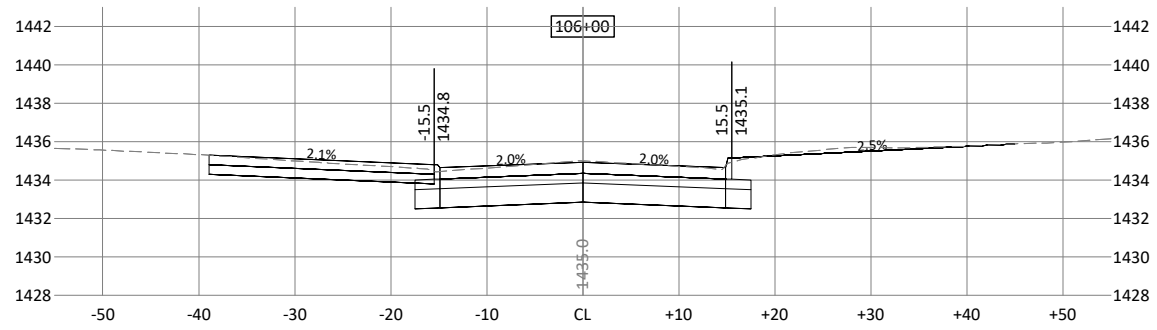
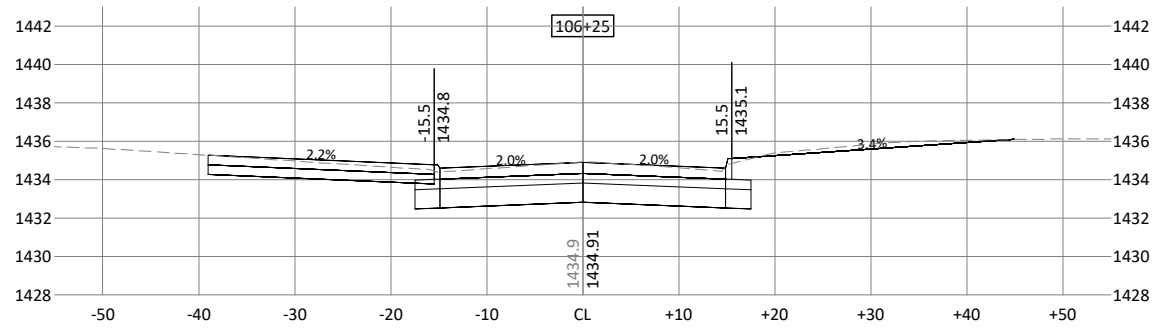
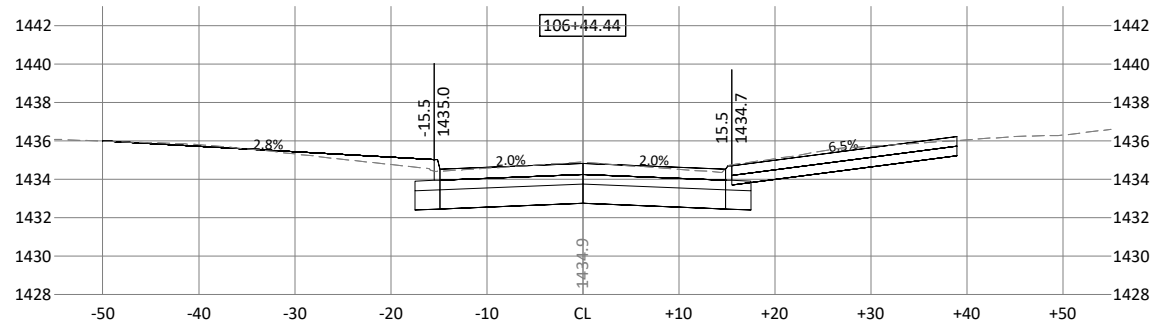
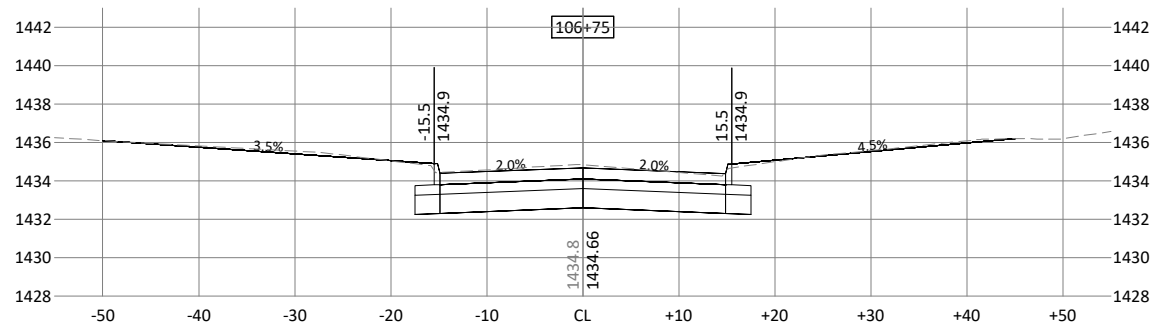
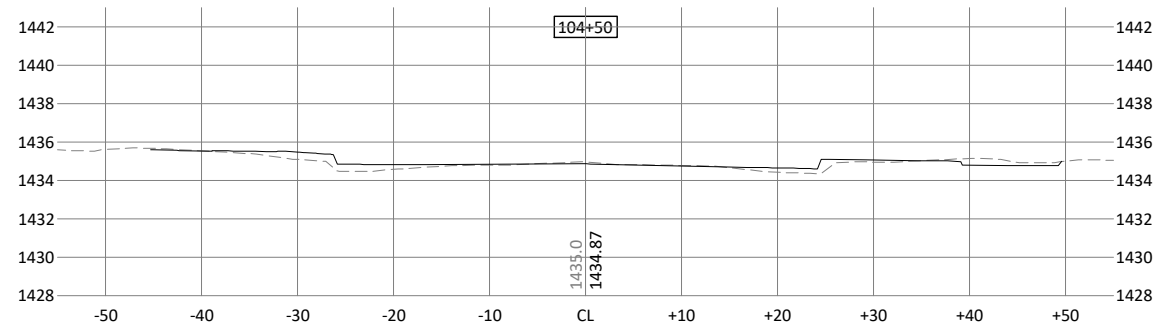
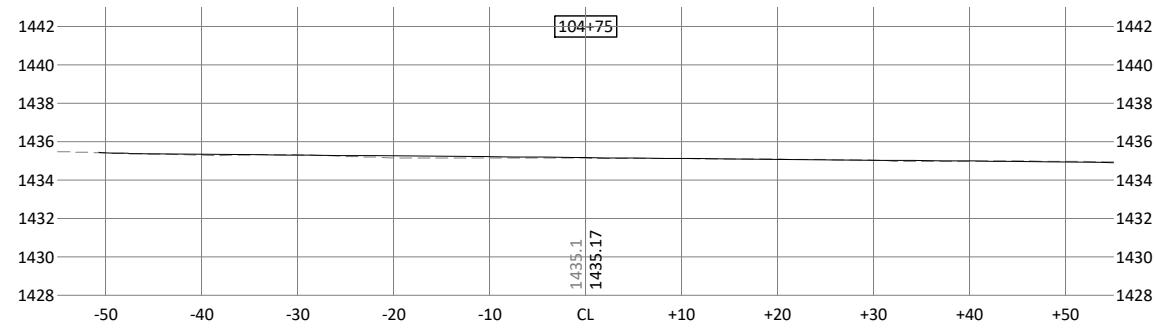
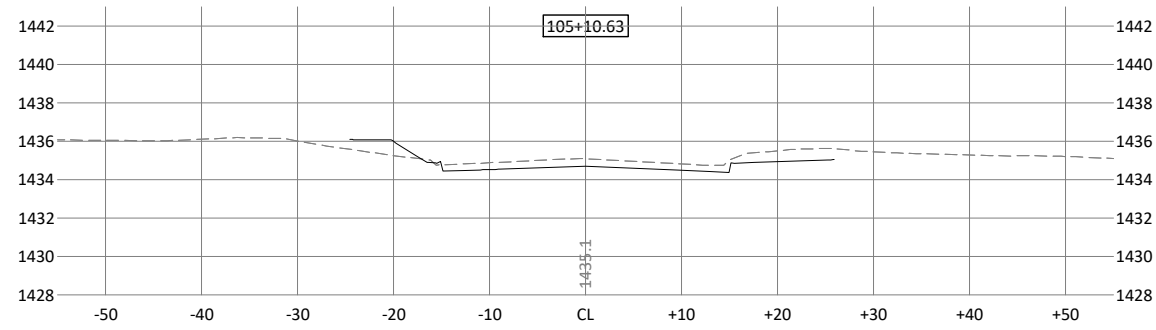
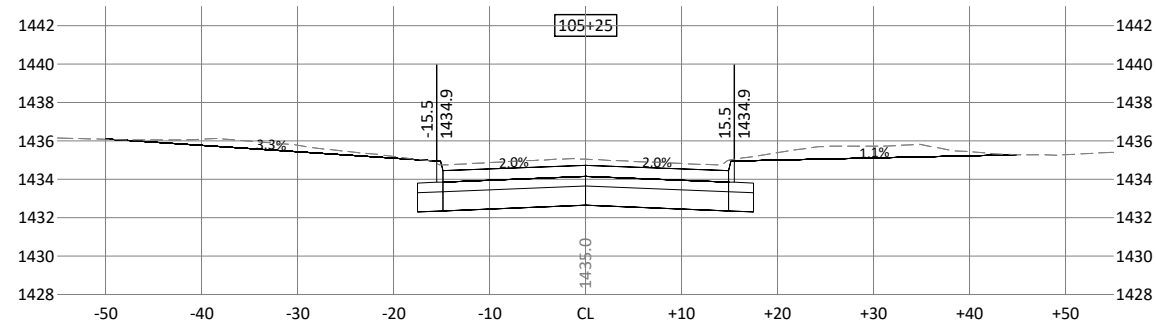
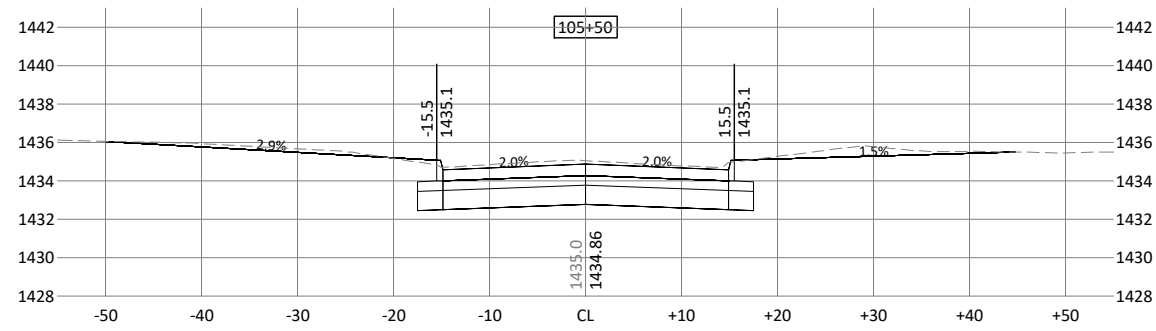


SIDEWALK COMPLIANCE														113-10
														04-18-17
* Does not include curb														
1 Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.														
Point to Point		Sidewalk Designation	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? 1	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
			FT	FT	%	Pos. or Neg.		%			Point	Station	Offset	Elevation
W1301	W1302	Ramp Running Slope	10.47	0.41	3.9%	0.5% to 8.3%					W1301	120+74.00	17.29	1435.59
W1302	W1303	Ramp Running Slope	12.19	-0.51	-4.2%	0.5% to 8.3%					W1302	120+74.00	27.69	1436.00
W1303	W1304	Crosswalk Cross Slope - Yield Condition	4.99	-0.05	-1.0%	0.0% to 2.0%					W1303	120+61.81	27.69	1435.49
W1304	W1305	Ramp Running Slope	14.47	0.51	3.5%	0.5% to 8.3%					W1304	120+59.53	32.71	1435.44
W1305	W1306	Landing/Turning Space	6.32	0.01	0.2%	0.1% to 2.0%					W1305	120+74.00	32.68	1435.95
W1306	W1307	Landing/Turning Space	4.99	-0.02	-0.4%	0.1% to 2.0%					W1306	120+80.35	32.67	1435.96
W1307	W1308	Ramp Running Slope	12.01	-0.30	-2.5%	0.5% to 8.3%					W1307	120+80.32	27.69	1435.94
W1308	W1301	Crosswalk Cross Slope - Yield Condition	6.32	-0.05	-0.8%	0.0% to 2.0%					W1308	120+80.25	15.68	1435.64
W1302	W1305	Landing/Turning Space	4.99	-0.05	-1.0%	0.1% to 2.0%								
W1302	W1307	Landing/Turning Space	6.32	-0.06	-0.9%	0.1% to 2.0%								
W1401	W1402	Ramp Running Slope	19.27	0.55	2.9%	0.5% to 8.3%					W1401	120+55.59	44.52	1436.17
W1402	W1403	Ramp Running Slope	28.30	-0.95	-3.4%	0.5% to 8.3%					W1402	120+74.73	44.52	1436.72
W1403	W1404	Crosswalk Cross Slope - No Yield Condition	4.50	-0.12	-2.7%	0.0% to 5.0%					W1403	120+75.03	16.10	1435.77
W1404	W1405	Ramp Running Slope	28.88	1.10	3.8%	0.5% to 8.3%					W1404	120+79.03	16.05	1435.65
W1405	W1406	Landing/Turning Space	4.50	0.08	1.8%	0.1% to 2.0%					W1405	120+79.31	44.52	1436.75
W1406	W1407	Landing/Turning Space	4.50	-0.05	-1.1%	0.1% to 2.0%					W1406	120+79.23	49.02	1436.83
W1407	W1408	Ramp Running Slope	19.17	-0.69	-3.6%	0.5% to 8.3%					W1407	120+75.03	49.02	1436.78
W1408	W1401	Crosswalk Cross Slope - Yield Condition	4.50	0.08	1.8%	0.0% to 2.0%					W1408	120+55.46	49.02	1436.09
W1402	W1405	Landing/Turning Space	4.50	0.03	0.7%	0.1% to 2.0%								
W1402	W1407	Landing/Turning Space	4.50	0.06	1.3%	0.1% to 2.0%								

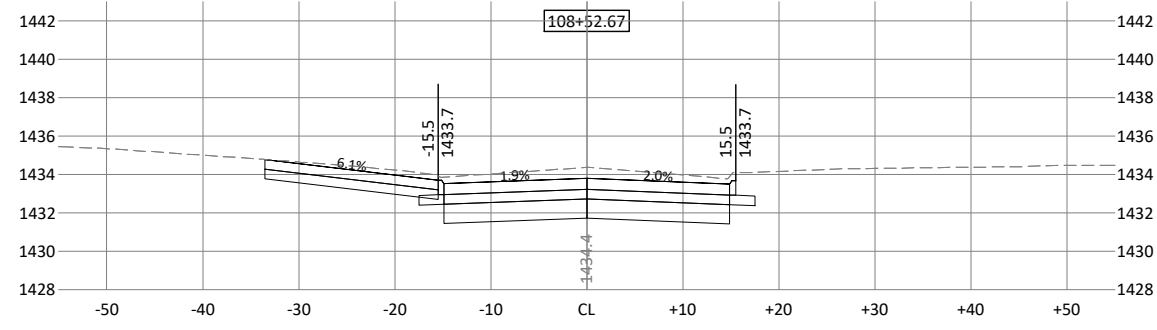
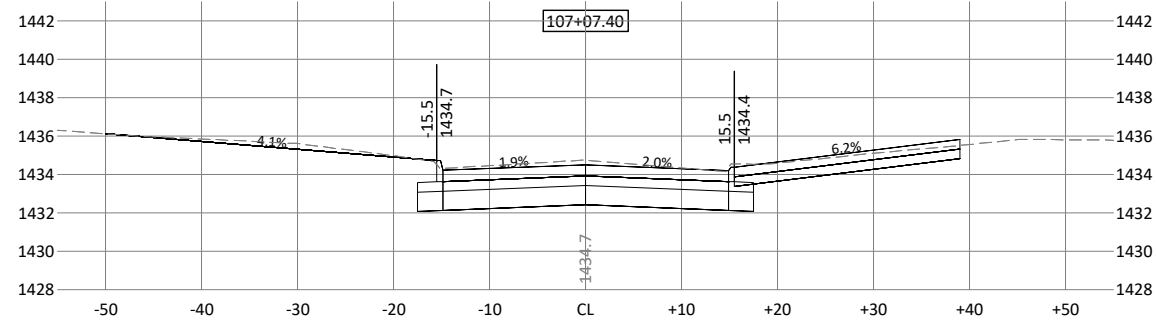
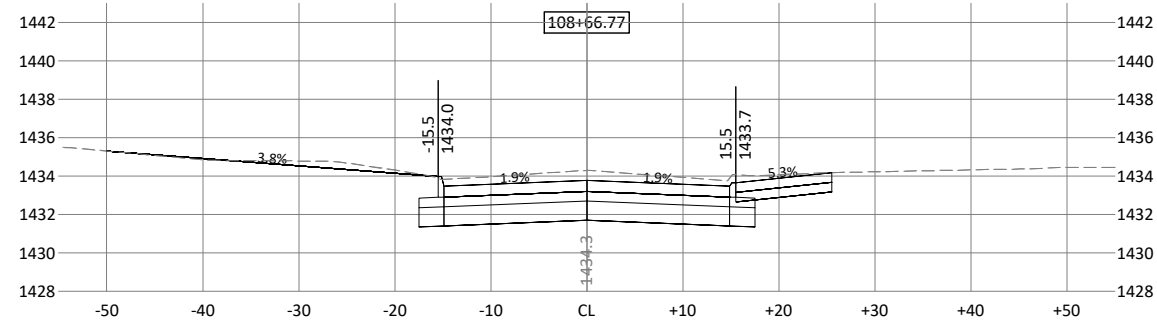
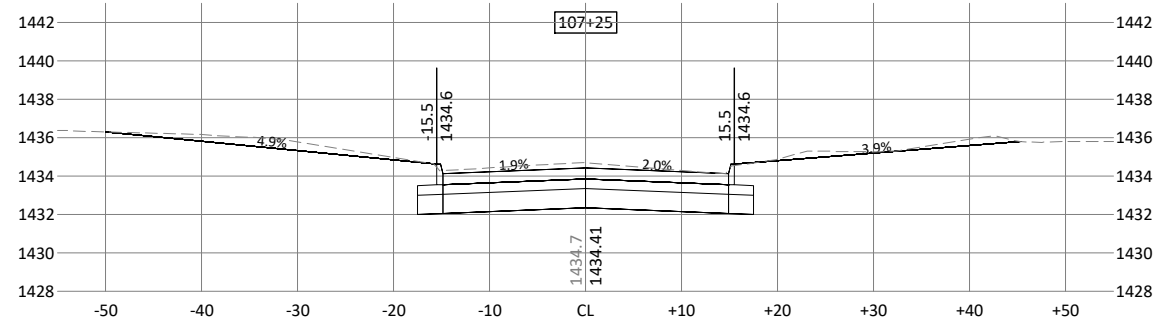
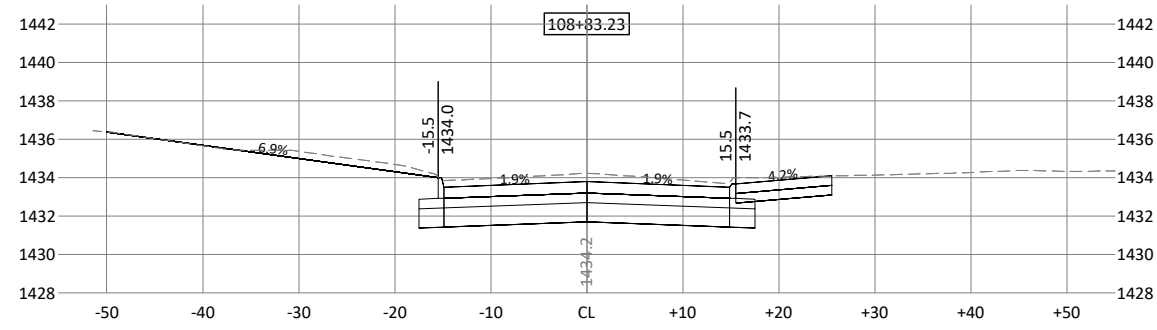
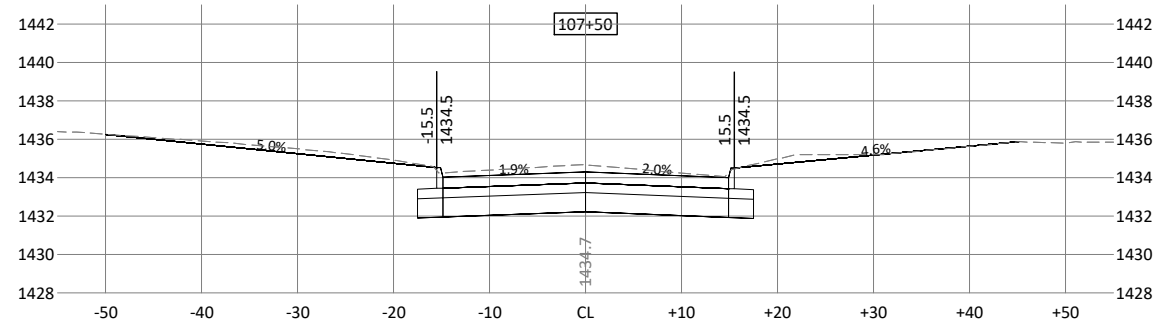
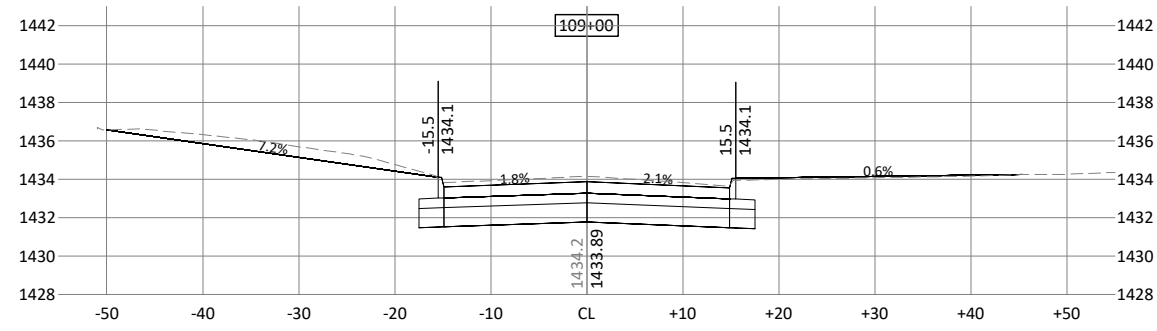
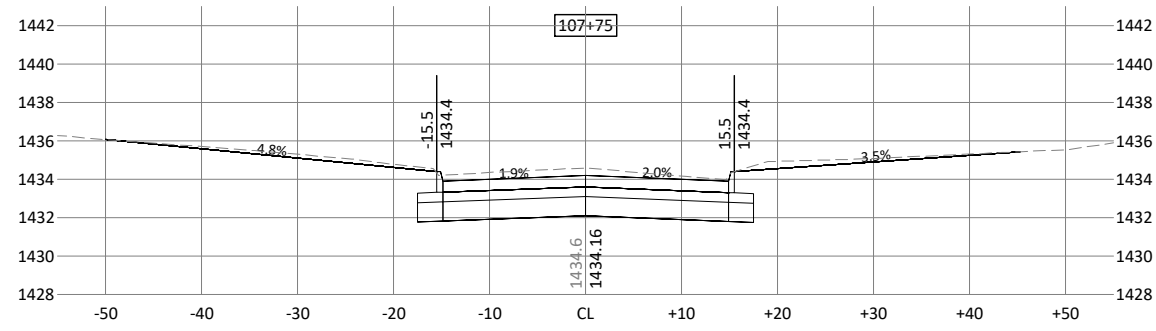
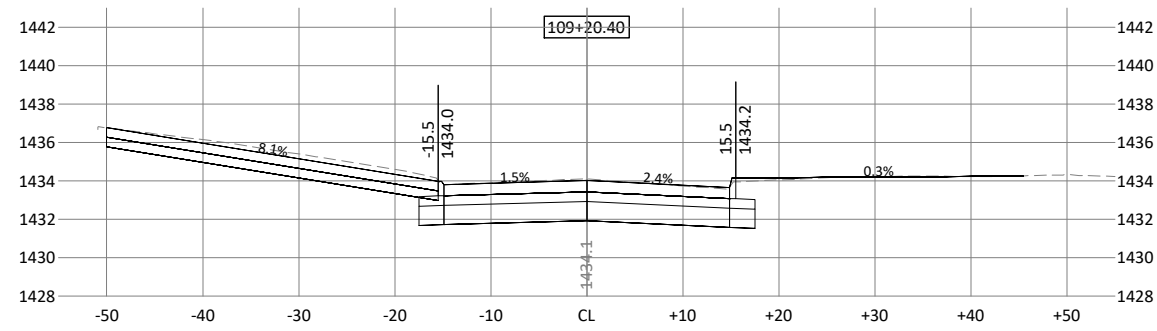
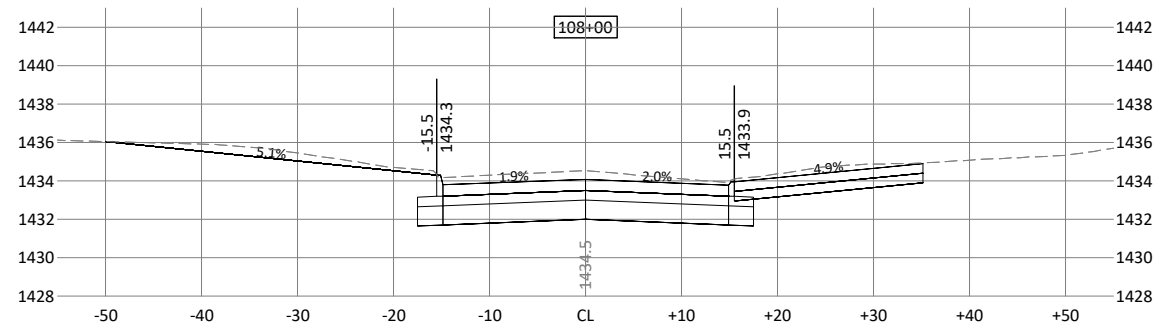
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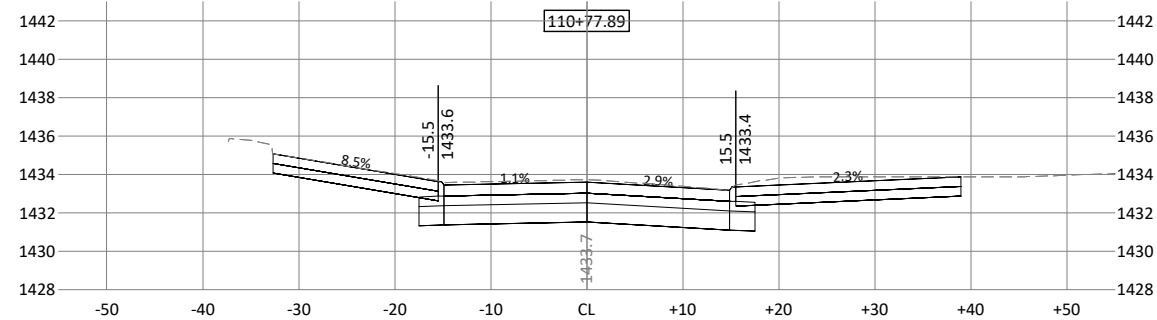
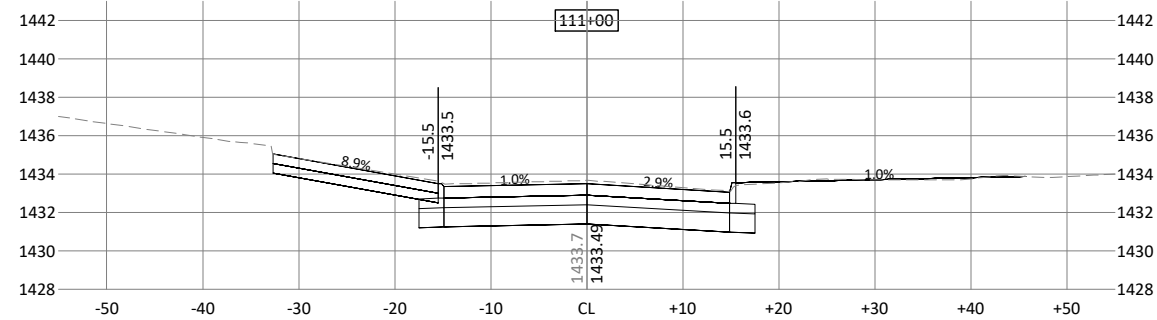
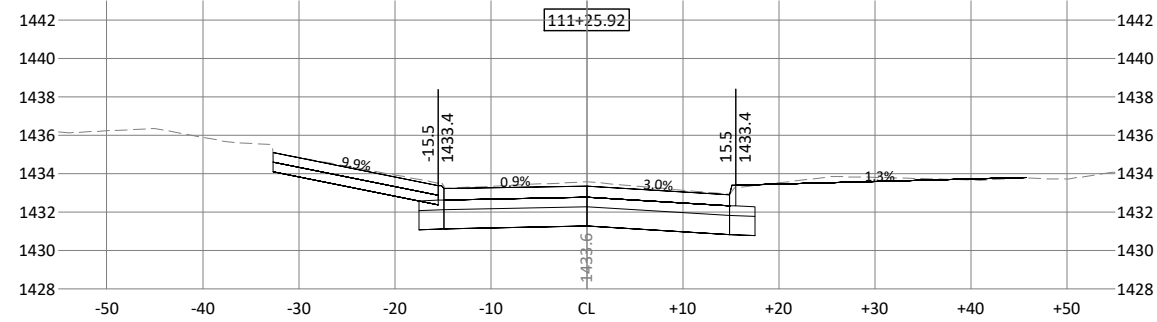
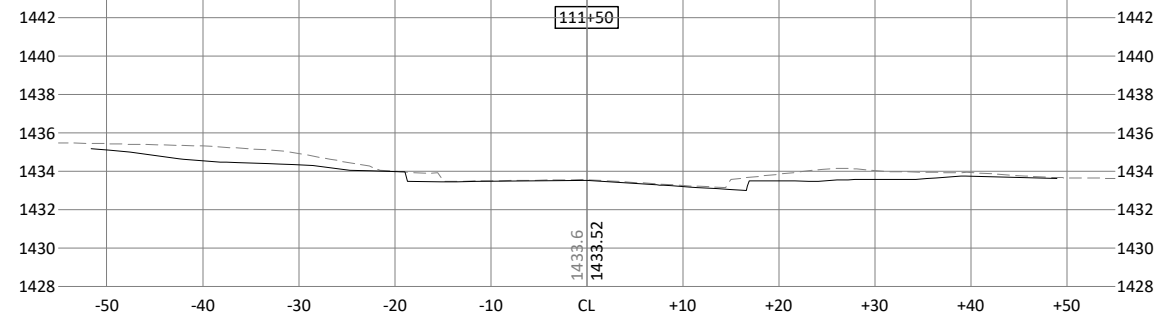
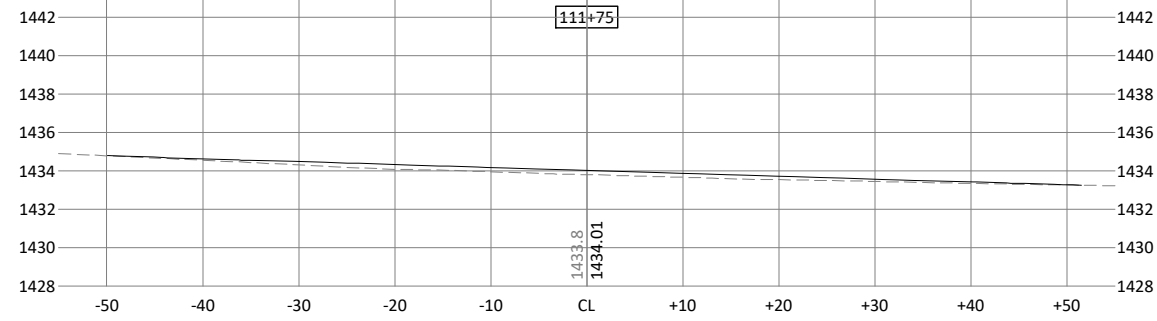
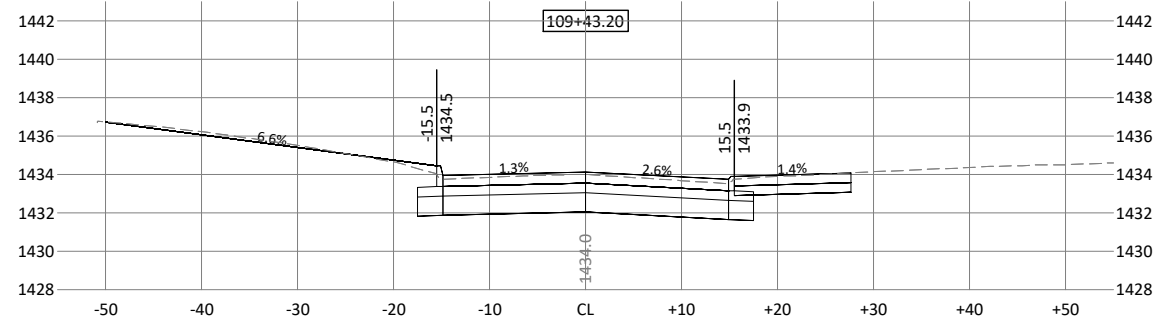
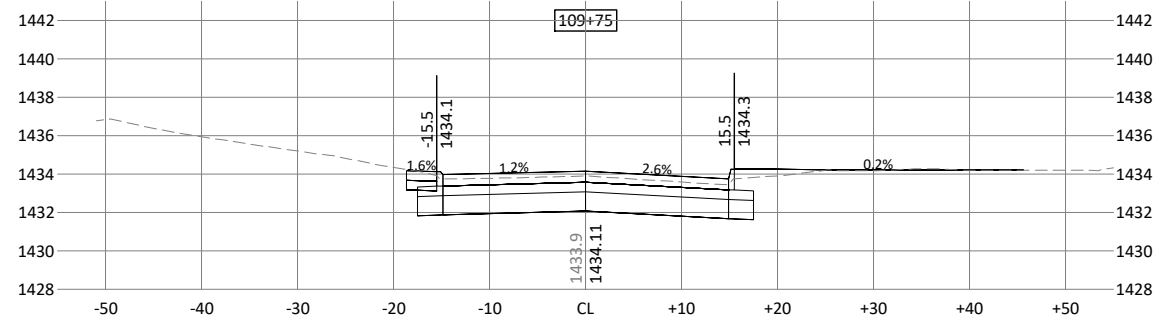
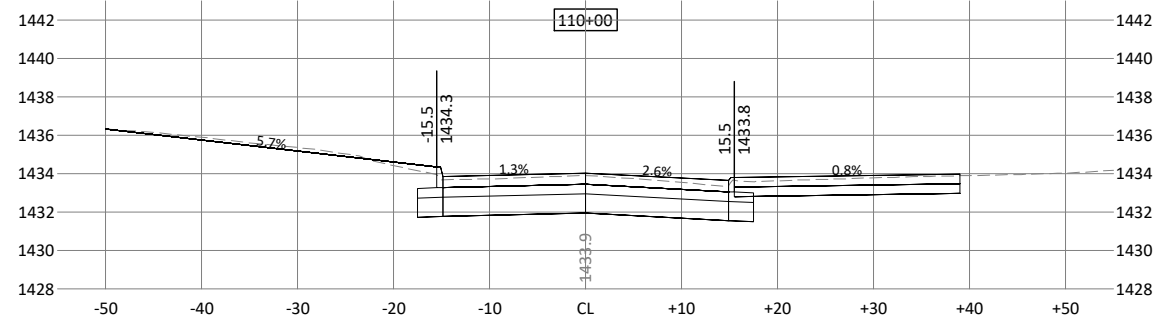
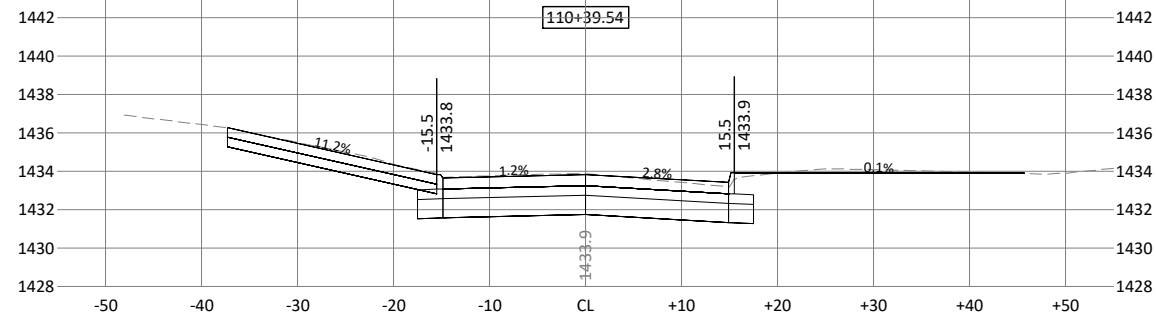
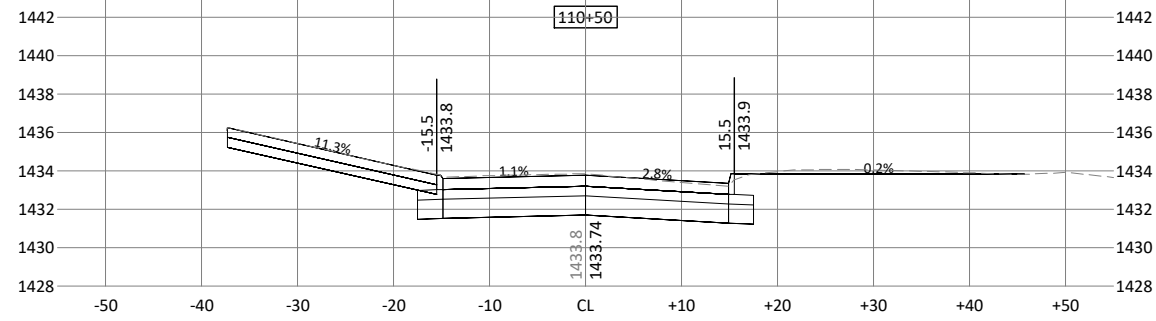
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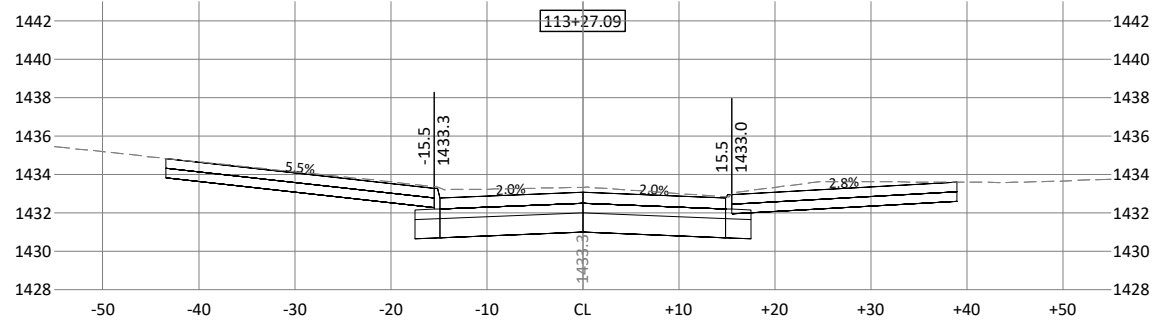
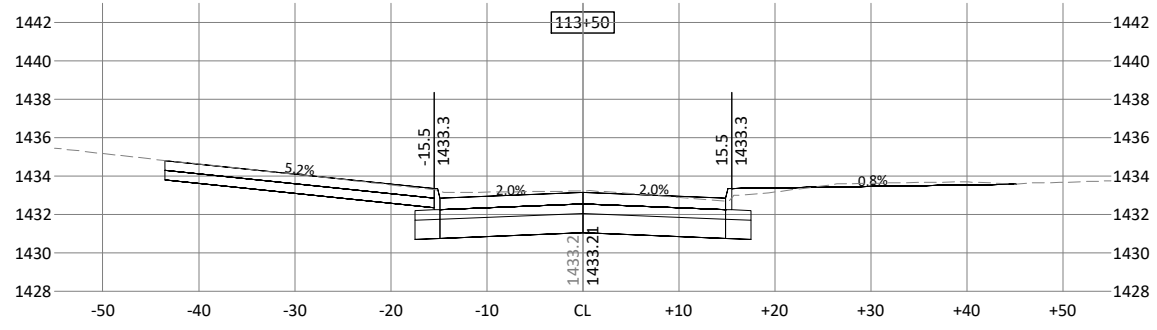
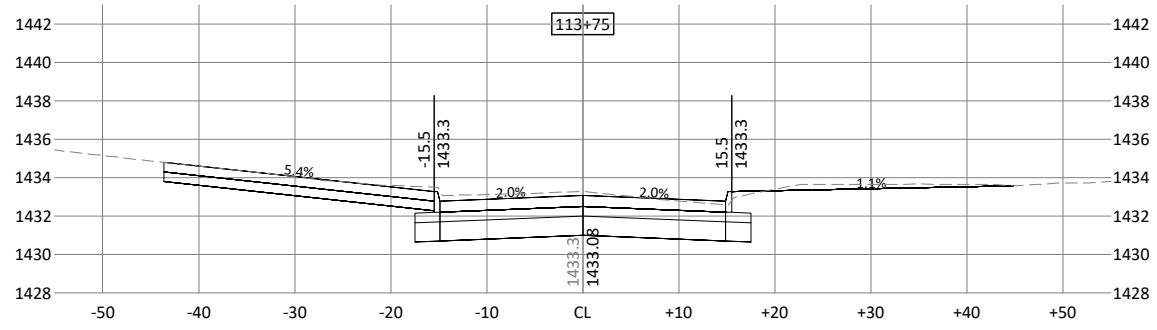
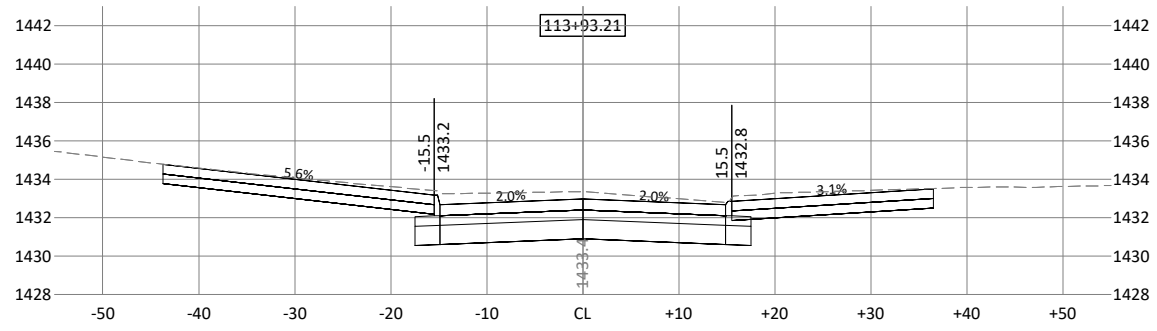
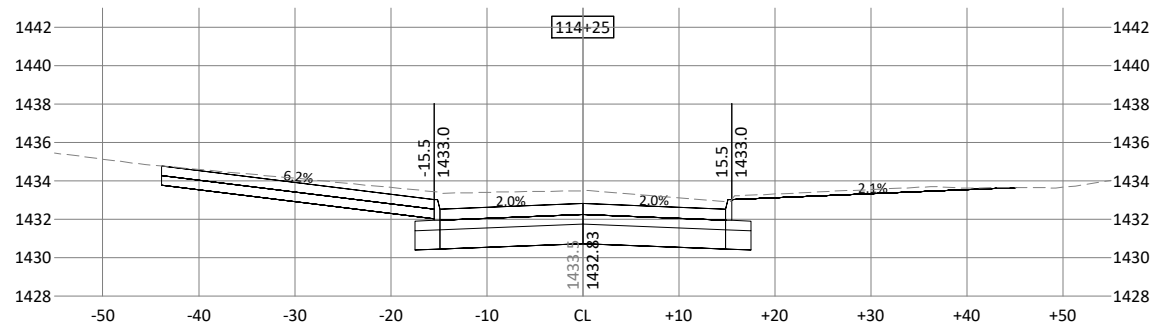
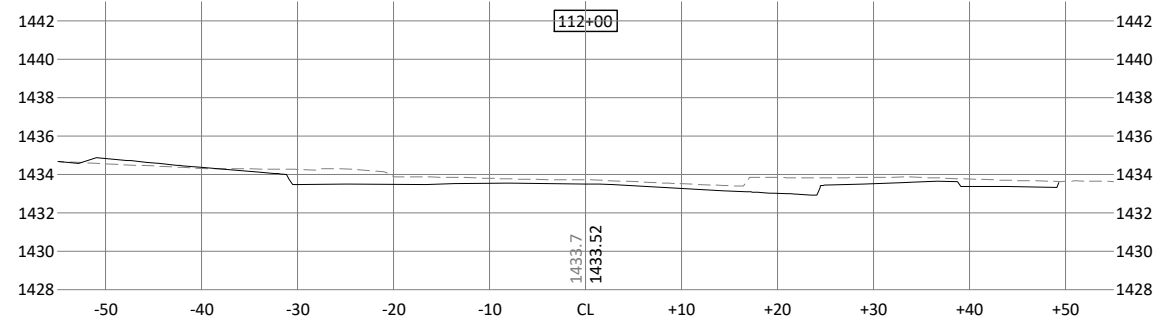
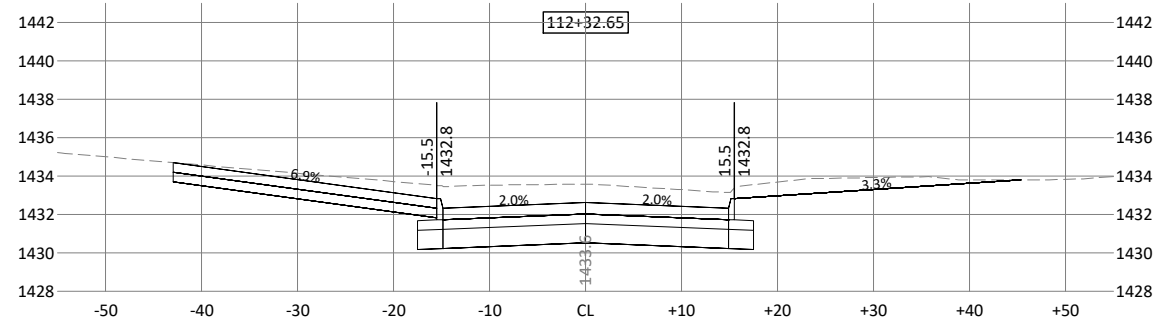
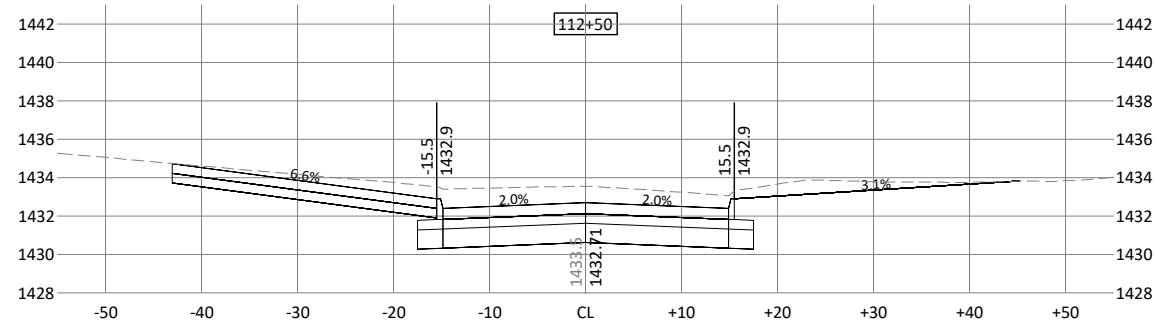
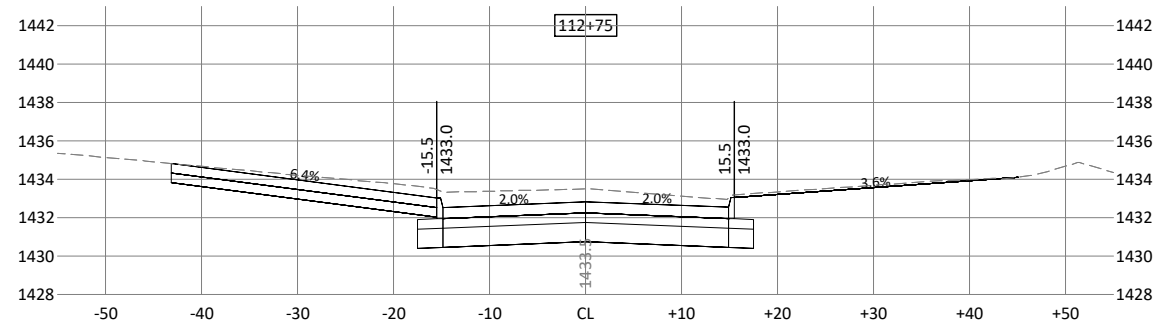
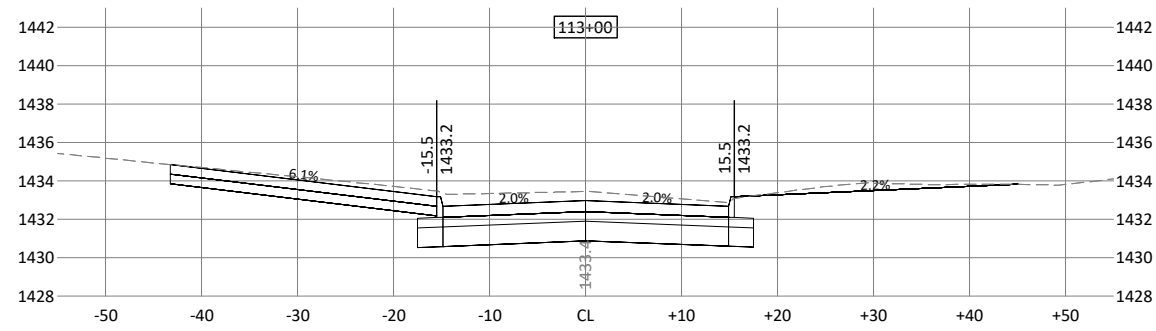
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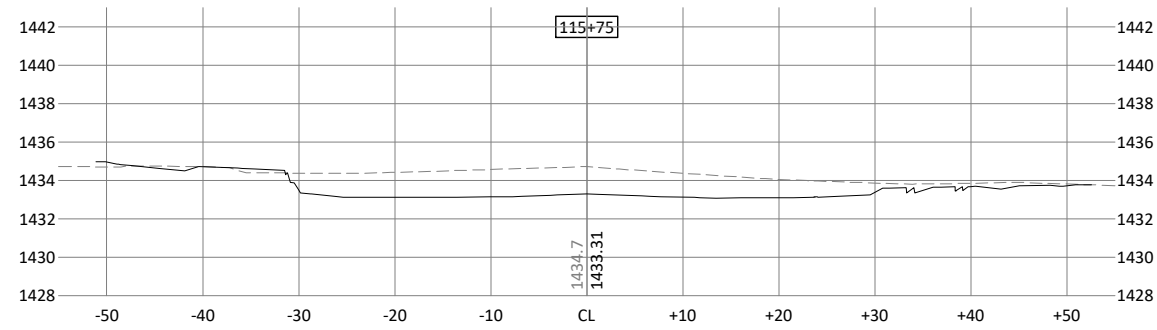
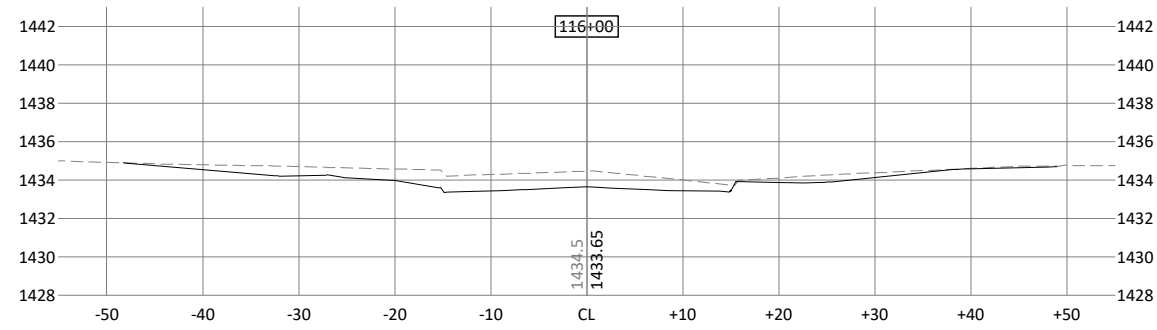
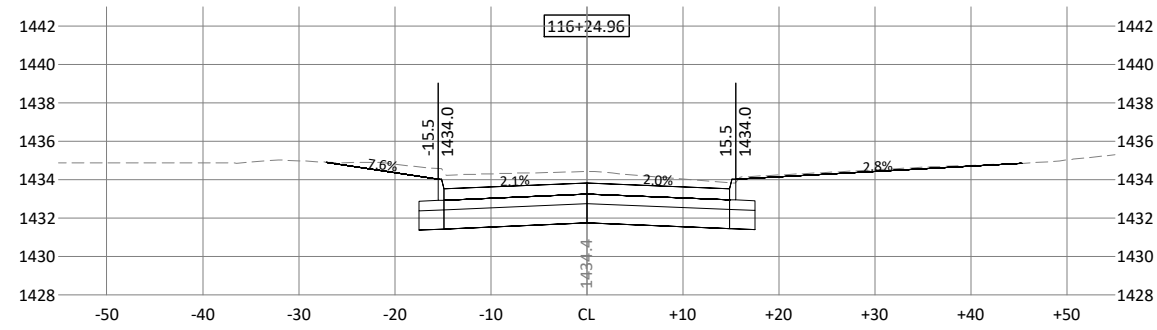
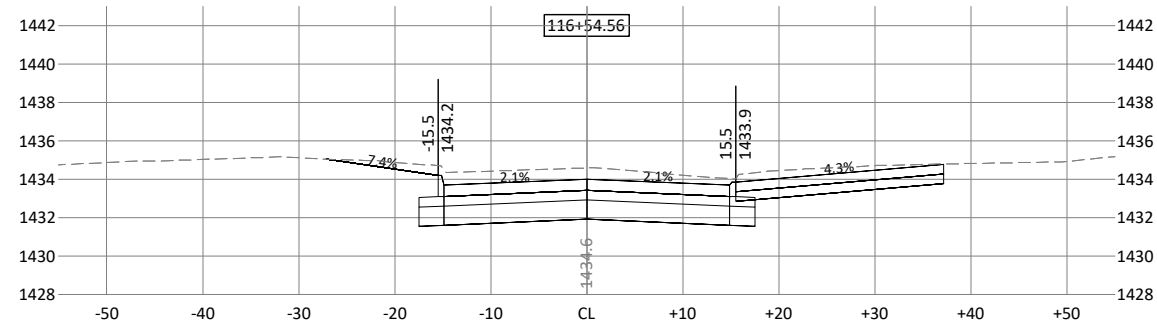
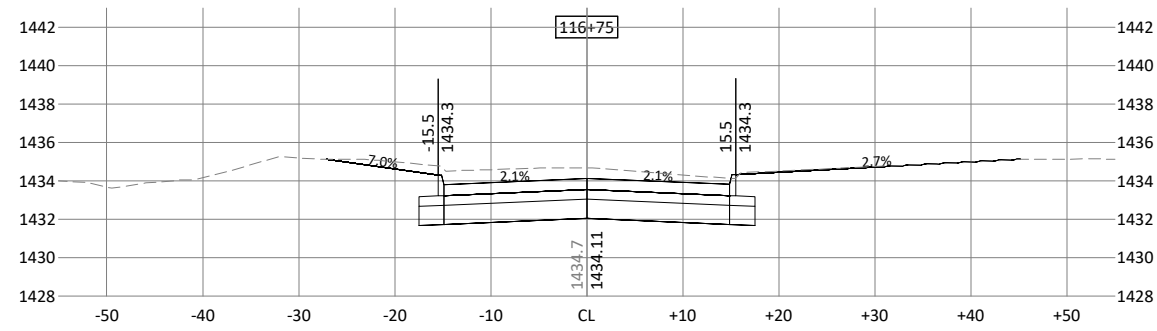
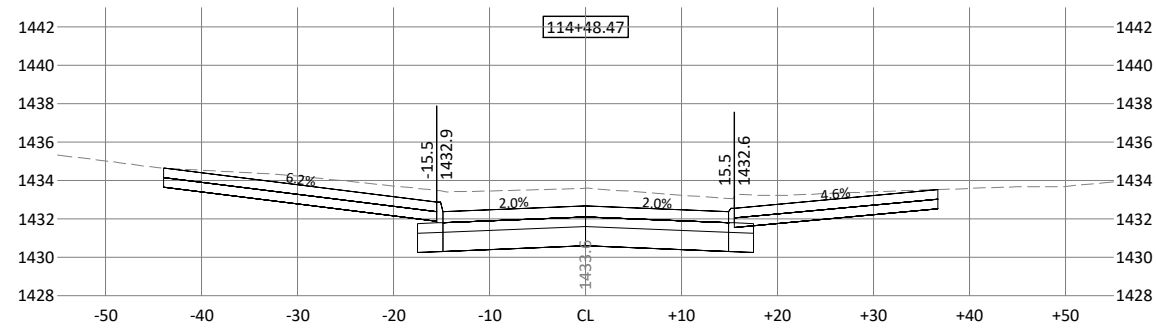
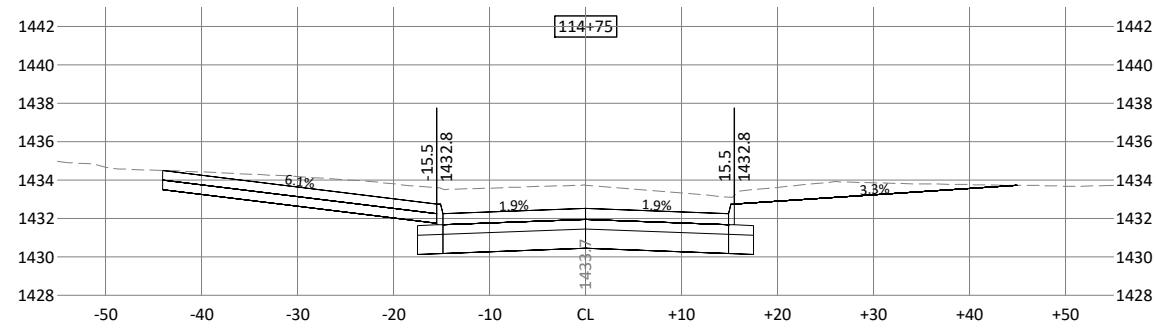
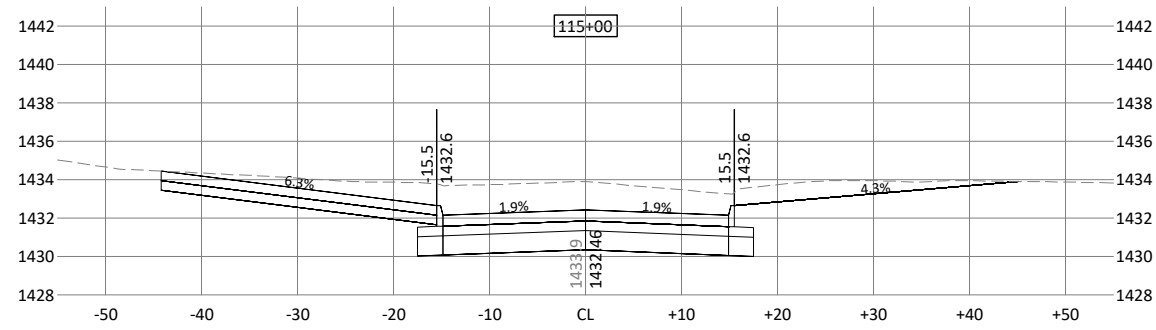
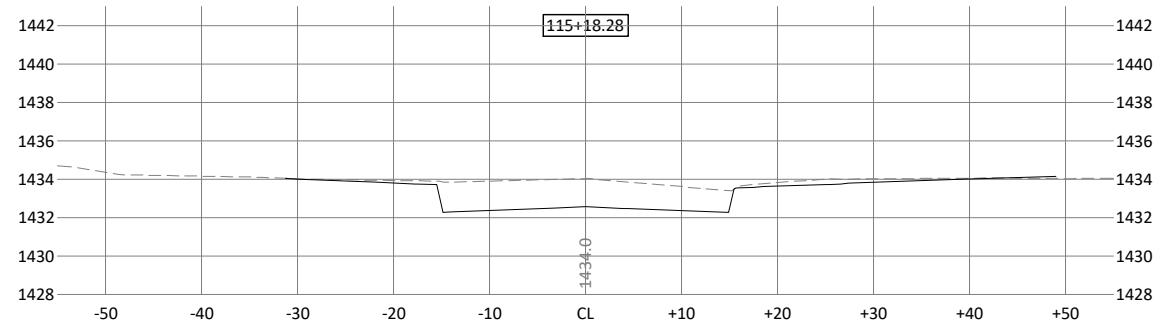
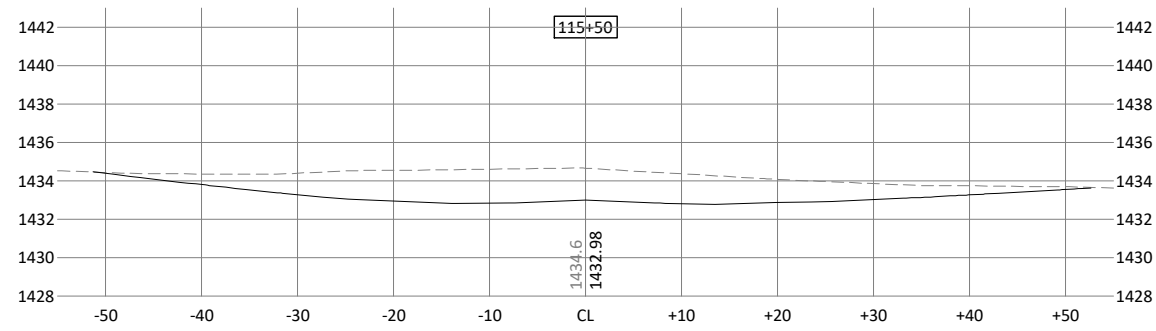
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ENGLISH

