REDUNDANT INFLUENT LINE WASTEWATER TREATMENT PLANT BURLINGTON, IOWA

CONTRACTOR'S BID DATE:

Tuesday, February 6, 2024 @ 11:00 A.M.

PLACE FOR CONTRACTORS TO SUBMIT BIDS:

City of Burlington City Hall 400 Washington St Burlington, Iowa 52601

OPINION OF CONSTRUCTION COST: \$1,298,000.00

ADDENDUM NO.2

February 1, 2024

TO ALL PLANHOLDERS:

The following changes, clarifications, additions, and/or deletions are hereby made a part of the contract documents for the above-referenced project, as fully and completely as if the same were fully set forth therein. All Bidders submitting a Bid on the above Contract shall carefully read this Addendum and give it consideration in the preparation of their Bid.

This Addendum No. 2 consists of the following:

- Addendum No. 2 (pages ADN2-1 through ADN2-4)
- Prebid meeting sign-in sheet (1 page)
- Proposal Attachment Part C Bid Items Quantities and Prices (2 pages)
- Contract Attachment Item 2 Bid Items Quantities (2 pages)
- Plan Sheet S101 (1 page)
- Plan Sheet P101 (1 page)
- Plan Sheet P302 (1 page)
- Plan Sheet P601 (1 page)

CLARIFICATIONS:

- 1. This project does not require AIS Compliance as it is funded by City funds alone.
- 2. Classified spaces shown on **SHEET E101**. All electrical components located within these boundaries must comply with Class 1, Division 2 requirements.
- 3. The 36-inch buried influent pipe was installed after asbestos was typically used, therefore asbestos is not anticipated. Contractors should bid the project assuming that asbestos is not present in this buried pipe. The 36-inch pipe can be removed, sampled for asbestos, as necessary, and stored onsite while waiting for results prior to disposal to limit delays waiting for sample results and minimize time needed for plant bypass.

- 4. **BID ITEM 11.03 CONCRETE PIPE SUPPORTS** includes the entire pipe support that is located on the exterior of the Headworks Building.
- 5. **BID ITEM 11.06 STEEL PIPE SUPPORTS (STAINLESS)** includes pipe supports located on the interior of the Headworks Building.

6. SECTION 26 0533.13 CONDUIT FOR ELECTRICAL SYSTEMS:

- a. Contractor to select appropriate conduit based on the location and classification of the area conduit is located in accordance with this specification.
- 7. There shall be no buried dismantling joints. All buried dismantling joints have been removed from the project. Two (2) buried 36-inch DIP sleeves have been added. See revised SHEET P101(attached), revised SHEET P302 (attached) and revised SHEET P601 (attached) for changes. SHEETS C101 and C102 have not been updated to reflect these changes. The changes will be included on all plan sheets when the Conformed Construction Documents are issued to the Contractor after the project is awarded. The 20-inch DIP Flanged dismantling joint remains a part of the project. Summary of changes include the following:
 - a. Replace the 36" dismantling joints with spool pieces.
 - b. Add two 36" sleeves.
 - c. Delete 20" DI MJ Dismantling Joint.
 - d. Delete 12" DI MJ Dismantling Joint.
 - e. Delete 6" DI MJ Dismantling Joint.

SPECIFICATIONS:

- 1. REPLACE PROPOSAL ATTACHMENT PART C BID ITEMS QUANTITIES AND PRICES WITH THE ATTACHED (Changes Highlighted)
- 2. REPLACE CONTRACT ATTACHMENT ITEM 2 BID ITEMS QUANTITIES WITH THE ATTACHED (Changes Highlighted)
- 3. SECTION 01 1000 SUMMARY:
 - a. **REPLACE 1.02.B.1** with "Contact: Don Fitting"
 - b. REPLACE 1.02.B.3 with "Telephone: 319-753-8157"
 - c. **REPLACE 1.05.E.2.a** with "The Owner reserves the right employ others to stop any unexpected or unplanned bypassing caused by the Contractor without giving notice to Contractor and recover from the Contractor all costs incurred by the Owner as a result of the bypass including labor, materials, services, legal fees, regulatory penalties, and other related expenses."
 - d. **ADD 1.08.A.1** "Owner will dewater the influent chamber. The contractor is responsible for dewatering/draining the buried 36-inch influent pipe prior to cutting the pipe and

installing the new pipe, fittings and valves. All flow shall by pumped to the grit chamber."