IOWA DOT

DESIGN TEAM

POPE / BOLTON & MENK INC

CITY OF STORM LAKE

BUENA VISTA COUNTY

PROJECT NUMBER

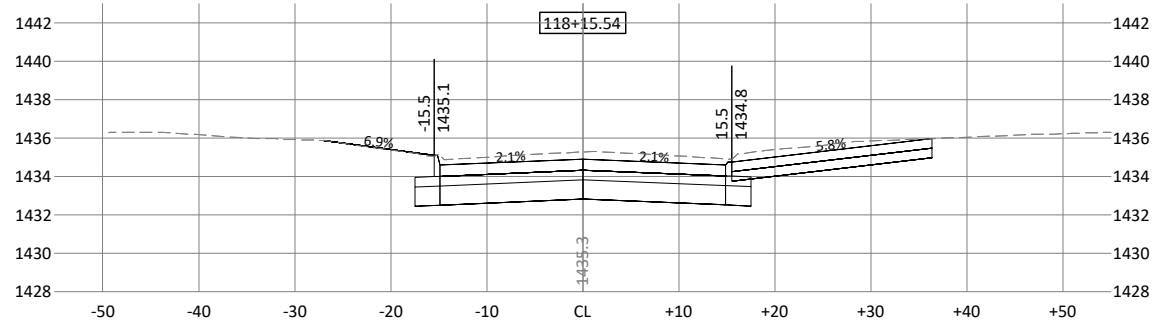
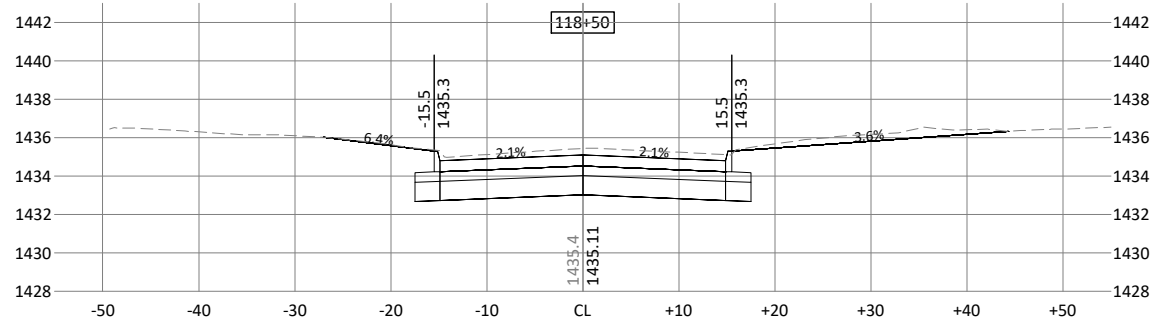
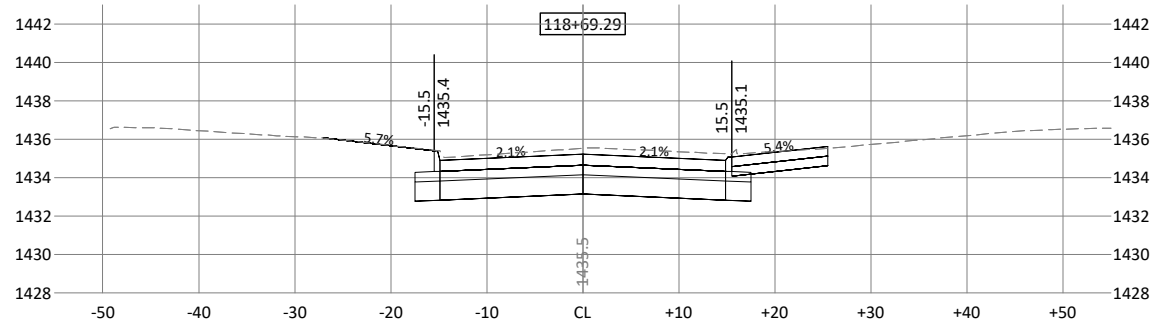
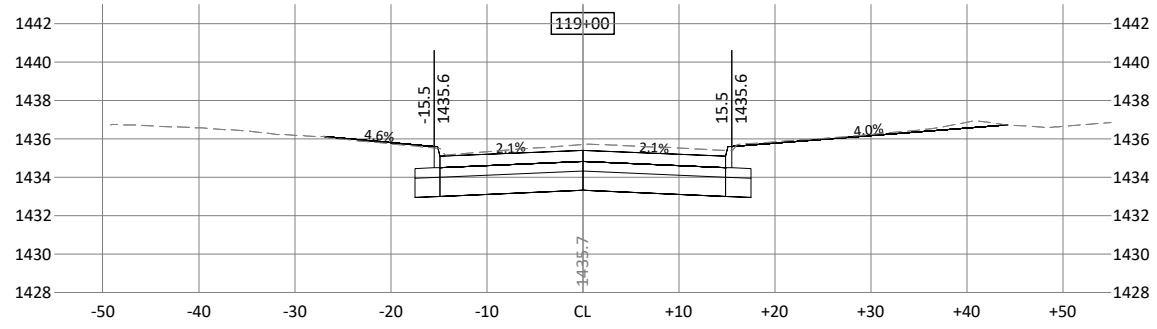
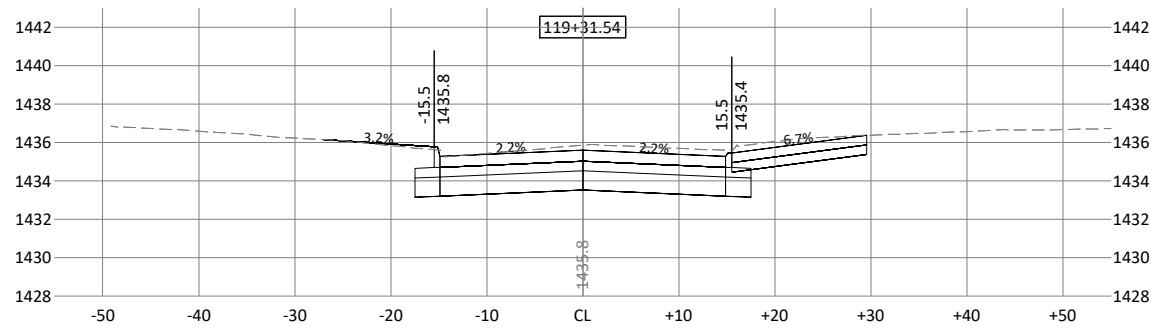
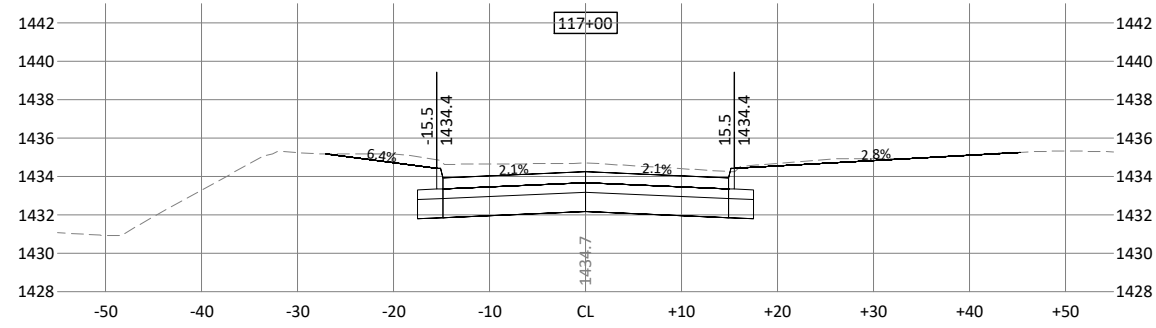
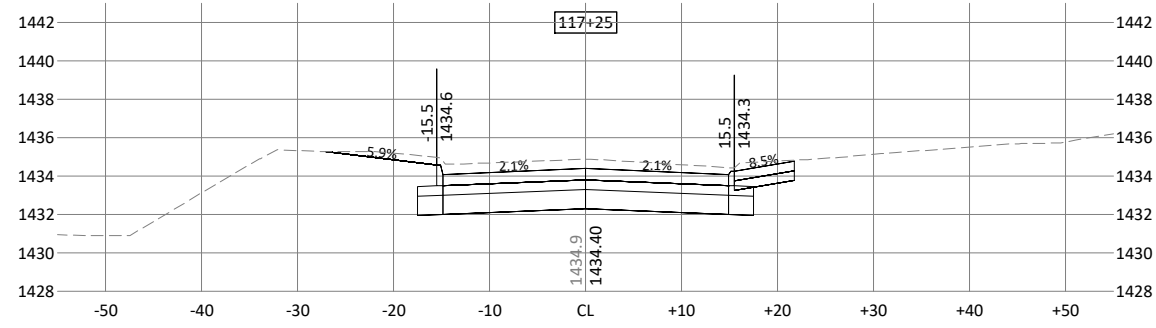
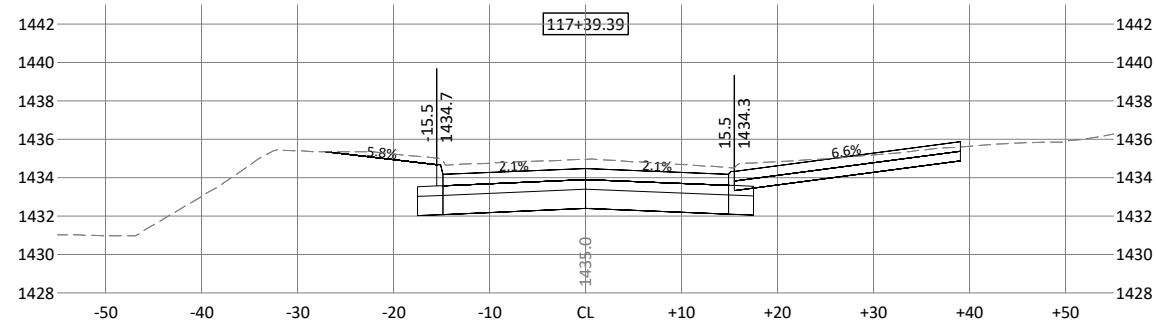
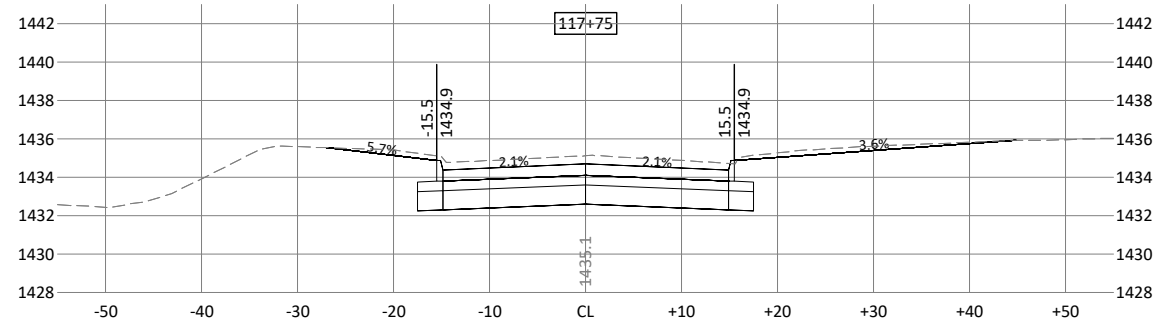
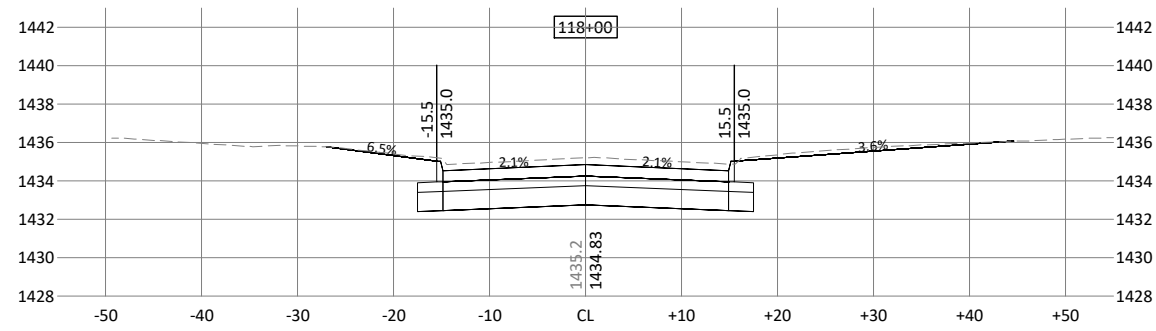
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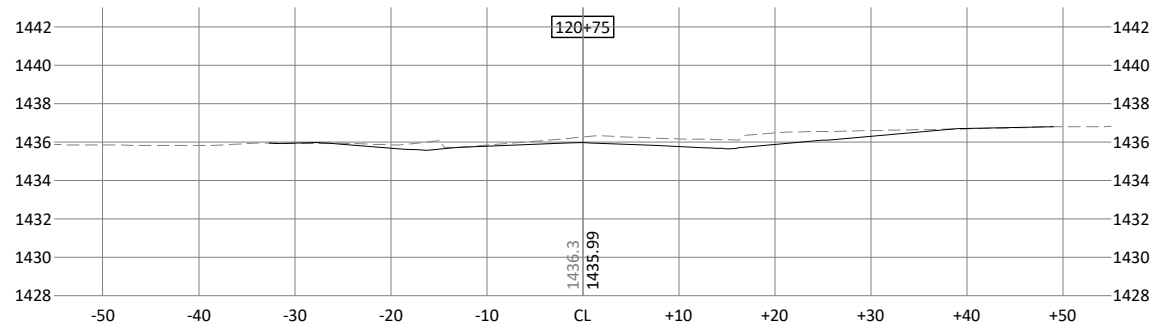
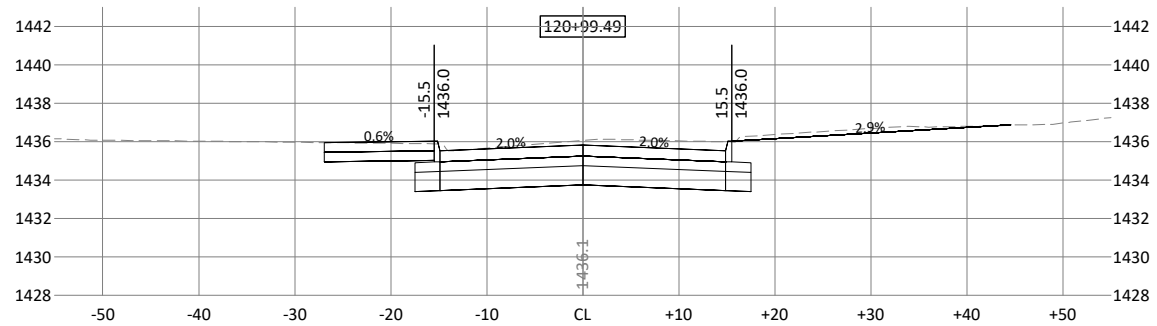
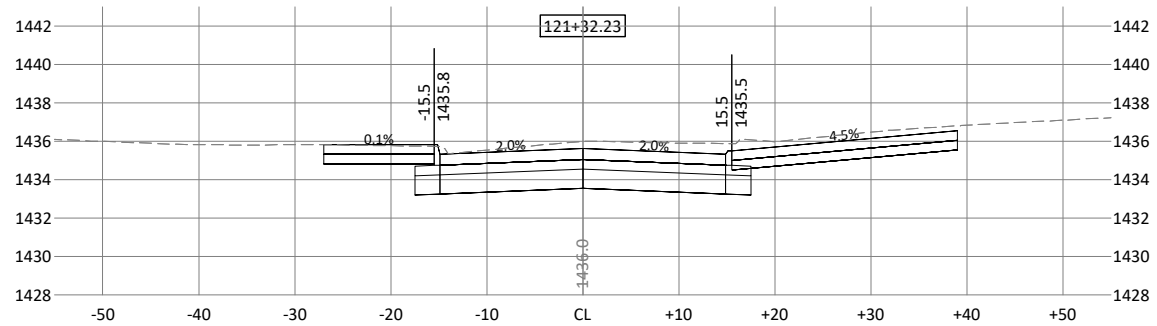
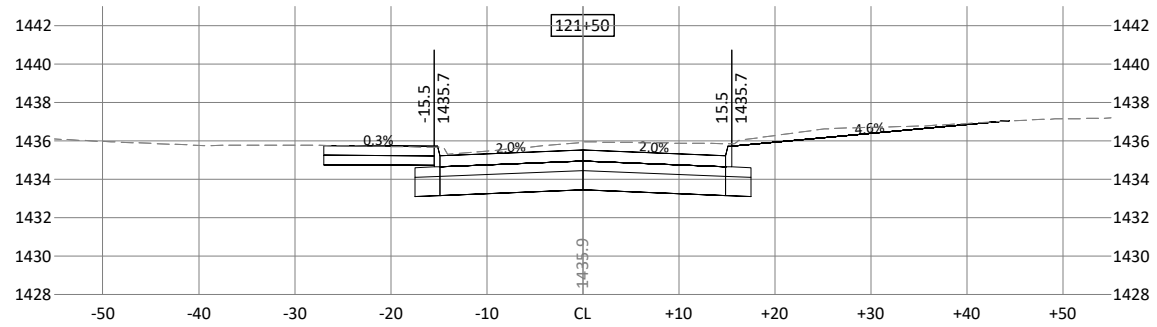
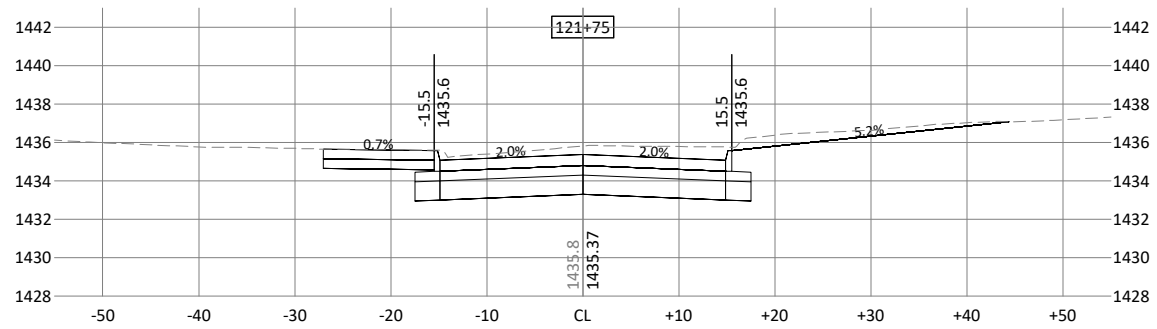
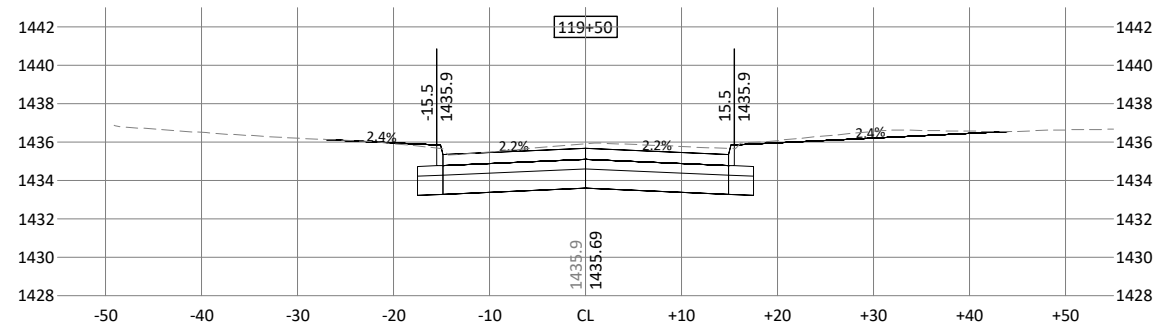
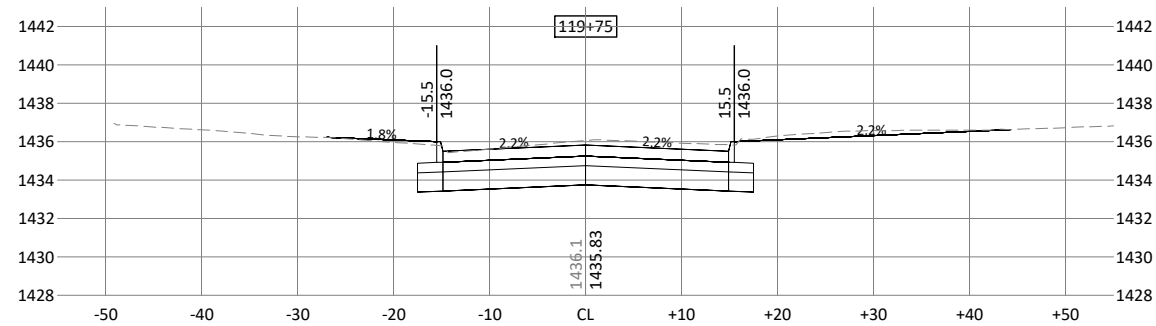
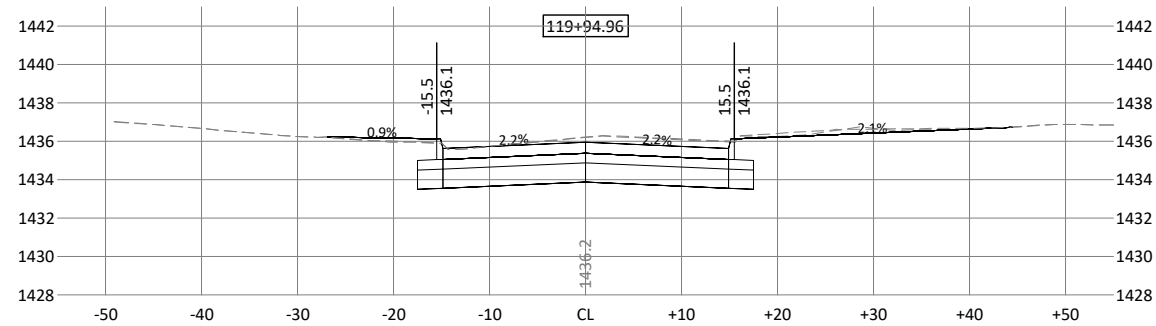
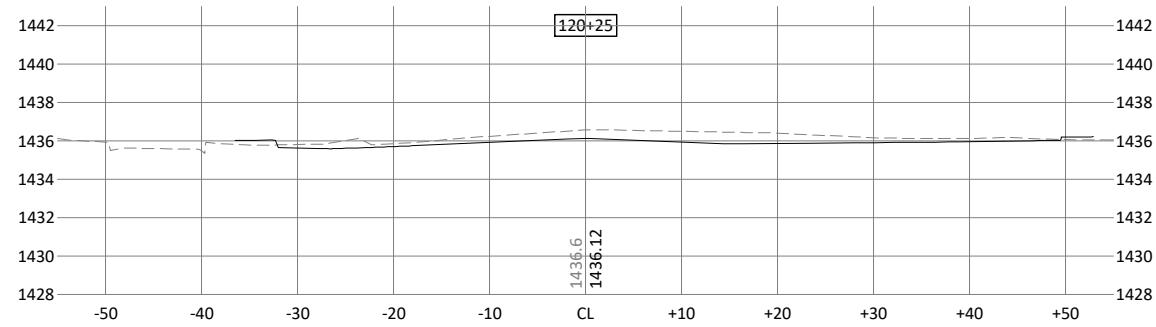
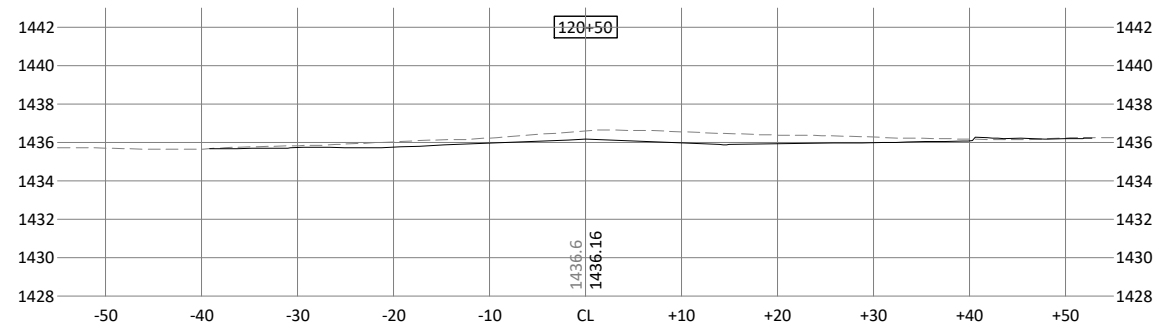
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ENGLISH

IOWA DOT

DESIGN TEAM

POPE / BOLTON & MENK INC

CITY OF STORM LAKE

BUENA VISTA COUNTY

PROJECT NUMBER

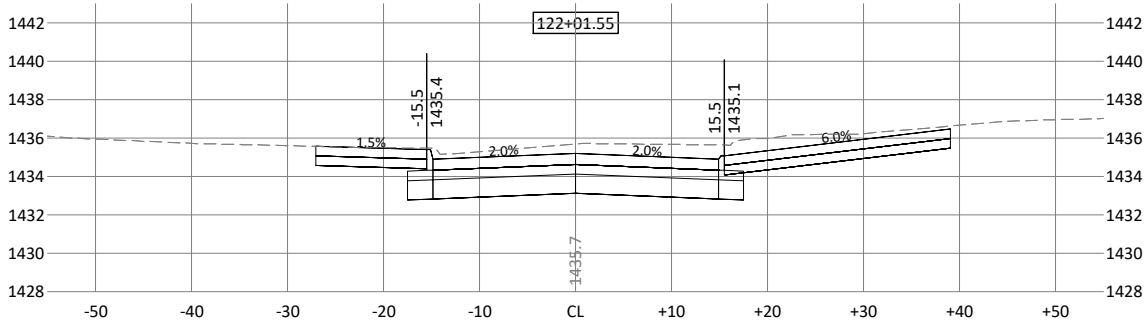
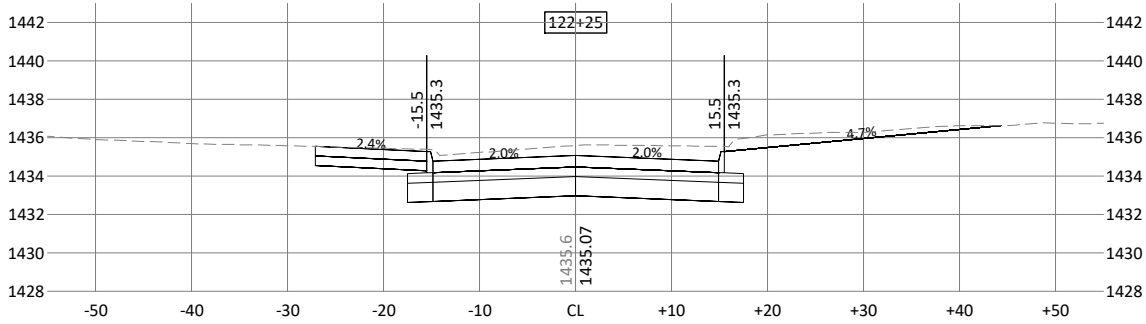
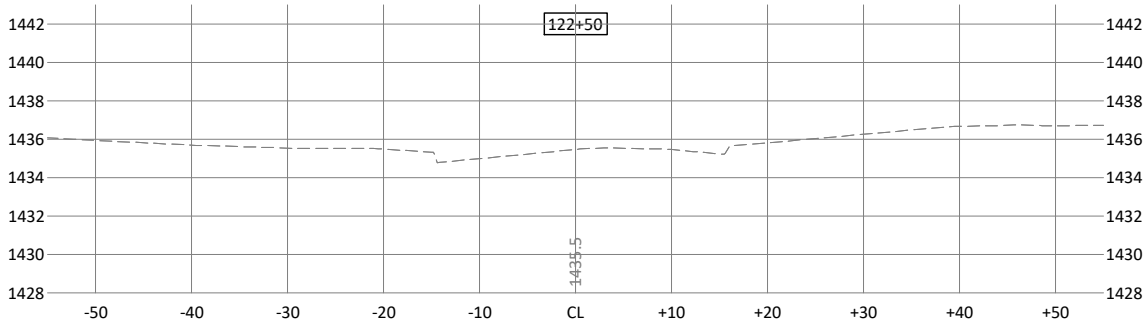
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Staff Summary

2/15/2021

Agenda Item # 8.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: David Derragon, Assistant City Manager

SUBJECT: **Resolution No. 47-R-2020-2021 Awarding the Bid for the Oneida Street Reconstruction Project Plans, Specifications, and Form of Contract**

BACKGROUND: The project provides for the reconstruction of Oneida Street from Highway 7 (East Milwaukee Avenue) to East Railroad Street and includes the removal of a 70+ year old collector road and replacement with new 31-foot-wide concrete surfacing and associated subdrains. Bids for the project were initially let in April 2020 and the two received bids were nearly \$500,000 over the engineer's estimate. Bids were rejected at the May 4, 2020 meeting and it was determined the project scope be ultimately reduced to become aligned with the project budget.

Bids were opened on January 20, 2021. Three bids were received with the apparent low bidder being Hulstein Excavating Inc. in the amount of \$1,905,092.12.

FISCAL IMPACT: The Engineer's Opinion of Probable Construction Cost is \$2,128,956.00. The project is receiving federal/state aid funding in the amount of \$594,300. The balance of the construction cost will be local match and provided through Road Use, Franchise Fee, and Local Option Sales Tax funds.

RECOMMENDATION: Approve Resolution XX-R-2020-2021 to award the construction contract to Hulstein Excavating, Inc. in the amount of \$1,905,092.12.

ATTACHMENTS:

Description	Type
□ Engineer's Recommendation	Backup Material
□ Resolution No. 47-R-2020-2021	Resolution



Real People. Real Solutions.

218 11th Street SW Plaza
Spencer, IA 51301

Ph: (712) 580-5075
Bolton-Menk.com

January 26, 2021

City of Storm Lake
Attn: David Derragon
620 Erie Street
Storm Lake, IA 50588

RE: Recommendation of Award
Oneida Street Improvements
Project No.: P11.118940

Dear Mr. Derragon:

Bids were received and on Wednesday, January 20, 2021 for the project referenced above. Three (3) bids were received, and the results are tabulated below:

The bid received was as follows:	<u>Total Bid</u>
Hulstein Excavating, Inc.	\$ 1,905,092.12
Reding's Gravel & Excavating Co., Inc.	\$ 2,061,914.04
Smith Concrete Service, Inc.	\$ 2,090,100.82
Engineer's Estimate	\$ 2,128,956.00

If deemed economically feasible, we recommend awarding the construction contract to Hulstein Excavating, Inc. in the amount of \$1,905,092.12.

Sincerely,
Bolton & Menk, Inc.

Josh Pope P.E.
City Infrastructure Engineer

RESOLUTION NO. 47-R-2020-2021

**RESOLUTION ADOPTING PLANS, SPECIFICATIONS, FORM OF CONTRACT,
ESTIMATE OF COST, BID AND AWARD CONTRACT FOR THE ONEIDA STREET
RECONSTRUCTION PROJECT**

WHEREAS, the plans, specifications, form of contract, estimate of cost, and award bid were filed with the CITY for the construction of certain public improvements described in general as the Oneida Street Reconstruction Project; and

WHEREAS, notice of hearing on plans, specifications, form of contract and estimate of cost for said public improvements was published as required by law:

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

Section 1. That the said plans, specifications, form of contract and estimate of cost, are hereby approved, as described in the preamble of this Resolution.

Section 2. That the following bid for the construction of certain public improvements described in general as the Oneida Street Reconstruction Project, is hereby accepted, the same being the lowest responsible bid received for said work, as follows:

Contractor: Hulstein Excavation, Inc.

Amount of bid: \$1,905,092.12

Portion of bid: All

Section 3. That the Mayor and Clerk are hereby directed to execute contract with the contractor for the construction of said public improvements, said contract to be binding on the City, contingent to obtaining all the required concurrences and consents.

PASSED AND APPROVED this 15th day of February 2021.

Michael Porsch, Mayor

ATTEST:

Mayra A. Martinez, City Clerk

Staff Summary

2/15/2021

Agenda Item # 9.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: David Derragon, Assistant City Manager

SUBJECT: **Motion Setting the Public Hearing for the 2021 CIPP Sanitary Sewer Improvements Plans, Specifications, and Form of Contract**

BACKGROUND: Nine NRDC-HUD funded projects have been approved which reduce sewer backups in homes and avoid the release of untreated wastewater into the environment. This sewer lining and manhole rehabilitation effort is the final project pursued within the grant funding. Improvements of sanitary sewer mains in the vicinity of the previous 7th and Geneseo project as well as the Violet/Tulip/Rose Lane neighborhood are proposed. The intended public infrastructure improvements entail CIPP lining of existing 8" mains and associated manhole rehabilitation within the improvement areas.

The Engineer's Opinion of Probable Cost is \$495,052.00. The project is one of nine NRDC-HUD funded projects with federal funding entailing 75% and local match 25%.

To move forward with the bidding process, a public hearing is planned for March 15, 2021 at 5:00 p.m. in City Council Chambers.

FISCAL IMPACT: The Engineer's Opinion of Probable Construction Cost is \$495,052.00.

RECOMMENDATION: Approve setting a Public Hearing for 5:00 p.m. on March 15, 2021 in City Council Chambers.

ATTACHMENTS:

Description	Type
☐ Notice of Public Hearing	Backup Material
☐ Engineer's Estimate of Construction Cost	Backup Material

NOTICE OF PUBLIC HEARING
CIPP SANITARY SEWER IMPROVEMENTS
CITY OF STORM LAKE

Public Hearing on Proposed Contract Documents and Estimated Costs for Repair or Improvement. A public hearing will be held by the City of Storm Lake on the proposed contract documents (plans, specifications and form of contract) and estimated cost for the improvement at its meeting at 5:00 P.M. on March 15, 2021, at 620 Erie Street, Storm Lake, IA 50588.

PROJECT DESCRIPTION: This project includes the installation of approximately 12,174 linear feet of 8" CIPP lining, and miscellaneous tasks to ensure proper installation of the liner. The project also includes the rehabilitation of 415.5 vertical feet of manholes and the installation of internal chimney seal.

This Notice is given by authority of the
City of Storm Lake

Mayra Martinez
City Clerk

ENGINEER'S ESTIMATE

2021 SANITARY SEWER REHABILITATION PROJECT
CITY OF STORM LAKE IOWA
BMI PROJECT NO. P11.122266



Date: 2/9/2021

Item No.	Item	Notes	Estimated Quantity	Unit	Unit Price	Total Amount
GENERAL						
1	MOBILIZATION		1	LS	\$10,000.00	\$10,000.00
2	TRAFFIC CONTROL		1	LS	\$10,000.00	\$10,000.00
SANITARY SEWER						
3	8" CIPP (CURED-IN-PLACE-PIPE) LINING		12174	LF	\$23.00	\$280,002.00
4	REINSTATE LATERAL (ANY SIZE)		280	EA	\$100.00	\$28,000.00
5	TRIM PROTRUDING TAP (IRON/NON-IRON)		20	EA	\$300.00	\$6,000.00
6	LATERAL GROUTING		20	EA	\$500.00	\$10,000.00
MANHOLE REHAB						
7	MANHOLE REHABILITATION		415.5	VF	\$300.00	\$124,650.00
8	INTERNAL CHIMNEY SEALS		44	EA	\$600.00	\$26,400.00
ESTIMATED BASE BID TOTAL:						\$495,052.00

ENGINEER'S ESTIMATE

2021 SANITARY SEWER REHABILITATION PROJECT
CITY OF STORM LAKE IOWA
BMI PROJECT NO. P11.122266



Date: 2/9/2021

Item No.	Item	Notes	Estimated Quantity	Unit	Unit Price	Total Amount
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PROJECT MANUAL

2021 CIPP Sanitary Sewer Improvements

City of Storm Lake

218 11th Street SW Plaza • Spencer, IA 51301
Ph: (712) 580-5075



Bolton-Menk.com

SECTION 00005 – CERTIFICATION

PROJECT MANUAL

for

2021 CIPP Sanitary Sewer Improvements

City of Storm Lake

	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.  _____ Joshua A. Pope License No. 23600 My renewal date is 12/31/2021 Pages or sheets covered by this seal: <u>All sheets</u> Date: <u>February 15, 2021</u>
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SECTION 00010 - TABLE OF CONTENTS

2021 CIPP Sanitary Sewer Improvements City of Storm Lake

CONTRACT DOCUMENTS:

PROJECT MANUAL:

Introductory Information, Bidding Requirements, Contract Forms and Conditions of Contract

- 00005 - CERTIFICATION PAGE
- 00010 - TABLE OF CONTENTS
- 00100 - NOTICE TO BIDDERS
- 00200 - INSTRUCTIONS TO BIDDERS
- 00410 - PROPOSAL
- 00420 - BID BOND
- 00450 - INFORMATION REQUESTED FROM LOW BIDDER
- 00500 - CONTRACT
- 00501 - FEDERAL LABOR STANDARDS PROVISIONS
- 00502 - WAGE DECISION
- 00610 - PERFORMANCE, PAYMENT AND MAINTENANCE BOND
- 00800 - SPECIAL PROVISIONS
- 00900 - NOTICE OF AWARD
- 00910 - NOTICE TO PROCEED
- 00920 - LETTER OF TRANSMITTAL

Technical Specifications

- 02532 - CURED-IN-PLACE-PIPE CIPP
- 02537 - MANHOLE & CATCH BASIN REHABILITATION
- 02997 - SANITARY SEWER CLEANING, TELEVISION AND INSPECTION
- 03247 - SEWER AND JOINT SEALING-GROUTING

APPENDICES

APPENDIX A: CDBG PROJECT CONSTRUCTION SIGN REQUIREMENT

APPENDIX B: Project Maps with the General Title: Sanitary Sewer Lining

APPENDIX C: Manhole Photos: [View Photos](#)

**This project is based on
SUDAS STANDARD SPECIFICATIONS, 2021 EDITION
unless modified herein.**

*******END OF SECTION*******

SECTION 00100 - NOTICE TO BIDDERS

2021 CIPP Sanitary Sewer Improvements City of Storm Lake

Time and Place for Filing Sealed Proposals. Sealed bids for the work comprising the repair or improvement as stated below must be filed ONLINE ONLY via Quest CDN before 2:00 P.M. on March 3, 2021.

Time and Place Sealed Proposals Will be Opened and Considered. Proposals for the work described below will be received online only through QuestCDN.com until 2:00 PM on March 3, 2021 at which time the bids will be opened and publicly read online through Microsoft Teams. Please use the link or call-in number/Conference ID below to see and/or hear the bid opening results: Microsoft Teams Meeting Link: <https://bit.ly/2YyHbZx> Call: 612-428-8778, Conference ID:811 955 889#. The results will be reported to the City of Storm Lake at its meeting at 5:00 P.M. on March 15, 2021 at which time the City Council may take action on the proposals submitted or at such time as may then be fixed. The City of Storm Lake City Council reserves the right to reject any or all bids, to waive informalities or technicalities in any bid, and to enter into such contract, or contracts, as it shall deem to be to the best interest of the City of Storm Lake.

Time for Commencement and Completion of Work. Work on the improvement shall commence upon approval of the contract by the City Council and as stated in the Notice to Proceed. All work under the Contract must be substantially complete on or before July 16, 2021, and completed and made ready for final payment by July 30, 2021. Liquidated damages as set forth in Section 00500 – Contract.

Bid Security. Each bidder shall accompany its bid with bid security, as defined in Iowa Code Section 26.8, as security that the successful bidder will enter into a contract for the work bid upon. The bidder's security shall be in an amount equal to 5 percent of the total amount of the bid. The bid shall contain no condition except as provided in the specifications.

If the bidder fails to execute the contract and to furnish an acceptable performance, payment, and maintenance bond or provide a Certificate of Insurance within ten (10) days after acceptance of the bid by the City, the bid security may be forfeited or cashed by the City as liquidated damages.

Contract Documents. Copies of the project documents are available for a price of \$25 per set. This fee is refundable, provided the plans and specifications are returned complete and in reusable condition, and they are returned within fourteen (14) calendar days after the award of the project. Please make your check payable to Bolton & Menk, Inc. and send it to 218 11th Street SW, Spencer, IA 51301, (712) 580-5075, fax (515) 233-4430. Complete digital project bidding documents are available at www.bolton-menk.com or www.questcdn.com. You may view the digital plan documents for free by entering Quest project # 7541925 on the website's Project Search page. Documents may be downloaded for \$0.00. Please contact QuestCDN.com at 952-233-1632 or info@questcdn.com for assistance in free membership registration, viewing, downloading, and working with this digital project information.

Preference of Products and Labor. By virtue of statutory authority, a preference will be given to products and provisions grown and coal produced within the State of Iowa, to the extent lawfully required under Iowa statutes.

Sales Tax Exemption Certificates. The bidder shall not include sales tax in the bid. The City of Storm Lake will distribute tax exemption certificates and authorization letters to the Contractor and all subcontractors who are identified. The Contractor and subcontractor may make copies of the tax exemption certificates and provide a copy to each supplier providing construction materials. These tax exemption certificates and authorization letters are applicable only for this specific project under the Contract.

PROJECT DESCRIPTION: This project includes the installation of approximately 12,174 linear feet of 8" CIPP lining, and miscellaneous tasks to ensure proper installation of the liner. The project also includes the rehabilitation of 415.5 vertical feet of manholes and the installation of internal chimney seal.

Section 3 clause

All section 3 covered contracts shall include the following clause (referred to as the section 3 clause):

A. The work to be performed under this contract is subject to the requirements of section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u (section 3). The purpose of section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by section 3, shall, to the greatest extent feasible, be directed to low- and very low-income persons, particularly persons who are recipients of HUD assistance for housing.

B. The parties to this contract agree to comply with HUD's regulations in 24 CFR part 135, which implement section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the part 135 regulations.

C. The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking applications for each of the positions; and the anticipated date the work shall begin.

D. The contractor agrees to include this section 3 clause in every subcontract subject to compliance with regulations in 24 CFR part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR part 135. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR part 135.

E. The contractor will certify that any vacant employment positions, including training positions, that are filled (1) after the contractor is selected but before the contract is executed, and (2) with persons other than those to whom the regulations of 24 CFR part 135 require employment opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR part 135.

F. Noncompliance with HUD's regulations in 24 CFR part 135 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.

G. With respect to work performed in connection with section 3 covered Indian housing assistance, section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450e) also applies to the work to be performed under this contract. Section 7(b) requires that to the greatest extent feasible (i) preference and opportunities for training and employment shall be given to Indians, and (ii) preference in the award of contracts and subcontracts shall be given to Indian organizations and Indian-owned Economic Enterprises. Parties to this contract that are subject to the provisions of section 3 and section 7(b) agree to comply with section 3 to the maximum extent feasible, but not in derogation of compliance with section 7(b).

The Notice is given by order of the City Council of the City of Storm Lake

Mayra Martinez, City Clerk

SECTION 00200 - INSTRUCTIONS TO BIDDERS

2021 CIPP Sanitary Sewer Improvements City of Storm Lake

The work comprising the above referenced project shall be constructed in accordance with the SUDAS Standard Specifications, 2021 Edition and as further modified by the supplemental specifications and special provisions included in the contract documents. The terms used in the contract version of the documents are defined in said Standard Specifications. Before submitting a bid, please review the requirements of Division One, General Provisions and Covenants. Please be certain that all documents have been completed properly as failure to complete and sign all documents and to comply with the requirements listed below can cause a submitted bid not to be read.

ARTICLE 1 - BID SECURITY

- 1.01 The bid security must be in the minimum amount of 5% of the total bid amount including all add alternates (do not deduct the amount of deduct alternates).
- 1.02 Bid security other than said bid bond shall be in accordance with Chapter 26 of the Iowa Code.
- 1.03 Bid security shall be in the form of a cashier's check or certified check drawn on a state chartered or federally chartered bank; or a certified share draft drawn on a state chartered or federally chartered credit union; or a bidder's bond with corporate surety satisfactory to the City of Storm Lake, hereinafter called the "Jurisdiction".
- 1.04 The bid bond must be submitted on the enclosed Bid Bond form (or form that is equivalent in terms, duration, and obligation). All signatures on the bid bond must be original signatures in ink; electronic, copies, or facsimile (fax) of any signature on the bid bond is not acceptable.

ARTICLE 2 - SUBMISSION OF THE PROPOSAL AND IDENTITY OF BIDDER

- 2.01 For this project the City will only be accepting online electronic bids through QuestCDN. To access the electronic bid form, download the project documents and click the online bidding button at the top of the advertisement. Prospective bidders must be on the planholders list through QuestCDN for bids to be accepted. A Bid shall be received no later than the date and time prescribed. Bids received after the date and time prescribed for the opening of bids, or not submitted in the designated manner, will not be accepted. It is the sole responsibility of the bidder to see that its proposal is received online only via Quest CDN prior to the time for opening bids along with the appropriate bid security.
- 2.02 The following documents shall be completed and uploaded to Quest CDN. The bid cannot be read if any of these documents are omitted from the Proposal.
 - A. PROPOSAL – Complete each of the following parts:
 - Part B – Acknowledgment of Addenda, if any have been issued;
 - Part C – Bid Items, Quantities and Prices (Fill out on Quest CDN)
 - Part G – Identity of Bidder;
- 2.03 Documents must be submitted as printed. No alterations, additions, or deletions are permitted. If the Bidder notes a requirement in the contract documents which the Bidder believes will require a conditioned or unsolicited alternate bid, the Bidder must immediately notify the Engineer in writing. The Engineer will issue any necessary interpretation by an addendum.

ARTICLE 3 - PROSECUTION AND PROGRESS OF THE WORK

- 3.01 The work is located in the City of Storm Lake.

Work on the improvement shall commence upon approval of the contract by the City Council and as stated in the Notice to Proceed. All work under the Contract must be substantially complete and finally complete as stated in Section 00500 Contract. Liquidated Damages will be assessed as detailed in the stated in Section 00500 - Contract.

- 3.02 Community Events.

Successful bidder will be required to coordinate with the owner and accommodate the owner's requirements for the following list of events:

- None

- 3.03 Each successful bidder will be required to furnish a corporate surety bond in an amount equal to 100% of its contract price. Said bond shall be issued by a responsible surety approved by City of Storm Lake and shall guarantee the faithful performance of the contract, the terms and conditions therein contained, the prompt payment of all material and labor, protect and save harmless City of Storm Lake from claims and damages of any kind caused by the operations of the contract, and shall also guarantee the maintenance of the improvement caused by failures in materials and construction for a period of 2-Years from and after acceptance of the work.
- 3.04 The City of Storm Lake, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42U.S.C. 2000d to 2000d-4 and title 49 Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively ensure that with any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

ARTICLE 4 - PREFERENCE OF PRODUCTS AND LABOR

- 4.01 In accordance with Iowa statutes, a resident bidder shall be allowed preference against a nonresident bidder from a state or foreign country provided that state or foreign country gives or requires any preference to bidders from that state or foreign country. This includes, but is not limited to any preference to bidders, the imposition of any type of labor force preference, or any other form of preferential treatment to bidders or laborers from that state or foreign country. The preference allowed shall be equal to the preference given or required by the state of foreign country in which the nonresident bidder is a resident. In the instance of a resident labor force preference, a nonresident bidder shall apply the same resident labor force preference to a public improvement in this state as would be required in the construction of a public improvement by the state or foreign country in which the nonresident bidder is a resident. If it is determined that this may cause denial of federal funds which would otherwise be available, or would otherwise be inconsistent with requirements of any federal law or regulation, this resident bidder preference shall be suspended, but only to the extent necessary to prevent denial of the funds or to eliminate the inconsistency with federal requirements.

ARTICLE 5 - TAXES

- 5.01 The City will issue a sales tax exemption certificate and authorization letters to the Contractor and all subcontractors for all materials purchased on the project. Tax exemption certificates are applicable only for the specific project for which the tax exemption certificate is issued.

- 5.02 The Contractor shall provide a listing to the City identifying all appropriate subcontractors qualified for use of the tax exemption certificate. The Contractor and subcontractors may make copies of the certificate and provide to each supplier providing construction material.
- 5.03 Income Tax:
- A. Successful Bidder is subject to payment of Iowa income tax on income from this work in amounts prescribed by law.
 - B. If successful bidder is a non-Iowa partnership, individual or association, Bidder shall furnish evidence prior to execution of contract that bond or securities have been posted with the Iowa Department of Revenue in the amount required by law.

******END OF SECTION******

SECTION 00410 - PROPOSAL

2021 CIPP Sanitary Sewer Improvements City of Storm Lake

PROPOSAL: PART A – SCOPE

The City of Storm Lake, hereinafter called the "Jurisdiction", has need of a qualified contractor to complete the work comprising the below referenced repair or improvement. The undersigned Bidder hereby proposes to complete the work comprising the below referenced repair or improvement as specified in the contract documents, which are officially on file with the Jurisdiction, in the office of the Mayor, at the prices hereinafter provided in Part C of the Proposal, for the improvements on 2021 CIPP Sanitary Sewer Improvements

PROPOSAL: PART B – ACKNOWLEDGMENT OF ADDENDA

The Bidder hereby acknowledges that all addenda become a part of the contract documents when issued and that each such addendum has been received and utilized in the preparation of this bid. The Bidder hereby acknowledges receipt of the following addenda by inserting the number of each addendum in the blanks below:

ADDENDUM NUMBER _____

ADDENDUM NUMBER _____

ADDENDUM NUMBER _____

ADDENDUM NUMBER _____

and certifies that said addenda were utilized in the preparation of this bid.

PROPOSAL: PART C – BID ITEMS AND QUANTITIES

UNIT BID PRICE CONTRACTS: The Bidder must provide the Unit Bid Price, the Total Bid Price, any Alternate Prices, and the Total Construction Costs on the Proposal Attachment: Part C – Bid Items and Quantities. In case of discrepancy, the Unit Bid Price governs. The quantities shown on the Proposal Attachment: Part C – Bid Items and Quantities are approximate only, but are considered sufficiently adequate for the purpose of comparing bids. The Total Construction Cost shall be used only for the comparison of bids. The jurisdiction shall only use the Total Construction Cost for determining the sufficiency of the bid security.

SEE INCLUDED PROPOSAL ATTACHMENT

PROPOSAL: PART D – GENERAL

The Bidder hereby acknowledges that the Jurisdiction, in advertising for public bids for this project reserves the right to:

1. Reject any or all bids. Award of the contract, if any, to be to the lowest responsible, responsive bidder; and
2. Reject any or all alternates in determining the items to be included in the contract. Designation of the lowest responsible, responsive bidder to be based on comparison of the total bid only, not including any alternates; and
3. Make such alterations in the contract documents or in the proposal quantities as it determines necessary in accordance with the contract documents after execution of the contract. Such alterations shall not be considered a waiver of any conditions of the contract documents, and shall not invalidate any of the provisions thereof; and

The Bidder hereby agrees to:

1. Enter into a contract, if this proposal is selected, in the form approved by the Jurisdiction, provide proof of registration with the Iowa Division of Labor in accordance with Chapter 91C of the Iowa Code, and furnish a performance, maintenance, and payment bond; and
2. Forfeit bid security, not as a penalty but as liquidated damages, upon failure to enter into such contract and/or to furnish said bond; and
3. Commence the work upon written Notice to Proceed; and
4. Substantially complete and finally complete the work on or before as detailed in Section 00500 – Contract; and
5. Pay liquidated damages for noncompliance with said completion provisions at the rate detailed in Section 00500 – Contract for each thereafter that the work remains incomplete.

PROPOSAL: PART E – NON-COLLUSION AFFIDAVIT

The Bidder hereby certifies:

1. That this proposal is not affected by, contingent on, or dependent on any other proposal submitted for any improvement with the Jurisdiction; and
2. That no individual employed by the Bidder has employed any person to solicit or procure the work on this project, nor will any employee of the Bidder make any payment or agreement for payment of any compensation in connection with the procurement of this project; and
3. That no part of the bid price received by the Bidder was or will be paid to any person, corporation, firm, association, or other organization for soliciting the bid, other than the payment of their normal compensation to persons regularly employed by the Bidder whose services in connection with the construction of the project were in the regular course of their duties for the Bidder; and
4. That this proposal is genuine and not collusive or sham; that the Bidder has not colluded, conspired, connived, or agreed, directly or indirectly, with any bidder or person, to submit a sham bid or to refrain from bidding; and
5. That the bid has not in any manner, directly or indirectly, sought, by agreement or collusion, or communication or conference, with any person, to fix the bid price of the Bidder or of any other bidder; and
6. That all statements in this proposal are true; and
7. That the individual(s) executing this proposal have the authority to execute this proposal on behalf of the Bidder.

PROPOSAL: PART F – ADDITIONAL REQUIREMENTS

The Bidder hereby agrees to comply with the additional requirements listed below which are included in this proposal and identified as proposal attachments:

ITEM NO.	DESCRIPTION OF ATTACHMENT
1.	CDBG REQUIREMENTS
2.	FEDERAL LABOR STANDARDS PROVISIONS

PROPOSAL: PART G - IDENTITY OF BIDDER

The Bidder shall indicate whether the bid is submitted by a/an:

☐ Individual,
Sole Proprietorship

Bidder

☐ Partnership

Signature

☐ Corporation

By

Name (Print/Type)

☐ Limited Liability Company

Title

☐ Joint-venture; all parties must join-in and
execute all documents

Street Address

☐ Other

City, State, Zip Code

The bidder shall enter its Public
Registration Number _____ - _____
issued by the Iowa Commissioner of Labor
Pursuant Section 91C.5 of the Iowa Code.

Telephone Number

**Type or print the name and title of the company's
owner, president, CEO, etc. if a different person
than entered above**

Failure to provide said Registration
Number shall result in the bid being read
under advisement. A contract will not be
executed until the Contractor is registered.

Name

Title

**NOTE: The signature on this proposal must be an original signature in ink; copies, facsimiles, or
electronic signatures will not be accepted.**

All bidders must submit the following completed form to the governmental body requesting bids per
875 Iowa Administrative Code Chapter 156.

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 non-resident 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: _____
(mm/dd/yyyy) City, State, Zip: _____

Dates: _____ to _____ Address: _____
(mm/dd/yyyy) City, State, Zip: _____

Dates: _____ to _____ Address: _____
(mm/dd/yyyy) City, State, Zip: _____

You may attach additional sheet(s) if needed.

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 bidders who are residents? ☐ 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 reason to reject my bid.

Firm Name: _____
Signature: _____ Date: _____

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.

2021 CIPP Sanitary Sewer Improvements
City of Storm Lake

PROPOSAL ATTACHMENT: PART C – BID ITEMS AND QUANTITIES

This is a UNIT BID PRICE CONTRACT. The bidder must provide the Unit Bid Price, the total Bid Price, and the Total Bid Amount; in case of discrepancy, the Unit Bid Price governs. The Quantities shown on the Proposal Attachment: Part C – Bid Items and quantities are approximate only, but are considered sufficiently adequate for the purpose of comparing bids. The Jurisdiction shall only use the Total Base Bid Amount for comparison of bids

LF = LINEAR FEET

EA = EACH

VF = VERTICAL FEET

ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1	MOBILIZATION	1	LS		
2	TRAFFIC CONTROLL	1	LS		
3	8" CIPP (CURED-IN-PLACE-PIPE) LINING	12,174	LF		
4	REINSTATE LATERAL (ANY SIZE)	280	EA		
5	TRIM PROTRUDING TAP (IRON/NON-IRON)	20	EA		
6	LATERAL GROUTING	20	EA		
7	MANHOLE REHABILITATION	415.5	VF		
8	INTERNAL CHIMNEY SEALS	44	EA		
TOTAL:					

NOTE: IT IS UNDERSTOOD THAT THE ABOVE QUANTITIES ARE ESTIMATED FOR THE PURPOSE OF THIS BID. ALL QUANTITIES ARE SUBJECT TO REVISION BY THE DISTRICT AS NOTED IN SECTION 00500 – CONTRACT.

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SECTION 00420 - BID BOND

**2021 CIPP Sanitary Sewer Improvements
City of Storm Lake**

KNOW ALL BY THESE PRESENTS:

That we, _____, as Principal, and

_____, as Surety, are held and firmly bound unto, City of Storm Lake as Obligee, (hereinafter referred to as "the Jurisdiction"), in the penal sum of _____ dollars (\$ _____), lawful money of the United States, for which payment said Principal and Surety bind themselves, their heirs, executors, administrators, successors, and assigns jointly and severally, firmly by these presents.

The condition of the above obligation is such that whereas the Principal has submitted to the Jurisdiction a certain proposal, in a separate envelope, and hereby made a part hereof, to enter into a contract in writing, for the following project:

2021 CIPP Sanitary Sewer Improvements

The Surety hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Jurisdiction may accept such bid or execute such Contract; and said Surety does hereby waive notice of any such extension.

In the event that any actions or proceedings are initiated with respect to this Bond, the parties agree that the venue thereof shall be Buena Vista County, State of Iowa. If legal action is required by the Jurisdiction against the Surety or Principal to enforce the provisions of the bond or to collect the monetary obligation incurring to the benefit of the Jurisdiction, the Surety or Principal agrees to pay the Jurisdiction all damages, costs, and attorney fees incurred by enforcing any of the provisions of this Bond. All rights, powers, and remedies of the Jurisdiction hereunder shall be cumulative and not alternative and shall be in addition to all rights, powers, and remedies given to the Jurisdiction, by law. The Jurisdiction may proceed against Surety for any amount guaranteed hereunder whether action is brought against Principal or whether Principal is joined in any such action or actions or not.

NOW, THEREFORE, if said proposal by the Principal be accepted, and the Principal shall enter into a contract with Jurisdiction in accordance with the terms of such proposal, including the provision of insurance and of a bond as may be specified in the contract documents, with good and sufficient surety for the faithful performance of such contract, for the prompt payment of labor and material furnished in the prosecution thereof, and for the maintenance of said improvements as may be required therein, then this obligation shall become null and void; otherwise, the Principal shall pay to the Jurisdiction the full amount of the bid bond, together with court costs, attorney's fees, and any other expense of recovery.

Signed and sealed this _____ day of _____, 20____.

SURETY:

By

Surety Company

Signature Attorney-in-Fact/Officer

Name of Attorney-in-Fact/Officer

Company Name

Company Address

City, State, Zip Code

Company Telephone Number

PRINCIPAL:

By

Bidder

Signature

Name (Print/Type)

Title

Address

City, State, Zip Code

Telephone Number

NOTE: All signatures on this bid bond must be original signatures in ink; electronic, copies or facsimile of any signature will not be accepted. This bond must be sealed with the Surety's raised, embossing seal or official adhesive seal. The Certificate or Power of Attorney accompanying this bond must be valid on its face and sealed with the Surety's raised, embossing seal or official adhesive seal.

SECTION 00450 - INFORMATION REQUESTED FROM THE LOW BIDDER

(The Low Bidder May Be Requested To Provide This Information After
The Bids Are Received But Prior To Issuing The Notice Of Award)

GENERAL INFORMATION

The low bidder is requested to furnish the following information. Additional sheets shall be attached as required.

Contractor's name and address: _____

Number of years as a Contractor in construction work of this type _____

Names and titles of all officers of Contractor's firm: _____

SUBMIT a list of five construction contracts completed by the Contractor during the last five years involving work of similar type and comparable value. The list shall include the following information as a minimum:

- Name, address and telephone number of owner.
- Name of project.
- Location of project.
- Brief description of the work involved.
- Contract amount.
- Date of completion of contract.
- Name, address and telephone number of architect or engineer.
- Name of owner's project engineer.

EQUIPMENT/MATERIAL SOURCE INFORMATION

The low bidder is requested to list the name of the manufacturer of supplier and catalog numbers of the equipment or material proposed to be furnished under the bid. Awarding of a contract under this bid will not imply approval by the Owner of the manufacturers or suppliers listed by the low bidder.

- CIPP Liner
- Manhole Rehabilitation
- Internal Chimney Seal

****END OF SECTION****

SECTION 00500 - CONTRACT

2021 CIPP Sanitary Sewer Improvements City of Storm Lake

THIS CONTRACT, made and entered into at _____
this _____ day of _____, by and between
the City of Storm Lake hereinafter called the "Jurisdiction", and _____,
hereinafter called the "Contractor".

WITNESSETH:

The Contractor hereby agrees to complete the work comprising the 2021 CIPP Sanitary Sewer Improvements as specified in the contract documents, which are officially on file with the Jurisdiction, in the office of the City Clerk, City of Storm Lake, 620 Erie Street, Storm Lake, IA 50588, Iowa. This contract includes all such contract documents. All work under this contract shall be constructed in accordance with the SUDAS Standard Specifications, 2021 Edition and as further modified by the Special Provisions, Technical Specifications and Supplemental Specifications included in said contract documents and the Contract Attachment which is attached hereto. The Contractor further agrees to complete the work in strict accordance with said contract documents, and to guarantee the work as required by law for the time required in said contract documents after its acceptance by the Jurisdiction.

This contract is awarded and executed for completion of the work specified in the contract documents for the bid prices shown on the Contract Attachment: Bid Items and Quantities which were proposed by the Contractor in its Proposal submitted in accordance with the Notice to Bidders and Notice of Public Hearing for the following project:

2021 CIPP Sanitary Sewer Improvements

The Contractor agrees to perform said work for and in consideration of the Jurisdiction's payment of the bid amount of _____ dollars (\$ _____), which amount shall constitute the required amount of the performance, maintenance, and payment bond. The Contractor hereby agrees to commence work as stated in the written Notice to Proceed; and substantially complete the work in accordance with the following contract provisions:

CONTRACT PROVISIONS

- A. Completion Date
 1. All work under the Contract must be substantially complete on or before July 16, 2021.
 2. All work under the Contract must be completed and made ready for final payment on or before July 30, 2021.
- B. Liquidated Damage
 1. Pay liquidated damages for noncompliance with said completion provisions in the amount of \$1350.00 (One Thousand Three Hundred Fifty) for each day the work remains incomplete.
 2. 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 One-hundred thirty three dollars (\$133.00) for each day that expires after such time until the Work completed and ready for final payment.
 3. Liquidated damages for failing to timely attain Substantial Completion and Final Completion are not additive and will not be imposed concurrently.

- C. Maintenance Bond & Warranty
 - 1. Remedy any and all defects that may develop in or result from work to be performed under the Contract, within the 2-year period for utility work, and 4-year period for paving, from the date of acceptance of the work under the Contract, by reason of defects in workmanship or materials used in construction of said work.
 - 2. For purposes of the maintenance bond, acceptance of work shall be interpreted as the date when final payment is due in accordance with SUDAS Section 1090, Paragraph 1.08 and the maintenance period shall commence on the date when final payment is due in accordance with SUDAS Section 1090, Paragraph 1.08, unless otherwise modified by the Specifications or Written Agreement.
- D. Bid Quantity Revisions
 - 1. All quantities are estimates and subject to revision by the Jurisdiction.
 - 2. Quantity changes that do not materially change the character of the work to be performed and amount to less than Twenty (20) percent of a given bid item or less than Five (5) percent of the total contract amount shall not affect the unit price bid.

CDBG REQUIREMENTS
2021 CIPP Sanitary Sewer Improvements
City of Storm Lake

A. Executive Orders 11246 and 11375.

The Contractor will comply with all provisions of Executive Orders 11246 and 11375. During the performance of this Contract, the Contractor agrees as follows:

- 1) The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause.
- 2) The Contractor will, in all solicitations or advertisement for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.
- 3) The Contractor will send to each labor union or representative of workers with which they have a collective bargaining agreement or other Contract or understanding, a notice, to be provided by the agency contracting officer, advising the labor union or workers' representative of the Contractor's commitments under Section 202 of Executive Order No. 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- 4) The Contractor will comply with all provisions of Executive Order No. 11246 of September 24, 1965, and of the rules, regulations, and relevant order of the Secretary of Labor.
- 5) The Contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to their books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- 6) In the event of the Contractor's noncompliance with the nondiscrimination clauses of this Contract or with any such rules, regulations or orders, this Contract may be canceled, terminated or suspended in whole or in part and the Contractor may be declared ineligible for further government Contracts in accordance with procedures authorized in Executive Order No. 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- 7) The Contractor will include the provision of Paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the contracting agency may direct as a means of enforcing such provisions including sanctions for noncompliance; provided, however, that in the event the Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

B. Title VI of the Civil Rights Act of 1964 and Iowa Civil Right Act of 1965.

This act provides that no person shall be excluded from participation, denied benefits, or subjected to discrimination on the basis of race, color, or national origin under any program or activity receiving federal financial assistance. Iowa Civil Right Act mirrors the Federal Civil Rights Act.

C. Federal Executive Order 11063, as amended by Executive Order 12259 Equal Opportunity Housing

D. Section 109 of Title I of the Housing and Community Development Act.

This act provides that no person shall be excluded from participation, including employment, denied program benefits, or subjected to discrimination on the basis of race, color, physical or mental disabilities, national origin, sex, handicap, religion or religious affiliation, or age under any program or activity funded in whole or in part under Title I of this act.

E. Section 3 of the Housing and Urban Development Act of 1965 (as amended).

A. The work to be performed under this contract is subject to the requirements of section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u (section 3). The purpose of section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by section 3, shall, to the greatest extent feasible, be directed to low- and very low-income persons, particularly persons who are recipients of HUD assistance for housing.

B. The parties to this contract agree to comply with HUD's regulations in 24 CFR part 135, which implement section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the part 135 regulations.

C. The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking applications for each of the positions; and the anticipated date the work shall begin.

D. The contractor agrees to include this section 3 clause in every subcontract subject to compliance with regulations in 24 CFR part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR part 135. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR part 135.

E. The contractor will certify that any vacant employment positions, including training positions, that are filled (1) after the contractor is selected but before the contract is executed, and (2) with persons other than those to whom the regulations of 24 CFR part 135 require employment opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR part 135.

F. Noncompliance with HUD's regulations in 24 CFR part 135 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.

G. With respect to work performed in connection with section 3 covered Indian housing assistance, section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450e) also applies to the work to be performed under this contract. Section 7(b) requires that to the greatest extent feasible (i) preference and opportunities for training and employment shall be given to Indians, and (ii) preference in the award of contracts and subcontracts shall be given to Indian

organizations and Indian-owned Economic Enterprises. Parties to this contract that are subject to the provisions of section 3 and section 7(b) agree to comply with section 3 to the maximum extent feasible, but not in derogation of compliance with section 7(b).

F. The Americans with Disabilities Act (P.L. 101-336, 42 U.S.C. 12101-12213).

This act guarantees equal opportunity for individuals with disabilities in public accommodations, employment, transportation, state and local government services and telecommunications.

G. Access to and Maintenance of Records. The Contractor must maintain all required records for five years after final payments are made and all other pending matters are closed. At any time during normal business hours and as frequently as is deemed necessary, the Contractor shall make available and furnish all information and reports required, and will permit access to books, records, and accounts by the Owner, Department of Housing and Urban Development, the Secretary of Labor, the Iowa Economic Development Authority or their authorized representatives, for purposes of investigation to ascertain compliance.

H. Termination. The Owner and/or the Contractor shall have the right to terminate this Contract at any time by giving at least ten (10) days notice in writing. The notice shall specify the effective date of such termination. Upon cancellation, the Owner will be responsible only for those costs incurred by the Contractor to the date of termination. In the event of termination, all finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs and reports prepared by the Contractor under this Contract shall, at the option of the City, become its property and the Contractor shall be entitled to receive just and equitable compensation for any work satisfactorily completed hereunder.

I. Awarding Agency Reporting Requirements. The Contractor must provide information as necessary and as requested by the Iowa Economic Development Authority for the purpose of fulfilling all reporting requirements related to the CDBG program.

J. Energy Efficiency. Mandatory standards and policies relating to energy efficiency which are contained in the State energy conservation plan issued in compliance with the Energy Policy and Conservation Act.
Pub. L 94-163, 89 Stat. 871

K. All Contracts in Excess of \$100,000.

In addition to the preceding provisions, Contracts in excess of \$100,000 shall require compliance with the following laws and regulations:

- Section 306 of the Clean Air Acts [42 U.S.C. 1857 (h)].
- Section 508 of the Clean Water Act [33 U.S.C. 1368].
- Executive Order 11738.
- EPA Regulations - 40 CFR, Part 15.

In accordance with the Clean Air and Water Act, the Contractor agrees as follows:

- 1) The Contractor will certify that any facility to be utilized in the performance of any nonexempt contract or subcontract is not listed on the List of Violating Facilities issued by the Environmental Protection Agency pursuant to 40 CFR 15.20.
- 2) The Contractor agrees to comply with all the requirements of Section 114 of the Clean Air Act, as amended, (42 U.S.C. 1857c-8) and Section 308 of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1318) relating to inspection, monitoring, entry, reports, and information, as well as all other requirements specified in said Section 114 and Section 308, and all regulations and guidelines issued thereunder.

- 3) The Contractor agrees that as a condition for the award of a Contract, prompt notice will be given of any notification received from the Director, Office of Federal Activities, Environmental Protection Agency, indicating that a facility utilized or to be utilized for the Contract is under consideration to be listed on the Environmental Protection Agency List of Violating Facilities.
- 4) The Contractor agrees that it will include or cause to be included the criteria and requirements in Paragraphs (1) through (4) of this section in every nonexempt subcontract and require every subcontractor to take such action as the Government may direct as a means of enforcing such provisions.

L. All Contracts in Excess of \$2,000.

In addition to the preceding provisions, all construction contracts in excess of \$2,000 must include the Federal Labor Standards Provisions:

- Davis-Bacon and Related Acts
- Contract Work Hours and Safety Standard Act
- Copeland Anti-kickback Act

IN WITNESS WHEREOF, the Parties hereto have executed this instrument, in triplicate on the date first shown written.

JURISDICTION: City of Storm Lake

CONTRACTOR:

By _____
Michael Porsch, Mayor

(Seal)
ATTEST:

Mayra Martinez, City Clerk

By _____
Contractor's Contact Name
Contractor's Title

Street Address

City, State, Zip Code

Telephone

CONTRACTOR PUBLIC REGISTRATION INFORMATION to be Provided By:

1. All Contractors: The Contractor shall enter its Public Registration No. _____ issued by the Iowa Commissioner of Labor pursuant to Section 91C.5 of the Iowa Code.
2. Out-of-State Contractors:
 - A. Pursuant to Section 91C.7 of the Iowa Code, an out-of-state contractor, before commencing a contract in excess of five thousand dollars in value in Iowa, shall file a bond with the division of labor services of the department of workforce development. The contractor should contact 515-242-5871 for further information. Prior to contract execution, the Jurisdictional Engineer may forward a copy of this contract to the Iowa Department of Workforce Development as notification of pending construction work. It is the contractor's responsibility to comply with said Section 91C.7 before commencing this work.
 - B. Prior to entering into contract, the designated low bidder, if it is a corporation organized under the laws of a state other than Iowa, shall file with the Jurisdictional Engineer a certificate from the Secretary of the State of Iowa showing that it has complied with all the provisions of Chapter 490 of the Code of Iowa, as amended, governing foreign corporations. For further information contact the Iowa Secretary of State Office at 515-281-5204.

Bond No. _____

Name of Surety _____

NOTE: All signatures on this contract must be original signatures in ink; electronic, copies or facsimile of any signature will not be accepted.

CORPORATE ACKNOWLEDGMENT

State of _____)
_____) SS
_____ County)

On this ____ day of _____, 20____, before me, the undersigned, a Notary Public in and for the State of _____, personally appeared _____ and _____, to me known, who, being by me duly sworn, did say that they are the _____, and _____, respectively, of the corporation executing the foregoing instrument; that (no seal has been procured by) (the seal affixed thereto is the seal of) the corporation; that said instrument was signed (and sealed) on behalf of the corporation by authority of this Board of Directors; that _____ and _____ acknowledged the execution of the instrument to be the voluntary act and deed of the corporation, by it and by them voluntarily executed.

Notary Public in and for the State of _____
My commission expires _____ 20, _____

PARTNERSHIP ACKNOWLEDGMENT

State of _____)
_____) SS
_____ County)

On this ____ day of _____, 20 ____, before me, the undersigned, a Notary Public in and for the State of _____, personally appeared _____ to me personally known, who being by me duly sworn, did say that the person is one of the partners of _____, a partnership, and that the instrument was signed on behalf of the partnership by authority of the partners and the partner acknowledged the execution of the instrument to be the voluntary act and deed of the partnership by it and by the partner voluntarily executed.

Notary Public in and for the State of _____
My commission expires _____ 20, _____

INDIVIDUAL ACKNOWLEDGMENT

State of _____)
_____) SS
_____ County)

On this ____ day of _____, 20 ____, before me, the undersigned, a Notary Public in and for the State of _____, personally appeared _____ and _____, to me known to be the identical person(s) named in and who executed the foregoing instrument, and acknowledged that (he) (she) (they) executed the instrument as (his) (her) (their) voluntary act and deed.

Notary Public in and for the State of _____
My commission expires _____ 20, _____

LIMITED LIABILITY COMPANY ACKNOWLEDGMENT

State of _____)
_____) SS
_____ County)

On this ____ day of _____, 20 ____, before me a Notary Public in and for said county, personally appeared _____, to me personally known, who being by me duly sworn did say that person is _____ of said _____, that (the seal affixed to said instrument is the seal of said OR no seal has been procured by the said) _____, and that said instrument was signed and sealed on behalf of the said _____, by authority of its managers and the said _____ acknowledged the execution of said instrument to be the voluntary act and deed of said _____, by it voluntarily executed.

Notary Public in and for the State of _____
My commission expires _____ 20, _____

CONTRACT ATTACHMENT: ITEM 1: GENERAL - NONE

CONTRACT ATTACHMENT: ITEM 2: BID ITEMS AND, QUANTITIES

THIS CONTRACT IS AWARDED AND EXECUTED FOR COMPLETION OF THE WORK SPECIFIED IN THE CONTRACT DOCUMENTS FOR THE BID PRICES TABULATED BELOW AS PROPOSED BY THE CONTRACTOR IN ITS PROPOSAL SUBMITTED IN ACCORDANCE WITH NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING. ALL QUANTITIES ARE SUBJECT TO REVISION BY THE JURISDICTION. THE JURISDICTION RESERVES THE RIGHT TO ADJUST QUANTITIES AS NECESSARY TO MAXIMIZE FUNDS BUDGETED FOR THIS PROJECT AS NOTED IN SECTION 00500 – CONTRACT.

ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1	MOBILIZATION	1	LS		
2	TRAFFIC CONTROL	1	LS		
3	8" CIPP (CURED-IN-PLACE-PIPE) LINING	12174	LF		
4	REINSTATE LATERAL (ANY SIZE)	280	EA		
5	TRIM PROTRUDING TAP (IRON/NON-IRON)	20	EA		
6	LATERAL GROUTING	20	EA		
7	MANHOLE REHABILITATION	415.5	VF		
8	INTERNAL CHIMNEY SEALS	44	EA		
TOTAL:					

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SECTION 00501 - FEDERAL LABOR STANDARDS PROVISIONS

2021 CIPP SANITARY SEWER IMPROVEMENTS

CITY OF STORM LAKE

Applicability

The Project or Program to which the construction work covered by this contract pertains is being assisted by the United States of America and the following Federal Labor Standards Provisions are included in this Contract pursuant to the provisions applicable to such Federal assistance.

A. 1. (i) Minimum Wages. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR Part 3), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under Section I(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of 29 CFR 5.5(a)(1)(iv); also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs, which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under 29 CFR 5.5(a)(1)(ii) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible, place where it can be easily seen by the workers.

(ii) (a) Any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. HUD shall approve an additional classification and wage rate and fringe benefits therefor only when the following criteria have been met:

(1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(2) The classification is utilized in the area by the construction industry; and

(3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(b) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and HUD or its designee agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by HUD or its designee to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, D.C. 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB control number 1215-0140.)

(c) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and HUD or its designee do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), HUD or its designee shall refer the questions, including the views of all interested parties and the recommendation of HUD or its designee, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140.)

(d) The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (1)(ii)(b) or (c) of this paragraph, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part

of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140.)

2. Withholding. HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract in the event of failure to pay any laborer or mechanic, including any apprentice, trainee or helper, employed or working on the site of the work, all or part of the wages required by the contract, HUD or its designee may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased. HUD or its designee may, after written notice to the contractor, disburse such amounts withheld for and on account of the contractor or subcontractor to the respective employees to whom they are due. The Comptroller General shall make such disbursements in the case of direct Davis-Bacon Act contracts.

3. (i) Payrolls and basic records. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in Section I(b)(2)(B) of the Davis-bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5 (a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in Section I(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been

communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs. (Approved by the Office of Management and Budget under OMB Control Numbers 1215-0140 and 1215-0017.)

(ii) (a) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to HUD or its designee if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant sponsor, or owner, as the case may be, for transmission to HUD or its designee. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i) except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to HUD or its designee if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant sponsor, or owner, as the case may be, for transmission to HUD or its designee, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this subparagraph for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to HUD or its designee. (Approved by the Office of Management and Budget under OMB Control Number 1215-0149.)

(b) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be provided under 29 CFR 5.5 (a)(3)(ii), the appropriate information is being maintained under 29 CFR 5.5(a)(3)(i), and that such information is correct and complete;

(2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR Part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(c) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by subparagraph A.3.(ii)(b).

(d) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 231 of Title 31 of the United States Code.

(iii) The contractor or subcontractor shall make the records required under subparagraph A.3.(i) available for inspection, copying, or transcription by authorized representatives of HUD or its designee or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, HUD or its designee may, after written notice to the contractor, sponsor, applicant or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and Trainees.

(i) **Apprentices.** Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who

is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) **Trainees.** Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by

the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal employment opportunity. The utilization of apprentices, trainees and journeymen under 29 CFR Part 5 shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR Part 3 which are incorporated by reference in this contract

6. Subcontracts. The contractor or subcontractor will insert in any subcontracts the clauses contained in subparagraphs 1 through 11 in this paragraph A and such other clauses as HUD or its designee may by appropriate instructions require, and a copy of the applicable prevailing wage decision, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this paragraph.

7. Contract termination; debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act Requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this contract

9. Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and HUD or its designee, the U.S. Department of Labor, or the employees or their representatives.

10. (i) Certification of Eligibility. By entering into this contract the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1) or to be

awarded HUD contracts or participate in HUD programs pursuant to 24 CFR Part 24.

(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1) or to be awarded HUD contracts or participate in HUD programs pursuant to 24 CFR Part 24.

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001. Additionally, U.S. Criminal Code, Section 1010, Title 18, U.S.C., "Federal Housing Administration transactions", provides in part: "Whoever, for the purpose of . . . influencing in any way the action of such Administration..... makes, utters or publishes any statement knowing the same to be false..... shall be fined not more than \$5,000 or imprisoned not more than two years, or both."

11. Complaints, Proceedings, or Testimony by Employees. No laborer or mechanic to whom the wage, salary, or other labor standards provisions of this Contract are applicable shall be discharged or in any other manner discriminated against by the Contractor or any subcontractor because such employee has filed any complaint or instituted or caused to be instituted any proceeding or has testified or is about to testify in any proceeding under or relating to the labor standards applicable under this Contract to his employer.

B. Contract Work Hours and Safety Standards Act. The provisions of this paragraph B are applicable where the amount of the prime contract exceeds \$100,000. As used in this paragraph, the terms "laborers" and "mechanics" include watchmen and guards.

(1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which the individual is employed on such work to work in excess of 40 hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of 40 hours in such workweek.

(2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in subparagraph (1) of this paragraph, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in subparagraph (1) of this paragraph, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of 40 hours without payment of the overtime wages required by the clause set forth in subparagraph (1) of this paragraph.

(3) Withholding for unpaid wages and liquidated damages. HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contract, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act which is held by the same prime contractor such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in subparagraph (2) of this paragraph.

(4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in subparagraph (1) through (4) of this paragraph and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in subparagraphs (1) through (4) of this paragraph.

C. Health and Safety. The provisions of this paragraph C are applicable where the amount of the prime contract exceeds \$100,000.

(1) No laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to his health and safety as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation.

(2) The Contractor shall comply with all regulations issued by the Secretary of Labor pursuant to Title 29 Part 1926 and failure to comply may result in imposition of sanctions pursuant to the Contract Work Hours and Safety Standards Act, (Public Law 91-54, 83 Stat 96). 40 USC 3701 et seq.

(3) The contractor shall include the provisions of this paragraph in every subcontract so that such provisions will be binding on each subcontractor. The contractor shall take such action with respect to any subcontractor as the Secretary of Housing and Urban Development or the Secretary of Labor shall direct as a means of enforcing such provisions.

SECTION 00502 – WAGE DECISION
2021 CIPP SANITARY SEWER IMPROVEMENTS
CITY OF STORM LAKE

"General Decision Number: IA20210028 01/01/2021

Superseded General Decision Number: IA20200028

State: Iowa

Construction Types: Heavy and Highway

Counties: Adair, Adams, Allamakee, Appanoose, Audubon, Benton, Black Hawk, Boone, Bremer, Buchanan, Buena Vista, Butler, Calhoun, Carroll, Cass, Cedar, Cerro Gordo, Cherokee, Chickasaw, Clarke, Clay, Clayton, Clinton, Crawford, Dallas, Davis, Decatur, Delaware, Des Moines, Dickinson, Dubuque, Emmet, Fayette, Floyd, Franklin, Fremont, Greene, Grundy, Guthrie, Hamilton, Hancock, Hardin, Harrison, Henry, Howard, Humboldt, Ida, Iowa, Jackson, Jasper, Jefferson, Johnson, Jones, Keokuk, Kossuth, Lee, Linn, Louisa, Lucas, Lyon, Madison, Mahaska, Marion, Marshall, Mills, Mitchell, Monona, Monroe, Montgomery, Muscatine, O'Brien, Osceola, Page, Palo Alto, Plymouth, Pocahontas, Polk, Pottawattamie, Poweshiek, Ringgold, Sac, Shelby, Sioux, Story, Tama, Taylor, Union, Van Buren, Wapello, Warren, Washington, Wayne, Webster, Winnebago, Winneshiek, Woodbury, Worth and Wright Counties in Iowa.