4. SECTION 05 5100 METAL STAIRS:

a. **REPLACE** 1.05A with "Contractor to provide shop drawings for review to engineer of record. Contractor to verify that ladder and stair configuration as shown in shop drawings do not create a conflict with existing or proposed piping or structures."

5. SECTION 22 1116 DUCTILE IRON PIPE:

- a. ADD 2.02.B Inside Lining, "Lining is required for all DIP pipe and fittings."
- b. ADD 2.05.D Outside Coating, "Coating is required for pipe and fittings."

6. SECTION 26 0533.13 CONDUIT FOR ELECTRICAL SYSTEMS:

a. Contractor to select appropriate conduit based on the location and classification of the area conduit is located in accordance with this specification.

PLANS:

1. SHEET G003 ESTIMATE PROJECT QUANTITIES:

- a. **REPLACE** Item No. 4.07 Item Description with "VENT PIPE, ABOVE GRADE, FLANGED DIP, 3-INCH"
- b. REPLACE Item No. 4.08 Item Description with "DIP, 3-INCH FITTINGS"
- c. REPLACE Item No. 7.03 PLAN QUANTITY with "109"
- d. REPLACE Item No. 7.04 PLAN QUANTITY with "109"

2. G004 ESTIMATE REFERENCE INFORMATION:

- a. **REPLACE** Item No. 4.07 Item Description with "VENT PIPE, ABOVE GRADE, FLANGED DIP, 3-INCH"
- b. REPLACE Item No. 4.08 Item Description with "DIP, 3-INCH FITTINGS"
- c. **ADD** Item No. 4.19 Plug Valve, 36-inch D. "Dewatering/draining of influent 36-inch line shall be incidental to this bid item."

3. REFER TO SHEET P302, DETAIL 3

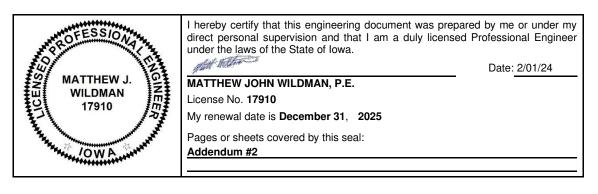
a. **REPLACE** 2-inch DIP and DIP fittings with 3-inch DIP and DIP fittings for the vent pipe

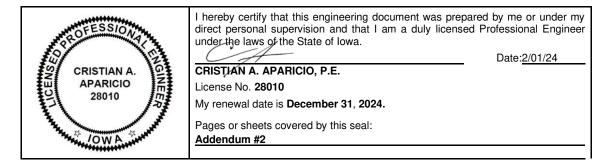
4. SHEET S001, DETAIL 4

- a. Wall thickness for all wall penetrations is 1'-0". Two (2) sets of mechanical seals shall be provided for each penetration.
- 5. **REPLACE PLAN SHEET S101 WITH THE ATTACHED** (there are no changes to the design)
- 6. **REPLACE PLAN SHEET P601 WITH THE ATTACHED** (See the updated fitting table)

All bidders shall acknowledge receipt and acceptance of Addendum No. 2 by signing in the space provided on the Bid Form. Bids submitted without Addendum No. 2 being acknowledged will be considered non-responsive.