EXCLUDES SCOTT COUNTY

HEAVY AND HIGHWAY CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.95 for calendar year 2021 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.95 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2021. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/01/2021

SUIA2020-001 10/18/2017

Rates	Fringes
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Carpenter & Piledrivermen

ZONE 1.....	\$ 28.52	14.08
ZONE 2.....	\$ 26.73	14.08
ZONE 3.....	\$ 26.73	14.08
ZONE 4.....	\$ 26.25	11.50
ZONE 5**.....	\$ 25.15	9.90

CONCRETE FINISHER

ZONE 1.....	\$ 28.10	7.40
ZONE 2.....	\$ 28.10	7.40
ZONE 3.....	\$ 28.10	7.40
ZONE 4.....	\$ 25.45	6.40
ZONE 5.....	\$ 24.40	6.40

ELECTRICIAN (STREET AND HIGHWAY LIGHTING AND TRAFFIC SIGNALS)

ZONE 1, 2, AND 3.....	\$ 25.05	6.80
ZONE 4.....	\$ 23.75	6.80
ZONE 5.....	\$ 21.60	6.80

IRONWORKER (SETTING OF STRUCTURAL STEEL)

ZONE 1.....	\$ 31.50	10.90
ZONE 2.....	\$ 29.41	10.90
ZONE 3.....	\$ 29.41	11.20
ZONE 4.....	\$ 27.35	9.90
ZONE 5**.....	\$ 25.50	9.45

LABORER

ZONE 1, 2 AND 3		
GROUP A.....	\$ 23.75	9.68
GROUP AA.....	\$ 26.13	9.68
GROUP B.....	\$ 21.90	9.68
GROUP C.....	\$ 18.82	9.68
ZONE 4		
GROUP A.....	\$ 21.27	9.08
GROUP B.....	\$ 19.95	9.08
GROUP C.....	\$ 17.07	9.08
ZONE 5		
GROUP A.....	\$ 21.77	7.63
GROUP B.....	\$ 19.27	7.63
GROUP C.....	\$ 18.42	7.63

POWER EQUIPMENT OPERATOR

ZONE 1		
GROUP A.....	\$ 32.55	14.90
GROUP B.....	\$ 31.00	14.90
GROUP C.....	\$ 28.50	14.90
GROUP D.....	\$ 28.50	14.90
ZONE 2		
GROUP A.....	\$ 31.85	14.90
GROUP B.....	\$ 30.25	14.90
GROUP C.....	\$ 27.70	14.90
GROUP D.....	\$ 27.70	14.90
ZONE 3		
GROUP A.....	\$ 29.70	24.65
GROUP B.....	\$ 27.90	24.65
GROUP C.....	\$ 26.90	24.65
GROUP D.....	\$ 26.90	24.65
ZONE 4		
GROUP A.....	\$ 31.05	12.50
GROUP B.....	\$ 29.91	12.50
GROUP C.....	\$ 27.83	12.50
GROUP D.....	\$ 27.83	12.50

ZONE 5		
GROUP A.....	\$ 28.02	10.70
GROUP B.....	\$ 26.98	10.70
GROUP C.....	\$ 25.25	10.70
GROUP D.....	\$ 24.25	10.70

TRUCK DRIVER (AND PAVEMENT
MARKING DRIVER/SWITCHPERSON)

ZONE 1.....	\$ 24.45	11.15
ZONE 2		
.....	\$ 24.45	11.15
ZONE 3.....	\$ 24.45	11.15
ZONE 4.....	\$ 24.45	6.95
ZONE 5		
.....	\$ 22.50	6.95

ZONE DEFINITIONS

ZONE 1 The Counties of Polk, Warren, and Dallas for all Crafts, and Linn County Carpenters only.

ZONE 2 The Counties of Dubuque for all Crafts and Linn County for all Crafts except Carpenters.

ZONE 3 The Cities of Burlington, Clinton, Fort Madison, Keokuk, and Muscatine (and abutting municipalities of any such cities).

ZONE 4 Story, Black Hawk, Cedar, Jasper, Jones, Jackson, Louisa, Madison, and Marion Counties; Clinton County (except the City of Clinton), Johnson County, Muscatine County (except the City of Muscatine), the City of Council Bluffs, Lee County and Des Moines County.

ZONE 5 All areas of the state not listed above.

LABORER CLASSIFICATIONS - ALL ZONES

GROUP AA - {Skilled pipelayer (sewer, water and conduits) and tunnel laborers; asbestos abatement worker} (Zones 1, 2 and 3).

GROUP A - Carpenter tender on bridges and box culverts; curb machine (without a seat); deck hand; diamond & core drills; drill operator on air tracs, wagon drills and similar drills; form setter/stringman on paving work; gunnite nozzleman; joint sealer kettleman; laser operator; powderman tender; powderman/blaster; saw operator; {pipelayer (sewer, water, and conduits); sign erector*; tunnel laborer; asbestos abatement worker (Zones 4 and 5)}, sign erector.

GROUP B - Air, gas, electric tool operator; barco hammer; carpenter tender; caulker; chain sawman; compressor (under 400 cfm); concrete finisher tender; concrete processing materials and monitors; cutting torch on demolition; drill tender; dumpmen; electric drills; fence erectors; form line expansion joint assembler; form tamper; general laborer; grade checker; handling and placing metal mesh, dowel bars, reinforcing bars and chairs; hot asphalt laborer; installing temporary traffic control devices; jackhammerman; mechanical grouter; painter (all except stripers); paving breaker; planting trees, shrubs and flowers; power broom (not self-propelled); power buggyman; rakers; rodman (tying reinforcing steel); sandblaster; seeding and mulching; sewer utility topman/bottom man; spaders; stressor or stretcherman on pre or post tensioned concrete; stringman on re/surfacing/no grade control; swinging stage, tagline, or block and tackle; tampers; timberman; tool room men and checkers; tree climber; tree groundman; underpinning and shoring caissons over twelve

feet deep; vibrators; walk behind trencher; walk behind paint strippers; walk behind vibrating compactor; water pumps (under three inch); work from bosun chair.

GROUP C - Scale weigh person; traffic control/flagger, surveillance or monitor; water carrier.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS - ALL ZONES

GROUP A - All terrain (off road) forklift; asphalt breakdown roller (vibratory); asphalt laydown machine; asphalt plant; asphalt screed; bulldozer (finish); central mix plant; concrete pump; crane; crawler tractor pulling scraper; directional drill (60,000 (lbs) pullback and above); dragline and power shovel; dredge engine; excavator (over 1 cu. yd.); front end loader (4 cy and over); horizontal boring machine; master mechanic; milling machine (over 350 hp); motor grader (finish); push cat; rubber tired backhoe (over 1 cu. yd.); scraper (12 cu. yd. and over or finish); Self-propelled rotary mixer/road reclaimer; sidebroom tractor; slipform portland concrete paver; tow or push boat; trenching machine (Cleveland 80 or similar)

GROUP B - Articulated off road hauler, asphalt heater/planer; asphalt material transfer vehicle; asphalt roller; belt loader or similar loader; bulldozer (rough); churn or rotary drill; concrete curb machine; crawler tractor pulling ripper, disk or roller; deck hand/oiler; directional drill (less than 60,000 (lbs) pullback); distributor; excavator (1/2 cu. yd. and under); form riding concrete paver; front end loader (2 to less than 4 cu. yd.); group equipment greaser; mechanic; milling machine (350 hp. and less); paving breaker; portland concrete dry batch plant; rubber tired backhoe (1/2 cu. yd. and under); scraper (under 12 cu. yd.); screening, washing and crushing plant (mobile, portable or stationary); shoulder machine; skid loader (1 cu. yd. and over); subgrader or trimmer; trenching machine; water wagon on compaction.

GROUP C - Boom & winch truck; concrete spreader/belt placer; deep wells for dewatering; farm type tractor (over 75 hp.) pulling disc or roller; forklift; front end loader (under 2 cu. yd.); motor grader (rough); pile hammer power unit; pump (greater than three inch diameter); pumps on well points; safety boat; self-propelled roller (other than asphalt); self-propelled sand blaster or shot blaster, water blaster or striping grinder/remover; skid loader (under 1 cu. yd.); truck mounted post driver.

GROUP D - Boiler; compressor; cure and texture machine; dow box; farm type or utility tractor (under 75 hp.) pulling disk, roller or other attachments; group greaser tender; light plants; mechanic tender; mechanical broom; mechanical heaters; oiler; pumps (under three inch diameter); tree chipping machine; truck crane driver/oiler.

** CARPENTERS AND PILEDRIVMEN, or IRONWORKERS (ZONE 5)

Setting of structural steel; any welding incidental to bridge or culvert construction; setting concrete beams.

* ADDED CRAFT - SIGN ERECTOR

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that

classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an

interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

=====

END OF GENERAL DECISION

"

SECTION 00610 - PERFORMANCE, PAYMENT AND MAINTENANCE BOND

2021 CIPP Sanitary Sewer Improvements
City of Storm Lake

KNOW ALL BY THESE PRESENTS:

That we, _____, as Principal (hereinafter the "Contractor" or "Principal" and _____, as Surety are held and firmly bound unto _____, as Obligee (hereinafter referred to as "the Jurisdiction"), and to all persons who may be injured by any breach of any of the conditions of this Bond in the penal sum of _____ DOLLARS (\$ _____), lawful money of the United States, for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, legal representatives and assigns, jointly or severally, firmly by these presents.

The conditions of the above obligations are such that whereas said Contractor entered into a contract with the Jurisdiction, bearing date the _____ day of _____, _____, hereinafter the "Contract" wherein said Contractor undertakes and agrees to construct the 2021 CIPP Sanitary Sewer Improvements project in Storm Lake, IA 50588.

and to faithfully perform all the terms and requirements of said Contract within the time therein specified, in a good and workmanlike manner, and in accordance with the Contract Documents. Provided, however, that one year after the date of acceptance as complete of the work under the above referenced Contract, the maintenance portion of this Bond shall continue in force for the stated maintenance period.

It is expressly understood and agreed by the Contractor and Surety in this bond that the following provisions are a part of this Bond and are binding upon said Contractor and Surety, to-wit:

PERFORMANCE: The Contractor shall well and faithfully observe, perform, fulfill, and abide by each and every covenant, condition, and part of said Contract and Contract Documents, by reference made a part hereof, for the above referenced improvements and shall indemnify and save harmless the Jurisdiction from all outlay and expense incurred by the Jurisdiction by reason of the Contractor's default of failure to perform as required. The Contractor shall also be responsible for the default or failure to perform as required under the Contract and Contract Documents by all its subcontractors, suppliers, agents, or employees furnishing materials or providing labor in the performance of the Contract.

PAYMENT: The Contractor and the Surety on this Bond are hereby agreed to pay all just claims submitted by persons, firms, subcontractors, and corporations furnishing materials for or performing labor in the performance of the Contract on account of which this Bond is given, including but not limited to claims for all amounts due for labor, materials, lubricants, oil, gasoline, repairs on machinery, equipment and tools, consumed or used by the Contractor or any subcontractor, wherein the same are not satisfied out of the portion of the contract price which the Jurisdiction is required to retain until completion of the improvement, but the Contractor and Surety shall not be liable to said persons, firms, or corporations unless the claims of said claimants against said portion of the contract price shall have been established as provided by law. The Contractor and Surety hereby bind themselves to the obligations and conditions set forth in Chapter 573, Code of Iowa, which by this reference is made a part hereof as though fully set out herein.

MAINTENANCE: The Contractor and the Surety on this Bond hereby agree, at their own expense:

To remedy any and all defects that may develop in or result from work to be performed under the Contract as detailed in Section 00500 - Contract, from the date of acceptance of the work under the Contract, by reason of defects in workmanship or materials used in construction of said work;

To keep all work in continuous good repair; and

To pay the Jurisdiction's reasonable costs of monitoring and inspection to assure that any defects are remedied and to repay the Jurisdiction all outlay and expense incurred as a result of Contractor's and Surety's failure to remedy any defect as required by this section.

Contractor's and Surety's agreement herein made extends to defects in workmanship or materials not discovered or known to the Jurisdiction at the time such work was accepted.

GENERAL: Every Surety on this Bond shall be deemed and held bound, any contract to the contrary notwithstanding, to the following provisions:

To consent without notice to any extension of time to the Contractor in which to perform the Contract;

To consent without notice to any change in the Contract or Contract Documents, which thereby increases the total contract price and the penal sum of this bond, provided that all such changes do not, in the aggregate, involve an increase of more than twenty percent of the total contract price, and that this bond shall then be released as to such excess increase; and

To consent without notice that this Bond shall remain in full force and effect until the Contract is completed, whether completed within the specified contract period, within an extension thereof, or within a period of time after the contract period has elapsed and the liquidated damage penalty is being charged against the Contractor.

The Contractor and every Surety on the bond shall be deemed and held bound, any contract to the contrary notwithstanding, to the following provisions:

That no provision of this Bond or of any other contract shall be valid which limits to less than five years after the acceptance of the work under the Contract the right to sue on this Bond.

That as used herein, the phrase "all outlay and expense" is not to be limited in any way, but shall include the actual and reasonable costs and expenses incurred by the Jurisdiction including interest, benefits and overhead where applicable. Accordingly, "all outlay and expense" would include but not be limited to all contract or employee expense, all equipment usage or rental, materials, testing, outside experts, attorney's fees (including overhead expenses of the Jurisdiction's staff attorneys), and all costs and expenses of litigation as they are incurred by the Jurisdiction. It is intended the Contractor and Surety will defend and indemnify the Jurisdiction on all claims made against the Jurisdiction on account of Contractor's failure to perform as required in the Contract and Contract Documents, that all agreements and promises set forth in the Contract and Contract Documents, in approved change orders, and in this Bond will be fulfilled, and that the Jurisdiction will be fully indemnified so that it will be put into the position it would have been in had the Contract been performed in the first instance as required.

In the event the Jurisdiction incurs any "outlay and expense" in defending itself with respect to any claim as to which the Contractor or Surety should have provided the defense, or in the enforcement of the promises given by the Contractor in the Contract, Contract Documents, or approved change orders, or in the enforcement of the promises given by the Contractor and Surety in this Bond, the Contractor and Surety agree that they will make the Jurisdiction whole for all such outlay and expense, provided that the Surety's obligation under this bond shall not exceed 125% of the penal sum of this bond.

In the event that any actions or proceedings are initiated with respect to this Bond, the parties agree that the venue thereof shall be Buena Vista County, State of Iowa. If legal action is required by the Jurisdiction to enforce the provisions of this Bond or to collect the monetary obligation incurring to the benefit of the Jurisdiction, the Contractor and the Surety agree, jointly and severally, to pay the Jurisdiction all outlay and expense incurred therefor by the Jurisdiction. All rights, powers, and remedies of the Jurisdiction hereunder shall be cumulative and not alternative and shall be in addition to all rights, powers and remedies given to the Jurisdiction, by law. The Jurisdiction may proceed against surety for any amount

guaranteed hereunder whether action is brought against the Contractor or whether Contractor is joined in any such action(s).

NOW THEREFORE, the condition of this obligation is such that if said Principal shall faithfully perform all the promises of the Principal, as set forth and provided in the Contract, in the Contract Documents, and in this Bond, then this obligation shall be null and void, otherwise it shall remain in full force and effect.

When a work, term, or phrase is used in this Bond, it shall be interpreted or construed first as defined in this Bond, the Contract, or the Contract Documents; second, if not defined in the Bond, Contract, or Contract Documents, it shall be interpreted or construed as defined in applicable provisions of the Iowa Code; third, if not defined in the Iowa Code, it shall be interpreted or construed according to its generally accepted meaning in the construction industry; and fourth, if it has no generally accepted meaning in the construction industry, it shall be interpreted or construed according to its common or customary usage.

Failure to specify or particularize shall not exclude terms or provisions not mentioned and shall not limit liability hereunder. The Contract and Contract Documents are hereby made a part of this Bond.

Project No. _____

(CON'T – PERFORMANCE, PAYMENT AND MAINTENANCE BOND)

Witness our hands, in triplicate, this _____ day of _____, _____.

Surety Countersigned By:

PRINCIPAL:

Signature of Iowa Resident Commission Agent as
Prescribed by Chapter 515.52-57, Iowa Code.
(Require only if Attorney-in-Fact is not also an
Iowa Resident Commission Agent).

Contractor

By:

Signature

Name of Resident Commission Agent

Title

Company Name

SURETY:

Company Address

Surety Company

City, State, Zip Code

By:

Signature Attorney-in-Fact Officer

Company Telephone Number

Name of Attorney-in-Fact Officer

Company Name

Company Address

City, State, Zip Code

Company Telephone Number

NOTE: All signatures on this Performance, Maintenance & Payment Bond must be original signatures in ink; electronic, copies, or facsimile of any signature will not be accepted. This bond must be sealed with the Surety's raised, embossing seal or official adhesive seal. The Certificate or Power of Attorney accompanying this bond must be valid on its face and sealed with the Surety's raised, embossing seal or official adhesive seal.

SECTION 00800 - SPECIAL PROVISIONS

FOR

2021 CIPP Sanitary Sewer Improvements
City of Storm Lake

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1) CONTRACT PROVISIONS

a) Completion Date

- i) All work under the Contract must be substantially complete as detailed in Section 00500 – Contract

b) Liquidated Damage

- i) Damages in the amount as detailed in Section 00500 –Contract per day will be assessed for each day the work remains incomplete.

c) Maintenance Bond & Warranty

- i) To remedy any and all defects as detailed in Section 00500 – Contract.

d) Bid Quantity Revisions

- i) All quantities are estimates and subject to revision by the Jurisdiction.
- ii) Quantity changes that do not materially change the character of the work to performed and amount to less than Twenty (20) percent of a given bid item or less than Five (5) percent of the total contract amount shall not affect the unit price bid.

2) DEFINITION AND INTENT

a) The Specifications that apply to the materials and construction practices for this project are defined as follows:

- i) The 2021 Edition of the SUDAS Standard Specifications, except as modified by these Special Provisions to the Technical Specifications.
- ii) Omissions of words or phrases such as “the Contractor shall”, “in accordance with”, “shall be”, “as noted on the Plans”, “according to the Plans”, “a”, “an”, “the” and “all” are unintentional; supply omitted words or phrases by inference.
- iii) “Owner”, “Jurisdiction” and “City” shall mean the City of Storm Lake, acting through the 2021 CIPP Sanitary Sewer Improvements Project.
- iv) “Person” shall mean any individual, partnership, limited partnership, joint venture, society, association, joint stock company, corporation, limited liability company, estate, receiver, trustee, assignee, or referee, whether appointed by a court or otherwise, and any combination of individuals.
- v) “Engineer” shall mean the Engineer on Record.
- vi) The intent of the Technical Specifications is to describe the construction desired, performance requirements, and standards of materials and construction.
- vii) “Standard Drawings” shall mean the Figures bound within the SUDAS Standard Specifications and/or the Typical Drawings bound within the plans.
- viii) “Work” shall mean the work to be done and the equipment, supplies, and materials to be furnished under the contract unless some other meaning is indicated by the context.
- ix) “Or equal” shall follow manufacturers names used to establish standards and, if not stated, is implied.

b) Engineer: Bolton & Menk, Inc., 218 11th Street SW, Spencer, IA 51301, (712) 580-5075, fax (515) 233-4430.

3) GENERAL PROVISIONS AND COVENANTS

a) Division 1 of the General Provisions and Covenants of the 2021 Edition SUDAS Standard Specifications is modified as follows:

i) Section 1020.1.09B, Unit Price Attachment.

- (a) A computer-generated unit price attachment may be submitted by the Bidder as specified by this Section.

- ii) Section 1050, 1.05 Shop Drawings, Certificates, and Equipment Lists.
 - (a) Electronic submittal of shop drawings will be allowed.
 - (b) If hardcopy submittals are used, the Contractor shall submit a minimum of three (3) copies plus any additional required by the Contractor.
- iii) Section 1050, 1.15 - Additional Contractor Responsibilities.

NO CHANGES

4) WORK REQUIRED

- a) Work under this contract includes all materials, equipment, transportation, traffic control, and associated work for the construction of the 2021 CIPP Sanitary Sewer Improvements as described in the Official Publication.

5) PLANS AND SPECIFICATIONS

- a) The Owner will furnish five (5) sets of plans and specifications to the Contractor after award of the contract. The Contractor shall compensate the Owner for printing costs for additional copies required.
- b) Contractor shall provide one set of plans and specifications for each foreman and superintendent in charge of each crew on the job.

6) SUBMITTALS

- a) Contractor shall provide a construction schedule showing dates of starting and completing various portions of work. Schedule shall be updated as needed or as requested by Engineer due to changes in progress of construction from original schedule. Updates shall be completed within one week of request.
- b) Contractor shall submit the following information for Engineer's review. Three (3) copies plus any additional copies required by Contractor shall be submitted to the Engineer at the preconstruction conference or at least 14 days prior to utilization of the particular item on this project.
 - i) Testing reports.
 - ii) Manufacturer's data for materials that are to be permanently incorporated into the project.
 - iii) Details of proposed methods of any special construction required.
 - iv) Purchase orders and subcontracts without prices.
 - v) Traffic control and staging plan.
 - vi) Such other information as the Engineer may request to insure compliance with contract documents.
 - vii) List of Subcontractors and Suppliers.

7) STANDARDS AND CODES

- a) Construct improvements with best present day construction practices and equipment.
- b) Conform with and test in accordance with applicable sections of the following standards and codes.
 - i) American Association of State Highway and Transportation Officials (AASHTO).

- ii) American Society for Testing and Materials (ASTM).
- iii) Iowa Department of Transportation Standard Specifications (Iowa DOT).
- iv) American National Standards Institute (ANSI).
- v) American Water Works Association (AWWA).
- vi) American Welding Society (AWS).
- vii) Federal Specifications (FS).
- viii) Iowa Occupational Safety and Health Act of 1972 (IOSHA).
- ix) Manual of Accident Prevention in Construction by Associated General Contractors of America, Inc. (AGC).
- x) Standards and Codes of the State of Iowa and the ordinances of the Owner.
- xi) Other standards and codes which may be applicable to acceptable standards of the industry for equipment, materials and installation under the contract.

8) CONSTRUCTION GENERAL

- a) Procedures outlined herein are not intended to fully cover all special construction procedures but are offered as an aid to the Contractor in planning work.
- b) Contractor shall cooperate with the City of Storm Lake, IA and the Engineer to minimize inconvenience to property owners, other jurisdictions and motorists and to prevent delays in construction and interruption to continuous operation of utility services and site access.
- c) The Contractor is expected to provide adequate personnel and equipment to perform work within the specified time of construction.
- d) Contractor shall install and maintain orange safety fence around all open trenches or open structures when left unattended.
- e) Contractor shall complete surface restoration and clean up activities as construction progresses.

9) EMPLOYMENT PRACTICES

- a) Neither the Contractor nor the Contractor's subcontractors shall employ any person whose physical or mental condition is such that their employment will endanger the health and safety of anyone employed on the Project.
- b) The Contractor shall not commit any of the following employment practices and agrees to include the following clauses in any subcontracts:
 - i) To discharge from employment or refuse to hire any individual because of sex, race, color, religion, national origin, sexual orientation, marital status, age, or disability unless such disability is related to job performance of such person or employee.
 - ii) To discriminate against any individual in terms, conditions, or privileges or employment because of sex, race, color, religion, national origin, sexual orientation, marital status, age, or disability unless such disability is related to job performance of such person or employee.

10) RESPONSIBILITY OF CONTRACTOR

- a) Contractor shall provide supervision of the work.
- b) Contractor shall provide protection of all property from injury or loss resulting from construction operations.
- c) Contractor shall replace or repair objects sustaining any such damage, injury, or loss, to the satisfaction of Owner and Engineer.
- d) Contractor shall cooperate with Owner, Engineer, and representatives of utilities in locating underground utility lines and structures. Incorrect, inaccurate, or inadequate information concerning location of utilities or structures shall not relieve the Contractor of responsibility for damage thereto caused by construction operations.
- e) Contractor shall keep cleanup current with construction operations.
- f) Contractor shall comply with all Federal, State of Iowa, and local laws and ordinances.

11) WORK HOURS/COMMUNITY EVENTS

- a) The Contractor will be required to limit work hours on the Project from 7:00 a.m. to 7:00 p.m., Monday through Saturday, unless otherwise directed by the Engineer.
- b) The following Community Events are scheduled. Contractor is required to coordinate with the Owner as needed to allow use of public property as necessary for the event. If contract continues for multiple years, event is still in force even though dates and locations may change.

12) CONSTRUCTION FACILITIES

- a) Contractor shall provide telephone numbers where Contractor's representative can be reached during work days and on nights and weekends in event of emergency.
- b) Contractor shall provide and maintain suitable sanitary facilities for construction personnel for duration of work; remove upon completion of work.
- c) Contractor shall not store construction equipment, employee vehicles, or materials on streets open to traffic.
- d) Contractor shall provide suitable storage facilities necessary for proper storage of materials and equipment. Location for storage of equipment by Contractor is subject to approval of Engineer.
- e) Contractor will be required to make arrangements for all services required during the construction period and pay for such services at no additional cost to the Owner.

13) PROJECT SUPERVISION

- a) The Contractor shall be represented in person at the construction site at all times that construction operations are proceeding. Representation constitutes a qualified superintendent or other designated, qualified representative capable of providing adequate supervision. The representative must be duly authorized to receive and execute instructions, notices, and written orders from the Engineer.
- b) Resolution of issues that arise during construction relating to traffic control, construction staging, etc. is the responsibility of the Contractor.

- c) Weekly progress meetings, if specified at the preconstruction conference may be held at the project site to review project schedule, coordinate activities, resolve conflicts, and coordinate the construction work. The day and time for this meeting will be set at the preconstruction conference. The Contractor shall provide qualified representation at each meeting.
- d) Refer to Division 1 – General Provisions and Covenants, Section 1080 – Contractual Provisions, Part 1 – Prosecution and Progress of the Work, Section 1.10 Contractors Employees, Methods and Equipment for additional requirements.
- e) Contractor shall provide supervision of all sub-contractors and their personnel while on the site.

14) COORDINATION WITH OTHERS

- a) Contractor shall cooperate and coordinate construction with the Owner, utility companies, affected property owners, and other contractors working in vicinity of this project.
- b) It is the Contractor's responsibility to schedule and coordinate work to minimize construction delays and conflicts.
- c) Contractor shall cooperate and coordinate with property owners prior to beginning work that will affect their parcel.

15) CONSTRUCTION LIMITS

- a) Contractor shall not store equipment, vehicles, or materials within the right-of-way of any streets open to traffic or on temporary access roads at any time.
- b) Areas disturbed outside of construction limits shall be restored at the contractor's expense to the satisfaction of the Jurisdiction.
- c) Contractor shall protect trees, fences, and landscaping within the construction limits not marked for removal.
- d) All work on this project will be within City Right-of-Way, Easements or Public Property.

16) CONSTRUCTION SCHEDULE

- a) The Contractor will prepare and submit to the Engineer a project schedule that will assure the completion of the project within the time specified within the Contract.
- b) Adequate equipment and forces shall be made available by the Contractor to start work immediately upon receipt of the Notice to Proceed.
- c) Contractor shall submit a construction schedule at the preconstruction conference.
- d) Contractor shall periodically update it as needed due to changes in progress of construction from original schedule or as requested by the Engineer. Updates shall be completed within one week of request.
- e) The Contractor shall be required to meet the final completion date as specified in the written Notice to Proceed.
- f) Contractor shall notify the City and property owners at least 48 hours prior to any street closures.
 - i) Notification shall be provided by written notice placed on the front door. The following items shall be included within the notice:

- (a) The street name, location and proposed date of street closure
- (b) The estimated schedule for completion of work
- (c) The estimated date for reopening of the street
- (d) Procedure for garbage collection recycling and postal service

17) CONSTRUCTION PHASING

- a) Contractor shall refer to construction staging and traffic control plans when included in construction plans.
- b) Contractor shall include construction phasing on the required construction schedule submittal.

18) MATERIALS TESTS

- a) Material testing as specified for construction will be completed by an independent testing laboratory retained by the Contractor and approved by the Engineer. Testing shall meet the requirements of the SUDAS Standard Specifications or as described within the Special Provisions.
- b) The Contractor shall coordinate all material testing with the Engineer.
- c) The Contractor shall provide transportation of all samples to the laboratory.
- d) The Contractor shall not deliver materials to the project site until laboratory tests have been furnished which verify compliance of materials with specifications.
- e) Contractor shall certify that materials and equipment are manufactured in accordance with applicable specifications.

19) SOIL BORINGS

- a) NONE.

20) EXISTING UTILITIES

- a) Location of utility lines, mains, cables, and appurtenances shown on plans are from information provided by utility companies and records of the Owner.
- b) The Contractor is solely responsible for damage to utilities or private or public property due to utility disruption.
- c) The Contractor shall notify utility company immediately if utility infrastructure is damaged during construction.
- d) The Contractor shall support and protect all utilities that are not moved.
- e) Utility services are not generally shown on plans; protect and maintain services during construction. Notify Jurisdiction and affected property Jurisdictions 48 hours prior to any planned utility service interruptions.
- f) If private utility work occurs within/adjacent to the site during the construction period, Contractor shall coordinate work schedules with the Engineer.
- g) Existing utilities shall remain in substantially continuous operation during construction. Contractor shall select the order and methods of construction that will not interfere with the operation of the utility systems. Interrupt utility services only with approval of Jurisdiction and Engineer.

- h) No claims for additional compensation or time extensions will be allowed to the Contractor for interference or delay caused by utility companies.

21) SALVAGE OF MATERIALS / DISPOSAL

- a) The Contractor shall remove from the project site and dispose of trees, shrubs, vegetation, excess soil excavation, rubbish, concrete, granular materials, and other materials encountered as shown on plans and as specified. Excess soil excavation not designated for waste locations shall be disposed as directed by the Engineer.
- b) The Contractor shall dispose of materials in accordance with applicable laws and ordinances. Disposal sites are subject to the review and approval of the Engineer.
- c) The Contractor shall cooperate with all applicable City, State and Federal agencies concerning disposal of materials.
- d) The Contractor shall carefully remove, in a manner to prevent damage, all materials and equipment specified or indicated as salvage. The Contractor shall protect and store items specified.
- e) Any items damaged in removal, storage, or handling through carelessness or improper procedures shall be replaced by the Contractor in kind with new items.

22) TRAFFIC CONTROL

- a) The Contractor shall provide sufficient surveillance of the traffic control devices to ensure compliance during the entire construction period. The Contractor shall furnish names, addresses, and phone numbers of at least two (2) local individuals capable of immediate response who will be responsible for the site security and traffic control devices to:
 - The Engineer
 - The Owner
 - Local Law Enforcement Agencies
- b) The Contractor shall respond with sufficient personnel, equipment and/or materials and conduct the required work or be subject to a \$ 100 per hour deduction from the time of notification for non-attention to project security and safety.
- c) The Contractor shall schedule the work to cooperate fully with business property owners and occupants abutting the project to minimize the time of restricted access to their property during the construction period.
- d) The Contractor shall notify the City and property owners at least 48 hours prior to any street closures.
 - i) Notification shall be provided by written notice delivered to the business. The following items shall be included within the notice:
 - (1) The street name, location and proposed date of street closure.
 - (2) The estimated schedule for completion of work.
 - (3) The estimated date for reopening of the street.
 - (4) Procedure for garbage collection/recycling and postal service.
- e) The cost of maintaining vehicular and pedestrian traffic on temporary surfaced drives, walkways, including the eventual removal of the temporary surfacing material, shall be considered incidental to traffic control.
- f) In the event that any of the above right-of-way require traffic to be detoured around the construction zone, the Contractor shall prepare the detour route with the appropriate Agency representatives. The Contractor shall provide and maintain all signing and other traffic control required. The affected Agency shall be notified by the

Contractor before re-routing traffic. Dust control and road maintenance of the by-pass route shall be the Contractor's responsibility.

- g) Contractor shall furnish, erect, and maintain traffic control devices as specified in the construction drawings and directed by the Engineer including signs, barrels, cones, and barricades to direct traffic and separate traffic from work areas. Traffic control shall be in place prior to the closing of any streets.
- h) Contractor shall provide traffic control devices in accordance with the Iowa DOT Standard Specification, Section 2528, Traffic Control, and the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD).
- i) Adjustments to the traffic control or the addition of flaggers will be required if, in the opinion of the Engineer, undue traffic congestion occurs.
- j) Contractor shall provide continuous access for police, fire, and other emergency vehicles.
- k) Contractor shall notify the Engineer in writing at least 72 hours prior to the start of any construction operation that will necessitate land closure or internal traffic control signing.

23) INCIDENTAL CONTRACT ITEMS

- a) The furnishing and installing of specific items and/or the performance of work under certain circumstances shall not be individually paid in the absence of a specific bid item for the work. These costs shall be included in the Unit Price bid for the individual items associated with the stated specific item or work effort. Such items of work include, but are not limited to:

- Coordination and cooperation with affected property owners
- Coordination and cooperation with the City of Storm Lake
- Coordination and cooperation with other Contractors
- Coordination and cooperation with other projects in the area
- Coordination and cooperation with utility companies
- Field testing
- Material testing
- Monitoring weather conditions
- Site cleanup/restoration
- Temporary safety closures

*******END OF SECTION*******

NOTICE OF AWARD
(To be executed after bid is awarded)

TO: Contractor _____
Address 1 _____
Address 2 _____
City, ST Zip _____

PROJECT TITLE: 2021 CIPP Sanitary Sewer Improvements
PROJECT DESCRIPTION: This project includes the installation of approximately 12,174 linear feet of 8" CIPP lining, and miscellaneous tasks to ensure proper installation of the liner. The project also includes the rehabilitation of 415.5 vertical feet of manholes and the installation of internal chimney seal.

OWNER'S NAME: City of Storm Lake

The OWNER has considered the BID submitted by you for the above described WORK in response to its Advertisement for Bids dated _____, 2021, and Information for Bidders.

You are hereby notified that your BID has been accepted for items in the amount of \$ _____.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER within fifteen (15) days of this, the _____ day of _____, 2021.

You must deliver to the OWNER Three (3) fully executed counterparts of the Agreement, including all the Contract Documents. Each of the Contract Documents must bear your signature. You must deliver with the executed Agreement acceptable Contract Security (Bonds), Certificate(s) of Insurance, and other required information. Within ten days after you comply with the above conditions, the OWNER will return to you one fully executed counterparts of the Agreement.

Dated this, the _____ day of _____, 2021

City of Storm Lake
Storm Lake, IA 50588

BY: _____

TITLE: _____

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged by _____,
this, the _____ day of _____, 2021.

BY: _____

TITLE: _____

NOTICE TO PROCEED

(To be executed after Agreement, Bonds and Insurance Certificates are approved)

TO: Contractor

Address 1

Address 2

City, ST Zip

Date:

Project Title: 2021 CIPP Sanitary Sewer
Improvements

Project Owner: City of Storm Lake

Project Location: Storm Lake, IA 50588

You are hereby notified to commence WORK in accordance with the Agreement awarded on _____, 2021. The Contract Time shall commence to run on Anticipated start date: _____, 2021. WORK shall proceed in accordance with the dates set forth in the Contract and all other provisions of the Contract Documents.

City of Storm Lake

Storm Lake, IA 50588

BY: _____

TITLE: _____

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED is hereby acknowledged by _____, this, the _____ day of _____, 2021.

BY: _____

TITLE: _____

Letter of Transmittal

Date: _____

Project No.: P11.122266

TO: _____

- ☐ UPS Dropdown Selection
- ☐ Fedex Ground
- ☐ Regular Mail
- ☐ Client Pick-up
- ☐ Hand Carry
- ☐ Fax
- ☐ Fax/Send

RE:

WE ARE ENCLOSING:

FOR YOUR: ☐ Review ☐ Records ☐ Approval ☐ Distribution ☐ Information
☐ Use as Requested ☐ Please Return Corrected Prints

REMARKS:

CC: _____ By: _____

SECTION 02532 - CURED-IN-PLACE-PIPE (CIPP) - GRAVITY

PART 1 -- GENERAL

1.1 SUMMARY

- A. This section covers the furnishing of all labor, materials, tools, equipment and performances of all work and services necessary or incidental to the installation of a resin-impregnated flexible liner which is inserted into the original conduit by use of a hydrostatic head. Methods that are pulled in and inflated (rather than inverted) may be considered, providing the method meets the other provisions of this specification. When cured, the finished pipe (CIPP) shall be continuous and tight fitting.

1.2 METHOD OF MEASUREMENT AND PAYMENT

- A. Measurement and compensation for the following items shall be paid according to the referenced specification or as modified below.
1. The contract unit price bid per LINEAR FOOT (LF) for CIPP shall be compensation in full for all equipment, materials, and labor required to complete the CIPP installation. Payment shall be based on the actual measurement of liner installed.
 2. The contract unit price bid per EACH (EA) for Lateral Reinstatement (any size) shall be compensation in full for all labor, materials, and equipment required to determine which are active, and complete the lateral reinstatements of all lateral lines conveying sewage in accordance with these specifications
 3. The contract unit price bid per EACH (EA) for Trimming Protruding Taps, for the appropriate type, shall be compensation in full for all labor, equipment and materials required to determine which taps are to be trimmed and subsequent trimming, regardless of tap diameter.
- B. The furnishing and installing of specific items and /or the performance of work under certain circumstances shall not be individually paid in the absence of a specific bid item for the work. The costs shall be included in the unit price bid for the CIPP, as indicated. Such items of work include, but are not limited to:
1. Coordination with City to coordinate access to the sanitary sewer systems.
 2. Securing and withdrawing from a water source.
 3. Furnishing, installing and maintaining traffic control devices where necessary not already provided for by bid items.
 4. Pre-installation and post-installation cleaning and televising.
 5. Removal and disposal of internal debris from the sewer mainline and services prior to installation.
 6. Bypass pumping unless otherwise specified and included in the bid form.
 7. Providing all required notifications of restricted sewer service periods to the Owner and residents affected by the work as well as coordination of resident relocations and reimbursements, if applicable.
 8. Installation of pipe pre-liners or grouting if required to install CIPP in areas of excess infiltration.
 9. Dye testing as required to determine active laterals (where needed).
 10. Installation of hydrophilic end seals at the ends of the liner in each manhole.
 11. Removal of liner in manholes if pulling/inverting through manholes (unless manhole is being abandoned).
 12. Excavation and restoration required to reinstate sewer services if the Contractor is unable to reinstate services via trenchless methods.

13. General project related restoration where not already provided by bid items.
14. Any required permits and incidental requirements.

1.3 SPECIFICATION REFERENCES

- A. This specification references below are made a part hereof by such reference and shall be the latest edition and revision thereof. In case of conflicting requirements between this specification and the ASTM referenced sections, this specification will govern.
 1. ASTM F2019 Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Pulled in Place Installation of Glass Reinforced Plastics (GRP) Cured-In-Place Pipe (CIPP)
 2. ASTM F1216 Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Inversion and Curing of a Resin-Impregnated Tube.
 3. ASTM F1743 Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Pull in and inflate and Curing of a Resin-Impregnated Tube.
 4. ASTM F2561 – Standard Practice for Rehabilitation of a Sewer Service Lateral and its Connection to the Main Using a One-Piece Main and Lateral Cured-in-Place Liner.
 5. ASTM D543 Test Method for Resistance of Plastics to Chemical Reagents
 6. ASTM D578 Standard Specification Glass Fiber Strands
 7. ASTM D638 Standard Test Method for Tensile Properties of Plastics.
 8. ASTM D790 Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.
 9. ASTM D2122 Standard 1 Test Method for Determining Dimensions of Thermoplastic Pipe and Fittings
 10. ASTM D2990 Standard Test Methods for Tensile, Compressive, and Flexural Creep and Creep-Rupture of Plastics
 11. ASTM D3567 Standard Practice for Determining Dimensions of “Fiberglass” (Glass-Fiber Reinforced Thermosetting Resin) Pipe and Fittings
 12. ASTM D5813 Standard Specification for Cured-in Place Thermosetting Resin Sewer Pipe
- B. Unless noted otherwise, the provisions in this section are in addition to the referenced specification.

1.4 SUBMITTALS

- A. Information Requested from the Low Bidder
 1. The Contractor shall submit, prior to the installation or use of any lining materials or equipment, certified test results from the manufacturers which indicate that all materials conform to the applicable requirements.
 2. A copy of the license or certificate verifying the manufacturer's or licensor's approval of the INSTALLER.
 3. Chemical resistance submittals --- The Contractor shall submit test results of the resin proposed that meet the chemical resistance requirements of ASTM F2019, Section 5.2.6. The chemical resistance tests will be completed in accordance with Test Method D543.
 4. CIPP Field Samples ---Field sampling procedure shall be in accordance with ASTM 2019 and in accordance with ASTM D5813.
 5. MSDS Sheets --- The Contractor shall submit Material Safety Data Sheets for all resins, and other additives such as accelerants, colorants, and lubricants utilized in the pipe liner/lining process.
 6. Manufacturer Protocols - The Contractor shall submit manufacturer information that describes the materials, curing speeds/schedule, curing installation processes, installation pressures, temperature limitations, and recommended post curing documentation.

7. Residential Informational Handout - The Contractor shall submit an informational hand out that describes the materials, processes, installation, pressures, temperature limitations, and odors associated with the lining process that shall be provided at the request of concerned residents.
 8. Liner pipe thickness design for each pipe segment. No liner will be approved for installation until liner thickness calculations have been submitted and reviewed for conformance with the specification.
 9. Proposed plan for temporary conveyance of sewer flows and bypass monitoring.
 10. Proposed construction schedule.
 11. Description of cure method(s) proposed by the Contractor.
- B. Televising Log
1. All televising and construction logs, or copies thereof, shall become the property of the Owner. This includes the videos made at the beginning of the project just prior to the installation of the liner.
 2. Televising logs shall be in provided in DVD format.
 3. Two copies of all DVD's shall be submitted.

PART 2 -- PRODUCTS

2.1 MATERIALS

- A. Liner - The liner material shall meet the requirements of ASTM F1216 and/or ASTM F2019.
- B. Resin - The resin system shall meet the requirements of ASTM F1216 and/or ASTM F2019. Neat resin shall be used for all lining of PVC pipes.
- C. Hydrophilic End Seals shall be LMK Insignia End Seal or approved substitution.

2.2 STRUCTURAL REQUIREMENTS

- A. The CIPP shall be designed as per ASTM F1216, Appendix X1. The CIPP design shall assume no bonding to the original pipe wall but a tight, intimate contact is required.
- B. The CIPP shall be designed using a Long Term Creep Retention Factor of fifty percent (50%) of the initial design flexural modulus as determine by ASTM D-790 test method. This value shall be used unless the Contractor submits long term test data (ASTM D2990) to substantiate a higher retention factor.
- C. The layers of the cured CIPP shall be uniformly bonded. It shall not be possible to separate any two layers with a probe or point of a knife blade so that the layers separate cleanly or the probe or knife blade moves freely between the layers.
- D. If separation of the layers occurs during testing of field samples, new samples will be cut from the work. Any reoccurrence may cause rejection of the work.
- E. The CIPP shall conform to the following properties:

	Standard	Min Value	Enhanced Value	UV Value
Flexural Strength	ASTM - D790	4,500 psi	4,500 psi	6,500 psi
Modulus of Elasticity	ASTM - D790	250,000 psi	400,000 psi	725,000 psi

- F. The design parameters are:

Pipe diameter	8	Inches
Maximum depth from finished ground to invert	18.5	Feet
Minimum depth from finished ground to invert	2.5	Feet

Groundwater Depth	Equal to Soil Depth	Feet
Cover density (assumed)	120	Lbs/cf
Design Safety Factor (1.5 for pipes 36 inches and larger)	2.0	Value
Ovality	10%	Percent
Enhancement Factor (K)	7.0	Value
Poisson's Ratio	0.3	Value
Level of Deterioration	Fully Deteriorated	Value
Creep Retention Factor	50%	Value
Soil Modulus	1,000	PSI
Host Pipe Loading	H20 Highway	Value

- G. **The required structural CIPP wall thickness shall be based as a minimum, on the physical properties listed above and in accordance with the Design Equations in the appendix of ASTM F1216. The finished/cured liner thickness shall exceed minimum thickness requirements set forth by the equations in the appendix of ASTM F1216 in all situations.**
- H. **The contractor will bid/install a 6.0 mm nominal (prior to cure) liner on all 8" pipe installations. Finished thickness shall exceed 5.1 mm on all installations.**

2.3 TESTING REQUIREMENT

- A. Chemical Resistance - The Contractor shall certify that CIPP shall meet the chemical resistance requirements of ASTM F1216, Appendix X2. CIPP samples for testing shall be of liner and resin system similar to that proposed for actual construction. It is required that CIPP samples with and without plastic coating meet these chemical testing requirements.
- B. Hydraulic Capacity - The Contractor shall certify that the CIPP shall have a minimum of the full flow capacity of the original pipe before rehabilitation. Calculated capacities may be derived using a commonly accepted roughness coefficient for the existing pipe material taking into consideration its age and condition. The roughness coefficient of the CIPP shall be verified by third party test data.
- C. CIPP Field Samples - When requested by the Owner, the Contractor shall submit test results from previous field installations in the USA of the same resin system and liner materials as proposed for the actual installation. These test results must verify that the CIPP physical properties specified in Section 2.3.D. have been achieved in previous field applications. Testing samples for this project shall be made and tested as described in Section 3.4.A.

PART 3 -- EXECUTION

3.1 GENERAL

- A. The Contractor shall contact the Owner to determine whether water is available on site. There will be NO fee for water used on project, however, the Contractor will be required to provide a backflow preventor when pulling water from a hydrant near the project site.
- B. It shall be the responsibility of the Owner to locate and designate all manhole access points open and accessible for the work and provide rights of access to these points. If a street must be closed to traffic because of the orientation of the sewer, the Contractor shall furnish and install all necessary traffic control devices until the street is opened to traffic.
- C. Cleaning of Sewer Lines - The Contractor shall remove all internal debris out of the sewer line that will interfere with the installation of CIPP. The Contractor shall secure their own disposal site for all debris removed from the sewers.
- D. Bypassing Sewage - The Contractor shall provide for the flow of sewage around the section or sections of pipe designated for lining. The bypass shall be made by plugging the line at an existing upstream manhole

and pumping the flow into a downstream manhole or adjacent system. The pump and bypass lines shall be of adequate capacity and size to handle the flow.

- E. Inspection of Pipelines - Inspection of pipelines shall be performed by experienced personnel trained in locating breaks, obstacles and service connections by closed circuit television. The interior of the pipeline shall be carefully inspected to determine the location of any conditions that may prevent proper installation of CIPP into the pipelines, and it shall be noted so that these conditions can be corrected.
- F. Line Obstructions - It shall be the responsibility of the Contractor to clear the line of obstructions such as solids and roots that will prevent the proper insertion of CIPP. If pre-installation inspection reveals an obstruction such as a protruding service connection, offset joint, or a collapse that will prevent the inversion process, and it cannot be removed by conventional sewer cleaning equipment, the Contractor shall immediately notify the Owner. The Owner may choose to have the Contractor make a point repair excavation to uncover and remove or repair the obstruction. Such excavation shall be considered as a separate pay item and will be negotiated once the work is better defined.
- G. The Contractor shall notify the Owner prior to initiating cleaning and flushing and shall coordinate his operations with the Owner.
- H. The Contractor shall determine the length and diameter of the pipe to be lined prior to fabrication of the liner. No additional compensation will be paid for measured diameters, which vary from measure indicated on the plans or bid form.
- I. The Contractor shall provide all necessary equipment, jigs, pipe pieces, sandbags, labor, etc. to install CIPP tube through the available access locations provided and shown on the plans. The Contractor shall also cut open, reinstate, and prepare the edges of cut surfaces in a clean and orderly fashion to reopen the pipe within manholes that have been lined through. No additional compensation shall be made for lined through manholes, and such items of work shall be considered incidental to the contract.

3.2 NOTIFICATION

- A. Notice required. At least seven (7) days before the start of lining, the Contractor shall provide notice, including the approximate schedule of lining, as described below.
 - 1. Written notice must be given to the adult residents of buildings, and to the owner or administrator of any property directly served by the sewer to be lined.
 - 2. The notice must be mailed or hand delivered to the owner or administrator of a child care building, school building, commercial business, and/or industry.
 - 3. The notice may be put on or under the door of each residence, one notice for each single-family building and one notice for each unit of a multi-unit building.
- B. Contents of notice to residents, administrator and Owner. The notice shall specify the days and the hours during which sewer service will be restricted.
- C. Reminder Notice: A written, or verbal reminder notice shall be delivered at least 24 hours prior to the actual work.

3.3 CONSTRUCTION REQUIREMENTS

- A. CIPP installation shall be in accordance with ASTM F1216, Section 7, or ASTM F2019, Section 6.4 with the following additional requirements:
 - 1. Resin Impregnation - The quantity of resin used for liner impregnation shall be sufficient to fill the volume of air voids in the liner with additional allowances for polymerization shrinkage and the loss of resin through cracks and irregularities in the original pipe wall. A vacuum impregnation process shall be used. A roller system shall be used to uniformly distribute the resin throughout the liner.
 - 2. Liner insertion shall be performed in accordance with manufacturer's recommendations and in such a way to fully extend the liner to its termination point, hold the liner tight against the pipe wall, and

produce dimples at service connections and flared ends at maintenance holes. Lubricants may be used as necessary. Care shall be taken so as not to overstress the felt fiber.

3. Unless otherwise indicated in the plans or authorized in writing by the Engineer, steam curing, water curing, and UV curing shall all be considered as an acceptable cure method for this project.

(a) Steam Cure

- (1) After inversion is completed, suitable steam-generating equipment is required to distribute steam throughout the pipe.
- (2) The equipment should be capable of delivering steam throughout the section to uniformly raise the temperature within the pipe above the temperature required to effect a cure of the resin.
- (3) The temperature and pressure maintained in the pipe and the duration of the cure period shall be as recommended by the manufacturer.
- (4) The curing of the CIPP must take into account the existing pipe material, the resin system, and ground conditions (temperature, moisture level, and thermal conductivity of soil).
- (5) Cooling:
 1. The new pipe should be cooled to a temperature below 113 degrees Fahrenheit before relieving the internal pressure within the section.
 2. Cool-down may be accomplished by the introduction of cool water into the section to replace the mixture of air and steam being drained from a small hole made in the downstream end.
 3. Care shall be taken in the release of head so that a vacuum will not be developed that could damage the newly installed pipe.

(b) Circulated Heated Water Cure

- (1) After inversion is completed, suitable heat source and water recirculation equipment are required to circulate heated water throughout the pipe.
- (2) The equipment should be capable of delivering hot water throughout the section to uniformly raise the water temperature above the temperature required to effect a cure of the resin.
- (3) The heat source should be fitted with suitable monitors to gauge the temperature of the incoming and outgoing water supply. Another such gauge should be placed between the impregnated tube and the pipe invert at the termination to determine the temperatures during cure.
- (4) The temperature and pressure maintained in the pipe and the duration of the cure period shall be as recommended by the manufacturer.
- (5) The curing of the CIPP must take into account the existing pipe material, the resin system, and ground conditions (temperature, moisture level, and thermal conductivity of soil).
- (6) Cooling:
 1. The new pipe should be cooled to a temperature below 100 degrees Fahrenheit before relieving the static head in the inversion stand pipe.
 2. Cool-down may be accomplished by the introduction of cool water into the inversion stand pipe water to replace hot water being drained from a small hole made in the down-stream end.
 3. Care shall be taken in the release of head so that a vacuum will not be developed that could damage the newly installed pipe.

(c) UV Cure – Follow ASTM F2019, Section 6.6 & 6.7

- (1) The approved system must utilize an outer and inner film to ensure that the liner remains intact during the insertion process and to protect the resin at all times during the installation and curing process from water and debris contamination and resin migration.
- (2) A winch should be used to pull the glass fiber liner into position in the pipe. The pulling speed shall not exceed 15ft/min. The liner shall have a lateral fiberglass reinforcement band which runs the entire length of the liner ensuring that the pulling force is transferred to the band and not the fiberglass liner. Once inserted, end plugs shall be used to cap each end of the glass fiber liner to prepare for pressurizing the liner. As with all CIPP products liner restraints should be used in manholes.
- (3) A slip sheet shall be installed on the bottom one third to one half of the pipe prior to liner insertion, for the purpose of protecting the liner during insertion and reduce the drag, or as recommended by the liner manufacture.
- (4) The glass fiber liner shall be cured with UV light sources at a constant inner pressure. When inserting the curing equipment in the liner, care should be taken to not damage the inner film material.
- (5) The UV light sources should be assembled according to the manufacture's specification for the liner diameter. For the liner to achieve the required water tightness and specified mechanical properties, the following parameters must be controlled during the entire curing process, giving the Engineer a record of the curing parameters over every segment of the entire length of the liner. This demonstrates that the liner is cured properly. The recording will include:
 1. Curing Speed
 2. Light Source and Wattage
 3. Inner Air Pressure
 4. Curing Temperatures
 5. Date and Time
 6. Length of Liner

This will be accomplished using a computer and data base that are tamper proof. During the curing process, infrared sensors will be used to record curing data that will be submitted to the Engineer with a post CCTV inspection on the portable hard drive.

- (6) The optimal curing speed, or travel speed of the energized UV light sources, is determined for each length of liner based on internal diameter, liner thickness, and exothermic reaction temperatures.
 - (7) The inner film material should be removed and discarded after curing to provide optimal quality of the final product.
- B. The liner pipe shall be continuous, without joints over the entire length of the pipe. The liner shall be free of all visual and material defects, including but not limited to foreign inclusions, dry spots, pinholes, and delaminations. The surface shall be smooth and free of waviness throughout the pipe.
 - C. Any defects that will affect the structural integrity or hydraulic capacity of the reconstructed pipe shall be repaired or the liner shall be replaced at the Contractor's expense, including large radial or longitudinal wrinkles that occur in such a size as to reduce the thickness or nominal diameter of the finished CIPP product.
 - D. Hydrophilic end seals are required to seal the ends of each CIPP liner as it connects to the manhole. These seals will be installed prior to CIPP to prevent water tracking between the CIPP product and the existing host pipe.

3.4 REINSTATEMENT OF SEWER SERVICE LATERALS

- A. The Contractor shall certify possession of a minimum of two complete working cutter units plus spare key components on the site before each inversion.
- B. Prior to installing the sewer liner (during the television process), the Contractor shall locate, dye-test and record the location of all sewer lateral connections that are in question. The Contractor shall immediately submit this information to the Owner. The Owner will then determine which, if any, sewer services are to be abandoned. Those services designated to be abandoned will not be reinstated.
- C. After the sewer lining is complete, the Contractor shall re-establish all service connections except those designated by the Owner to be abandoned. This shall be done without excavation from the interior of the pipe by means of a television camera and a remotely controlled cutting device.
 - 1. If the Contractor is unable to re-establish the service connection from inside the pipe and excavation is necessary, no additional payment will be made for excavations for the purpose of reopening connections and the Contractor will be responsible for all costs and liability associated with such excavation and restoration work.
 - 2. Reestablished service connections shall be clean and smooth, free of jagged edges and conform as closely as possible to the dimension of the existing service.
 - 3. Brush style cutters or similar device will be required to ensure that the laterals are smooth for potential CIPP lateral lining.
- D. The sewer main shall be lined prior to lining service laterals, unless approved otherwise by the Engineer.

3.5 INSPECTION

- A. CIPP samples shall be prepared and tested in accordance with ASTM F1216, Section 8.1 using either method proposed.
- B. Leakage testing of the CIPP shall be accomplished during cure while under a positive head. CIPP products in which the pipe wall is cured while not in direct contact with the pressurizing fluid (e.g., a removable bladder) must be tested by an alternative method approved by the Owner.
- C. Visual observation of the CIPP shall be in accordance with ASTM F1216, Section 8.4.

3.6 CLEAN-UP

- A. Upon acceptance of the installation work and testing, the Contractor shall clean-up the project area affected by the operations.

******END OF SECTION******

SECTION 02537 - MANHOLE & CATCH BASIN REHABILITATION

PART 1 -- GENERAL

1.1 SUMMARY

- A. This section covers additional requirements to the City specification section for Cementitious Manhole Lining (Table of Contents Code CML) for the furnishing of all labor, materials, tools, equipment and performances of all work and services necessary to rehabilitate a manhole or catch basin as indicated on the drawings or as specified herein.
- B. The manholes to be rehabilitated are illustrated in the plans. The type of rehabilitation needed will be itemized in the schedule attached to the plans.

1.2 METHOD AND MEASUREMENT OF PAYMENT

- A. Measurement and compensation for the following items shall be paid according to the referenced specification or as modified below:
 - 1. Payment for MANHOLE REHABILITATION shall be paid per Vertical Foot (VF) measured from the top of the bench to the casting and/or start of adjustment rings and shall include cost fully rehabilitating the sanitary sewer manhole with an approved product. This also includes any manhole preparation work that is required to satisfactory rehabilitate the structure.
 - 2. Payment for INTERNAL CHIMNEY SEAL shall be paid for per Each (EA) and shall include the cost to install an internal chimney seal needed to effectively eliminate infiltration to the chimney portion of the manhole structure. The material used to line the structure shall stop at the base of the frame. Lining material shall not be coated over the cast-iron frame itself.

1.3 SPECIFICATION REFERENCE

- A. SUDAS Specifications Division 6 Section 6020 shall apply to catch basin and manhole rehabilitation, except as modified herein.
- B. Unless noted otherwise, the provisions in this section are in addition to the referenced specification.

PART 2 -- PRODUCT

2.1 APPROVED PRODUCTS:

- A. The required MANHOLE REHABILITATION Product shall be Quadex Geokrete Geopolymer or Engineer approved equal.
 - 1. The Geopolymer product must exceed the following properties:
 - (a) Minimum Compressive Strength @ 28 Days: 8,000 psi
 - (b) Minimum Split Tensile Strength @ 28 Days: 900 psi
 - (c) Minimum Flexural Strength @ 28 Days: 800 psi
 - (d) Shrinkage @ 28 Days: 0.02% max
 - (e) Minimum Bond @ 28 Days: 3,000 psi

- (f) Freeze/Thaw: No visible damage after 300 cycles
 - (g) Chemical Resistance: 0% Max mass loss in 12-week sulfuric acid immersion.
- B. The required INTERNAL CHIMNEY SEAL Product shall be Flex-Seal manufactured by Sealing Systems Inc or Engineer approved equal.
 - 1. The Internal Chimney Seal must have or exceed the following properties:
 - (a) Minimum applied thickness 150 mils thick.
 - (b) Minimum elongation of 800%.
 - (c) Minimum hardness (durometer) of 75.
 - (d) Minimum Tensile-Strength of 1,150 psi.
 - (e) Minimum Adhesion Strength of 175 lb. l/in.

PART 3 -- EXECUTION

3.1 CONSTRUCTION REQUIREMENTS

A. General

- 1. The Contractor, approved and trained by the manufacturer shall furnish all labor, equipment and materials for supplying a cementitious/Quadex mix with machinery specially designed for the application. The following work requirements shall be considered incidental to the "MANHOLE REHABILITATION" bid item. All aspects of the installation shall be in accordance with the manufacturer's recommendations and with the following specifications which include:
 - (a) The elimination of active infiltration prior to making the application.
 - (b) The removal of any loose and unsound material and cleaning of the interior of the manhole with high pressure water (minimum 3500 psi). Wire brushing and/or sand blasting may be required.
 - (c) Patching of manhole walls or sewer structures if needed, shall be required in areas where large voids exist, such as mortar missing between bricks, around step frames, pipes and spalled concrete. All loose or cracked and corroded material shall be removed from the area to be patched, exposing a sound substrate. Patching material shall be allowed to cure before applying waterproof coating.
 - (d) The repair and sealing of the invert and benches.
 - (e) The application of a cementitious/Quadex mix to restore a structural/structurally enhanced manhole.
- 2. The clear opening at the top of the cone shall not be less than 26-inches.
- 3. Remove all manhole steps prior to installation of rehabilitation product.
- 4. **The minimum applied thickness of the cementitious rehab product shall be no less than 1-inch in all areas.**
- 5. INTERNAL CHIMNEY SEAL Product shall be applied AFTER any Cementitious Rehab product is applied to the manhole structure walls.

B. Temporary Service Measures

1. It will be necessary to maintain service during the construction period. Before proceeding with the project, the Contractor shall establish a work plan and submit the plan to the City Staff and Engineer for review and comment. The plan shall outline the method to be used to maintain service to the affected consumers. Failure to maintain sewer service could result in direct damage claims as well as consequential damage claims against the Contractor. The Contractor is the sole party responsible to notify the City and consumers who may be affected by the interruption of service.
2. If needed, the Contractor shall furnish, install and maintain equipment to bypass and control the sewage (sanitary and storm sewer) flow around the construction zone. Failure to operate and maintain the bypass equipment could result indirect damage claims as well as consequential damage claims to the Contractor.

C. Preparation work

1. If flow is maintained through the manhole during the construction period, place covers over the invert to prevent extraneous material from entering the sewer. If excessive quantities of debris enter the sewer, it shall be the responsibility of the Contractor to clean the sewer at its own expense.
2. All foreign material shall be removed from the manhole wall and bench using a high-pressure water spray (minimum 1200 psi) or sand blasting. Loose and protruding brick, mortar, and concrete shall be removed using a mason's hammer and chisel and/or scraper. Fill any large voids with quick setting patching mix. The surface to be repaired must be clean and free of any loose materials with walls totally saturated with water.

D. Construction Work

1. Infiltration Repair and Grouting
 - (a) Infiltration sealing shall be performed during high ground water conditions to ensure that all leakage is identified, if possible. Some leaks may require weep holes to localize the infiltration during the application after which the weep holes shall be plugged with the quick setting infiltration control mix prior to the final surface application
 - (b) Minor leaks shall be stopped using quick setting specially formulated infiltration control mixes and shall be mixed and applied per manufacturer's recommendations.
 - (c) If chemical grouting is to be used, holes shall be carefully drilled from within the structure and shall extend completely through the wall. The grout shall be pumped through the manhole wall until no more movement of grout is evident in either the drilled holes or the locations of leaks. The process shall be repeated until the structure is completely sealed. All manufacturer's recommendations shall be followed including pot life of the grout and insertion pressure.
2. Invert Repair
 - (a) After all preparation has been completed, removed all loose material and wash the wall again.
 - (b) Any bench, invert, or service line repairs shall be made at this time using the quick setting patching mix and shall be used per manufacturer's recommendations.
 - (c) Invert repair shall be performed on all inverts with visible damage or infiltration. After blocking flow through the manhole, and thoroughly cleaning invert, the quick setting patch mix shall be applied to the invert in an expeditious manner. The mix shall be

troweled uniformly onto the damaged invert extending out onto the base of the manhole sufficiently to tie into the walls. The finished invert surfaces shall be smooth and free of ridges. The flow may be re-established in the manhole within 30 minutes after placement of the mix.

- (d) The invert shall be channeled to a depth equal to the diameter of the downstream pipe in a manner to maintain velocity and direct the flow from the upstream pipes to the downstream.

3. Bench Repair

- (a) The bench shall be graded with a gradual slope of no less than 1/2-inch toward the invert. The wall bench intersection shall be rounded to a uniform radius the full circumference of the intersection.

*****END OF SECTION*****

SECTION 02997 - SANITARY SEWER TELEVISION, CLEANING AND INSPECTION

PART 1 -- GENERAL

1.1 SUMMARY

- A. Section includes sanitary sewer cleaning, televising and inspection of pipe, fittings, and miscellaneous appurtenances.

1.2 METHOD OF MEASUREMENT AND PAYMENT

- A. Payment for all labor, equipment, materials, and supplies necessary to complete the work specified in this section shall be incidental to the unit price bid by linear foot (LF) for CIPP.
- B. The furnishing and installing of specific items and/or the performance of work under certain circumstances will not be individually paid in the absence of a specific bid item for the work. All costs will be included in the unit price for CIPP. Such items of work include but are not limited to:
 - 1. Bypass pumping (as needed)
 - 2. Notices to the impacted property owners
 - 3. Traffic control
 - 4. Disposal fees
 - 5. Removal of roots and debris
 - 6. Any heavy cleaning processes or equipment needed to remove pipe deposits

1.3 SUBMITTALS

- A. All submittals are to be provided in digital format via email, USB Flash Drive, or other method approved by the Engineer.
- B. A sanitary sewer bypass pumping plan and traffic control plan shall be submitted to the Engineer for review a minimum 5 working days prior to beginning of work.
- C. The Contractor shall provide submittals within 10 working days of completion of the televising.
- D. Acceptable File Formats
 - 1. Video: MP4 or WAV with both audio and video
 - 2. Reports: Searchable PDF
 - 3. Images: JPG
- E. File Naming
 - 1. The Contractor will be provided with a map showing manhole and pipe identification numbers.
 - 2. All files shall be named with a number matching the pipe identification number.
- F. A summary report shall be provided with the submittals. The summary shall include a table showing the following information:
 - 1. Owner's pipe identification number.
 - 2. Date of televising.
 - 3. Starting manhole number.
 - 4. Ending manhole number.
 - 5. File names for video, report, and images associated with each section of pipe

PART 2 -- PRODUCTS

2.1 NOT USED.

PART 3 -- EXECUTION

3.1 NOTIFICATIONS TO PROPERTY OWNERS

A. The Owner shall coordinate and distribute any required public notices.

3.2 EXAMINATION

A. Commence televising only when pipe and structures are clean and free of dirt or other foreign matter.

3.3 SANITARY SEWER TELEVISION

A. General

1. Televising will be performed on all gravity/pressure utility lines that are planned for rehabilitation and shown in the plans and specifications.
2. Televising is required both prior to liner installation and again after the CIPP process has been completed.
3. Televising shall be performed by experienced personnel trained in locating breaks, obstacles, and service connections.
4. All televising video shall be in color. Each individual reach of pipe between manholes shall be identified as a chapter on the video or a separate file.
5. Post-lining televising shall carefully inspect the interior of the pipeline to identify any conditions which may indicate improper installation.
6. A USB Flash Drive and suitable log shall be kept of all televising and submitted to the owner.
7. Camera – The camera will be a self-propelled unit providing color video with the ability to tilt up and down and pan left to right. The camera lens will be capable of turning and looking up each wye or service tap to a minimum distance of the first fitting of the service pipe. The camera is to provide color video and still photographs of any defect.
8. Rate – The televising will be conducted at a rate not to exceed 30.0-feet per minute.

B. Line Requirements

1. All lines will be jetted and vacuumed so that all debris has been removed prior to televising.
2. A small quantity of water is to be introduced into the line prior to televising. Amount will be determined by the Engineer and coordinated with the Owner's Water and Sewer Department. The amount of water will be sufficient enough to distinguish any sags or alignment problems with the pipe.
3. Each run will consist of a starting and ending MH-#, line size, and a zero reading on the counter at center of the starting manhole.
4. Each service wye will be examined using the pan and tilt feature.
5. The video camera operator will type into the video:
 - (a) The station (distance)
 - (b) Wye location on either the top, left, or right side of the pipe
 - (c) Any visible defects that are apparent while televising the sewer lines. Examples of defects include offset joints, leaking joints, sags, cracked pipe, etc.

C. Manhole Requirements

1. Examine upstream and down doghouses for water tightness.
2. Examine all joints to confirm watertight quality of gaskets and seals.
3. While at the bottom of the manhole, the camera will examine for infiltration as close to the manhole rim as feasible and around the entire manhole circumference.
4. Examine vertical outside drops.

D. Report Requirements

1. A technician will observe the monitoring apparatus at all times during the televising and record the data per NASSCO standards.
2. Note locations, length and depth of any sag in the pipe (indicate any depths greater than ½-inch).
3. Note locations, length and depth of any areas of dirt or debris in the pipe (indicate any depths greater than ½-inch).
4. Note all defective or substandard areas identified during the inspection.
5. Record distance from center of manhole to center of manhole.
6. Note each change in pipe material, including station.
7. Note each wye or service tap location with station and orientation (Example: wye right, 3 o'clock).
8. Note direction of flow using cardinal/ordinal directions.
9. Include color photos/images of defects in the written report.

E. Review

1. All television reports and videos will be reviewed after the submittal is received.

3.4 SANITARY SEWER CLEANING

A. Cleaning Equipment

1. Hydraulically propelled equipment.
 - (a) Equipment will be of a movable dam type and be constructed in such a way that a portion of the dam may be collapse at any time during the cleaning operations to protect against flooding of the sewer.
 - (b) The movable dam will be equal in diameter to the pipe being cleaned and will provide a flexible scraper around the outer periphery to insure removal of grease.
 - (c) If sewer cleaning balls or other equipment which cannot be collapsed is used, special precautions to prevent flooding of the sewers and public or private property will be taken.
2. High-Velocity Jet (Hydro cleaning) Equipment.
 - (a) All high-velocity sewer cleaning equipment will be constructed for ease and safety of operation.
 - (b) The equipment will have a selection of 2 or more high-velocity nozzles.
 - (c) The nozzles will be capable of producing a scouring action from 15 to 45 degrees in all size lines designated to be cleaned.
 - (d) Equipment will include a high-velocity gun for washing and scouring manhole walls and floor.
 - (e) The gun will be capable of producing flows from a fin spray to a solid stream.
 - (f) The equipment will carry its own water tank, auxiliary engines, pumps and hydraulically driven hose reel.

3. Mechanically Powered Equipment.
 - (a) Bucket machines will be in pairs with sufficient power to perform the work in an efficient manner.
 - (b) Machines will be belt operated or have an overload device.
 - (c) Machines with direct drive that could cause damage to the pipe are not permitted.
 - (d) A power rodding machine will be either a sectional or continuous rod type capable of holding a minimum of 750.0-feet of rod.
 - (e) The rod will be specifically heat-treated steel.
 - (f) The machine will be fully enclosed and have an automatic safety clutch or relief valve.
- B. Cleaning Precautions
 1. During sewer cleaning operations, satisfactory precautions will be taken in the use of cleaning equipment.
 2. When hydraulically propelled cleaning tools or tools which retard the flow in the sewer lines are used, precautions will be taken to ensure that the water pressure created does not damage or cause flooding of public or private property being served by the sewer. Contractor will be fully responsible for any property damage caused by the cleaning operations.
 3. When possible, the flow of sewage will be utilized to provide the necessary pressure for hydraulic cleaning devised.
 4. When additional water from fire hydrants is necessary to avoid a delay in normal work procedures, the water will be conserved and not used unnecessarily.
 5. No fire hydrant will be obstructed in case of a fire in the area served by the hydrant.
- C. Sewer Cleaning
 1. The cleaning of the sewer lines will begin upstream and work downstream.
 2. The sewer manhole sections will be cleaned using hydraulically propelled, high-velocity jet or mechanically powered equipment. Selection of the equipment will be based on the conditions of lines at the time the work commences.
 3. The equipment will be capable of removing dirt, grease, rocks, sand and other materials and obstructions from the sewer lines and manholes.
 4. If cleaning of an entire section cannot be successfully performed from one manhole, the equipment will be set up on the other manhole and cleaning will be attempted again.
 5. There shall be no additional compensation for cleaning processes that require heavy cleaning or additional cleaning equipment to remove deposits from the pipeline.
 6. If successful cleaning from both manholes cannot be completed, Contractor will contact the Engineer.
- D. Root Removal
 1. Roots will be removed completely where root intrusion is a problem.
 2. Any roots which could inhibit the proposed construction will be removed.
 3. There will be no additional compensation for removing roots as part of this cleaning and televising process.
- E. Material Removal
 1. All sludge, dirt, sand, rocks, grease and other solids or semisolid material resulting from cleaning operations will be removed at the downstream manhole of the section being cleaned.
 2. Passing material from manhole section to manhole section, which could cause line stoppages, accumulation of sand in wet wells, or damage to pumping equipment, will not be permitted.

F. Disposal of Material

1. All solids or semisolids resulting from the cleaning operations will be removed from the site and disposed of at a site secured by Contractor.
2. All materials will be removed from the site no less often than at the end of each workday. Under no circumstances will Contractor be allowed to accumulate debris on the site of work.

G. Final Acceptance

1. Acceptance of sewer line cleaning will be made up on successful completion of the television inspection and will be to the satisfaction of the Owner.
2. If television inspection shows the cleaning to be unsatisfactory, resulting in debris being left inside or attached to the pipeline, the Contractor will be required to re-clean and re-televise the sewer line until cleaning is shown to be satisfactory and all deposits are removed from the pipeline.

3.5 SEWER FLOW CONTROL

A. When sewer line depth of flow at the upstream manhole of the manhole section being worked in is above the maximum allowable for television inspection, the flow will be reduced to the level shown below by operation of pump stations, plugging or blocking of the flow or by pumping and bypassing of the flow as specified.

B. Plugging or Blocking

1. Perform bypass pumping as needed to complete the work.
2. A sewer line plug will be inserted into the line upstream of the section being worked.
3. The plug will be designed so that all or any portion of the sewage can be released in accordance with Engineer approved criteria.
4. During television inspection, flow will be reduced within the specified limits.
5. After the work has been completed, flow will be restored.

C. Pumping and Bypassing

1. When pumping and bypassing is required, Contractor will supply the pumps, conduits and other equipment to divert the flow of sewage around the manhole section in which work is being performed.
2. The bypass pump system will be of sufficient capacity to handle existing peak flow.
3. Contractor will be responsible for furnishing the necessary labor and supervision to set up and operate the pumping and bypass pumping system. If pumping is required on a 24-hour basis, engines will be equipped in a manor to reduce noise to a minimum.

D. Flow Control Precautions

1. When flow in a sewer line is plugged, blocked or bypasses, sufficient precautions must be taken to protect the sewer lines from damage that might result from surcharging.
2. Precautions must be taken to ensure that sewer flow control operations do not cause flooding or damage to public or private property be served by the sewers involved.

END OF SECTION

SECTION 03247 - SEWER AND PIPE JOINT SEALING

PART 1 -- GENERAL

1.1 SUMMARY

A. Section Includes:

1. Sewer lateral connection sealing with packer method.

B. Related Sections:

1. Section 02532 – Cured-In-Place Pipe (CIPP) Gravity
2. Section 02537 – Manhole Rehabilitation
3. Section 02997 – Sanitary Sewer Televising, Cleaning, and Inspection

1.2 METHOD OF MEASUREMENT AND PAYMENT

A. Measurement and Payment:

1. A Bid Item has been provided for Sewer Pipe Lateral Grouting. This Bid Item is for sealing the sanitary sewer lateral connections to eliminate infiltration occurring at a service connection. The lateral shall be plugged prior to the installation of the CIPP liner and grouted at the connection after the service has been reinstated. The grout required to seal the annular space between the liner and the host pipe at lateral connections shall be considered incidental to the Service Connection Bid Item. Measurement will be paid per EACH (EA). Payment will constitute full compensation for all work (including testing) and costs to provide adequate infiltration prevention at the service connection. The sanitary sewer service lateral should be grouted at least 24.0-inches up the service lateral.
2. The Owner reserves the right to increase or decrease quantities at their sole discretion. No adjustments to unit prices bid will be allowed for increased or decreased quantities in this section of the specifications.
3. All other Work and costs of this Section shall be incidental to the Project and included in the Total Base Bid.

1.3 REFERENCES

A. American Society of Testing and Materials (ASTM)

1. C230 – Standard Specification for Flow Table for Use in Tests of Hydraulic Cement.
2. C1107 – Standard Specification for Packaged Dry, Hydraulic Cement Grout (Nonshrink).
3. C1116 – Standard Specification for Fiber-Reinforced Concrete and Shotcrete.
4. F2304-03 – Standard Practice for Rehabilitation of Sewers Using Chemical Grouting.
5. F2414-04 – Standard Practice for Sealing Sewer Manholes Using Chemical Grouting.
6. F2454-05 – Standard Practice for Sealing Lateral Connections and lines from the Mainline Sewer System by Lateral Packer Method, Using Chemical Grouting.

B. Infiltration Control Grouting Association (ICGA)

1. Suggested Standard Specifications for Pressure Testing and Grouting Sewer Pipe Joints, Laterals and Lateral Connections Using the Packer Method with Solution Grouts.

1.4 SUBMITTALS

A. Submit the following items prior to the start of construction unless otherwise noted:

1. Product data for grout materials.
 - (a) Description of chemical grout materials.

- (b) Description of proposed additives.
 - (c) Manufacturer's recommendations for materials (storage, mixing, etc.)
 - (d) MSDS sheets for all materials to be used.
- 2. Placement methods for grout.
- 3. Proposed grouting equipment.
- 4. Work sequencing schedule.
- 5. Manufacturer's Certificate of Compliance.
- 6. Manufacturer's Certificate of Proper Installation.
- 7. Post Grouting Report for each segment shall include:
 - (a) Sewer pipe segment description (MH to MH).
 - (b) Distance from referenced manhole.
 - (c) Volume of grout material used at each joint or connection.
 - (d) Test pressure used and duration of each test.

1.5 QUALITY ASSURANCE

A. Sewer Joint Lateral Testing – Post Sealing.

- 1. After the joint has been sealed, the packer shall be deflated so that the void pressure meter reads zero.
- 2. The packer is to be moved a minimum of one packer length in either direction, repositioned over the joint, inflated, and retested at a pressure equal to the initial test pressure. Test pressure shall be equal to 0.5 psi per vertical foot of pipe depth, plus 2 psi; however, test pressure shall not exceed 10 psi.
- 3. Any joint that fails to meet the specified test criteria shall be resealed and retested until the requirements are satisfied. A failed test shows a joint or lateral connection that shows more than 1.0 psi pressure drop over a 30 second pressure test.
 - (a) No additional compensation will be made for additional testing.

PART 2 -- PRODUCTS

2.1 EQUIPMENT

- A. Closed Circuit Television System (CCTV).
- B. Chemical sealant container.
- C. Pumps, sealant, regulators, valves, hoses.
 - 1. System shall be sized to deliver a mixed volume of grout at a minimum of 3 gpm and 30 gallons of uninterrupted flow within 10 minutes.
- D. Joint Sealing Packers.
 - 1. Packer shall be cylindrical with a hollow, tubular, flow through design.

2.2 GROUT

- A. While being injected, the grout must be able to react/perform in the presence of water (groundwater).
- B. The ability to increase grout mix viscosity, density and gel strength by increased concentration of constituents or the use of approved additives.
- C. Grout shall have a controllable cure time from 55 seconds at 50 degrees Fahrenheit to 30 seconds at 85 degrees Fahrenheit when reacted with water only.

- D. Cure time shall range from 25 seconds at 50 degrees Fahrenheit to 15 seconds at 100 degrees Fahrenheit when an accelerator is used.
- E. Liquid pre-polymer shall contain solid material constituting 49 to 55 percent of its weight.
- F. The cured grout must withstand submergence in water without degradation.
- G. The resultant grout formation must be homogeneous and prevent the passage of water (infiltration) through the pipe joint.
- H. The cured grout must be chemically stable and resistant to organics found in sewage.
- I. Handle, mix, and store grout in accordance with the manufacturer's recommendations.
 - 1. Material shall be delivered to the site in unopened containers supplied by the manufacturer.
- J. Manufacturers and Products:
 - 1. Avanti AV-100, Avanti AV-118 or approved equal.
 - 2. DeNeef AC-400, DeNeef Gelacryl SR, Avanti AV-160 or approved equal.

2.3 ADDITIVES

- A. Additives may be used at the Contractor's discretion within the manufacturer's recommended quantities.
- B. Strength
 - 1. For joint grouting, a latex or "diatomaceous earth" additive may be added to increase compressive and tensile strength. The quantity of strengthening agent additive shall be as recommended by the manufacturer.
 - 2. Product Manufacturer
 - (a) Avanti AV-257 Icoset, DeNeef Reinforcing Agent or approved equal.
- C. Root Inhibitor
 - 1. When roots are present, a root deterrent chemical shall be added to control root re-growth. The quantity shall be recommended by the manufacturer and approved by the Engineer.
 - 2. Product Manufacturer
 - (a) Avanti AC-50W or approved equal.
- D. Dye
 - 1. A water-soluble dye without trace metals may be added to the grout tank for visual confirmation.
- E. Gel Time Modifier
 - 1. A gel time extending agent may be used in accordance with the manufacturer's recommendations.

PART 3 -- EXECUTION

3.1 GROUTING

- A. Mix, place and cure grout in accordance with the grout manufacturer's recommendations and as specified herein.
- B. Pipe Joints and Lateral Connections showing visible leakage during the initial CCTV shall be sealed.
 - 1. Sealing shall be accomplished by forcing chemical sealing material into or through the joints by a system of pumps, hoses, and sealing packers.
 - 2. The grout must be injected beyond the joint interface into the soil surrounding the joint.
 - 3. If a mainline or lateral joint requires more than 0.5 gallon of grout per inch-diameter of pipe, modify grouting procedure to perform stage grouting.

- (a) Pump additional grout in up to 4-gallon increments.
 - (b) Wait the greater of 1 gel set cycle time or 1 full minute between stages.
 - (c) Maximum number of stages shall not exceed 2 stages of 4 gallons each unless approved by the Engineer.
4. Remove excess grout from pipe and laterals.
- (a) Excess grout shall be defined as a thickness of grout that given its location, size and geometry, could cause a blockage.
 - (b) Flush or push forward to the next downstream manhole, remove from the sewer system, and properly dispose of excess grout.
 - (c) Penetrations and/or joints within manholes showing visible leakage shall be sealed.
 - (1) Sealing shall be accomplished by forcing chemical sealing materials into or through the manhole wall by a system of pumps and hoses surrounding the penetration and/or joint location.
 - (2) The grout must be injected into the soil surrounding the joint.

3.2 FIELD QUALITY CONTROL

A. Flow Control

- 1. The Contractor is responsible for wastewater diversion in accordance with applicable spec sections.

B. Grout Application

- 1. Jetting or driving pipes from the surface is prohibited.
- 2. Uncovering the pipe by excavation is prohibited.
- 3. Sewer lines shall be cleaned immediately prior to testing/sealing as required to remove solids and allow for proper seating of the packer.

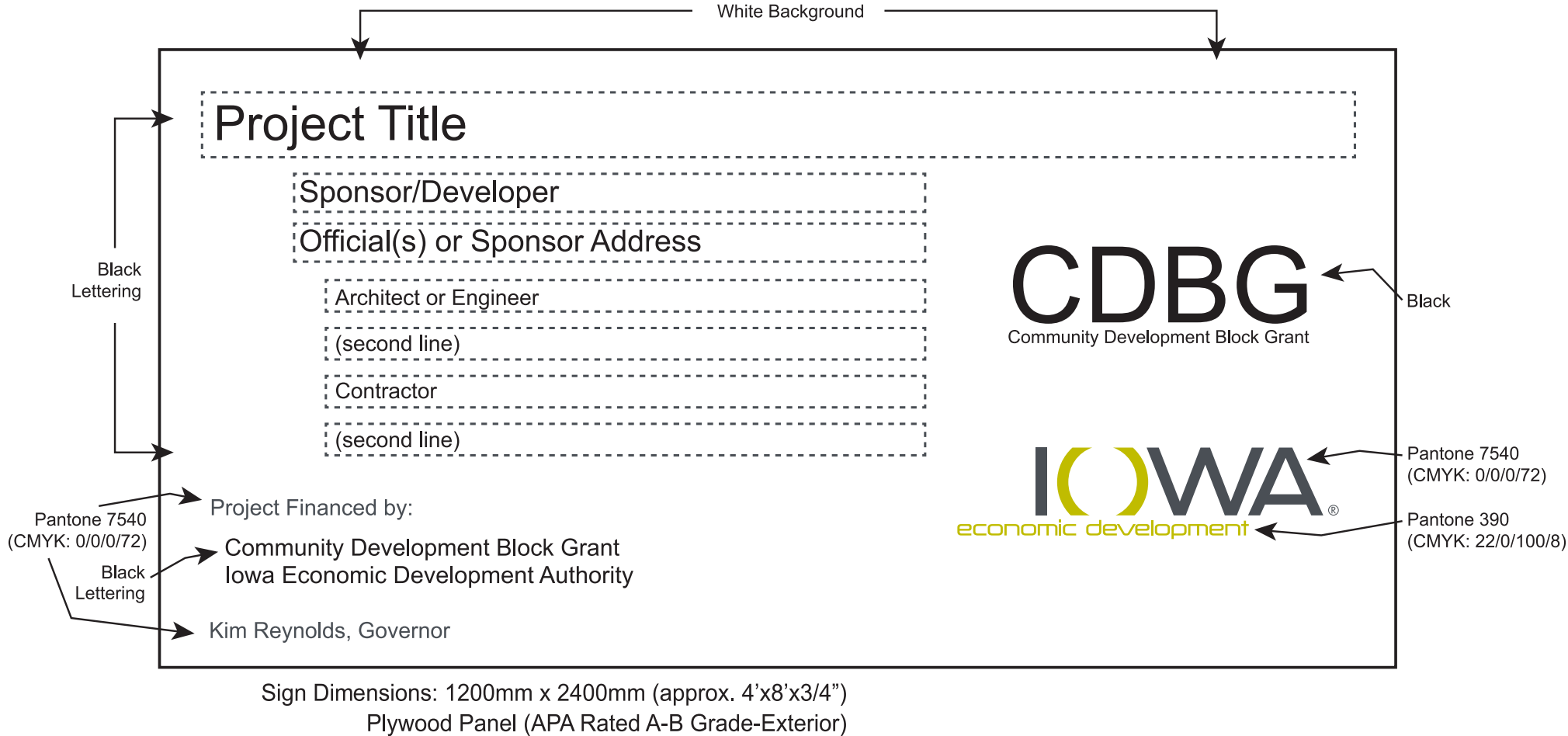
C. Residual Sealing Material

- 1. Residual material shall be removed from the joint and disposed of by the Contractor in an approved manner.
 - (a) The sealed joints shall be left flush with the existing pipe surface.
- 2. If excess residual sealing material accumulates in the line, the pipe shall be cleaned to remove the residual material at the Contractor's expense.

END OF SECTION

APPENDIX A

Project Construction Sign



APPENDIX B

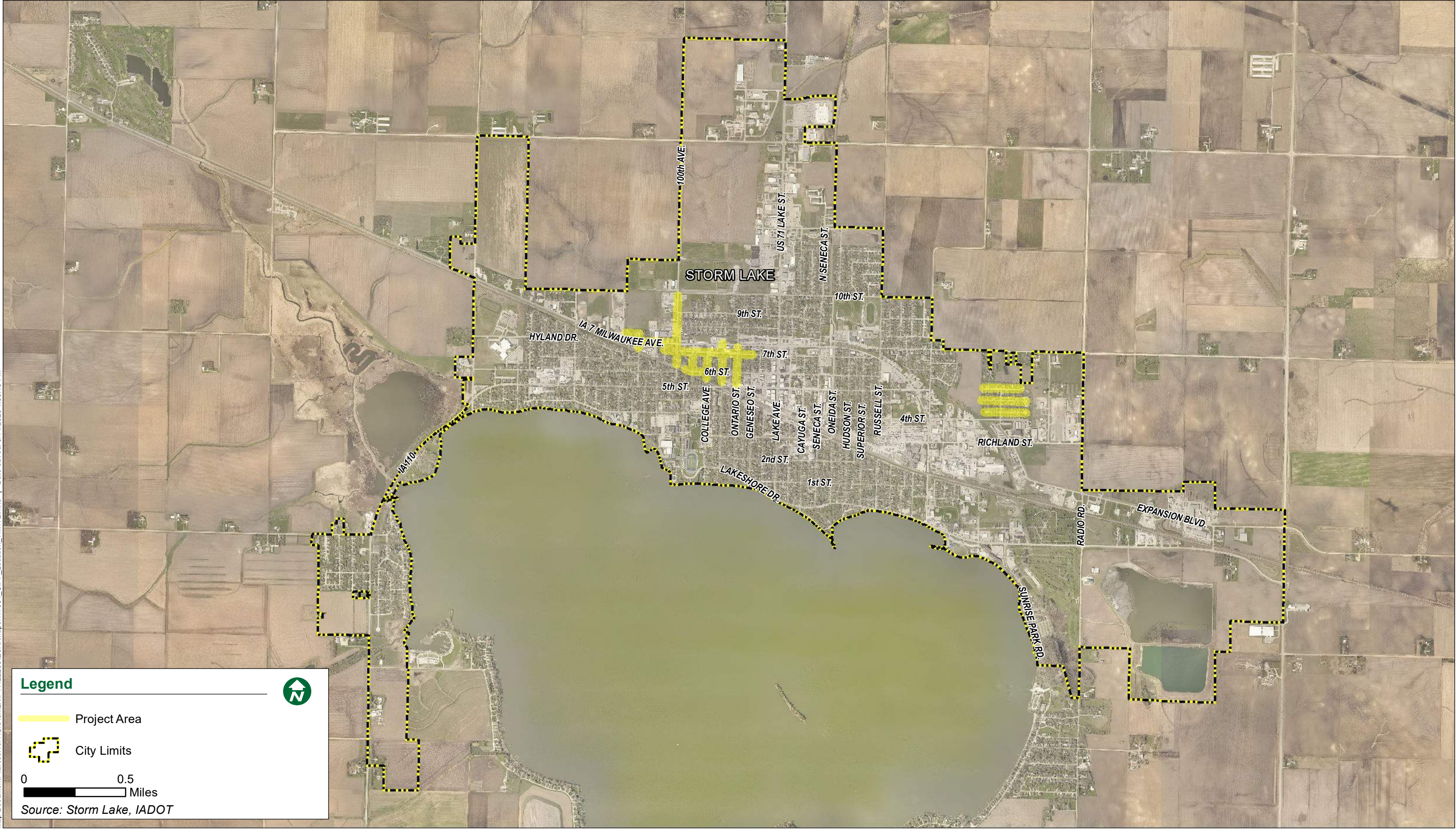


Sanitary Sewer Lining

Storm Lake, Iowa

Project Location

April 2020



Legend



Project Area

City Limits

0 0.5 Miles

Source: Storm Lake, IADOT



Sanitary Sewer Lining

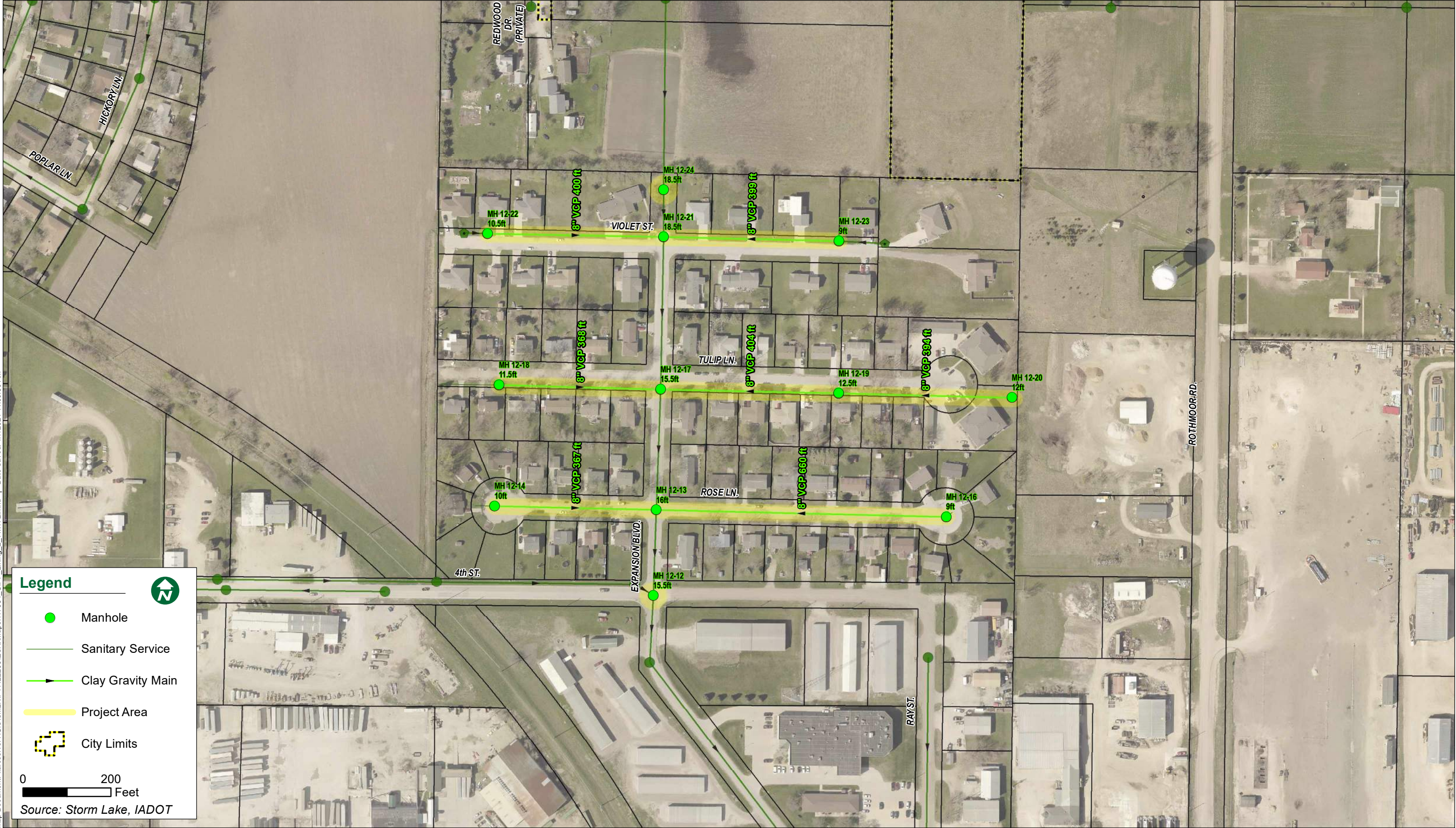
Storm Lake, Iowa

Project Location

April 2020



Real People. Real Solutions.





Sanitary Sewer Lining

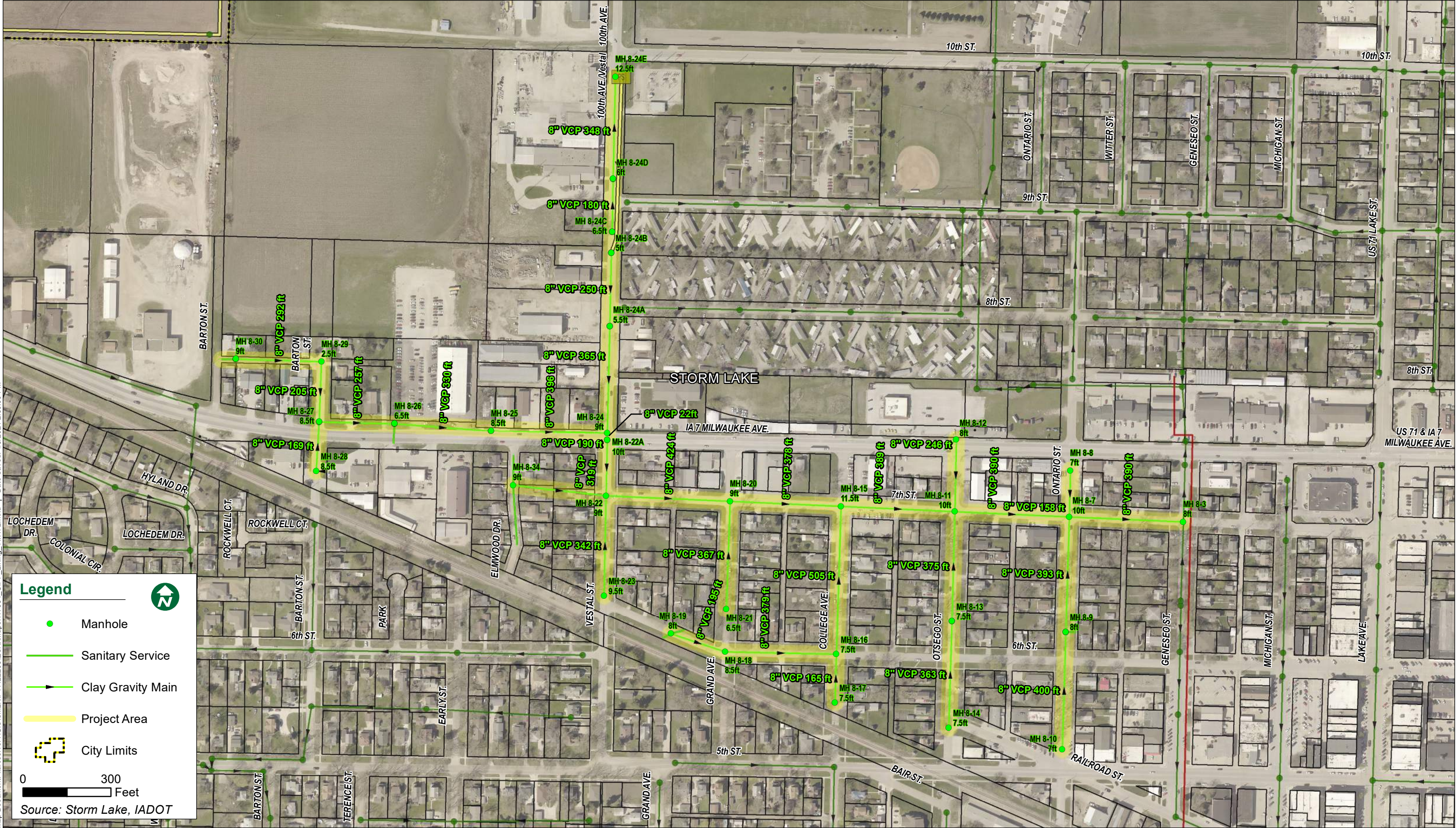
Storm Lake, Iowa

Project Location

April 2020



Real People. Real Solutions.