Redundant Influent Line Wastewater Treatment Facility Burlington, Iowa ADDENDUM #2





MATTHEW J. WILDMAN, PE HR GREEN, INC. 8710 EARHART LANE CEDAR RAPIDS, IOWA 52404 PHONE: (319) 841-4000

END OF ADDENDUM #2



MEETING SIGN-IN SHEET

Project Name: <u>Redundant Influent Line Wastewater Treatment Facility</u>

Project Job Number: 220608

Date: January 23, 2024 Time: 11:00 AM

Location: <u>WWTF</u>

Name (Please Print)	Representing	Phone Number	E-Mail Address
Tim Myatt	WWTF	319-753-8157	myattt@burlingtoniowa.org
Tim Brown	Bessine Electric	319-752-6046	timebrown@yahoo.com
Mike Brown	Bessine Electric	319-572-1448	Msbrown9178@gmail.com
Corey Baker	Keokuk Contractors	319-795-0996	coreybaker@keokukcontractors.com
Bob Roy	Keokuk Contractors	319-759-2488	bobroy@keokukcontractors.com
Skyler Troutman	Klingner & Associates	319-671-2574	stroutman@klingner.com
Jared Prickett	Frank Millard	319-768-6599	jaredp@frankmillard.com
Thomas Schelich	Frank Millard	319-759-2364	ts@frankmillard.com
Connor Beals	Frank Millard	319-759-9506	<u>connor@frankmillard.com</u>
Don Fitting	WWTF	319-753-8157	fittingd@burlingtoniowa.org
Brooke Thye	Indiana, Illinois, Iowa Foundation for Fair Contracting	708-638-3339	bthye@illffc.org
Matt Wildman	HR Green	319-841-4320	mwildman@hrgreen.com

PROPOSAL REDUNDANT INFLUENT LINE WASTEWATER TREATMENT FACILITY BURLINGTON, IA

PROPOSAL ATTACHMENT: PART C – BID ITEMS, QUANTITIES AND PRICES

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

ITEM NO.		UNIT	QUANTITY	UNIT PRICE	TOTAL
1.	Sanitary Sewer Force Main, Trenched, MJ RJ DIP, 4-Inch	LF	6	\$	\$
2.	Sanitary Sewer Force Main, Trenched, MJ RJ DIP, 6-Inch	LF	11		
3.	Sanitary Sewer Force Main, Trenched, MJ RJ DIP, 12-Inch	LF	8		
4.	Sanitary Sewer Force Main, Trenched, MJ RJ DIP, 20-Inch	LF	46		
5.	Sanitary Sewer Force Main, Trenched, MJ RJ DIP, 36-Inch	LF	6		
6.	Sanitary Sewer Force Main, Above Grade, Flanged DIP, 20-Inch	LF	72		
<mark>7.</mark>	Vent Pipe, Above Grade, Flanged DIP, 3- Inch	LF	37		
<mark>8.</mark>	DIP, 3-Inch Fittings	LS	1		
9.	DIP, 4-Inch Fittings	LS	1		
10.	DIP, 6-Inch Fittings	LS	1		
11.	DIP, 12-Inch Fittings	LS	1		
12.	DIP, 20-Inch Fittings	LS	1		
13.	DIP, 36-Inch Fittings	LS	1		
14.	Interior Plumbing Reroute	EA	2		
15.	Plug Valve, 6-Inch	EA	3		
16.	Plug Valve, 12-Inch	EA	2		
17.	Plug Valve, 20-Inch	EA	4		
18.	Modulating Valve, 20-Inch	EA	1		
19.	Actuated Valve, 20-Inch	EA	1		
20.	Plug Valve, 36-Inch	EA	1		
21.	Heat Tape System & Insulation for Freeze Protection	LS	1		
22.	Curb and Gutter 6 in x 18 in	LF	45		