Map Document: \\arcserver1\GIS\SM\KIP1122266\ESRI\Mapa117954_CPP_Lining_11x17L.mxd | Date Saved: 1/8/2021 2:30:00 PM

APPENDIX C

Manhole Photos: [View Photos](#)

Staff Summary

2/15/2021

Agenda Item # 10.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: David Derragon, Assistant City Manager

SUBJECT: **Motion Setting the Public Hearing for the Expansion Boulevard Sewer Rehabilitation Plans, Specifications, and Form of Contract**

BACKGROUND: Tyson Fresh Meats (Developer) is expected to construct a new feed mill processing facility. The new facility would replace their current facility which is located in the Central Business District. The Developer is proposing to create 15 new jobs in addition to the current 12 jobs. Construction is expected to be completed by April 1, 2021.

The City and Developer approved a development agreement on January 6, 2020. The agreement includes provisions whereby the City will provide public infrastructure improvements including asphalt overlay of Expansion Blvd, sanitary sewer lining, and watermain improvements.

Individual bidding documents have been prepared for the pavement, sanitary sewer, and watermain components. The project under consideration this evening is for the sanitary sewer which includes sewer main CIPP lining, manhole rehabilitation, and related improvements.

The Engineer's Opinion of Probable Cost is \$274,980.00

To move forward with the bidding process, a public hearing is planned for March 15, 2021 at 5:00 p.m. in City Council Chambers.

FISCAL IMPACT: The Engineer's Opinion of Probable Construction Cost is \$274,980.00

RECOMMENDATION: Approve setting a Public Hearing for 5:00 p.m. on March 15, 2021 in City Council Chambers.

ATTACHMENTS:

Description	Type
📎 Notice of Public Hearing	Backup Material
📎 Engineer's Estimate of Construction Cost	Backup Material
📎 Project Manual	Backup Material

NOTICE OF PUBLIC HEARING
EXPANSION BOULEVARD SEWER REHABILITATION
CITY OF STORM LAKE

Public Hearing on Proposed Contract Documents and Estimated Costs for Repair or Improvement. A public hearing will be held by the City of Storm Lake on the proposed contract documents (plans, specifications and form of contract) and estimated cost for the improvement at its meeting at 5:00 P.M. on March 15, 2021, at 620 Erie Street, Storm Lake, IA 50588.

PROJECT DESCRIPTION: This project includes the installation of approximately 1172 linear feet of 12" CIPP lining, 2952 linear feet of 15" CIPP lining and miscellaneous tasks to ensure proper installation of the liner. Also included in this project is the rehabilitation of 147 vertical feet of manholes and the installation of internal chimney seals

This Notice is given by authority of the
City of Storm Lake

Mayra Martinez
City Clerk

ENGINEER'S ESTIMATE

EXPANSION BLVD SEWER REHABILITATION PROJECT
CITY OF STORM LAKE, IA
BMI PROJECT NO. P11.120650



Date: 2/9/2021

Item No.	Item	Notes	Estimated Quantity	Unit	Unit Price	Total Amount
BASE BID						
1	MOBILIZATION		1	LS	\$10,000.00	\$10,000.00
2	TRAFFIC CONTROL		1	LS	\$7,500.00	\$7,500.00
3	12" CIPP (CURED-IN-PLACE-PIPE) LINING - 9.0mm NOMINAL THICKNESS		1,172	LIN FT	\$35.00	\$41,020.00
4	15" CIPP (CURED-IN-PLACE-PIPE) LINING - 12.0mm NOMINAL THICKNESS		2,952	LIN FT	\$55.00	\$162,360.00
5	TRIM PROTRUDING TAP (IRON/NON-IRON)		2	EACH	\$300.00	\$600.00
6	REINSTATE LATERAL (ANY SIZE)		16	EACH	\$100.00	\$1,600.00
7	MANHOLE REHABILITATION (1" MINIMUM)		147	VERT FT	\$300.00	\$44,100.00
8	INTERNAL CHIMNEY SEAL		13	EACH	\$600.00	\$7,800.00
ESTIMATED BASE BID TOTAL:						\$274,980.00



PROJECT MANUAL

Expansion Boulevard Sewer Rehabilitation

City of Storm Lake

218 11th Street SW Plaza • Spencer, IA 51301
Ph: (712) 580-5075



Bolton-Menk.com

SECTION 00005 – CERTIFICATION

PROJECT MANUAL

for

Expansion Boulevard Sewer Rehabilitation

City of Storm Lake

	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.  _____ Date: <u>February 15, 2021</u> Joshua A. Pope License No. 23600 My renewal date is 12/31/2021 Pages or sheets covered by this seal: <u>All sheets</u>
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SECTION 00010 - TABLE OF CONTENTS

Expansion Boulevard Sewer Rehabilitation City of Storm Lake

CONTRACT DOCUMENTS:

PROJECT MANUAL:

Introductory Information, Bidding Requirements, Contract Forms and Conditions of Contract

- 00005 - CERTIFICATION PAGE
- 00010 - TABLE OF CONTENTS
- 00100 - NOTICE TO BIDDERS
- 00200 - INSTRUCTIONS TO BIDDERS
- 00410 - PROPOSAL
- 00420 - BID BOND
- 00450 - INFORMATION REQUESTED FROM LOW BIDDER
- 00500 - CONTRACT
- 00610 - PERFORMANCE, PAYMENT AND MAINTENANCE BOND
- 00800 - SPECIAL PROVISIONS
- 00900 - NOTICE OF AWARD
- 00910 - NOTICE TO PROCEED
- 00920 - LETTER OF TRANSMITTAL

Technical Specifications

- 02532 - CURED-IN-PLACE-PIPE CIPP
- 02537 - MANHOLE & CATCH BASIN REHABILITATION
- 02997 - SANITARY SEWER CLEANING, TELEVISIONING AND INSPECTION

APPENDICES

Project Maps with the General Title: Sanitary Sewer Lining

Sanitary Sewer information with the title: CIPP Breakdown: Segmental Pipe Table

1978 Record Drawings with the title: Industrial Park Sanitary Sewer Extension Storm Lake

360 Manhole Photos: [View Photos](#)

**This project is based on
SUDAS STANDARD SPECIFICATIONS, 2021 EDITION
unless modified herein.**

*******END OF SECTION*******

SECTION 00100 - NOTICE TO BIDDERS

Expansion Boulevard Sewer Rehabilitation City of Storm Lake

Time and Place for Filing Sealed Proposals. Sealed bids for the work comprising the repair or improvement as stated below must be filed online only before 3:00 P.M. on March 3, 2021, via Quest CDN.

Time and Place Sealed Proposals Will be Opened and Considered. Proposals for the work described below will be received online only through QuestCDN.com until 3:00 PM on March 3, 2021 at which time the bids will be opened and publicly read online through Microsoft Teams. Please use the link or call-in number/Conference ID below to see and/or hear the bid opening results: Microsoft Teams Meeting Link: <https://bit.ly/2L2kABY> Call: 612-428-8778, Conference ID: 172 296 43# The results will be reported to the City of Storm Lake at its meeting at 5:00 P.M. on March 15, 2021 at which time the City Council may take action on the proposals submitted or at such time as may then be fixed. The City of Storm Lake City Council reserves the right to reject any or all bids, to waive informalities or technicalities in any bid, and to enter into such contract, or contracts, as it shall deem to be to the best interest of the City of Storm Lake.

Time for Commencement and Completion of Work. Work on the improvement shall commence upon approval of the contract by the City Council and as stated in the Notice to Proceed. All work under the Contract must be substantially complete on or before July 16, 2021, and completed and made ready for final payment on or before July 30, 2021. Liquidated damages as set forth in Section 00500 – Contract.

Bid Security. Each bidder shall accompany its bid with bid security, as defined in Iowa Code Section 26.8, as security that the successful bidder will enter into a contract for the work bid upon. The bidder's security shall be in an amount equal to 5 percent of the total amount of the bid. The bid shall contain no condition except as provided in the specifications.

If the bidder fails to execute the contract and to furnish an acceptable performance, payment, and maintenance bond or provide a Certificate of Insurance within ten (10) days after acceptance of the bid by the City, the bid security may be forfeited or cashed by the City as liquidated damages.

Contract Documents. Copies of the project documents are available for a price of \$25 per set. This fee is refundable, provided the plans and specifications are returned complete and in reusable condition, and they are returned within fourteen (14) calendar days after the award of the project. Please make your check payable to Bolton & Menk, Inc. and send it to 218 11th Street SW, Spencer, IA 51301, (712) 580-5075, fax (515) 233-4430. Complete digital project bidding documents are available at www.bolton-menk.com or www.questcdn.com. You may view the digital plan documents for free by entering Quest project # 7542037 on the website's Project Search page. Documents may be downloaded for \$0.00. Please contact QuestCDN.com at 952-233-1632 or info@questcdn.com for assistance in free membership registration, viewing, downloading, and working with this digital project information.

Preference of Products and Labor. By virtue of statutory authority, a preference will be given to products and provisions grown and coal produced within the State of Iowa, to the extent lawfully required under Iowa statutes.

Sales Tax Exemption Certificates. The bidder shall not include sales tax in the bid. The City of Storm Lake will distribute tax exemption certificates and authorization letters to the Contractor and all subcontractors who are identified. The Contractor and subcontractor may make copies of the tax exemption certificates and provide a copy to each supplier providing construction materials. These tax exemption certificates and authorization letters are applicable only for this specific project under the Contract.

PROJECT DESCRIPTION: This project includes the installation of approximately 1172 linear feet of 12" CIPP lining, 2952 linear feet of 15" CIPP lining and miscellaneous tasks to ensure proper installation of the liner. Also included in this project is the rehabilitation of 147 vertical feet of manholes and the installation of internal chimney seals.

The Notice is given by order of the City Council of the City of Storm Lake

Mayra Martinez, City Clerk

SECTION 00200 - INSTRUCTIONS TO BIDDERS

Expansion Boulevard Sewer Rehabilitation City of Storm Lake

The work comprising the above referenced project shall be constructed in accordance with the SUDAS Standard Specifications, 2021 Edition and as further modified by the supplemental specifications and special provisions included in the contract documents. The terms used in the contract version of the documents are defined in said Standard Specifications. Before submitting a bid, please review the requirements of Division One, General Provisions and Covenants. Please be certain that all documents have been completed properly as failure to complete and sign all documents and to comply with the requirements listed below can cause a submitted bid not to be read.

ARTICLE 1 - BID SECURITY

- 1.01 The bid security must be in the minimum amount of 5% of the total bid amount including all add alternates (do not deduct the amount of deduct alternates).
- 1.02 Bid security other than said bid bond shall be in accordance with Chapter 26 of the Iowa Code.
- 1.03 Bid security shall be in the form of a cashier's check or certified check drawn on a state chartered or federally chartered bank; or a certified share draft drawn on a state chartered or federally chartered credit union; or a bidder's bond with corporate surety satisfactory to the City of Storm Lake, hereinafter called the "Jurisdiction".
- 1.04 The bid bond may be submitted on the enclosed Bid Bond form (or form that is equivalent in terms, duration, and obligation). All signatures on the bid bond must be original signatures in ink; electronic, copies, or facsimile (fax) of any signature on the bid bond is not acceptable.

ARTICLE 2 - SUBMISSION OF THE PROPOSAL AND IDENTITY OF BIDDER

- 2.01 For this project the City will only be accepting online electronic bids through QuestCDN. To access the electronic bid form, download the project documents and click the online bidding button at the top of the advertisement. Prospective bidders must be on the planholders list through QuestCDN for bids to be accepted. A Bid shall be received no later than the date and time prescribed. Bids received after the date and time prescribed for the opening of bids, or not submitted in the designated manner, will not be accepted. It is the sole responsibility of the bidder to see that its proposal is received online only via Quest CDN prior to the time for opening bids along with the appropriate bid security.
- 2.02 The following documents shall be completed and uploaded to Quest CDN. The bid cannot be read if any of these documents are omitted from the Proposal.
 - A. PROPOSAL – Complete each of the following parts:
 - Part B – Acknowledgment of Addenda, if any have been issued;
 - Part C – Bid Items, Quantities and Prices
 - Part G – Identity of Bidder;
- 2.03 Documents must be submitted as printed. No alterations, additions, or deletions are permitted. If the Bidder notes a requirement in the contract documents which the Bidder believes will require a conditioned or unsolicited alternate bid, the Bidder must immediately notify the Engineer in writing. The Engineer will issue any necessary interpretation by an addendum.

ARTICLE 3 - PROSECUTION AND PROGRESS OF THE WORK

- 3.01 The work is located in the City of Storm Lake.

Work on the improvement shall commence upon approval of the contract by the City Council and as stated in the Notice to Proceed. All work under the Contract must be substantially complete and finally complete as stated in Section 00500 Contract. Liquidated Damages will be assessed as detailed in the stated in Section 00500 - Contract.

- 3.02 Community Events.

Successful bidder will be required to coordinate with the owner and accommodate the owner's requirements for the following list of events:

- None

- 3.03 Each successful bidder will be required to furnish a corporate surety bond in an amount equal to 100% of its contract price. Said bond shall be issued by a responsible surety approved by City of Storm Lake and shall guarantee the faithful performance of the contract, the terms and conditions therein contained, the prompt payment of all material and labor, protect and save harmless City of Storm Lake from claims and damages of any kind caused by the operations of the contract, and shall also guarantee the maintenance of the improvement caused by failures in materials and construction for a period of 2-Year from and after acceptance of the work.
- 3.04 The City of Storm Lake, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42U.S.C. 2000d to 2000d-4 and title 49 Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively ensure that with any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

ARTICLE 4 - PREFERENCE OF PRODUCTS AND LABOR

- 4.01 In accordance with Iowa statutes, a resident bidder shall be allowed preference against a nonresident bidder from a state or foreign country provided that state or foreign country gives or requires any preference to bidders from that state or foreign country. This includes, but is not limited to any preference to bidders, the imposition of any type of labor force preference, or any other form of preferential treatment to bidders or laborers from that state or foreign country. The preference allowed shall be equal to the preference given or required by the state of foreign country in which the nonresident bidder is a resident. In the instance of a resident labor force preference, a nonresident bidder shall apply the same resident labor force preference to a public improvement in this state as would be required in the construction of a public improvement by the state or foreign country in which the nonresident bidder is a resident. If it is determined that this may cause denial of federal funds which would otherwise be available, or would otherwise be inconsistent with requirements of any federal law or regulation, this resident bidder preference shall be suspended, but only to the extent necessary to prevent denial of the funds or to eliminate the inconsistency with federal requirements.

ARTICLE 5 - TAXES

- 5.01 The City will issue a sales tax exemption certificate and authorization letters to the Contractor and all subcontractors for all materials purchased on the project. Tax exemption certificates are applicable only for the specific project for which the tax exemption certificate is issued.

- 5.02 The Contractor shall provide a listing to the City identifying all appropriate subcontractors qualified for use of the tax exemption certificate. The Contractor and subcontractors may make copies of the certificate and provide to each supplier providing construction material.
- 5.03 Income Tax:
- A. Successful Bidder is subject to payment of Iowa income tax on income from this work in amounts prescribed by law.
 - B. If successful bidder is a non-Iowa partnership, individual or association, Bidder shall furnish evidence prior to execution of contract that bond or securities have been posted with the Iowa Department of Revenue in the amount required by law.

******END OF SECTION******

SECTION 00410 - PROPOSAL

Expansion Boulevard Sewer Rehabilitation City of Storm Lake

PROPOSAL: PART A – SCOPE

The City of Storm Lake, hereinafter called the "Jurisdiction", has need of a qualified contractor to complete the work comprising the below referenced repair or improvement. The undersigned Bidder hereby proposes to complete the work comprising the below referenced repair or improvement as specified in the contract documents, which are officially on file with the Jurisdiction, in the office of the Mayor, at the prices hereinafter provided in Part C of the Proposal, for the improvements on Expansion Boulevard Sewer Rehabilitation

PROPOSAL: PART B – ACKNOWLEDGMENT OF ADDENDA

The Bidder hereby acknowledges that all addenda become a part of the contract documents when issued and that each such addendum has been received and utilized in the preparation of this bid. The Bidder hereby acknowledges receipt of the following addenda by inserting the number of each addendum in the blanks below:

ADDENDUM NUMBER _____

ADDENDUM NUMBER _____

ADDENDUM NUMBER _____

ADDENDUM NUMBER _____

and certifies that said addenda were utilized in the preparation of this bid.

PROPOSAL: PART C – BID ITEMS AND QUANTITIES

UNIT BID PRICE CONTRACTS: The Bidder must provide the Unit Bid Price, the Total Bid Price, any Alternate Prices, and the Total Construction Costs on the Proposal Attachment: Part C – Bid Items and Quantities. In case of discrepancy, the Unit Bid Price governs. The quantities shown on the Proposal Attachment: Part C – Bid Items and Quantities are approximate only, but are considered sufficiently adequate for the purpose of comparing bids. The Total Construction Cost shall be used only for the comparison of bids. The jurisdiction shall only use the Total Construction Cost for determining the sufficiency of the bid security.

SEE INCLUDED PROPOSAL ATTACHMENT

PROPOSAL: PART D – GENERAL

The Bidder hereby acknowledges that the Jurisdiction, in advertising for public bids for this project reserves the right to:

1. Reject any or all bids. Award of the contract, if any, to be to the lowest responsible, responsive bidder; and
2. Reject any or all alternates in determining the items to be included in the contract. Designation of the lowest responsible, responsive bidder to be based on comparison of the total bid only, not including any alternates; and
3. Make such alterations in the contract documents or in the proposal quantities as it determines necessary in accordance with the contract documents after execution of the contract. Such alterations shall not be considered a waiver of any conditions of the contract documents, and shall not invalidate any of the provisions thereof; and

The Bidder hereby agrees to:

1. Enter into a contract, if this proposal is selected, in the form approved by the Jurisdiction, provide proof of registration with the Iowa Division of Labor in accordance with Chapter 91C of the Iowa Code, and furnish a performance, maintenance, and payment bond; and
2. Forfeit bid security, not as a penalty but as liquidated damages, upon failure to enter into such contract and/or to furnish said bond; and
3. Commence the work upon written Notice to Proceed; and
4. Substantially complete the work and finally complete the work on or before as detailed in Section 00500 – Contract; and
5. Pay liquidated damages for noncompliance with said completion provisions at the rate detailed in Section 00500 – Contract for each thereafter that the work remains incomplete.

PROPOSAL: PART E – NON-COLLUSION AFFIDAVIT

The Bidder hereby certifies:

1. That this proposal is not affected by, contingent on, or dependent on any other proposal submitted for any improvement with the Jurisdiction; and
2. That no individual employed by the Bidder has employed any person to solicit or procure the work on this project, nor will any employee of the Bidder make any payment or agreement for payment of any compensation in connection with the procurement of this project; and
3. That no part of the bid price received by the Bidder was or will be paid to any person, corporation, firm, association, or other organization for soliciting the bid, other than the payment of their normal compensation to persons regularly employed by the Bidder whose services in connection with the construction of the project were in the regular course of their duties for the Bidder; and
4. That this proposal is genuine and not collusive or sham; that the Bidder has not colluded, conspired, connived, or agreed, directly or indirectly, with any bidder or person, to submit a sham bid or to refrain from bidding; and
5. That the bid has not in any manner, directly or indirectly, sought, by agreement or collusion, or communication or conference, with any person, to fix the bid price of the Bidder or of any other bidder; and
6. That all statements in this proposal are true; and
7. That the individual(s) executing this proposal have the authority to execute this proposal on behalf of the Bidder.

PROPOSAL: PART F – ADDITIONAL REQUIREMENTS

The Bidder hereby agrees to comply with the additional requirements listed below which are included in this proposal and identified as proposal attachments:

ITEM NO.	DESCRIPTION OF ATTACHMENT
1.	None

PROPOSAL: PART G - IDENTITY OF BIDDER

The Bidder shall indicate whether the bid is submitted by a/an:

☐ Individual,
Sole Proprietorship

Bidder

☐ Partnership

Signature

☐ Corporation

By

Name (Print/Type)

☐ Limited Liability Company

Title

☐ Joint-venture; all parties must join-in and
execute all documents

Street Address

☐ Other

City, State, Zip Code

The bidder shall enter its Public
Registration Number _____ - _____
issued by the Iowa Commissioner of Labor
Pursuant Section 91C.5 of the Iowa Code.

Telephone Number

**Type or print the name and title of the company's
owner, president, CEO, etc. if a different person
than entered above**

Failure to provide said Registration
Number shall result in the bid being read
under advisement. A contract will not be
executed until the Contractor is registered.

Name

Title

**NOTE: The signature on this proposal must be an original signature in ink; copies, facsimiles, or
electronic signatures will not be accepted.**

All bidders must submit the following completed form to the governmental body requesting bids per
875 Iowa Administrative Code Chapter 156.

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 non-resident 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: _____
(mm/dd/yyyy) City, State, Zip: _____

Dates: _____ to _____ Address: _____
(mm/dd/yyyy) City, State, Zip: _____

Dates: _____ to _____ Address: _____
(mm/dd/yyyy) City, State, Zip: _____

You may attach additional sheet(s) if needed.

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 bidders who are residents? ☐ 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 reason to reject my bid.

Firm Name: _____
Signature: _____ Date: _____

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.

Expansion Boulevard Sewer Rehabilitation
City of Storm Lake

PROPOSAL ATTACHMENT: PART C – BID ITEMS AND QUANTITIES

This is a UNIT BID PRICE CONTRACT. The bidder must provide the Unit Bid Price, the total Bid Price, and the Total Bid Amount; in case of discrepancy, the Unit Bid Price governs. The Quantities shown on the Proposal Attachment: Part C – Bid Items and quantities are approximate only, but are considered sufficiently adequate for the purpose of comparing bids. The Jurisdiction shall only use the Total Base Bid Amount for comparison of bids

LF = LINEAL FEET

VF = VERTICAL FEET

EA = EACH

ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
1	MOBILIZATION	1	LUMP SUM		
2	TRAFFIC CONTROL	1	LUMP SUM		
3	12" CIPP LINING – 9.0mm NOMINAL THICKNESS	1172	LF		
4	15" CIPP LINING – 12.0mm NOMINAL THICKNESS	2952	LF		
5	TRIM PROTRUDING TAP (IRON/NON-IRON)	2	EA		
6	REINSTATE LATERAL (ANY SIZE)	16	EA		
7	MANHOLE REHABILITATION	147	VF		
8	INTERNAL CHIMNEY SEAL	13	EA		
TOTAL PRICE					

NOTE: IT IS UNDERSTOOD THAT THE ABOVE QUANTITIES ARE ESTIMATED FOR THE PURPOSE OF THIS BID. ALL QUANTITIES ARE SUBJECT TO REVISION BY THE DISTRICT AS NOTED IN SECTION 00500 – CONTRACT.

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SECTION 00420 - BID BOND

**Expansion Boulevard Sewer Rehabilitation
City of Storm Lake**

KNOW ALL BY THESE PRESENTS:

That we, _____, as Principal, and

_____, as Surety, are held and firmly bound unto, City of Storm Lake as Obligee, (hereinafter referred to as "the Jurisdiction"), in the penal sum of _____ dollars (\$ _____), lawful money of the United States, for which payment said Principal and Surety bind themselves, their heirs, executors, administrators, successors, and assigns jointly and severally, firmly by these presents.

The condition of the above obligation is such that whereas the Principal has submitted to the Jurisdiction a certain proposal, in a separate envelope, and hereby made a part hereof, to enter into a contract in writing, for the following project:

Expansion Boulevard Sewer Rehabilitation

The Surety hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Jurisdiction may accept such bid or execute such Contract; and said Surety does hereby waive notice of any such extension.

In the event that any actions or proceedings are initiated with respect to this Bond, the parties agree that the venue thereof shall be Buena Vista County, State of Iowa. If legal action is required by the Jurisdiction against the Surety or Principal to enforce the provisions of the bond or to collect the monetary obligation incurring to the benefit of the Jurisdiction, the Surety or Principal agrees to pay the Jurisdiction all damages, costs, and attorney fees incurred by enforcing any of the provisions of this Bond. All rights, powers, and remedies of the Jurisdiction hereunder shall be cumulative and not alternative and shall be in addition to all rights, powers, and remedies given to the Jurisdiction, by law. The Jurisdiction may proceed against Surety for any amount guaranteed hereunder whether action is brought against Principal or whether Principal is joined in any such action or actions or not.

NOW, THEREFORE, if said proposal by the Principal be accepted, and the Principal shall enter into a contract with Jurisdiction in accordance with the terms of such proposal, including the provision of insurance and of a bond as may be specified in the contract documents, with good and sufficient surety for the faithful performance of such contract, for the prompt payment of labor and material furnished in the prosecution thereof, and for the maintenance of said improvements as may be required therein, then this obligation shall become null and void; otherwise, the Principal shall pay to the Jurisdiction the full amount of the bid bond, together with court costs, attorney's fees, and any other expense of recovery.

Signed and sealed this _____ day of _____, 20____.

SURETY:

PRINCIPAL:

By

Surety Company

Signature Attorney-in-Fact/Officer

Name of Attorney-in-Fact/Officer

Company Name

Company Address

City, State, Zip Code

Company Telephone Number

By

Bidder

Signature

Name (Print/Type)

Title

Address

City, State, Zip Code

Telephone Number

NOTE: All signatures on this bid bond must be original signatures in ink; electronic, copies or facsimile of any signature will not be accepted. This bond must be sealed with the Surety's raised, embossing seal or official adhesive seal. The Certificate or Power of Attorney accompanying this bond must be valid on its face and sealed with the Surety's raised, embossing seal or official adhesive seal.

SECTION 00450 - INFORMATION REQUESTED FROM THE LOW BIDDER
(The Low Bidder May Be Requested To Provide This Information After
The Bids Are Received But Prior To Issuing The Notice Of Award)

GENERAL INFORMATION

The low bidder is requested to furnish the following information. Additional sheets shall be attached as required.

Contractor's name and address: _____

Number of years as a Contractor in construction work of this type _____

Names and titles of all officers of Contractor's firm: _____

SUBMIT a list of five construction contracts completed by the Contractor during the last five years involving work of similar type and comparable value. The list shall include the following information as a minimum:

- Name, address and telephone number of owner.
- Name of project.
- Location of project.
- Brief description of the work involved.
- Contract amount.
- Date of completion of contract.
- Name, address and telephone number of architect or engineer.
- Name of owner's project engineer.

EQUIPMENT/MATERIAL SOURCE INFORMATION

The low bidder is requested to list the name of the manufacturer of supplier and catalog numbers of the equipment or material proposed to be furnished under the bid. Awarding of a contract under this bid will not imply approval by the Owner of the manufacturers or suppliers listed by the low bidder.

- CIPP Liner
- Manhole Rehabilitation Product
- Internal Chimney Seal

******END OF SECTION******

SECTION 00500 - CONTRACT

Expansion Boulevard Sewer Rehabilitation City of Storm Lake

THIS CONTRACT, made and entered into at _____
this _____ day of _____, by and between
the City of Storm Lake hereinafter called the "Jurisdiction", and _____,
hereinafter called the "Contractor".

WITNESSETH:

The Contractor hereby agrees to complete the work comprising the Expansion Boulevard Sewer Rehabilitation as specified in the contract documents, which are officially on file with the Jurisdiction, in the office of the City Clerk, City of Storm Lake, 620 Erie Street, Storm Lake, IA 50588, Iowa. This contract includes all such contract documents. All work under this contract shall be constructed in accordance with the SUDAS Standard Specifications, 2021 Edition and as further modified by the Special Provisions, Technical Specifications and Supplemental Specifications included in said contract documents and the Contract Attachment which is attached hereto. The Contractor further agrees to complete the work in strict accordance with said contract documents, and to guarantee the work as required by law for the time required in said contract documents after its acceptance by the Jurisdiction.

This contract is awarded and executed for completion of the work specified in the contract documents for the bid prices shown on the Contract Attachment: Bid Items and Quantities which were proposed by the Contractor in its Proposal submitted in accordance with the Notice to Bidders and Notice of Public Hearing for the following project:

Expansion Boulevard Sewer Rehabilitation

The Contractor agrees to perform said work for and in consideration of the Jurisdiction's payment of the bid amount of _____ dollars (\$ _____), which amount shall constitute the required amount of the performance, maintenance, and payment bond. The Contractor hereby agrees to commence work as stated in the written Notice to Proceed; and substantially complete the work in accordance with the following contract provisions:

CONTRACT PROVISIONS

- A. Completion Date
 1. All work under the Contract must be substantially complete on or before July 16, 2021.
 2. All work under the Contract must be completed and made ready for final payment on or before July 30, 2021.
- B. Liquidated Damage
 1. Pay liquidated damages for noncompliance with said completion provisions in the amount of \$1350.00 (One Thousand Three Hundred Fifty) for each day the work remains incomplete.
 2. 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 One-hundred thirty-three dollars (\$133.00) for each day that expires after such time until the Work completed and ready for final payment.
 3. Liquidated damages for failing to timely attain Substantial Completion and Final Completion are not additive and will not be imposed concurrently.

- C.
 - 1. Remedy any and all defects that may develop in or result from work to be performed under the Contract, within the 2-year period for utility work, and 4-year period for paving, from the date of acceptance of the work under the Contract, by reason of defects in workmanship or materials used in construction of said work.
 - 2. For purposes of the maintenance bond, acceptance of work shall be interpreted as the date when final payment is due in accordance with SUDAS Section 1090, Paragraph 1.08 and the maintenance period shall commence on the date when final payment is due in accordance with SUDAS Section 1090, Paragraph 1.08, unless otherwise modified by the Specifications or Written Agreement.
- D. Bid Quantity Revisions
 - 1. All quantities are estimates and subject to revision by the Jurisdiction.
 - 2. Quantity changes that do not materially change the character of the work to be performed and amount to less than Twenty (20) percent of a given bid item or less than Five (5) percent of the total contract amount shall not affect the unit price bid.

IN WITNESS WHEREOF, the Parties hereto have executed this instrument, in triplicate on the date first shown written.

JURISDICTION: City of Storm Lake

CONTRACTOR:

By _____
Michael Porsch, Mayor

(Seal)
ATTEST:

Mayra Martinez, City Clerk

By _____
Contractor's Contact Name
Contractor's Title

Street Address

City, State, Zip Code

Telephone

CONTRACTOR PUBLIC REGISTRATION INFORMATION to be Provided By:

1. All Contractors: The Contractor shall enter its Public Registration No. _____ issued by the Iowa Commissioner of Labor pursuant to Section 91C.5 of the Iowa Code.
2. Out-of-State Contractors:
 - A. Pursuant to Section 91C.7 of the Iowa Code, an out-of-state contractor, before commencing a contract in excess of five thousand dollars in value in Iowa, shall file a bond with the division of labor services of the department of workforce development. The contractor should contact 515-242-5871 for further information. Prior to contract execution, the Jurisdictional Engineer may forward a copy of this contract to the Iowa Department of Workforce Development as notification of pending construction work. It is the contractor's responsibility to comply with said Section 91C.7 before commencing this work.
 - B. Prior to entering into contract, the designated low bidder, if it is a corporation organized under the laws of a state other than Iowa, shall file with the Jurisdictional Engineer a certificate from the Secretary of the State of Iowa showing that it has complied with all the provisions of Chapter 490 of the Code of Iowa, as amended, governing foreign corporations. For further information contact the Iowa Secretary of State Office at 515-281-5204.

Bond No. _____

Name of Surety _____

NOTE: All signatures on this contract must be original signatures in ink; electronic, copies or facsimile of any signature will not be accepted.

CORPORATE ACKNOWLEDGMENT

State of _____)
_____) SS
_____ County)

On this ____ day of _____, 20____, before me, the undersigned, a Notary Public in and for the State of _____, personally appeared _____ and _____, to me known, who, being by me duly sworn, did say that they are the _____, and _____, respectively, of the corporation executing the foregoing instrument; that (no seal has been procured by) (the seal affixed thereto is the seal of) the corporation; that said instrument was signed (and sealed) on behalf of the corporation by authority of this Board of Directors; that _____ and _____ acknowledged the execution of the instrument to be the voluntary act and deed of the corporation, by it and by them voluntarily executed.

Notary Public in and for the State of _____
My commission expires _____ 20, _____

PARTNERSHIP ACKNOWLEDGMENT

State of _____)
_____) SS
_____ County)

On this ____ day of _____, 20 ____, before me, the undersigned, a Notary Public in and for the State of _____, personally appeared _____ to me personally known, who being by me duly sworn, did say that the person is one of the partners of _____, a partnership, and that the instrument was signed on behalf of the partnership by authority of the partners and the partner acknowledged the execution of the instrument to be the voluntary act and deed of the partnership by it and by the partner voluntarily executed.

Notary Public in and for the State of _____
My commission expires _____ 20, _____

INDIVIDUAL ACKNOWLEDGMENT

State of _____)
_____) SS
_____ County)

On this ____ day of _____, 20 ____, before me, the undersigned, a Notary Public in and for the State of _____, personally appeared _____ and _____, to me known to be the identical person(s) named in and who executed the foregoing instrument, and acknowledged that (he) (she) (they) executed the instrument as (his) (her) (their) voluntary act and deed.

Notary Public in and for the State of _____
My commission expires _____ 20, _____

LIMITED LIABILITY COMPANY ACKNOWLEDGMENT

State of _____)
_____) SS
_____ County)

On this ____ day of _____, 20 ____, before me a Notary Public in and for said county, personally appeared _____, to me personally known, who being by me duly sworn did say that person is _____ of said _____, that (the seal affixed to said instrument is the seal of said OR no seal has been procured by the said) _____, and that said instrument was signed and sealed on behalf of the said _____, by authority of its managers and the said _____ acknowledged the execution of said instrument to be the voluntary act and deed of said _____, by it voluntarily executed.

Notary Public in and for the State of _____
My commission expires _____ 20, _____

CONTRACT ATTACHMENT: ITEM 1: GENERAL - NONE**CONTRACT ATTACHMENT: ITEM 2: BID ITEMS AND, QUANTITIES**

THIS CONTRACT IS AWARDED AND EXECUTED FOR COMPLETION OF THE WORK SPECIFIED IN THE CONTRACT DOCUMENTS FOR THE BID PRICES TABULATED BELOW AS PROPOSED BY THE CONTRACTOR IN ITS PROPOSAL SUBMITTED IN ACCORDANCE WITH NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING. ALL QUANTITIES ARE SUBJECT TO REVISION BY THE JURISDICTION. THE JURISDICTION RESERVES THE RIGHT TO ADJUST QUANTITIES AS NECESSARY TO MAXIMIZE FUNDS BUDGETED FOR THIS PROJECT AS NOTED IN SECTION 00500 – CONTRACT.

ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
1	MOBILIZATION	1	LUMP SUM		
2	TRAFFIC CONTROL	1	LUMP SUM		
3	12" CIPP LINING – 9.0mm NOMINAL THICKNESS	1172	LF		
4	15" CIPP LINING – 12.0mm NOMINAL THICKNESS	2952	LF		
5	TRIM PROTRUDING TAP (IRON/NON-IRON)	2	EA		
6	REINSTATE LATERAL (ANY SIZE)	16	EA		
7	MANHOLE REHABILITATION	147	VF		
8	INTERNAL CHIMNEY SEAL	13	EA		
TOTAL PRICE					

SECTION 00610 - PERFORMANCE, PAYMENT AND MAINTENANCE BOND

Expansion Boulevard Sewer Rehabilitation
City of Storm Lake

KNOW ALL BY THESE PRESENTS:

That we, _____, as Principal (hereinafter the "Contractor" or "Principal" and _____, as Surety are held and firmly bound unto _____, as Oblige (hereinafter referred to as "the Jurisdiction"), and to all persons who may be injured by any breach of any of the conditions of this Bond in the penal sum of _____ DOLLARS (\$ _____), lawful money of the United States, for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, legal representatives and assigns, jointly or severally, firmly by these presents.

The conditions of the above obligations are such that whereas said Contractor entered into a contract with the Jurisdiction, bearing date the _____ day of _____, hereinafter the "Contract" wherein said Contractor undertakes and agrees to construct the Expansion Boulevard Sewer Rehabilitation project in Storm Lake, IA 50588.

and to faithfully perform all the terms and requirements of said Contract within the time therein specified, in a good and workmanlike manner, and in accordance with the Contract Documents. Provided, however, that one year after the date of acceptance as complete of the work under the above referenced Contract, the maintenance portion of this Bond shall continue in force for the stated maintenance period.

It is expressly understood and agreed by the Contractor and Surety in this bond that the following provisions are a part of this Bond and are binding upon said Contractor and Surety, to-wit:

PERFORMANCE: The Contractor shall well and faithfully observe, perform, fulfill, and abide by each and every covenant, condition, and part of said Contract and Contract Documents, by reference made a part hereof, for the above referenced improvements and shall indemnify and save harmless the Jurisdiction from all outlay and expense incurred by the Jurisdiction by reason of the Contractor's default of failure to perform as required. The Contractor shall also be responsible for the default or failure to perform as required under the Contract and Contract Documents by all its subcontractors, suppliers, agents, or employees furnishing materials or providing labor in the performance of the Contract.

PAYMENT: The Contractor and the Surety on this Bond are hereby agreed to pay all just claims submitted by persons, firms, subcontractors, and corporations furnishing materials for or performing labor in the performance of the Contract on account of which this Bond is given, including but not limited to claims for all amounts due for labor, materials, lubricants, oil, gasoline, repairs on machinery, equipment and tools, consumed or used by the Contractor or any subcontractor, wherein the same are not satisfied out of the portion of the contract price which the Jurisdiction is required to retain until completion of the improvement, but the Contractor and Surety shall not be liable to said persons, firms, or corporations unless the claims of said claimants against said portion of the contract price shall have been established as provided by law. The Contractor and Surety hereby bind themselves to the obligations and conditions set forth in Chapter 573, Code of Iowa, which by this reference is made a part hereof as though fully set out herein.

MAINTENANCE: The Contractor and the Surety on this Bond hereby agree, at their own expense:

To remedy any and all defects that may develop in or result from work to be performed under the Contract as detailed in Section 00500 - Contract, from the date of acceptance of the work under the Contract, by reason of defects in workmanship or materials used in construction of said work;

To keep all work in continuous good repair; and

To pay the Jurisdiction's reasonable costs of monitoring and inspection to assure that any defects are remedied and to repay the Jurisdiction all outlay and expense incurred as a result of Contractor's and Surety's failure to remedy any defect as required by this section.

Contractor's and Surety's agreement herein made extends to defects in workmanship or materials not discovered or known to the Jurisdiction at the time such work was accepted.

GENERAL: Every Surety on this Bond shall be deemed and held bound, any contract to the contrary notwithstanding, to the following provisions:

To consent without notice to any extension of time to the Contractor in which to perform the Contract;

To consent without notice to any change in the Contract or Contract Documents, which thereby increases the total contract price and the penal sum of this bond, provided that all such changes do not, in the aggregate, involve an increase of more than twenty percent of the total contract price, and that this bond shall then be released as to such excess increase; and

To consent without notice that this Bond shall remain in full force and effect until the Contract is completed, whether completed within the specified contract period, within an extension thereof, or within a period of time after the contract period has elapsed and the liquidated damage penalty is being charged against the Contractor.

The Contractor and every Surety on the bond shall be deemed and held bound, any contract to the contrary notwithstanding, to the following provisions:

That no provision of this Bond or of any other contract shall be valid which limits to less than five years after the acceptance of the work under the Contract the right to sue on this Bond.

That as used herein, the phrase "all outlay and expense" is not to be limited in any way, but shall include the actual and reasonable costs and expenses incurred by the Jurisdiction including interest, benefits and overhead where applicable. Accordingly, "all outlay and expense" would include but not be limited to all contract or employee expense, all equipment usage or rental, materials, testing, outside experts, attorney's fees (including overhead expenses of the Jurisdiction's staff attorneys), and all costs and expenses of litigation as they are incurred by the Jurisdiction. It is intended the Contractor and Surety will defend and indemnify the Jurisdiction on all claims made against the Jurisdiction on account of Contractor's failure to perform as required in the Contract and Contract Documents, that all agreements and promises set forth in the Contract and Contract Documents, in approved change orders, and in this Bond will be fulfilled, and that the Jurisdiction will be fully indemnified so that it will be put into the position it would have been in had the Contract been performed in the first instance as required.

In the event the Jurisdiction incurs any "outlay and expense" in defending itself with respect to any claim as to which the Contractor or Surety should have provided the defense, or in the enforcement of the promises given by the Contractor in the Contract, Contract Documents, or approved change orders, or in the enforcement of the promises given by the Contractor and Surety in this Bond, the Contractor and Surety agree that they will make the Jurisdiction whole for all such outlay and expense, provided that the Surety's obligation under this bond shall not exceed 125% of the penal sum of this bond.

In the event that any actions or proceedings are initiated with respect to this Bond, the parties agree that the venue thereof shall be Buena Vista County, State of Iowa. If legal action is required by the Jurisdiction to enforce the provisions of this Bond or to collect the monetary obligation incurring to the benefit of the Jurisdiction, the Contractor and the Surety agree, jointly and severally, to pay the Jurisdiction all outlay and expense incurred therefor by the Jurisdiction. All rights, powers, and remedies of the Jurisdiction hereunder shall be cumulative and not alternative and shall be in addition to all rights, powers and remedies given to the Jurisdiction, by law. The Jurisdiction may proceed against surety for any amount

guaranteed hereunder whether action is brought against the Contractor or whether Contractor is joined in any such action(s).

NOW THEREFORE, the condition of this obligation is such that if said Principal shall faithfully perform all the promises of the Principal, as set forth and provided in the Contract, in the Contract Documents, and in this Bond, then this obligation shall be null and void, otherwise it shall remain in full force and effect.

When a work, term, or phrase is used in this Bond, it shall be interpreted or construed first as defined in this Bond, the Contract, or the Contract Documents; second, if not defined in the Bond, Contract, or Contract Documents, it shall be interpreted or construed as defined in applicable provisions of the Iowa Code; third, if not defined in the Iowa Code, it shall be interpreted or construed according to its generally accepted meaning in the construction industry; and fourth, if it has no generally accepted meaning in the construction industry, it shall be interpreted or construed according to its common or customary usage.

Failure to specify or particularize shall not exclude terms or provisions not mentioned and shall not limit liability hereunder. The Contract and Contract Documents are hereby made a part of this Bond.

Project No. _____

(CON'T – PERFORMANCE, PAYMENT AND MAINTENANCE BOND)

Witness our hands, in triplicate, this _____ day of _____, _____.

Surety Countersigned By:

PRINCIPAL:

Signature of Iowa Resident Commission Agent as
Prescribed by Chapter 515.52-57, Iowa Code.
(Require only if Attorney-in-Fact is not also an
Iowa Resident Commission Agent).

Contractor

By:

Signature

Name of Resident Commission Agent

Title

Company Name

SURETY:

Company Address

Surety Company

City, State, Zip Code

By:

Signature Attorney-in-Fact Officer

Company Telephone Number

Name of Attorney-in-Fact Officer

Company Name

Company Address

City, State, Zip Code

Company Telephone Number

NOTE: All signatures on this Performance, Maintenance & Payment Bond must be original signatures in ink; electronic, copies, or facsimile of any signature will not be accepted. This bond must be sealed with the Surety's raised, embossing seal or official adhesive seal. The Certificate or Power of Attorney accompanying this bond must be valid on its face and sealed with the Surety's raised, embossing seal or official adhesive seal.

SECTION 00800 - SPECIAL PROVISIONS

FOR

Expansion Boulevard Sewer Rehabilitation
City of Storm Lake

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1) CONTRACT PROVISIONS

a) Completion Date

- i) All work under the Contract must be substantially complete as detailed in Section 00500 – Contract

b) Liquidated Damage

- i) Damages in the amount as detailed in Section 00500 –Contract per day will be assessed for each day the work remains incomplete.

c) Maintenance Bond & Warranty

- i) To remedy any and all defects as detailed in Section 00500 – Contract.

d) Bid Quantity Revisions

- i) All quantities are estimates and subject to revision by the Jurisdiction.
- ii) Quantity changes that do not materially change the character of the work to performed and amount to less than Twenty (20) percent of a given bid item or less than Five (5) percent of the total contract amount shall not affect the unit price bid.

2) DEFINITION AND INTENT

a) The Specifications that apply to the materials and construction practices for this project are defined as follows:

- i) The 2021 Edition of the SUDAS Standard Specifications, except as modified by these Special Provisions to the Technical Specifications.
- ii) Omissions of words or phrases such as “the Contractor shall”, “in accordance with”, “shall be”, “as noted on the Plans”, “according to the Plans”, “a”, “an”, “the” and “all” are unintentional; supply omitted words or phrases by inference.
- iii) “Owner”, “Jurisdiction” and “City” shall mean the City of Storm Lake, acting through the Expansion Boulevard Sewer Rehabilitation Project.
- iv) “Person” shall mean any individual, partnership, limited partnership, joint venture, society, association, joint stock company, corporation, limited liability company, estate, receiver, trustee, assignee, or referee, whether appointed by a court or otherwise, and any combination of individuals.
- v) “Engineer” shall mean the Engineer on Record.
- vi) The intent of the Technical Specifications is to describe the construction desired, performance requirements, and standards of materials and construction.
- vii) “Standard Drawings” shall mean the Figures bound within the SUDAS Standard Specifications and/or the Typical Drawings bound within the plans.
- viii) “Work” shall mean the work to be done and the equipment, supplies, and materials to be furnished under the contract unless some other meaning is indicated by the context.
- ix) “Or equal” shall follow manufacturers names used to establish standards and, if not stated, is implied.

- b) Engineer: Bolton & Menk, Inc., 218 11th Street SW, Spencer, IA 51301, (712) 580-5075, fax (515) 233-4430.

3) GENERAL PROVISIONS AND COVENANTS

a) Division 1 of the General Provisions and Covenants of the 2021 Edition SUDAS Standard Specifications is modified as follows:

- i) Section 1020.1.09B, Unit Price Attachment.

- (a) A computer generated unit price attachment may be submitted by the Bidder as specified by this Section.
- ii) Section 1050, 1.05 Shop Drawings, Certificates, and Equipment Lists.
 - (a) Electronic submittal of shop drawings will be allowed.
 - (b) If hardcopy submittals are used, the Contractor shall submit a minimum of three (3) copies plus any additional required by the Contractor.
- iii) Section 1050, 1.15 - Additional Contractor Responsibilities.
 - None.

4) WORK REQUIRED

- a) Work under this contract includes all materials, equipment, transportation, traffic control, and associated work for the construction of the Expansion Boulevard Sewer Rehabilitation as described in the Official Publication.

5) PLANS AND SPECIFICATIONS

- a) The Owner will furnish five (5) sets of plans and specifications to the Contractor after award of the contract. The Contractor shall compensate the Owner for printing costs for additional copies required.
- b) Contractor shall provide one set of plans and specifications for each foreman and superintendent in charge of each crew on the job.

6) SUBMITTALS

- a) Contractor shall provide a construction schedule showing dates of starting and completing various portions of work. Schedule shall be updated as needed or as requested by Engineer due to changes in progress of construction from original schedule. Updates shall be completed within one week of request.
- b) Contractor shall submit the following information for Engineer's review. Three (3) copies plus any additional copies required by Contractor shall be submitted to the Engineer at the preconstruction conference or at least 14 days prior to utilization of the particular item on this project.
 - i) Testing reports.
 - ii) Manufacturer's data for materials that are to be permanently incorporated into the project.
 - iii) Details of proposed methods of any special construction required.
 - iv) Purchase orders and subcontracts without prices.
 - v) Traffic control and staging plan.
 - vi) Such other information as the Engineer may request to insure compliance with contract documents.
 - vii) List of Subcontractors and Suppliers.

7) STANDARDS AND CODES

- a) Construct improvements with best present day construction practices and equipment.

- b) Conform with and test in accordance with applicable sections of the following standards and codes.
 - i) American Association of State Highway and Transportation Officials (AASHTO).
 - ii) American Society for Testing and Materials (ASTM).
 - iii) Iowa Department of Transportation Standard Specifications (Iowa DOT).
 - iv) American National Standards Institute (ANSI).
 - v) American Water Works Association (AWWA).
 - vi) American Welding Society (AWS).
 - vii) Federal Specifications (FS).
 - viii) Iowa Occupational Safety and Health Act of 1972 (IOSHA).
 - ix) Manual of Accident Prevention in Construction by Associated General Contractors of America, Inc. (AGC).
 - x) Standards and Codes of the State of Iowa and the ordinances of the Owner.
 - xi) Other standards and codes which may be applicable to acceptable standards of the industry for equipment, materials and installation under the contract.

8) CONSTRUCTION GENERAL

- a) Procedures outlined herein are not intended to fully cover all special construction procedures but are offered as an aid to the Contractor in planning work.
- b) Contractor shall cooperate with the City of Storm Lake, IA and the Engineer to minimize inconvenience to property owners, other jurisdictions and motorists and to prevent delays in construction and interruption to continuous operation of utility services and site access.
- c) The Contractor is expected to provide adequate personnel and equipment to perform work within the specified time of construction.
- d) Contractor shall install and maintain orange safety fence around all open trenches or open structures when left unattended.
- e) Contractor shall complete surface restoration and clean up activities as construction progresses.