HR Green, Inc. Project No. 220608

Redundant Influent Line Wastewater Treatment Facility Burlington, IA

ITEM NO.		UNIT	QUANTITY	UNIT PRICE	TOTAL
23.	Removal of Curb	LF	45		
<mark>24.</mark>	Full Depth Patches, PCC, 9-Inch	SY	<mark>109</mark>		
<mark>25</mark> .	Pavement Removal	SY	<mark>109</mark>		
26.	Hydraulic Seeding, Seeding, Fertilizing, and Mulching, Type 1	AC	0.05		
27.	Removal and Reinstallation of Existing Fence	LF	45		
28.	Demolition	LS	1		
29.	Mobilization	LS	1		
30.	Core Pipe in Existing Structure	EA	4		
<mark>31.</mark>	Concrete Pipe Supports	EA	<mark>8</mark>		
32.	SS Baffle	LS	1		
33.	Bollards	EA	5		
34.	Steel Pipe Supports (Stainless)	EA	3		
35.	Stairs	LS	1		
36.	Partial Magnetic Flow Meter	EA	1		
37.	Radar Level Transmitter	EA	1		
38.	Existing Control Panel Modifications and Programming	LS	1		
39.	Redundant Line Electrical	LS	1		
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 CITY. QUANTITY CHANGES WHICH AMOUNT TO TWENTY (20) PERCENT OR LESS OF THE TOTAL BID SHALL NOT AFFECT THE UNIT PRICE BID.

Bidder

CONTRACT ATTACHMENT: ITEM 2: BID ITEMS, QUANTITIES

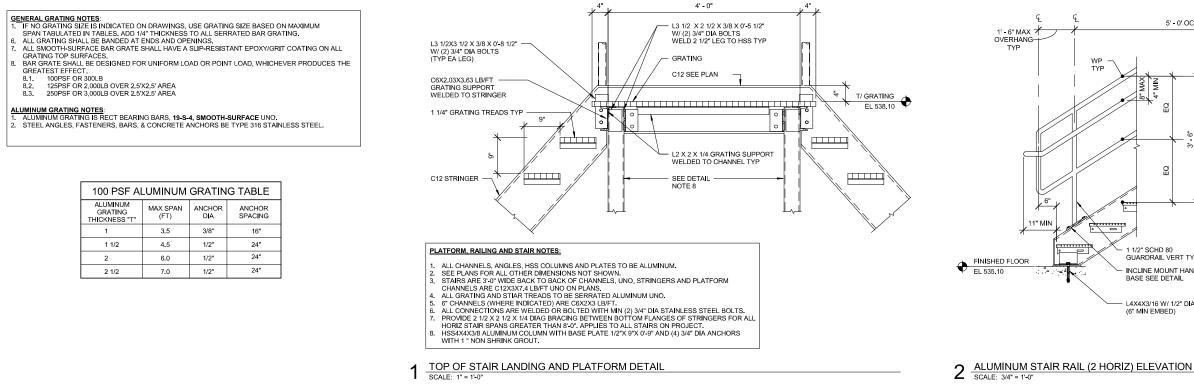
THIS CONTRACT IS AWARDED AND EXECUTED FOR COMPLETION OF THE WORK SPECIFIED IN THE CONTRACT DOCUMENTS FOR THE BID PRICES TABULATED BELOW AS PROPOSED BY THE CONTRACTOR IN ITS PROPOSAL SUBMITTED IN ACCORDANCE WITH NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING. ALL QUANTITIES ARE SUBJECT TO REVISION BY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

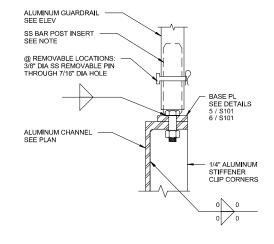
ITEM				UNIT	
NO.		UNIT	QUANTITY	PRICE	TOTAL
1.	Sanitary Sewer Force Main, Trenched, MJ RJ DIP, 4-Inch	LF	6	\$	\$
2.	Sanitary Sewer Force Main, Trenched, MJ RJ DIP, 6-Inch	LF	11		
3.	Sanitary Sewer Force Main, Trenched, MJ RJ DIP, 12-Inch	LF	8		
4.	Sanitary Sewer Force Main, Trenched, MJ RJ DIP, 20-Inch	LF	46		
5.	Sanitary Sewer Force Main, Trenched, MJ RJ DIP, 36-Inch	LF	6		
6.	Sanitary Sewer Force Main, Above Grade, Flanged DIP, 20-Inch	LF	72		
<mark>7.</mark>	Vent Pipe, Above Grade, Flanged DIP, 3- Inch	LF	37		
<mark>8.</mark>	DIP, 3-Inch Fittings	LS	1		
9.	DIP, 4-Inch Fittings	LS	1		
10.	DIP, 6-Inch Fittings	LS	1		
11.	DIP, 12-Inch Fittings	LS	1		
12.	DIP, 20-Inch Fittings	LS	1		
13.	DIP, 36-Inch Fittings	LS	1		
14.	Interior Plumbing Reroute	EA	2		
15.	Plug Valve, 6-Inch	EA	3		
16.	Plug Valve, 12-Inch	EA	2		
17.	Plug Valve, 20-Inch	EA	4		
18.	Modulating Valve, 20-Inch	EA	1		
19.	Actuated Valve, 20-Inch	EA	1		
20.	Plug Valve, 36-Inch	EA	1		
21.	Heat Tape System & Insulation for Freeze Protection	LS	1		
22.	Curb and Gutter 6 in x 18 in	LF	45		
23.	Removal of Curb	LF	45		
<mark>24.</mark>	Full Depth Patches, PCC, 9-Inch	SY	<mark>109</mark>		
<mark>25.</mark>	Pavement Removal	SY	<mark>109</mark>		

HR Green, Inc. Project No. 220608

Redundant Influent Line Wastewater Treatment Facility Burlington, IA

ITEM NO.		UNIT	QUANTITY	UNIT PRICE	TOTAL
26.	Hydraulic Seeding, Seeding, Fertilizing, and Mulching, Type 1	AC	0.05		
27.	Removal and Reinstallation of Existing Fence	LF	45		
28.	Demolition	LS	1		
29.	Mobilization	LS	1		
30.	Core Pipe in Existing Structure	EA	4		
<mark>31.</mark>	Concrete Pipe Supports	EA	<mark>8</mark>		
32.	SS Baffle	LS	1		
33.	Bollards	EA	5		
34.	Steel Pipe Supports (Stainless)	EA	3		
35.	Stairs	LS	1		
36.	Partial Magnetic Flow Meter	EA	1		
37.	Radar Level Transmitter	EA	1		
38.	Existing Control Panel Modifications and Programming	LS	1		
39.	Redundant Line Electrical	LS	1		
Total					

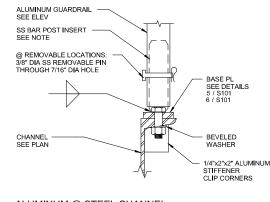




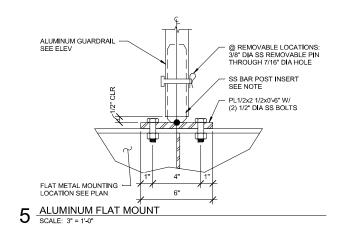
3 ALUMINUM @ ALUMINUM CHANNEL SCALE: 3" = 1'-0"