9) EMPLOYMENT PRACTICES

- a) Neither the Contractor nor the Contractor's subcontractors shall employ any person whose physical or mental condition is such that their employment will endanger the health and safety of anyone employed on the Project.
- b) The Contractor shall not commit any of the following employment practices and agrees to include the following clauses in any subcontracts:
 - i) To discharge from employment or refuse to hire any individual because of sex, race, color, religion, national origin, sexual orientation, marital status, age, or disability unless such disability is related to job performance of such person or employee.

- ii) To discriminate against any individual in terms, conditions, or privileges or employment because of sex, race, color, religion, national origin, sexual orientation, marital status, age, or disability unless such disability is related to job performance of such person or employee.

10) RESPONSIBILITY OF CONTRACTOR

- a) Contractor shall provide supervision of the work.
- b) Contractor shall provide protection of all property from injury or loss resulting from construction operations.
- c) Contractor shall replace or repair objects sustaining any such damage, injury, or loss, to the satisfaction of Owner and Engineer.
- d) Contractor shall cooperate with Owner, Engineer, and representatives of utilities in locating underground utility lines and structures. Incorrect, inaccurate, or inadequate information concerning location of utilities or structures shall not relieve the Contractor of responsibility for damage thereto caused by construction operations.
- e) Contractor shall keep cleanup current with construction operations.
- f) Contractor shall comply with all Federal, State of Iowa, and local laws and ordinances.

11) WORK HOURS/COMMUNITY EVENTS

- a) The Contractor will be required to limit work hours on the Project from 7:00 a.m. to 7:00 p.m., Monday through Friday, unless otherwise directed by the Engineer.
- b) The following Community Events are scheduled. Contractor is required to coordinate with the Owner as needed to allow use of public property as necessary for the event. If contract continues for multiple years, event is still in force even though dates and locations may change.

12) CONSTRUCTION FACILITIES

- a) Contractor shall provide telephone numbers where Contractor's representative can be reached during work days and on nights and weekends in event of emergency.
- b) Contractor shall provide and maintain suitable sanitary facilities for construction personnel for duration of work; remove upon completion of work.
- c) Contractor shall not store construction equipment, employee vehicles, or materials on streets open to traffic.
- d) Contractor shall provide suitable storage facilities necessary for proper storage of materials and equipment. Location for storage of equipment by Contractor is subject to approval of Engineer.
- e) Contractor will be required to make arrangements for all services required during the construction period and pay for such services at no additional cost to the Owner.

13) PROJECT SUPERVISION

- a) The Contractor shall be represented in person at the construction site at all times that construction operations are proceeding. Representation constitutes a qualified superintendent or other designated, qualified representative capable of providing adequate supervision. The representative must be duly authorized to receive and execute instructions, notices, and written orders from the Engineer.

- b) Resolution of issues that arise during construction relating to traffic control, construction staging, etc. is the responsibility of the Contractor.
- c) Weekly progress meetings, if specified at the preconstruction conference may be held at the project site to review project schedule, coordinate activities, resolve conflicts, and coordinate the construction work. The day and time for this meeting will be set at the preconstruction conference. The Contractor shall provide qualified representation at each meeting.
- d) Refer to Division 1 – General Provisions and Covenants, Section 1080 – Contractual Provisions, Part 1 – Prosecution and Progress of the Work, Section 1.10 Contractors Employees, Methods and Equipment for additional requirements.
- e) Contractor shall provide supervision of all sub-contractors and their personnel while on the site.

14) COORDINATION WITH OTHERS

- a) Contractor shall cooperate and coordinate construction with the Owner, utility companies, affected property owners, and other contractors working in vicinity of this project.
- b) It is the Contractor's responsibility to schedule and coordinate work to minimize construction delays and conflicts.
- c) Contractor shall cooperate and coordinate with property owners prior to beginning work that will affect their parcel.

15) CONSTRUCTION LIMITS

- a) Contractor shall not store equipment, vehicles, or materials within the right-of-way of any streets open to traffic or on temporary access roads at any time.
- b) Areas disturbed outside of construction limits shall be restored at the contractor's expense to the satisfaction of the Jurisdiction.
- c) Contractor shall protect trees, fences, and landscaping within the construction limits not marked for removal.
- d) All work on this project will be within City Right-of-Way, Easements or Public Property.

16) CONSTRUCTION SCHEDULE

- a) The Contractor will prepare and submit to the Engineer a project schedule that will assure the completion of the project within the time specified within the Contract.
- b) Adequate equipment and forces shall be made available by the Contractor to start work immediately upon receipt of the Notice to Proceed.
- c) Contractor shall submit a construction schedule at the preconstruction conference.
- d) Contractor shall periodically update it as needed due to changes in progress of construction from original schedule or as requested by the Engineer. Updates shall be completed within one week of request.
- e) The Contractor shall be required to meet the final completion date as specified in the written Notice to Proceed.
- f) Contractor shall notify the City and property owners at least 48 hours prior to any street closures.

- i) Notification shall be provided by written notice placed on the front door. The following items shall be included within the notice:
 - (a) The street name, location and proposed date of street closure
 - (b) The estimated schedule for completion of work
 - (c) The estimated date for reopening of the street
 - (d) Procedure for garbage collection recycling and postal service

17) CONSTRUCTION PHASING

- a) Contractor shall refer to construction staging and traffic control plans when included in construction plans.
- b) Contractor shall include construction phasing on the required construction schedule submittal.

18) MATERIALS TESTS

- a) Material testing as specified for construction will be completed by an independent testing laboratory retained by the Contractor and approved by the Engineer. Testing shall meet the requirements of the SUDAS Standard Specifications or as described within the Special Provisions.
- b) The Contractor shall coordinate all material testing with the Engineer.
- c) The Contractor shall provide transportation of all samples to the laboratory.
- d) The Contractor shall not deliver materials to the project site until laboratory tests have been furnished which verify compliance of materials with specifications.
- e) Contractor shall certify that materials and equipment are manufactured in accordance with applicable specifications.

19) SOIL BORINGS

- a) None.

20) EXISTING UTILITIES

- a) Location of utility lines, mains, cables, and appurtenances shown on plans are from information provided by utility companies and records of the Owner.
- b) The Contractor is solely responsible for damage to utilities or private or public property due to utility disruption.
- c) The Contractor shall notify utility company immediately if utility infrastructure is damaged during construction.
- d) The Contractor shall support and protect all utilities that are not moved.
- e) Utility services are not generally shown on plans; protect and maintain services during construction. Notify Jurisdiction and affected property Jurisdictions 48 hours prior to any planned utility service interruptions.
- f) If private utility work occurs within/adjacent to the site during the construction period, Contractor shall coordinate work schedules with the Engineer.

- g) Existing utilities shall remain in substantially continuous operation during construction. Contractor shall select the order and methods of construction that will not interfere with the operation of the utility systems. Interrupt utility services only with approval of Jurisdiction and Engineer.
- h) No claims for additional compensation or time extensions will be allowed to the Contractor for interference or delay caused by utility companies.

21) SALVAGE OF MATERIALS / DISPOSAL

- a) The Contractor shall remove from the project site and dispose of trees, shrubs, vegetation, excess soil excavation, rubbish, concrete, granular materials, and other materials encountered as shown on plans and as specified. Excess soil excavation not designated for waste locations shall be disposed as directed by the Engineer.
- b) The Contractor shall dispose of materials in accordance with applicable laws and ordinances. Disposal sites are subject to the review and approval of the Engineer.
- c) The Contractor shall cooperate with all applicable City, State and Federal agencies concerning disposal of materials.
- d) The Contractor shall carefully remove, in a manner to prevent damage, all materials and equipment specified or indicated as salvage. The Contractor shall protect and store items specified.
- e) Any items damaged in removal, storage, or handling through carelessness or improper procedures shall be replaced by the Contractor in kind with new items.

22) TRAFFIC CONTROL

- a) The Contractor shall provide sufficient surveillance of the traffic control devices to ensure compliance during the entire construction period. The Contractor shall furnish names, addresses, and phone numbers of at least two (2) local individuals capable of immediate response who will be responsible for the site security and traffic control devices to:
 - The Engineer
 - The Owner
 - Local Law Enforcement Agencies
- b) The Contractor shall respond with sufficient personnel, equipment and/or materials and conduct the required work or be subject to a \$ 100 per hour deduction from the time of notification for non-attention to project security and safety.
- c) The Contractor shall schedule the work to cooperate fully with business property owners and occupants abutting the project to minimize the time of restricted access to their property during the construction period.
- d) The Contractor shall notify the City and property owners at least 48 hours prior to any street closures.
 - i) Notification shall be provided by written notice delivered to the business. The following items shall be included within the notice:
 - (1) The street name, location and proposed date of street closure.
 - (2) The estimated schedule for completion of work.
 - (3) The estimated date for reopening of the street.
 - (4) Procedure for garbage collection/recycling and postal service.
- e) The cost of maintaining vehicular and pedestrian traffic on temporary surfaced drives, walkways, including the eventual removal of the temporary surfacing material, shall be considered incidental to traffic control.

- f) In the event that any of the above right-of-way require traffic to be detoured around the construction zone, the Contractor shall prepare the detour route with the appropriate Agency representatives. The Contractor shall provide and maintain all signing and other traffic control required. The affected Agency shall be notified by the Contractor before re-routing traffic. Dust control and road maintenance of the by-pass route shall be the Contractor's responsibility.
- g) Contractor shall furnish, erect, and maintain traffic control devices as specified in the construction drawings and directed by the Engineer including signs, barrels, cones, and barricades to direct traffic and separate traffic from work areas. Traffic control shall be in place prior to the closing of any streets.
- h) Contractor shall provide traffic control devices in accordance with the Iowa DOT Standard Specification, Section 2528, Traffic Control, and the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD).
- i) Adjustments to the traffic control or the addition of flaggers will be required if, in the opinion of the Engineer, undue traffic congestion occurs.
- j) Contractor shall provide continuous access for police, fire, and other emergency vehicles.
- k) Contractor shall notify the Engineer in writing at least 72 hours prior to the start of any construction operation that will necessitate land closure or internal traffic control signing.

23) INCIDENTAL CONTRACT ITEMS

- a) The furnishing and installing of specific items and/or the performance of work under certain circumstances shall not be individually paid in the absence of a specific bid item for the work. These costs shall be included in the Unit Price bid for the individual items associated with the stated specific item or work effort. Such items of work include, but are not limited to:

- Coordination and cooperation with affected property owners
- Coordination and cooperation with the City of Storm Lake
- Coordination and cooperation with other Contractors
- Coordination and cooperation with other projects in the area
- Coordination and cooperation with utility companies
- Field testing
- Material testing
- Monitoring weather conditions
- Site cleanup/restoration
- Temporary safety closures

******END OF SECTION******

NOTICE OF AWARD
(To be executed after bid is awarded)

TO: Contractor _____
Address 1 _____
Address 2 _____
City, ST Zip _____

PROJECT TITLE: Expansion Boulevard Sewer Rehabilitation

PROJECT DESCRIPTION: This project includes the installation of approximately 1172 linear feet of 12" CIPP lining, 2952 linear feet of 15" CIPP lining and miscellaneous tasks to ensure proper installation of the liner. Also included in this project is the rehabilitation of 147 vertical feet of manholes and the installation of internal chimney seals

OWNER'S NAME: City of Storm Lake

The OWNER has considered the BID submitted by you for the above described WORK in response to its Advertisement for Bids dated _____, 2021, and Information for Bidders.

You are hereby notified that your BID has been accepted for items in the amount of \$ _____.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER within fifteen (15) days of this, the _____ day of _____, 2021.

You must deliver to the OWNER Three (3) fully executed counterparts of the Agreement, including all the Contract Documents. Each of the Contract Documents must bear your signature. You must deliver with the executed Agreement acceptable Contract Security (Bonds), Certificate(s) of Insurance, and other required information. Within ten days after you comply with the above conditions, the OWNER will return to you one fully executed counterparts of the Agreement.

Dated this, the _____ day of _____, 2021

City of Storm Lake
Storm Lake, IA 50588

BY: _____

TITLE: _____

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged by _____,
this, the _____ day of _____, 2021.

BY: _____

TITLE: _____

NOTICE TO PROCEED

(To be executed after Agreement, Bonds and Insurance Certificates are approved)

TO: Contractor

Address 1

Address 2

City, ST Zip

Date:

Project Title: Expansion Boulevard Sewer
Rehabilitation

Project Owner: City of Storm Lake

Project Location: Storm Lake, IA 50588

You are hereby notified to commence WORK in accordance with the Agreement awarded on _____, 2021. The Contract Time shall commence to run on Anticipated start date: _____, 2021. WORK shall proceed in accordance with the dates set forth in the Contract and all other provisions of the Contract Documents.

City of Storm Lake

Storm Lake, IA 50588

BY: _____

TITLE: _____

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED is hereby acknowledged by _____, this, the _____ day of _____, 2021.

BY: _____

TITLE: _____

Letter of Transmittal

Date: _____
Project No.: P11.120650

TO: _____

- ☐ UPS Dropdown Selection
- ☐ Fedex Ground
- ☐ Regular Mail
- ☐ Client Pick-up
- ☐ Hand Carry
- ☐ Fax
- ☐ Fax/Send

RE:

WE ARE ENCLOSING:

FOR YOUR: ☐ Review ☐ Records ☐ Approval ☐ Distribution ☐ Information
☐ Use as Requested ☐ Please Return Corrected Prints

REMARKS:

CC: _____ By: _____

SECTION 02532 - CURED-IN-PLACE-PIPE (CIPP) - GRAVITY

PART 1 -- GENERAL

1.1 SUMMARY

- A. This section covers the furnishing of all labor, materials, tools, equipment and performances of all work and services necessary or incidental to the installation of a resin-impregnated flexible liner which is inserted into the original conduit by use of a hydrostatic head. Methods that are pulled in and inflated (rather than inverted) may be considered, providing the method meets the other provisions of this specification. When cured, the finished pipe (CIPP) shall be continuous and tight fitting.

1.2 METHOD OF MEASUREMENT AND PAYMENT

- A. Measurement and compensation for the following items shall be paid according to the referenced specification or as modified below.
1. The contract unit price bid per LINEAR FOOT (LF) for CIPP shall be compensation in full for all equipment, materials, and labor required to complete the CIPP installation. Payment shall be based on the actual measurement of liner installed.
 2. The contract unit price bid per EACH (EA) for Lateral Reinstatement (any size) shall be compensation in full for all labor, materials, and equipment required to determine which are active, and complete the lateral reinstatements of all lateral lines conveying sewage in accordance with these specifications
 3. The contract unit price bid per EACH (EA) for Trimming Protruding Taps, for the appropriate type, shall be compensation in full for all labor, equipment and materials required to determine which taps are to be trimmed and subsequent trimming, regardless of tap diameter.
- B. The furnishing and installing of specific items and /or the performance of work under certain circumstances shall not be individually paid in the absence of a specific bid item for the work. The costs shall be included in the unit price bid for the CIPP, as indicated. Such items of work include, but are not limited to:
1. Coordination with City to coordinate access to the sanitary sewer systems.
 2. Securing and withdrawing from a water source.
 3. Furnishing, installing and maintaining traffic control devices where necessary not already provided for by bid items.
 4. Pre-installation and post-installation cleaning and televising.
 5. Removal and disposal of internal debris from the sewer mainline and services prior to installation.
 6. Bypass pumping unless otherwise specified and included in the bid form
 7. Providing all required notifications of restricted sewer service periods to the Owner and residents affected by the work as well as coordination of resident relocations and reimbursements, if applicable.
 8. Installation of pipe pre-liners or grouting if required to install CIPP in areas of excess infiltration
 9. Dye testing as required to determine active laterals (where needed).
 10. Installation of hydrophilic end seals at the ends of the liner in each manhole.
 11. Removal of liner in manholes if pulling/inverting through manholes (unless manhole is being abandoned).

12. Excavation and restoration required to reinstate sewer services if the Contractor is unable to reinstate services via trenchless methods.
13. General project related restoration where not already provided by bid items.

1.3 SPECIFICATION REFERENCES

- A. This specification references below are made a part hereof by such reference and shall be the latest edition and revision thereof. In case of conflicting requirements between this specification and the ASTM referenced sections, this specification will govern.
 1. ASTM F2019 Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Pulled in Place Installation of Glass Reinforced Plastics (GRP) Cured-In-Place Pipe (CIPP)
 2. ASTM F1216 Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Inversion and Curing of a Resin-Impregnated Tube.
 3. ASTM F1743 Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Pull in and inflate and Curing of a Resin-Impregnated Tube.
 4. ASTM F2561 – Standard Practice for Rehabilitation of a Sewer Service Lateral and its Connection to the Main Using a One-Piece Main and Lateral Cured-in-Place Liner.
 5. ASTM D543 Test Method for Resistance of Plastics to Chemical Reagents
 6. ASTM D578 Standard Specification Glass Fiber Strands
 7. ASTM D638 Standard Test Method for Tensile Properties of Plastics.
 8. ASTM D790 Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.
 9. ASTM D2122 Standard 1 Test Method for Determining Dimensions of Thermoplastic Pipe and Fittings
 10. ASTM D2990 Standard Test Methods for Tensile, Compressive, and Flexural Creep and Creep-Rupture of Plastics
 11. ASTM D3567 Standard Practice for Determining Dimensions of “Fiberglass” (Glass-Fiber Reinforced Thermosetting Resin) Pipe and Fittings
 12. ASTM D5813 Standard Specification for Cured-in Place Thermosetting Resin Sewer Pipe
- B. Unless noted otherwise, the provisions in this section are in addition to the referenced specification.

1.4 SUBMITTALS

- A. Information Requested from the Low Bidder
 1. The Contractor shall submit, prior to the installation or use of any lining materials or equipment, certified test results from the manufacturers which indicate that all materials conform to the applicable requirements.
 2. A copy of the license or certificate verifying the manufacturer's or licensor's approval of the INSTALLER.
 3. Chemical resistance submittals --- The Contractor shall submit test results of the resin proposed that meet the chemical resistance requirements of ASTM F2019, Section 5.2.6. The chemical resistance tests will be completed in accordance with Test Method D543.
 4. CIPP Field Samples ---Field sampling procedure shall be in accordance with ASTM 2019 and in accordance with ASTM D5813.
 5. MSDS Sheets --- The Contractor shall submit Material Safety Data Sheets for all resins, and other additives such as accelerants, colorants, and lubricants utilized in the pipe liner/lining process.

6. Manufacturer Protocols - The Contractor shall submit manufacturer information that describes the materials, curing speeds/schedule, curing installation processes, installation pressures, temperature limitations, and recommended post curing documentation.
 7. Residential Informational Handout - The Contractor shall submit an informational hand out that describes the materials, processes, installation, pressures, temperature limitations, and odors associated with the lining process that shall be provided at the request of concerned residents.
 8. Liner pipe thickness design for each pipe segment. No liner will be approved for installation until liner thickness calculations have been submitted and reviewed for conformance with the specification.
 9. Proposed plan for temporary conveyance of sewer flows and bypass monitoring.
 10. Proposed construction schedule.
 11. Evidence of the INSTALLER's experience including a list of similar projects completed within the previous 2 years.
 12. **Description of cure method(s) and temperature/process for curing the liner. It is expected that most of these pipe segments being lined are comprised of "PVC Truss Pipe" and special care will be needed when curing the liner as to avoid blistering and damaging the existing host pipe.**
- B. Televising Log
1. All televising and construction logs, or copies thereof, shall become the property of the Owner. This includes the videos made at the beginning of the project just prior to the installation of the liner.
 2. Televising logs shall be in provided in DVD format.
 3. Two copies of all DVD's shall be submitted.

PART 2 -- PRODUCTS

2.1 MATERIALS

- A. Liner - The liner material shall meet the requirements of ASTM F1216 and/or ASTM F2019.
- B. Resin - The resin system shall meet the requirements of ASTM F1216 and/or ASTM F2019. **Neat resin shall be used for all lining of PVC pipes.**
- C. Hydrophilic End Seals shall be LMK Insignia End Seal or approved substitution.

2.2 STRUCTURAL REQUIREMENTS

- A. The CIPP shall be designed as per ASTM F1216, Appendix X1. The CIPP design shall assume no bonding to the original pipe wall but a tight, intimate contact is required.
- B. The CIPP shall be designed using a Long Term Creep Retention Factor of fifty percent (50%) of the initial design flexural modulus as determine by ASTM D-790 test method. This value shall be used unless the Contractor submits long term test data (ASTM D2990) to substantiate a higher retention factor.
- C. The layers of the cured CIPP shall be uniformly bonded. It shall not be possible to separate any two layers with a probe or point of a knife blade so that the layers separate cleanly or the probe or knife blade moves freely between the layers.
- D. If separation of the layers occurs during testing of field samples, new samples will be cut from the work. Any reoccurrence may cause rejection of the work.

E. The CIPP shall conform to the following properties:

	Standard	Min Value	Enhanced Value	UV Value
Flexural Strength	ASTM - D790	4,500 psi	4,500 psi	6,500 psi
Modulus of Elasticity	ASTM - D790	250,000 psi	400,000 psi	725,000 psi

F. The design parameters are:

Pipe diameter	12-15	Inches
Maximum depth from finished ground to invert	15	Feet
Minimum depth from finished ground to invert	9	Feet
Groundwater Depth	Equal to Soil Depth	Feet
Cover density (assumed)	120	Lbs/cf
Design Safety Factor (1.5 for pipes 36 inches and larger)	2.0	Value
Ovality	3%	Percent
Enhancement Factor (K)	7.0	Value
Poisson's Ratio	0.3	Value
Level of Deterioration	Fully Deteriorated	Value
Creep Retention Factor	50%	Value
Soil Modulus	1,000	PSI
Host Pipe Loading	H20 Highway	Value

- G. **The required structural CIPP wall thickness shall be based as a minimum, on the physical properties listed above and in accordance with the Design Equations in the appendix of ASTM F1216. The finished/cured liner thickness shall exceed minimum thickness requirements set forth by the equations in the appendix of ASTM F1216 in all situations.**
- H. **The contractor will bid/install a 9.0 mm nominal (prior to cure) liner on all 12" pipe installations. Finished thickness shall exceed 7.6 mm on all installations.**
- I. **The contractor will bid/install a 12.0 mm nominal (prior to cure) liner on all 15" pipe installations. Finished thickness shall exceed 10.2 mm on all installations.**

2.3 TESTING REQUIREMENT

- A. **Chemical Resistance** - The Contractor shall certify that CIPP shall meet the chemical resistance requirements of ASTM F1216, Appendix X2. CIPP samples for testing shall be of liner and resin system similar to that proposed for actual construction. It is required that CIPP samples with and without plastic coating meet these chemical testing requirements.
- B. **Hydraulic Capacity** - The Contractor shall certify that the CIPP shall have a minimum of the full flow capacity of the original pipe before rehabilitation. Calculated capacities may be derived using a commonly accepted roughness coefficient for the existing pipe material taking into consideration its age and condition. The roughness coefficient of the CIPP shall be verified by third party test data.
- C. **CIPP Field Samples** - When requested by the Owner, the Contractor shall submit test results from previous field installations in the USA of the same resin system and liner materials as proposed for the actual installation. These test results must verify that the CIPP physical properties specified in Section 2.3.D. have been achieved in previous field applications. Testing samples for this project shall be made and tested as described in Section 3.4.A.

PART 3 -- EXECUTION

3.1 GENERAL

- A. The Contractor shall contact the Owner to determine where water is available on the site. There will be NO fee for water used on the project, however, the Contractor will be required to provide a backflow preventer when pulling water from a hydrant near project site.
- B. It shall be the responsibility of the Owner to locate and designate all manhole access points open and accessible for the work and provide rights of access to these points. If a street must be closed to traffic because of the orientation of the sewer, the Contractor shall furnish and install all necessary traffic control devices until the street is opened to traffic.
- C. Cleaning of Sewer Lines - The Contractor shall remove all internal debris out of the sewer line that will interfere with the installation of CIPP. The Contractor shall secure their own disposal site for all debris removed from the sewers.
- D. Bypassing Sewage - The Contractor shall provide for the flow of sewage around the section or sections of pipe designated for lining. The bypass shall be made by plugging the line at an existing upstream manhole and pumping the flow into a downstream manhole or adjacent system. The pump and bypass lines shall be of adequate capacity and size to handle the flow.
- E. Inspection of Pipelines - Inspection of pipelines shall be performed by experienced personnel trained in locating breaks, obstacles and service connections by closed circuit television. The interior of the pipeline shall be carefully inspected to determine the location of any conditions that may prevent proper installation of CIPP into the pipelines, and it shall be noted so that these conditions can be corrected.
- F. Line Obstructions - It shall be the responsibility of the Contractor to clear the line of obstructions such as solids and roots that will prevent the proper insertion of CIPP. If pre-installation inspection reveals an obstruction such as a protruding service connection, offset joint, or a collapse that will prevent the inversion process, and it cannot be removed by conventional sewer cleaning equipment, the Contractor shall immediately notify the Owner. The Owner may choose to have the Contractor make a point repair excavation to uncover and remove or repair the obstruction. Such excavation shall be considered as a separate pay item and will be negotiated once the work is better defined.
- G. The Contractor shall notify the Owner prior to initiating cleaning and flushing and shall coordinate his operations with the Owner.
- H. The Contractor shall determine the length and diameter of the pipe to be lined prior to fabrication of the liner. No additional compensation will be paid for measured diameters, which vary from measure indicated on the plans or bid form.
- I. The Contractor shall provide all necessary equipment, jigs, pipe pieces, sandbags, labor, etc. to install CIPP tube through the available access locations provided and shown on the plans. The Contractor shall also cut open, reinstate, and prepare the edges of cut surfaces in a clean and orderly fashion to reopen the pipe within manholes that have been lined through. No additional compensation shall be made for lined through manholes, and such items of work shall be considered incidental to the contract.

3.2 NOTIFICATION

- A. Notice required. At least seven days before the start of lining, the Contractor shall provide notice, including the approximate schedule of lining, as described below.
 - 1. Written notice must be given to the adult residents of buildings, and to the owner or administrator of any property directly served by the sewer to be lined.
 - 2. The notice must be mailed or hand delivered to the owner or administrator of a child care building, school building, commercial business, and/or industry.

3. The notice may be put on or under the door of each residence, one notice for each single-family building and one notice for each unit of a multi-unit building.
- B. Contents of notice to residents, administrator and Owner. The notice shall specify the days and the hours during which sewer service will be restricted.
- C. Reminder Notice: A written, or verbal reminder notice shall be delivered at least 24 hours prior to the actual work.

3.3 CONSTRUCTION REQUIREMENTS

- A. CIPP installation shall be in accordance with ASTM F1216, Section 7, or ASTM F2019, Section 6.4 with the following additional requirements:
 1. Resin Impregnation - The quantity of resin used for liner impregnation shall be sufficient to fill the volume of air voids in the liner with additional allowances for polymerization shrinkage and the loss of resin through cracks and irregularities in the original pipe wall. A vacuum impregnation process shall be used. A roller system shall be used to uniformly distribute the resin throughout the liner.
 2. Liner insertion shall be performed in accordance with manufacturer's recommendations and in such a way to fully extend the liner to its termination point, hold the liner tight against the pipe wall, and produce dimples at service connections and flared ends at maintenance holes. Lubricants may be used as necessary. Care shall be taken so as not to overstress the felt fiber.
 3. **Unless otherwise indicated in the plans or authorized in writing by the Engineer, water curing, and UV curing shall all be considered as an acceptable cure method for this project. Steam curing will NOT be allowed to the existing PVC pipe material expected on site.**
 - (a) Circulated Heated Water Cure
 - (1) After inversion is completed, suitable heat source and water recirculation equipment are required to circulate heated water throughout the pipe.
 - (2) The equipment should be capable of delivering hot water throughout the section to uniformly raise the water temperature above the temperature required to effect a cure of the resin.
 - (3) The heat source should be fitted with suitable monitors to gauge the temperature of the incoming and outgoing water supply. Another such gauge should be placed between the impregnated tube and the pipe invert at the termination to determine the temperatures during cure.
 - (4) The temperature and pressure maintained in the pipe and the duration of the cure period shall be as recommended by the manufacturer.
 - (5) The curing of the CIPP must take into account the existing pipe material, the resin system, and ground conditions (temperature, moisture level, and thermal conductivity of soil).
 - (6) Cooling:
 1. The new pipe should be cooled to a temperature below 100 degrees Fahrenheit before relieving the static head in the inversion stand pipe.
 2. Cool-down may be accomplished by the introduction of cool water into the inversion stand pipe water to replace hot water being drained from a small hole made in the down-stream end.
 3. Care shall be taken in the release of head so that a vacuum will not be developed that could damage the newly installed pipe.

(b) UV Cure – Follow ASTM F2019, Section 6.6 & 6.7

- (1) The approved system must utilize an outer and inner film to ensure that the liner remains intact during the insertion process and to protect the resin at all times during the installation and curing process from water and debris contamination and resin migration.
- (2) A winch should be used to pull the glass fiber liner into position in the pipe. The pulling speed shall not exceed 15ft/min. The liner shall have a lateral fiberglass reinforcement band which runs the entire length of the liner ensuring that the pulling force is transferred to the band and not the fiberglass liner. Once inserted, end plugs shall be used to cap each end of the glass fiber liner to prepare for pressurizing the liner. As with all CIPP products liner restraints should be used in manholes.
- (3) A slip sheet shall be installed on the bottom one third to one half of the pipe prior to liner insertion, for the purpose of protecting the liner during insertion and reduce the drag, or as recommended by the liner manufacture.
- (4) The glass fiber liner shall be cured with UV light sources at a constant inner pressure. When inserting the curing equipment in the liner, care should be taken to not damage the inner film material.
- (5) The UV light sources should be assembled according to the manufacture's specification for the liner diameter. For the liner to achieve the required water tightness and specified mechanical properties, the following parameters must be controlled during the entire curing process, giving the Engineer a record of the curing parameters over every segment of the entire length of the liner. This demonstrates that the liner is cured properly. The recording will include:
 1. Curing Speed
 2. Light Source and Wattage
 3. Inner Air Pressure
 4. Curing Temperatures
 5. Date and Time
 6. Length of Liner

This will be accomplished using a computer and data base that are tamper proof. During the curing process, infrared sensors will be used to record curing data that will be submitted to the Engineer with a post CCTV inspection on the portable hard drive.

- (6) The optimal curing speed, or travel speed of the energized UV light sources, is determined for each length of liner based on internal diameter, liner thickness, and exothermic reaction temperatures.
 - (7) The inner film material should be removed and discarded after curing to provide optimal quality of the final product.
- B. The liner pipe shall be continuous, without joints over the entire length of the pipe. The liner shall be free of all visual and material defects, including but not limited to foreign inclusions, dry spots, pinholes, and delaminations. The surface shall be smooth and free of waviness throughout the pipe.
- C. **The Contractor should take extra care during the curing process to prevent damage/blistering of the new CIPP liner caused by overcooking/heating the existing PVC Truss Pipe. Defects caused by improper curing will be the responsibility of the contractor and may include relining sections of pipe and/or full removal and replacement of a given CIPP liner at the cost of the Contractor.**

- D. Any defects that will affect the structural integrity or hydraulic capacity of the reconstructed pipe shall be repaired or the liner shall be replaced at the Contractor's expense, including large radial or longitudinal wrinkles that occur in such a size as to reduce the thickness or nominal diameter of the finished CIPP product.
- E. Hydrophilic end seals are required to seal the ends of each CIPP liner as it connects to the manhole. These seals will be installed prior to CIPP to prevent water tracking between the CIPP product and the existing host pipe.

3.4 REINSTATEMENT OF SEWER SERVICE LATERALS

- A. The Contractor shall certify possession of a minimum of two complete working cutter units plus spare key components on the site before each inversion.
- B. Prior to installing the sewer liner (during the television process), the Contractor shall locate, dye-test and record the location of all sewer lateral connections that are in question. The Contractor shall immediately submit this information to the Owner. The Owner will then determine which, if any, sewer services are to be abandoned. Those services designated to be abandoned will not be reinstated.
- C. After the sewer lining is complete, the Contractor shall re-establish all service connections except those designated by the Owner to be abandoned. This shall be done without excavation from the interior of the pipe by means of a television camera and a remotely controlled cutting device.
 - 1. If the Contractor is unable to re-establish the service connection from inside the pipe and excavation is necessary, no additional payment will be made for excavations for the purpose of reopening connections and the Contractor will be responsible for all costs and liability associated with such excavation and restoration work.
 - 2. Reestablished service connections shall be clean and smooth, free of jagged edges and conform as closely as possible to the dimension of the existing service.
 - 3. Brush style cutters or similar device will be required to ensure that the laterals are smooth for potential CIPP lateral lining.
- D. The sewer main shall be lined prior to lining service laterals, unless approved otherwise by the Engineer.

3.5 INSPECTION

- A. CIPP samples shall be prepared and tested in accordance with ASTM F1216, Section 8.1 using either method proposed.
- B. Leakage testing of the CIPP shall be accomplished during cure while under a positive head. CIPP products in which the pipe wall is cured while not in direct contact with the pressurizing fluid (e.g., a removable bladder) must be tested by an alternative method approved by the Owner.
- C. Visual observation of the CIPP shall be in accordance with ASTM F1216, Section 8.4.

3.6 CLEAN-UP

- A. Upon acceptance of the installation work and testing, the Contractor shall clean-up the project area affected by the operations.

******END OF SECTION******

SECTION 02537 - MANHOLE & CATCH BASIN REHABILITATION

PART 1 -- GENERAL

1.1 SUMMARY

- A. This section covers additional requirements to the City specification section for Cementitious Manhole Lining (Table of Contents Code CML) for the furnishing of all labor, materials, tools, equipment and performances of all work and services necessary to rehabilitate a manhole or catch basin as indicated on the drawings or as specified herein.
- B. The manholes to be rehabilitated are illustrated in the plans. The type of rehabilitation needed will be itemized in the schedule attached to the plans.

1.2 METHOD AND MEASUREMENT OF PAYMENT

- A. Measurement and compensation for the following items shall be paid according to the referenced specification or as modified below:
 - 1. Payment for MANHOLE REHABILITATION shall be paid per Vertical Foot (VF) measured from the top of the bench to the casting and/or start of adjustment rings and shall include cost fully rehabilitating the sanitary sewer manhole with an approved product. This also includes any manhole preparation work that is required to satisfactory rehabilitate the structure.
 - 2. Payment for INTERNAL CHIMNEY SEAL shall be paid for per Each (EA) and shall include the cost to install an internal chimney seal needed to effectively eliminate infiltration to the chimney portion of the manhole structure. The material used to line the structure shall stop at the base of the frame. Lining material shall not be coated over the cast-iron frame itself.

1.3 SPECIFICATION REFERENCE

- A. SUDAS Specifications Division 6 Section 6020 shall apply to catch basin and manhole rehabilitation, except as modified herein.
- B. Unless noted otherwise, the provisions in this section are in addition to the referenced specification.

PART 2 -- PRODUCT

2.1 APPROVED PRODUCTS:

- A. The required MANHOLE REHABILITATION Product shall be Quadex Geokrete Geopolymer or Engineer approved equal.
 - 1. The Geopolymer product must exceed the following properties:
 - (a) Minimum Compressive Strength @ 28 Days: 8,000 psi
 - (b) Minimum Split Tensile Strength @ 28 Days: 900 psi
 - (c) Minimum Flexural Strength @ 28 Days: 800 psi
 - (d) Shrinkage @ 28 Days: 0.02% max
 - (e) Minimum Bond @ 28 Days: 3,000 psi

- (f) Freeze/Thaw: No visible damage after 300 cycles
 - (g) Chemical Resistance: 0% Max mass loss in 12-week sulfuric acid immersion.
- B. The required INTERNAL CHIMNEY SEAL Product shall be Flex-Seal manufactured by Sealing Systems Inc or Engineer approved equal.
 - 1. The Internal Chimney Seal must have or exceed the following properties:
 - (a) Minimum applied thickness 150 mils thick.
 - (b) Minimum elongation of 800%.
 - (c) Minimum hardness (durometer) of 75.
 - (d) Minimum Tensile-Strength of 1,150 psi.
 - (e) Minimum Adhesion Strength of 175 lb. l/in.

PART 3 -- EXECUTION

3.1 CONSTRUCTION REQUIREMENTS

A. General

- 1. The Contractor, approved and trained by the manufacturer shall furnish all labor, equipment and materials for supplying a cementitious/Quadex mix with machinery specially designed for the application. The following work requirements shall be considered incidental to the "MANHOLE REHABILITATION" bid item. All aspects of the installation shall be in accordance with the manufacturer's recommendations and with the following specifications which include:
 - (a) The elimination of active infiltration prior to making the application.
 - (b) The removal of any loose and unsound material and cleaning of the interior of the manhole with high pressure water (minimum 3500 psi). Wire brushing and/or sand blasting may be required.
 - (c) Patching of manhole walls or sewer structures if needed, shall be required in areas where large voids exist, such as mortar missing between bricks, around step frames, pipes and spalled concrete. All loose or cracked and corroded material shall be removed from the area to be patched, exposing a sound substrate. Patching material shall be allowed to cure before applying waterproof coating.
 - (d) The repair and sealing of the invert and benches.
 - (e) The application of a cementitious/Quadex mix to restore a structural/structurally enhanced manhole.
- 2. The clear opening at the top of the cone shall not be less than 26-inches.
- 3. Remove all manhole steps prior to installation of rehabilitation product.
- 4. **The minimum applied thickness of the cementitious rehab product shall be no less than 1-inch in all areas.**
- 5. INTERNAL CHIMNEY SEAL Product shall be applied AFTER any Cementitious Rehab product is applied to the manhole structure walls.

B. Temporary Service Measures

1. It will be necessary to maintain service during the construction period. Before proceeding with the project, the Contractor shall establish a work plan and submit the plan to the City Staff and Engineer for review and comment. The plan shall outline the method to be used to maintain service to the affected consumers. Failure to maintain sewer service could result in direct damage claims as well as consequential damage claims against the Contractor. The Contractor is the sole party responsible to notify the City and consumers who may be affected by the interruption of service.
2. If needed, the Contractor shall furnish, install and maintain equipment to bypass and control the sewage (sanitary and storm sewer) flow around the construction zone. Failure to operate and maintain the bypass equipment could result indirect damage claims as well as consequential damage claims to the Contractor.

C. Preparation work

1. If flow is maintained through the manhole during the construction period, place covers over the invert to prevent extraneous material from entering the sewer. If excessive quantities of debris enter the sewer, it shall be the responsibility of the Contractor to clean the sewer at its own expense.
2. All foreign material shall be removed from the manhole wall and bench using a high-pressure water spray (minimum 1200 psi) or sand blasting. Loose and protruding brick, mortar, and concrete shall be removed using a mason's hammer and chisel and/or scraper. Fill any large voids with quick setting patching mix. The surface to be repaired must be clean and free of any loose materials with walls totally saturated with water.

D. Construction Work

1. Infiltration Repair and Grouting
 - (a) Infiltration sealing shall be performed during high ground water conditions to ensure that all leakage is identified, if possible. Some leaks may require weep holes to localize the infiltration during the application after which the weep holes shall be plugged with the quick setting infiltration control mix prior to the final surface application
 - (b) Minor leaks shall be stopped using quick setting specially formulated infiltration control mixes and shall be mixed and applied per manufacturer's recommendations.
 - (c) If chemical grouting is to be used, holes shall be carefully drilled from within the structure and shall extend completely through the wall. The grout shall be pumped through the manhole wall until no more movement of grout is evident in either the drilled holes or the locations of leaks. The process shall be repeated until the structure is completely sealed. All manufacturer's recommendations shall be followed including pot life of the grout and insertion pressure.
2. Invert Repair
 - (a) After all preparation has been completed, removed all loose material and wash the wall again.
 - (b) Any bench, invert, or service line repairs shall be made at this time using the quick setting patching mix and shall be used per manufacturer's recommendations.
 - (c) Invert repair shall be performed on all inverts with visible damage or infiltration. After blocking flow through the manhole, and thoroughly cleaning invert, the quick setting patch mix shall be applied to the invert in an expeditious manner. The mix shall be

troweled uniformly onto the damaged invert extending out onto the base of the manhole sufficiently to tie into the walls. The finished invert surfaces shall be smooth and free of ridges. The flow may be re-established in the manhole within 30 minutes after placement of the mix.

- (d) The invert shall be channeled to a depth equal to the diameter of the downstream pipe in a manner to maintain velocity and direct the flow from the upstream pipes to the downstream.

3. Bench Repair

- (a) The bench shall be graded with a gradual slope of no less than 1/2-inch toward the invert. The wall bench intersection shall be rounded to a uniform radius the full circumference of the intersection.

*****END OF SECTION*****

SECTION 02997 - SANITARY SEWER TELEVISION, CLEANING AND INSPECTION

PART 1 -- GENERAL

1.1 SUMMARY

- A. Section includes sanitary sewer cleaning, televising and inspection of pipe, fittings, and miscellaneous appurtenances.

1.2 METHOD OF MEASUREMENT AND PAYMENT

- A. Payment for all labor, equipment, materials, and supplies necessary to complete the work specified in this section shall be incidental to the unit price bid by linear foot (LF) for CIPP.
- B. The furnishing and installing of specific items and/or the performance of work under certain circumstances will not be individually paid in the absence of a specific bid item for the work. All costs will be included in the unit price for CIPP. Such items of work include but are not limited to:
 - 1. Bypass pumping (as needed)
 - 2. Notices to the impacted property owners
 - 3. Traffic control
 - 4. Disposal fees
 - 5. Removal of roots and debris
 - 6. Any heavy cleaning processes or equipment needed to remove pipe deposits

1.3 SUBMITTALS

- A. All submittals are to be provided in digital format via email, USB Flash Drive, or other method approved by the Engineer.
- B. A sanitary sewer bypass pumping plan and traffic control plan shall be submitted to the Engineer for review a minimum 5 working days prior to beginning of work.
- C. The Contractor shall provide submittals within 10 working days of completion of the televising.
- D. Acceptable File Formats
 - 1. Video: MP4 or WAV with both audio and video
 - 2. Reports: Searchable PDF
 - 3. Images: JPG
- E. File Naming
 - 1. The Contractor will be provided with a map showing manhole and pipe identification numbers.
 - 2. All files shall be named with a number matching the pipe identification number.
- F. A summary report shall be provided with the submittals. The summary shall include a table showing the following information:
 - 1. Owner's pipe identification number.
 - 2. Date of televising.
 - 3. Starting manhole number.
 - 4. Ending manhole number.
 - 5. File names for video, report, and images associated with each section of pipe

PART 2 -- PRODUCTS

2.1 NOT USED.

PART 3 -- EXECUTION

3.1 NOTIFICATIONS TO PROPERTY OWNERS

A. The Owner shall coordinate and distribute any required public notices.

3.2 EXAMINATION

A. Commence televising only when pipe and structures are clean and free of dirt or other foreign matter.

3.3 SANITARY SEWER TELEVISION

A. General

1. Televising will be performed on all gravity/pressure utility lines that are planned for rehabilitation and shown in the plans and specifications.
2. Televising is required both prior to liner installation and again after the CIPP process has been completed.
3. Televising shall be performed by experienced personnel trained in locating breaks, obstacles, and service connections.
4. All televising video shall be in color. Each individual reach of pipe between manholes shall be identified as a chapter on the video or a separate file.
5. Post-lining televising shall carefully inspect the interior of the pipeline to identify any conditions which may indicate improper installation.
6. A USB Flash Drive and suitable log shall be kept of all televising and submitted to the owner.
7. Camera – The camera will be a self-propelled unit providing color video with the ability to tilt up and down and pan left to right. The camera lens will be capable of turning and looking up each wye or service tap to a minimum distance of the first fitting of the service pipe. The camera is to provide color video and still photographs of any defect.
8. Rate – The televising will be conducted at a rate not to exceed 30.0-feet per minute.

B. Line Requirements

1. All lines will be jetted and vacuumed so that all debris has been removed prior to televising.
2. A small quantity of water is to be introduced into the line prior to televising. Amount will be determined by the Engineer and coordinated with the Owner's Water and Sewer Department. The amount of water will be sufficient enough to distinguish any sags or alignment problems with the pipe.
3. Each run will consist of a starting and ending MH-#, line size, and a zero reading on the counter at center of the starting manhole.
4. Each service wye will be examined using the pan and tilt feature.
5. The video camera operator will type into the video:
 - (a) The station (distance)
 - (b) Wye location on either the top, left, or right side of the pipe
 - (c) Any visible defects that are apparent while televising the sewer lines. Examples of defects include offset joints, leaking joints, sags, cracked pipe, etc.

C. Manhole Requirements

1. Examine upstream and down doghouses for water tightness.
2. Examine all joints to confirm watertight quality of gaskets and seals.
3. While at the bottom of the manhole, the camera will examine for infiltration as close to the manhole rim as feasible and around the entire manhole circumference.
4. Examine vertical outside drops.

D. Report Requirements

1. A technician will observe the monitoring apparatus at all times during the televising and record the data per NASSCO standards.
2. Note locations, length and depth of any sag in the pipe (indicate any depths greater than ½-inch).
3. Note locations, length and depth of any areas of dirt or debris in the pipe (indicate any depths greater than ½-inch).
4. Note all defective or substandard areas identified during the inspection.
5. Record distance from center of manhole to center of manhole.
6. Note each change in pipe material, including station.
7. Note each wye or service tap location with station and orientation (Example: wye right, 3 o'clock).
8. Note direction of flow using cardinal/ordinal directions.
9. Include color photos/images of defects in the written report.

E. Review

1. All television reports and videos will be reviewed after the submittal is received.

3.4 SANITARY SEWER CLEANING

A. Cleaning Equipment

1. Hydraulically propelled equipment.
 - (a) Equipment will be of a movable dam type and be constructed in such a way that a portion of the dam may be collapse at any time during the cleaning operations to protect against flooding of the sewer.
 - (b) The movable dam will be equal in diameter to the pipe being cleaned and will provide a flexible scraper around the outer periphery to insure removal of grease.
 - (c) If sewer cleaning balls or other equipment which cannot be collapsed is used, special precautions to prevent flooding of the sewers and public or private property will be taken.
2. High-Velocity Jet (Hydro cleaning) Equipment.
 - (a) All high-velocity sewer cleaning equipment will be constructed for ease and safety of operation.
 - (b) The equipment will have a selection of 2 or more high-velocity nozzles.
 - (c) The nozzles will be capable of producing a scouring action from 15 to 45 degrees in all size lines designated to be cleaned.
 - (d) Equipment will include a high-velocity gun for washing and scouring manhole walls and floor.
 - (e) The gun will be capable of producing flows from a fin spray to a solid stream.
 - (f) The equipment will carry its own water tank, auxiliary engines, pumps and hydraulically driven hose reel.

3. Mechanically Powered Equipment.
 - (a) Bucket machines will be in pairs with sufficient power to perform the work in an efficient manner.
 - (b) Machines will be belt operated or have an overload device.
 - (c) Machines with direct drive that could cause damage to the pipe are not permitted.
 - (d) A power rodding machine will be either a sectional or continuous rod type capable of holding a minimum of 750.0-feet of rod.
 - (e) The rod will be specifically heat-treated steel.
 - (f) The machine will be fully enclosed and have an automatic safety clutch or relief valve.
- B. Cleaning Precautions
 1. During sewer cleaning operations, satisfactory precautions will be taken in the use of cleaning equipment.
 2. When hydraulically propelled cleaning tools or tools which retard the flow in the sewer lines are used, precautions will be taken to ensure that the water pressure created does not damage or cause flooding of public or private property being served by the sewer. Contractor will be fully responsible for any property damage caused by the cleaning operations.
 3. When possible, the flow of sewage will be utilized to provide the necessary pressure for hydraulic cleaning devised.
 4. When additional water from fire hydrants is necessary to avoid a delay in normal work procedures, the water will be conserved and not used unnecessarily.
 5. No fire hydrant will be obstructed in case of a fire in the area served by the hydrant.
- C. Sewer Cleaning
 1. The cleaning of the sewer lines will begin upstream and work downstream.
 2. The sewer manhole sections will be cleaned using hydraulically propelled, high-velocity jet or mechanically powered equipment. Selection of the equipment will be based on the conditions of lines at the time the work commences.
 3. The equipment will be capable of removing dirt, grease, rocks, sand and other materials and obstructions from the sewer lines and manholes.
 4. If cleaning of an entire section cannot be successfully performed from one manhole, the equipment will be set up on the other manhole and cleaning will be attempted again.
 5. There shall be no additional compensation for cleaning processes that require heavy cleaning or additional cleaning equipment to remove deposits from the pipeline.
 6. If successful cleaning from both manholes cannot be completed, Contractor will contact the Engineer.
- D. Root Removal
 1. Roots will be removed completely where root intrusion is a problem.
 2. Any roots which could inhibit the proposed construction will be removed.
 3. There will be no additional compensation for removing roots as part of this cleaning and televising process.
- E. Material Removal
 1. All sludge, dirt, sand, rocks, grease and other solids or semisolid material resulting from cleaning operations will be removed at the downstream manhole of the section being cleaned.
 2. Passing material from manhole section to manhole section, which could cause line stoppages, accumulation of sand in wet wells, or damage to pumping equipment, will not be permitted.

F. Disposal of Material

1. All solids or semisolids resulting from the cleaning operations will be removed from the site and disposed of at a site secured by Contractor.
2. All materials will be removed from the site no less often than at the end of each workday. Under no circumstances will Contractor be allowed to accumulate debris on the site of work.

G. Final Acceptance

1. Acceptance of sewer line cleaning will be made up on successful completion of the television inspection and will be to the satisfaction of the Owner.
2. If television inspection shows the cleaning to be unsatisfactory, resulting in debris being left inside or attached to the pipeline, the Contractor will be required to re-clean and re-televise the sewer line until cleaning is shown to be satisfactory and all deposits are removed from the pipeline.

3.5 SEWER FLOW CONTROL

A. When sewer line depth of flow at the upstream manhole of the manhole section being worked in is above the maximum allowable for television inspection, the flow will be reduced to the level shown below by operation of pump stations, plugging or blocking of the flow or by pumping and bypassing of the flow as specified.

B. Plugging or Blocking

1. Perform bypass pumping as needed to complete the work.
2. A sewer line plug will be inserted into the line upstream of the section being worked.
3. The plug will be designed so that all or any portion of the sewage can be released in accordance with Engineer approved criteria.
4. During television inspection, flow will be reduced within the specified limits.
5. After the work has been completed, flow will be restored.

C. Pumping and Bypassing

1. When pumping and bypassing is required, Contractor will supply the pumps, conduits and other equipment to divert the flow of sewage around the manhole section in which work is being performed.
2. The bypass pump system will be of sufficient capacity to handle existing peak flow.
3. Contractor will be responsible for furnishing the necessary labor and supervision to set up and operate the pumping and bypass pumping system. If pumping is required on a 24-hour basis, engines will be equipped in a manor to reduce noise to a minimum.

D. Flow Control Precautions

1. When flow in a sewer line is plugged, blocked or bypasses, sufficient precautions must be taken to protect the sewer lines from damage that might result from surcharging.
2. Precautions must be taken to ensure that sewer flow control operations do not cause flooding or damage to public or private property be served by the sewers involved.

END OF SECTION

APPENDICES

360 Manhole Photos: [View Photos](#)



Sanitary Sewer Lining

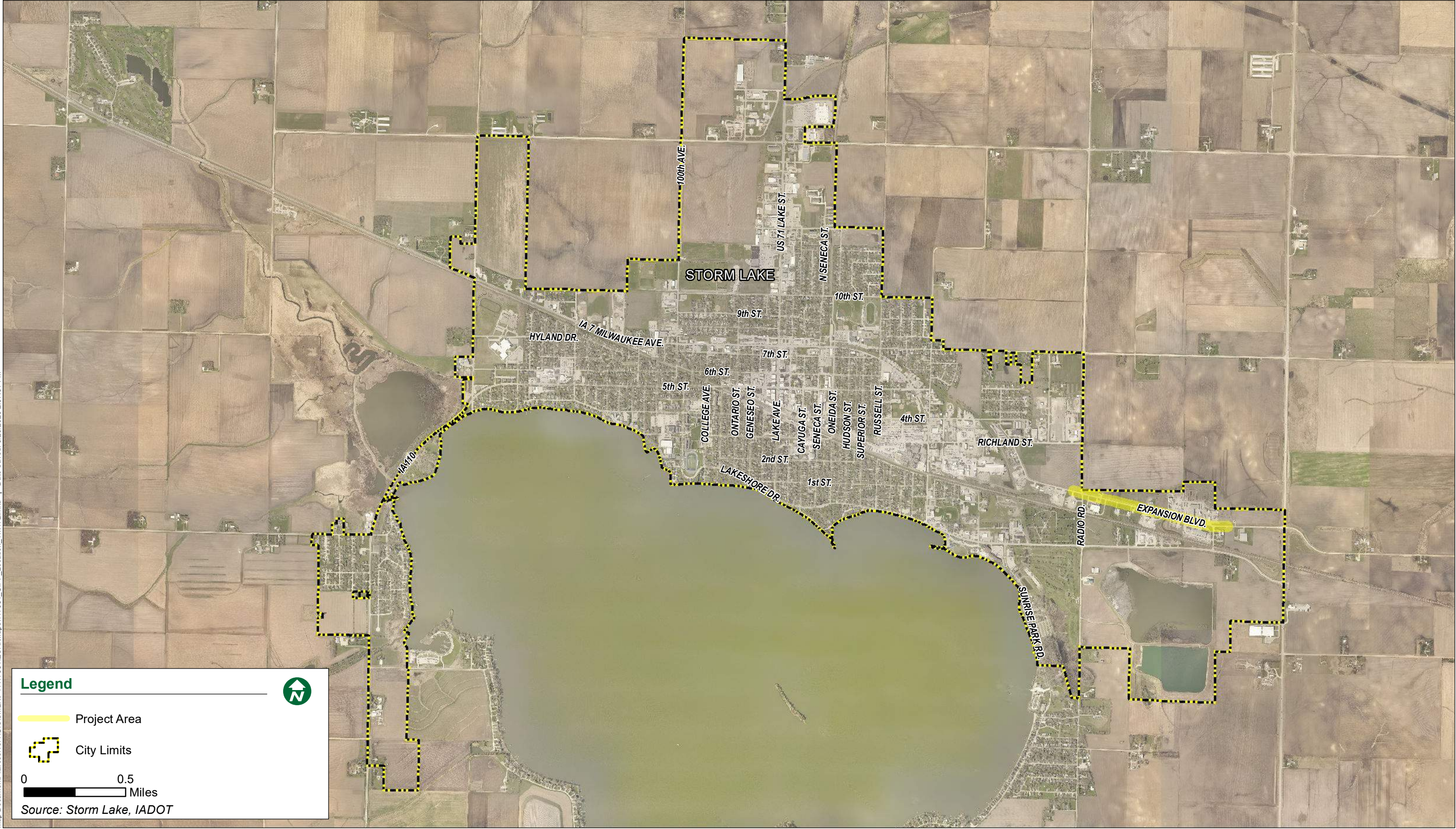
Storm Lake, Iowa

Project Location

April 2020



Real People. Real Solutions.



Map Document: \arcserver1\GIS\SLMLKP11117954\ESRI\Maps117954_CIPP_Location_11x17L.mxd | Date Saved: 3/23/2020 2:57:51 PM



Sanitary Sewer Lining

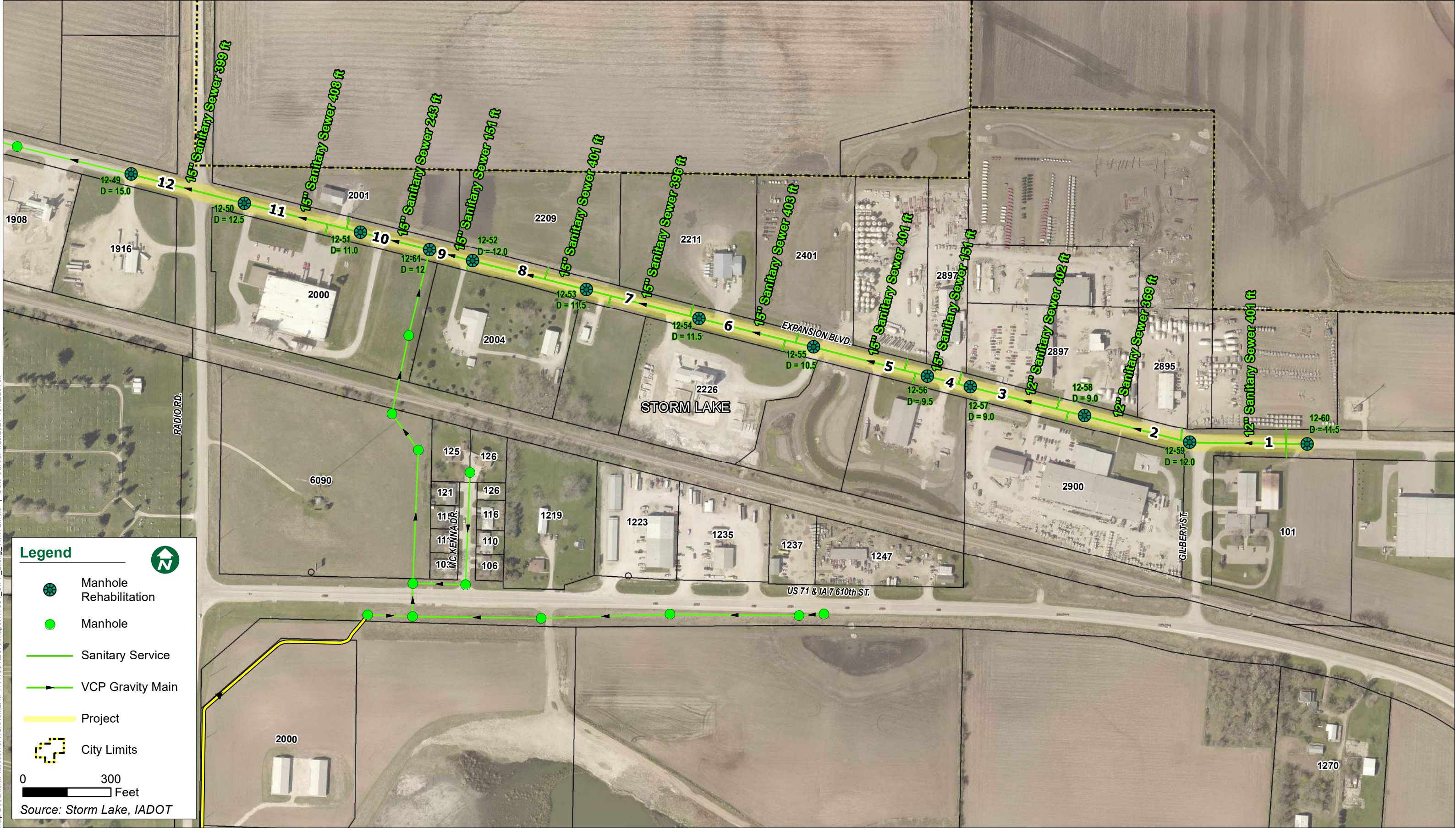
Storm Lake, Iowa

Project Location

April 2020



Real People. Real Solutions.



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CIPP Breakdown: Segmental Pipe Table

Pipe Number	Pipe Size	Material	Upstream Manhole	Upstream Manhole Depth	Downstream Manhole	Downstream Manhole Depth	Length	Laterals
1	12	Clay	12-60	11.5	12-59	12	401	2
2	12	Clay	12-59	12	12-58	9	369	1
3	12	Clay	12-58	9	12-57	9	402	2
4	15	Clay	12-57	9	12-56	9.5	151	1
5	15	Clay	12-56	9.5	12-55	10.5	401	2
6	15	Clay	12-55	10.5	12-54	11.5	403	2
7	15	Clay	12-54	11.5	12-53	11.5	396	2
8	15	Clay	12-53	11.5	12-52	12	401	1
9	15	Clay	12-52	12	12-61	12	151	1
10	15	Clay	12-61	12	12-51	11	243	0
11	15	Clay	12-51	11	12-50	12.5	408	2
12	15	Clay	12-50	12.5	12-49	15	399	0

Total 12"	1172
Total 15"	2952
Total Project	4124
Total Services	16

MH REHAB	147
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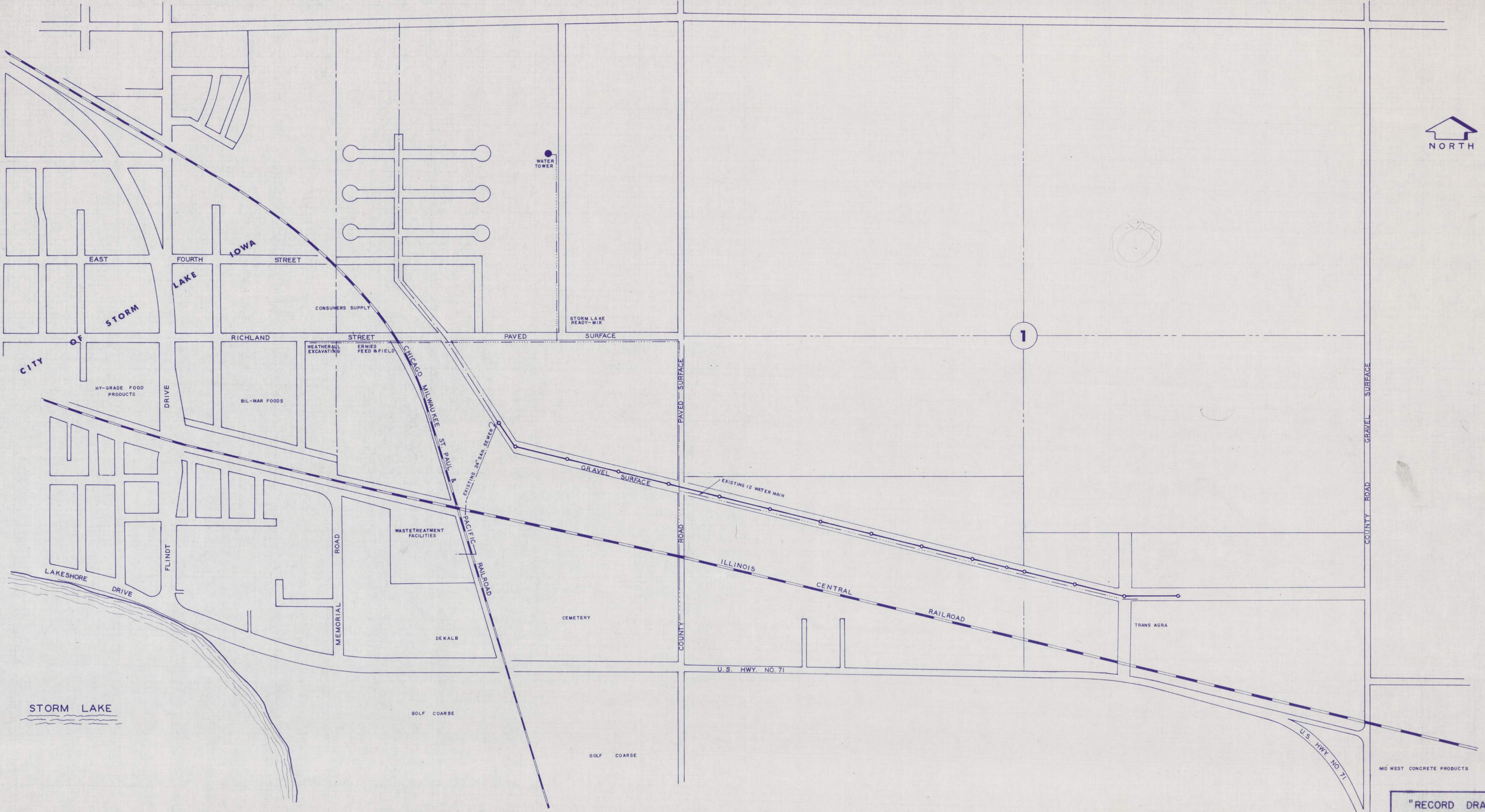
Industrial Park Sanitary Sewer Extension Storm Lake, Iowa 1978

I hereby certify that this plan was prepared by me or under
my direct personal supervision and that I am a duly registered
Professional Engineer under the laws of the state of Iowa.

Neal R. Kuehl
Date June 16, 1978 Reg. no. 5704

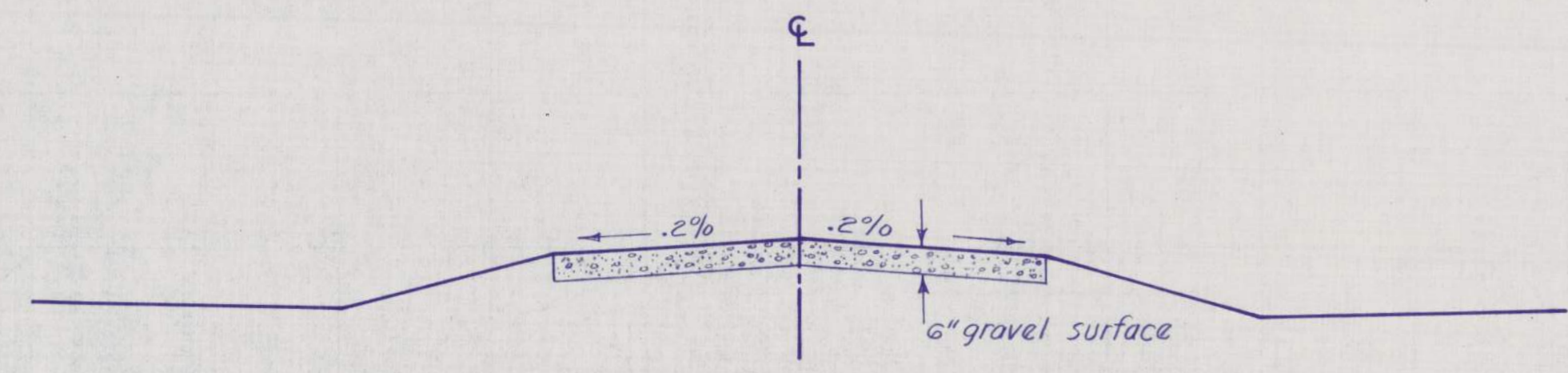
"RECORD DRAWING"
BASED ON DATA FROM CONTRACTOR
DATE 6-3-78 BY SEB

	OTTO & CULVER		DESIGNED: <u>N.R.K.</u>	DATE: <u>3-15-78</u>
	a Professional Corporation		DRAWN: <u>E.Z.</u>	SCALE:
	Engineers	Architects	CHECKED: <u>N.R.K.</u>	
	Land Surveyors	APPROVED: <u>N.R.K.</u>		
DWG. NO. 770141			REV. NO.	
TITLE SHEET				



"RECORD DRAWING"
BASED ON DATA FROM CONTRACTOR
DATE 12-11-78 BY EEA

NOTE:
Road cross section is typical of existing cross section. Contractor shall compact backfill to 90% of Standard Proctor density and shall regrade road to typical cross section shape. Sand backfill is not required on this project. In place materials may be used provided they meet the conditions of specification Section 02221 paragraph 2.02 A.



TYPICAL ROAD CROSS SECTION

REV. NO.	DATE	BY	CHK.	DESCRIPTION	
REVISIONS:					
INDUSTRIAL PARK SANITARY SEWER EXTENSION STORM LAKE, IOWA					
 OTTO & CULVER a Professional Corporation Engineers Architects Land Surveyors				DESIGNED: <u>NRK</u>	DATE: 3-15-78
				DRAWN: <u>EZ</u>	SCALE: 1" = 400'
				CHECKED: <u>NRK</u>	
				APPROVED: <u>NRK</u>	
LOCATION				PLAT	DWG. NO. 770141-2
REV. NO.					

570
4E

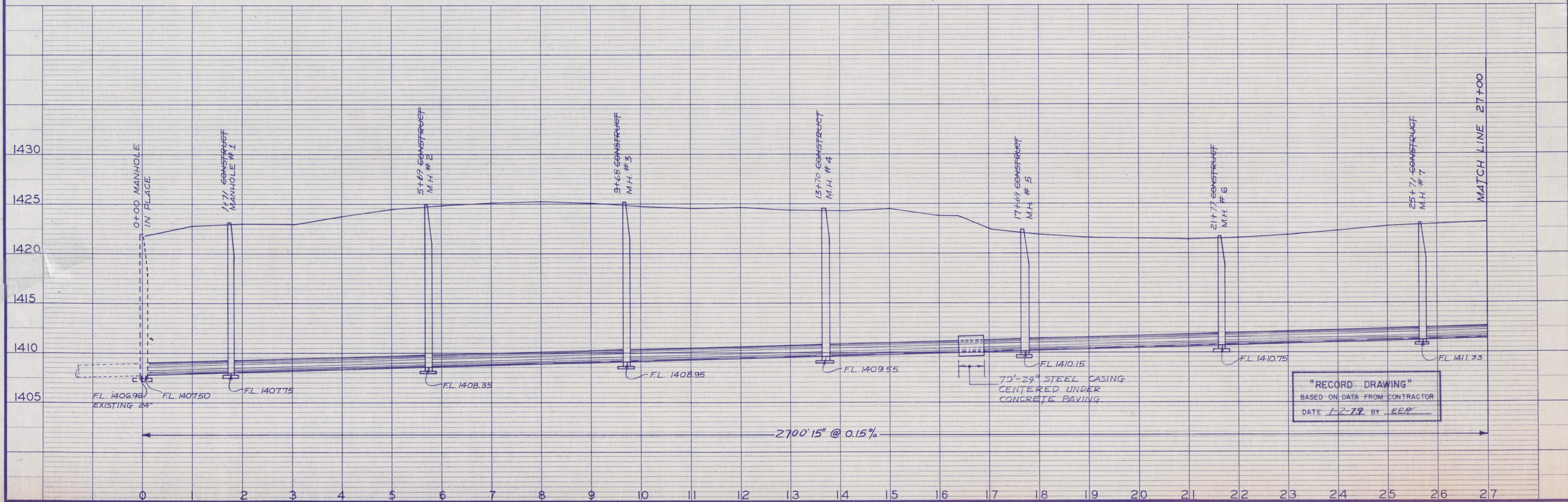
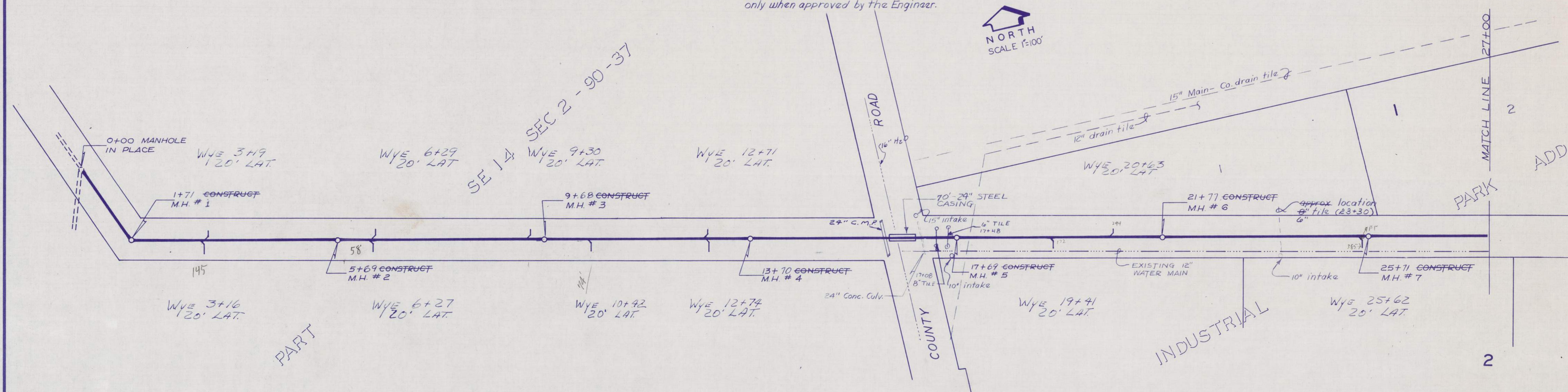
Construct Sanitary Sewer in
Accordance With Standard
Specifications Of Otto
Engineering Co., P.C.

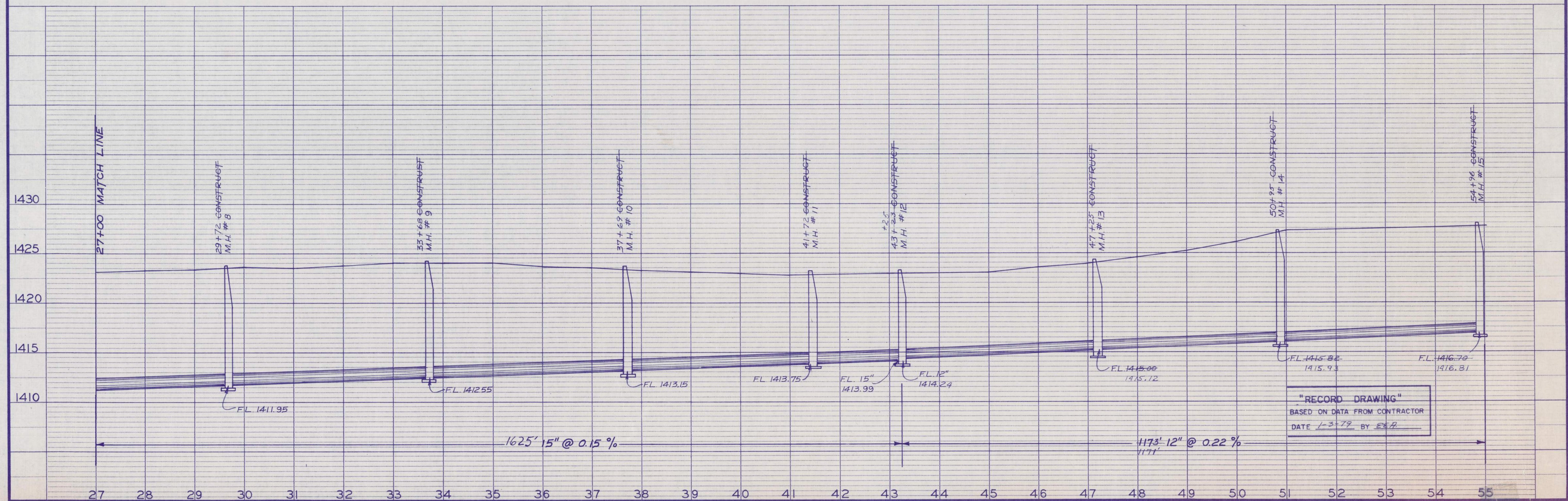
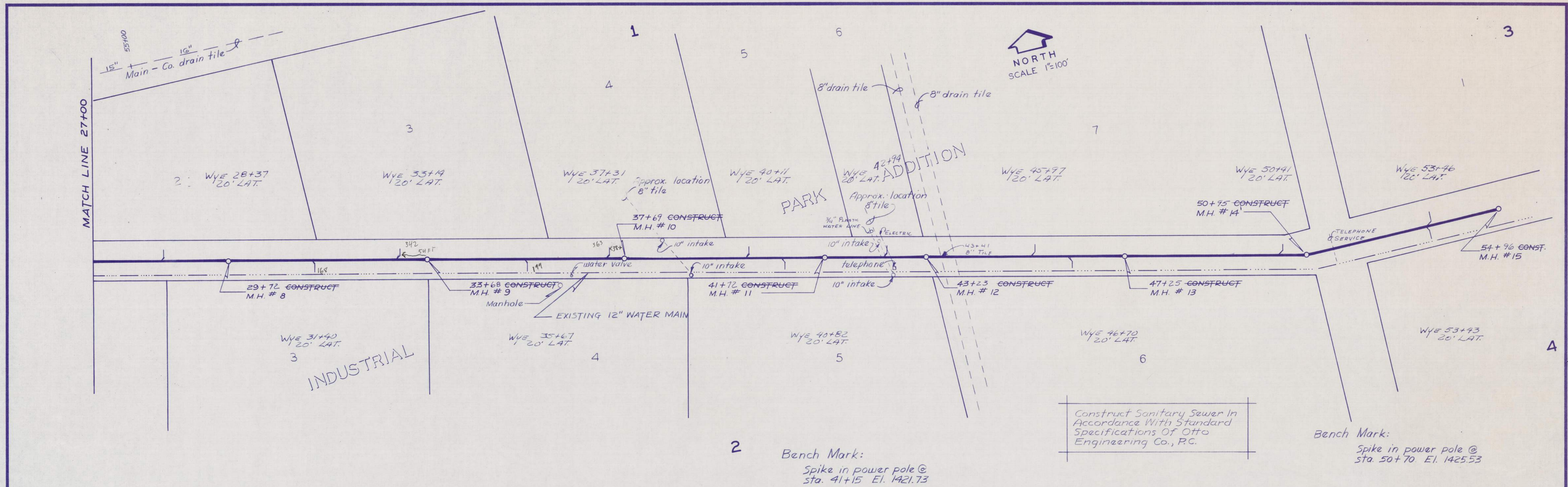
NOTE:

1. See specification Section 02221 for contractors responsibilities concerning drain tile.
2. Gravel surfacing material ~~shall be salvaged and reused by contractor.~~ Additional material shall be used only when approved by the Engineer.

BENCH MARK:
NORTHEAST BOLT ON FIRE HYDRANT
125' RIGHT OF STATION 1G+00
ELEV. 1421.86

SPIKE IN POWER POLE 40' RIGHT
OF STATION 41+15
ELEV. 1421.73





Staff Summary

2/15/2021

Agenda Item # 11.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: Keri Navratil, City Manager

SUBJECT: **General Fund Operations and Maintenance Budget Work Session**

BACKGROUND: Fiscal Year 2021-2022 Operations and Maintenance Budgets will be presented to City Council.

FISCAL IMPACT:

RECOMMENDATION: Review budgets and make recommendations

ATTACHMENTS:

Description	Type
▣ General Fund	Financial Report
▣ Golf Course	Financial Report
▣ King's Pointe	Financial Report
▣ RUT Fund	Financial Report
▣ Special Levies & Revenues	Financial Report
▣ Outside Agency Funding	Financial Report

GENERAL FUND

The General Fund is the primary ledger accounts that record all assets and liabilities of the City which are not assigned to a special purpose. The primary divisions of the General Fund include: Public Safety, Code Enforcement, Airport, Library, Parks, Campground, Golf Course, Economic Development, Finance, Administration, Cottages, Marina, and Outdoor Water Park.

REVENUES

Revenues for the General Fund are based on taxable valuations determined by the County Assessor. Below is the past and proposed levy rate for City of Storm Lake (General Fund Capped at \$8.10):

FY2018-	\$14.27164
FY2019-	\$14.06449
FY2020-	\$13.84485
FY2021	\$13.77301
FY2022 Proposed-	\$13.73919

The General Fund is operating in good financial health, exceeding the Council desired 40% fund balance with an estimated balance of \$5,072,368. \$2,259,090 of this balance is due to project carry-over and will be expensed in FY2022.

General Fund Balance:	
FY2019	\$2,560,432
FY2020	\$4,231,501
FY2021*	\$5,072,368
FY2022*	\$4,195,304

*Estimated

Total Estimated revenues are projected to be \$5,412,507

FISCAL YEAR 2021-2022 BUDGET

Insurance rates are expected to increase by 10% for general property insurance, worker's comp insurance, and liability insurance. Adjustments have been appropriately made for chemicals, cell phones, electric and gas services, and software subscription costs.

Public Safety:

Police Department:

Revenues: \$51,500

Payroll: With Council Request- \$1,805,150

Council Supplemental Request- Implement a Reserve Program-

Training of 5 Reserves	\$72,495 (\$14,499 each)
Liability Insurance & Work Comp	\$38,500 (Recurring)
Retirement (IPERS)	\$ 6,500 (Recurring)
Additional Payroll	\$70,200 (Recurring)

Operating Expense: \$343,897

Supplemental- \$2,000 Pigeon Control (Animal Care), \$4,500 Water Bottle Fill Station, \$1,500 Iowa System License, \$33,000 Lexipole Services- SOG Updates,

\$3,900 Flashlights, \$6,000 Radios, \$3,300 Radar, \$4,000 Body Wire , \$1,000
Pepperbell Gun , \$2,000 Rifle Plates

Fire Department:

Revenues- \$75,000

Payroll- \$311,465

Operating Expenses- \$67,282

\$5,700 Bunker Gear Rotation, \$1,750 Air Compressor for Fire Truck, \$3,000

Blinds, \$1,375 Mechanics Tool Box.

Emergency Management:

Operating Expenses- \$7,180

Code Enforcement:

Revenues- \$60,200

Payroll- \$50,703

Operating Expenses- \$27,748

Airport:

Revenues- \$357,000

Operating Expenses- \$361,233

Library:

Revenues- \$31,477

Payroll- \$169,671

Operating Expenses- \$120,137

Supplemental- \$10,000 for Additional Library Materials, \$10,000 Electrical

Upgrades, \$2,000 for increased supply cost

Municipal Band:

Operating Expenses- \$8,000

Parks:

Revenues- \$15,695

Payroll- \$242,972

Operating Expenses- \$118,217

Supplemental- \$4,600 Gutters with Covers and \$2,000 Snow Rails for
Chautauqua Shelter House

Campground:

Revenues- \$195,000

Payroll- \$28,550

Operating Expenses- \$71,997

Supplemental- \$5,000 Rock, \$4,000 Fire Rings, \$10,000 Picnic Tables

Capital- \$40,000

Golf Course:

Revenues- \$196,373

Payroll- \$52,150

Operating Expenses- \$186,239

Supplemental- \$3,600 Broom for Greens, \$1,300 Hover Mower (Split with Parks)

Economic Development:

Payroll- \$58,752

Operating Expenses- \$207,147

\$20,000- Additional Outside Agency Funding

\$20,000- Land Option

\$79,200- Kaleidoscope Agreement

Mayor & City Council:

Payroll- \$44,271

Property Taxes:

Revenues- \$2,784,634

Franchise Fees:

Revenues- \$915,000

Administration:

Revenues- \$340,500

Payroll- \$121,732

Operating Expenses- \$391,572

Cottages:

Revenues- \$133,866

Operating Expenses- \$82,304

Marina:

Revenues- \$56,000

Operating Expenses- \$70,000

Outdoor Water Park:

Revenues- \$306,870

Operating Expenses- \$299,910

BUDGET OVERVIEW

Total Revenues- \$5,519,115

Expenses- \$6,396,179

Personnel- \$2,885,416 45% of the total expenses

Operations/Maintenance- \$2,426,763 38%

Capital Expenditures- \$1,084,000 17%

***Note: Transfers between funding sources are not included to get a clear picture of revenue vs expenses per division. Transfers were approved during the CIP process.

SUNRISE POINTE GOLF COURSE

Though the course has been redesigned and changed names since inception in 1917, Storm Lake has been the home to a municipal golf course for over 100 years. This 9-hole golf course is located adjacent to King's Pointe Resort and Pirate's Pointe Miniature Golf. The senior citizens call the club house their senior center and offers the community another event location.

The golf course maintenance crew consists of 1 full time employee and two part time employees, down one from previous years, who work with 4 mowers, 2 utility vehicles, 2 sprayers, 1 aerator, 1 fertilizer, and 1 golf cart.

FISCAL YEAR 2020-2021 BUDGET

Sunrise Pointe did not open in April as they have in previous years due to the coronavirus but instead opened in early June. Even with two months loss in revenue and less members (only 130 memberships at the end of 2020 were sold) the course is still forecasting close to \$160,000 in revenue for the fiscal year, up from the budgeted \$145,550.

For fiscal year 2021, the golf course is projected to lose \$42,016.

FISCAL YEAR 2021-2022 BUDGET

Since the last discussion, a golf course board has been meeting to address the activities of the golf course. Some of the recommendation beginning this year include:

- A comprehensive study of Sunrise Pointe Golf Course rate structure and accommodations
- An increase in the number of hosted events
- Working to begin offering a junior golf event, Tee It Up at Sunrise
- Offering hole sponsorships to local businesses/families
 - These sponsorships will also include amounts toward the junior golf events

The \$500,000 in capital expenses over the next 5 years is a result of CIP planning. In the last 15 years, the City has only purchased 2 replacement pieces of equipment. We will begin planning for \$25,650 per year to cover the costs of capital expenses moving forward. This \$25,650 will cover the cost of all equipment and continued renovations to the clubhouse for the communities use.

Working with the grounds crew and King's Pointe staff, we are confident we will be able to improve the financial status of the golf course next year and years to come.

Golf Course:

Revenues- \$196,373

Payroll- \$52,150

Operating Expenses- \$186,239

Supplemental- \$3,600 Broom for Greens, \$1,300 Hover Mower (Split with Parks)

BUDGET OVERVIEW

Total Revenues- \$196,373

Expenses- \$238,389

Personnel- \$52,150

22% of the total expenses

Operations/Maintenance- \$186,239

78%

KING'S POINTE

The Awaysis project was funded by an \$8M Vision Iowa Grant and voter approved bonds. The projects included, hotel and indoor waterpark, outdoor water park, lighthouse, great lawn, family playground, redesigned golf course and cottages. The purpose of the project was to diversify economic development and increase Local Option Sales Tax Revenue and Hotel/Motel revenue.

FACTORS AFFECTING THIS BUDGET YEAR

The Resort is projected to rent 19,118 rooms in the current fiscal year which will result in a loss of room revenue by \$446,719 vs the budget.

King's Pointe Resort has an estimated payroll expense of \$1,115,285 for the year. These associates are key elements of the resort to provide quality service and interactions with guests.

To date, the resort has spent \$47,142 in un-reimbursable expenses related to COVID-19. Weigand - Omega was approved for the federal payroll protection program. This saved the resort \$62,434 and helped offset those expenses and maintain employment levels.

King's Pointe Resort has a key attraction in the indoor and outdoor water parks. Due to the pandemic, the resort ended the year with 70 active passes (39 of those sold on Black Friday) after refunding 28 passes. The expectation for the 2021 season would be to approach typical season pass sales of 250+

REVENUES

King's Pointe has several revenue sources outlined below. During FY2021 the resort has seen a decrease in revenue amounting to \$154,680 between the restaurant and group revenue. Staff anticipates an increase after the pandemic for FY2022, next years estimated room revenue is \$2,477,599 with 21,733 rooms rented.

Rooms- \$2,477,599

Restaurant- \$1,192,297

Snack Bar- \$77,576

Water Park- \$243,580

Other/Vending/Gift Shop- \$27,089

FISCAL YEAR 2021-2022 BUDGET REQUEST

Rooms- \$495,523

Restaurant- \$1,132,682

Snack Bar- \$73,565

Water Park- \$109,796

Other/Vending/Gift Shop-\$12,195

Operations/Maintenance-\$1,332,717

Management fee- \$121,681

Debt Service-\$397,068

Insurance and Property Tax- \$165,180

- Property Insurance- \$113,340
- Property Portion of Taxes- \$51,840

BUDGET OVERVIEW

Total Revenues- \$4,018,141

Total Expenses- \$3,840,407

Personnel- \$1,115,285

29% of the total expenses

Operations/Maintenance- \$2,162,874

57% of total expenses

Debt Service-\$397,068

10% of total expenses

Insurance/Property Tax-\$165,180

4% of total expenses

Net Profit - \$177,734

RUT FUND

The Road Use Tax Fund is funds eligible for street reconstructions, street maintenance, street lighting, and snow removal for Storm Lake's 96 miles of streets.

The Road Use Tax Fund is a special revenue fund with support from the State of Iowa through Fuel Taxes. The State disburses funds on a per capita basis via the last census. A Street Finance Report is completed and submitted to the State each year.

FACTORS AFFECTING THIS BUDGET YEAR

This year there were unexpected expenses for a furnace and light replacements at the Street Shop in the amount of \$4,910. Vehicle repairs are projected to be over budget but are ongoing, to date there is \$350 remaining in the budget.

We have had 5 snow events this fiscal year, costing \$157,152. On average the cost is \$8,000 per inch of snow for removal in Storm Lake.

REVENUES

The Road Use Tax Fund is operating in good financial health and maintains slight over the Council desired 40% fund balance, projected ending fund balance is \$643,300

This year the Department of Transportation Per Capita Forecast is \$128.00. This per capita rate was developed in a 5-year plan prior to FY2020. Last guidance from the IDOT was an 8% loss in revenue for the remaining FY2021, down 2% from the previous 10% loss projections.

With the guidance from the IDOT, estimated revenues are projected to be \$1,306,800.

FISCAL YEAR 2021-2022 BUDGET ADJUSTMENTS

Insurance rates are expected to increase by 10% for general property insurance, worker's comp insurance, and liability insurance. Adjustments have been appropriately made for chemicals, cell phones, electric and gas services, and software subscription costs.

Operations include an additional \$150,000 for street seal coating and crack sealing, this includes any additional repairs to Seneca Street. An additional \$46,400 for additional pothole mix.

Additional Projects include Oneida Street Recon, Richland Street Phase 2, Radio Road infrastructure, and an infrastructure master plan that have split costs, \$2,704,700.

BUDGET OVERVIEW

Total Revenues- \$1,306,800

Expenses- \$1,619,568

Personnel- \$ 550,483

34% of the total expenses

Operations/Maintenance- \$689,085

43%

Capital Expenditures- \$380,000

23%

***Note: Transfers between funding sources are not included to get a clear picture of revenue vs expenses per division. Transfers were approved during the CIP process.

SPECIAL LEVIES/REVENUES

There are several special funds the City maintains: Insurance Levy, Employee Benefits Levy, Emergency Levy, Local Option Sales Tax, Hotel Motel Tax, Sales Tax Increment Financing, Tax Increment Financing, Donations, Memorial Funds, Crime Prevention Funds, Wellness Funds, and Capital Funds.

Insurance Levy

The Insurance Levy is a levy on property valuation to cover the cost of insurance.

Fund Balance:

FY2017	\$ 71,800
FY2018	\$145,688
FY2019	\$199,239
FY2020	\$260,915
FY2021 (est.)	\$181,472

A healthy fund balance is necessary as our renewal period takes place after our Budget is approved and to allow a cushion to taxpayers for ever-changing insurance costs.

Proposed Levy Rate:

FY2021	0.35180 (per \$1,000 taxable value.)
FY2022 (Proposed)	0.35173

Based on the proposed levy rate:

Revenues:	\$115,357
Expenses:	\$152,800

Employee Benefits Levy

The Employee Benefit Levy is a levy on property valuation to cover the cost of benefits offered to City Employees. The estimated ending fund balance is \$1,310,783

Proposed Levy Rate:

FY2021	3.60592
FY2022 (Proposed)	3.33995

Based on the proposed levy rate:

Revenues:	\$1,097,418
Expenses:	\$1,187,269

Emergency Levy

The Emergency Levy is a levy to offset additional operating costs. The max rate is \$0.27 per \$1,000 of taxable value.

Previous/Proposed Levy Rate:

FY2022 (Proposed)	\$0.27
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Based on the proposed levy rate:

Revenues:	\$88,553
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These funds are transferred to the General Fund annually.

Debt Service/Bond Payments

The Debt Levy is a levy imposed on local property owners for public improvements which are covered by bonds. Levied Bonds include the Fire Truck and partial coverage of the Outdoor Water Park and Awaysis Bonds

Previous/Proposed Levy Rates:

FY2018	1.56482
FY2019	1.45509
FY2020	1.43543
FY2021	1.44529
FY2022 (Proposed)	1.67751

Total Debt:

FY2017	\$37,522,564
FY2018	\$33,180,581
FY2019	\$31,608,582
FY2020	\$28,606,387
FY2021 (est.)	\$25,301,613

Based on the proposed levy rate:

Revenues:	\$591,708
Expenses:	\$591,708

Other Bonds are backed by Enterprise Revenue or additional funding sources:

Revenues (Via Transfers):	\$3,349,463
Expenses:	\$3,349,462

\$729 SRF SW Bond*

\$1.85M Hotel Revenue Bond

\$1.755M Sales Tax Rev Bond***\$1.5M SW Revenue Bond (STIFF)***

\$3.39M TIF/GO Bond

\$7.5M Water Revenue Bond***\$660k Sewer Revenue Bond*****\$1.1 M Storm Water Revenue Bond*****\$750k Storm Water Revenue Bond***

\$2.163M Water Revenue Bond

\$4.538M Sewer Revenue Bond

\$3.825M GO Bond*

\$8.171M GO Bond

\$2.06M GO Bond

* Bonds are in the process of being refinanced/paid off, reducing the amount due in FY2022.\

Local Option Sales Tax

Local Option Sales Tax is the 1% voter approved tax that is returned to the City for streets, buildings, debt retirement and capital improvements. The estimated ending fund balance is \$646,991

Estimated Revenues: \$1,338,000
Debt Expenses: \$ 838,482
Capital Expenses: \$ 998,350

Hotel Motel Tax

Hotel Motel Tax is the tax generated and returned to the community from recreation. 50% of this revenue must go back into the community for recreation, culture and tourism and related debt. The estimated ending fund balance is \$69,160.

Estimated Revenues: \$280,000
Community Dev: \$ 56,000
Debt Expenses: \$133,626
Capital Expenses: \$100,000

Sales Tax Increment Financing

As part of our flood mitigation projects, the State enacted a STIFF program to assist with offsetting costs for flood mitigation projects. These funds are used to repay bonds incurred by flood mitigation projects.

Estimated Revenues: \$100,000
Debt Expenses: \$100,000

Tax Increment Financing

Tax Increment Financing is a public financing method used as a subsidy for redevelopment, infrastructure, and other community improvement projects. TIF is a way for the City to divert future property tax revenue increases from a defined area (Urban Renewal Area) toward an economic development or public improvement project in the community. The City currently has 5 Urban Renewal Areas:

Industrial Park URA

Projected Revenues: \$546,220
Debt Repayment Expenses: \$546,220

Bargloff URA

Projected Revenues: \$226,654
Debt Repayment Expenses: \$226,654

LMI #3 URA

Projected Revenues: \$15,888
Debt Repayment Expenses: \$15,888

LMI #4 URA

Projected Revenues:	\$22,194
Debt Repayment Expenses:	\$22,194

3rd Addition URA

Projected Revenues:	\$2,983
Debt Repayment Expenses:	\$2,983

Donations

The City of Storm Lake maintains several donation funds which are earmarked for specific purposes. These funds are collected and disbursed accordingly per the use of the funds. Recent purchases from these funds include the K9 unit for the police department.

Crime Prevention

Estimated Revenues:	\$2,000
Projected Expenses:	\$3,500

Parks

Estimated Revenues:	\$1,000
Projected Expenses:	\$1,000

Memorial Funds

The City maintains several memorial funds. Each are limited per a contractual agreement on what the funds are used for.

Library Memorial Funds

Estimated Revenues:	\$9,535
Projected Expenses:	\$8,330

Law Enforcement Funds

The City Maintains Evidence funds for the Public Safety Department and are held for a judge's ruling.

Law Enforcement

Estimated Revenues:	\$4,100
Projected Expenses:	\$5,500

Evidence

Estimated Revenues:	\$0
Projected Expenses:	\$1,000

***Note: Transfers between funding sources are not included to get a clear picture of revenue vs expenses per division. Transfers were approved during the CIP process.

OUTSIDE AGENCY FUNDING

Each year the City of Storm Lake takes requests from tax-exempt organizations throughout the community to award grant money the City has available on an annual appropriation basis. This year, the City only received 3 requests, Witter Gallery, Upper Des Moines, and BV Historical Society.

REVENUES

Revenues to support the outside agency funding come from a variety of special revenue accounts to maximize the amount to be awarded.

2020-2021 BUDGET YEAR

City awarded:

Witter Gallery	\$13,000
Upper Des Moines-	\$ 7,000
Kiwanis Club	\$ 4,000
SLHS Art Dept	\$10,000
SLHS Courtyard	\$ 2,000
Storm Lake United	\$50,000 (Development)
SLU	\$68,000 (Marketing)

FISCAL YEAR 2021-2022 BUDGET

Storm Lake United 20% of Hotel / Motel Tax for Marketing

Hotel / Motel tax is estimated at \$280,000:

SLU Marketing	\$56,000
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Outside Agency Funding

Applications were received by:

	<u>Requested</u>
Witter Gallery	\$18,000
Upper Des Moines	\$ 8,000
BV Historical Society	\$ 2,000
SLHS Art Dept (FY21)	\$10,000
SLU Development	
Elevate Storm Lake	

Last year, the City awarded \$126,000 in Outside Agency Funding. In fiscal year 2020 the City awarded \$120,000 plus an additional \$100,000 in COVID small business relief. With expected Special Revenue funds expected to be stable or increasing in the future, funding can also remain stable at this time.

***Awardees must provide a mid-year update to the City Council on the use of funds.

Council should direct staff how they would like to disburse the outside agency funding.

Staff Summary

2/15/2021

Agenda Item # 12.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
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REPORT TO: Honorable Mayor and City Council

FROM:

SUBJECT: **City Council Requested Items**

BACKGROUND: Future City Council Work Sessions:
1. None at this time

FISCAL IMPACT: No Fiscal Impact at this time.

RECOMMENDATION: Concurrence for each item to be considered for a specified City Council Meeting work session or deny work session consideration for the following items:
1. None at this time