508 S v21

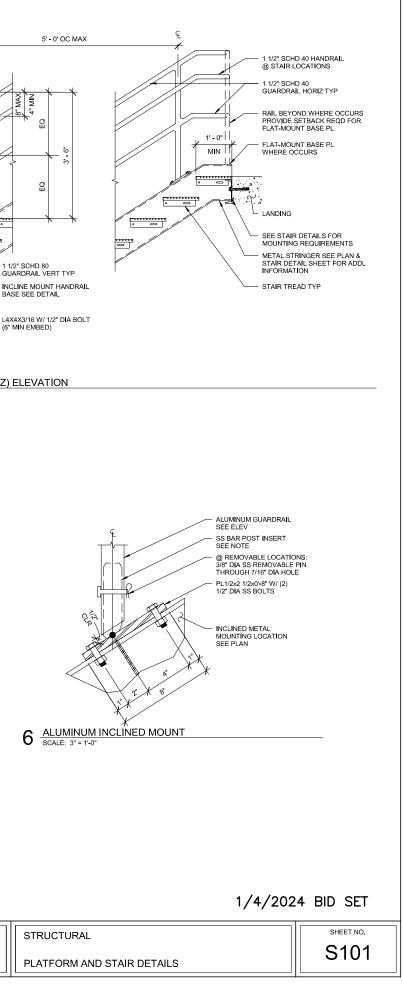
ody. 023

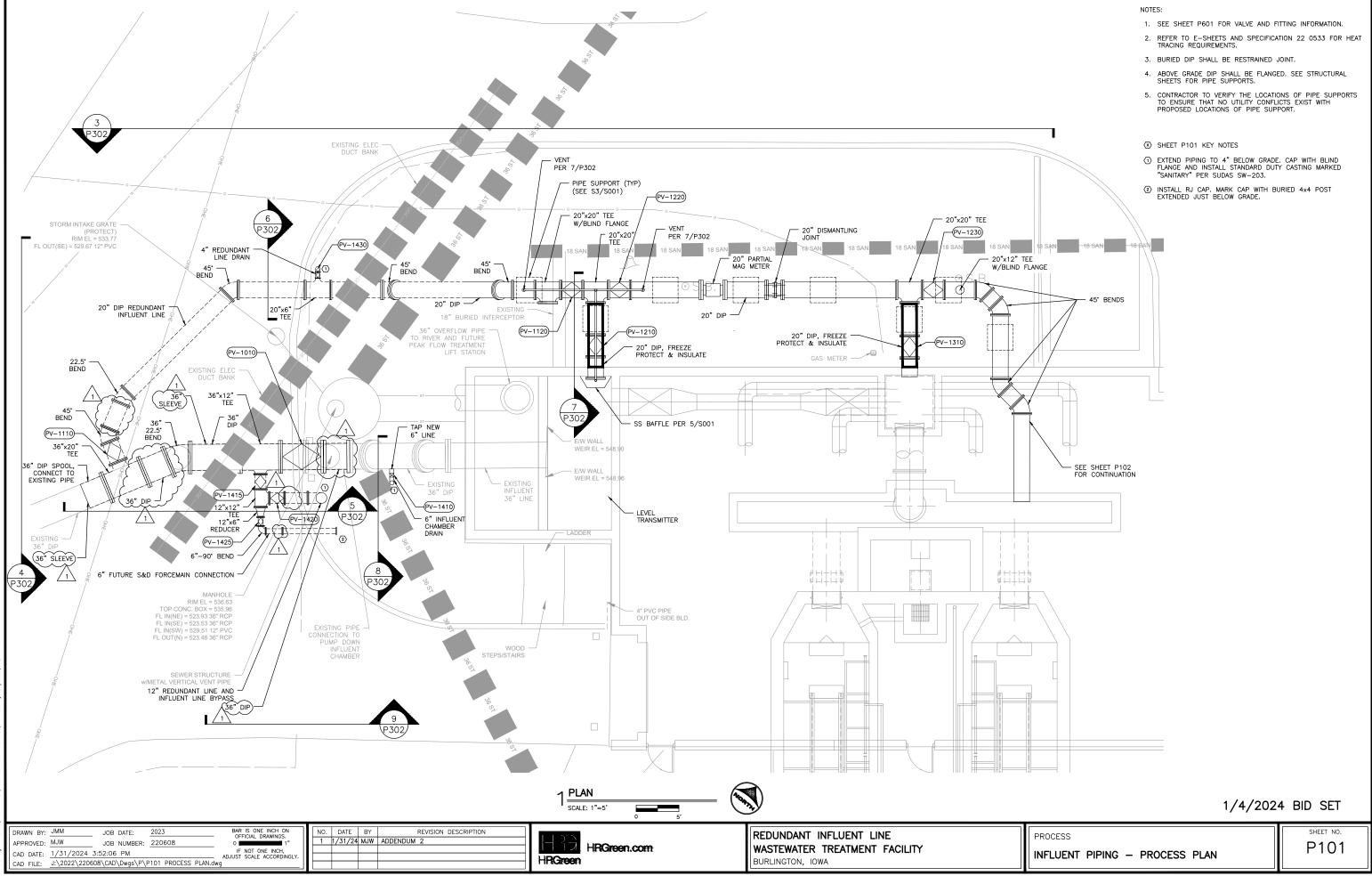


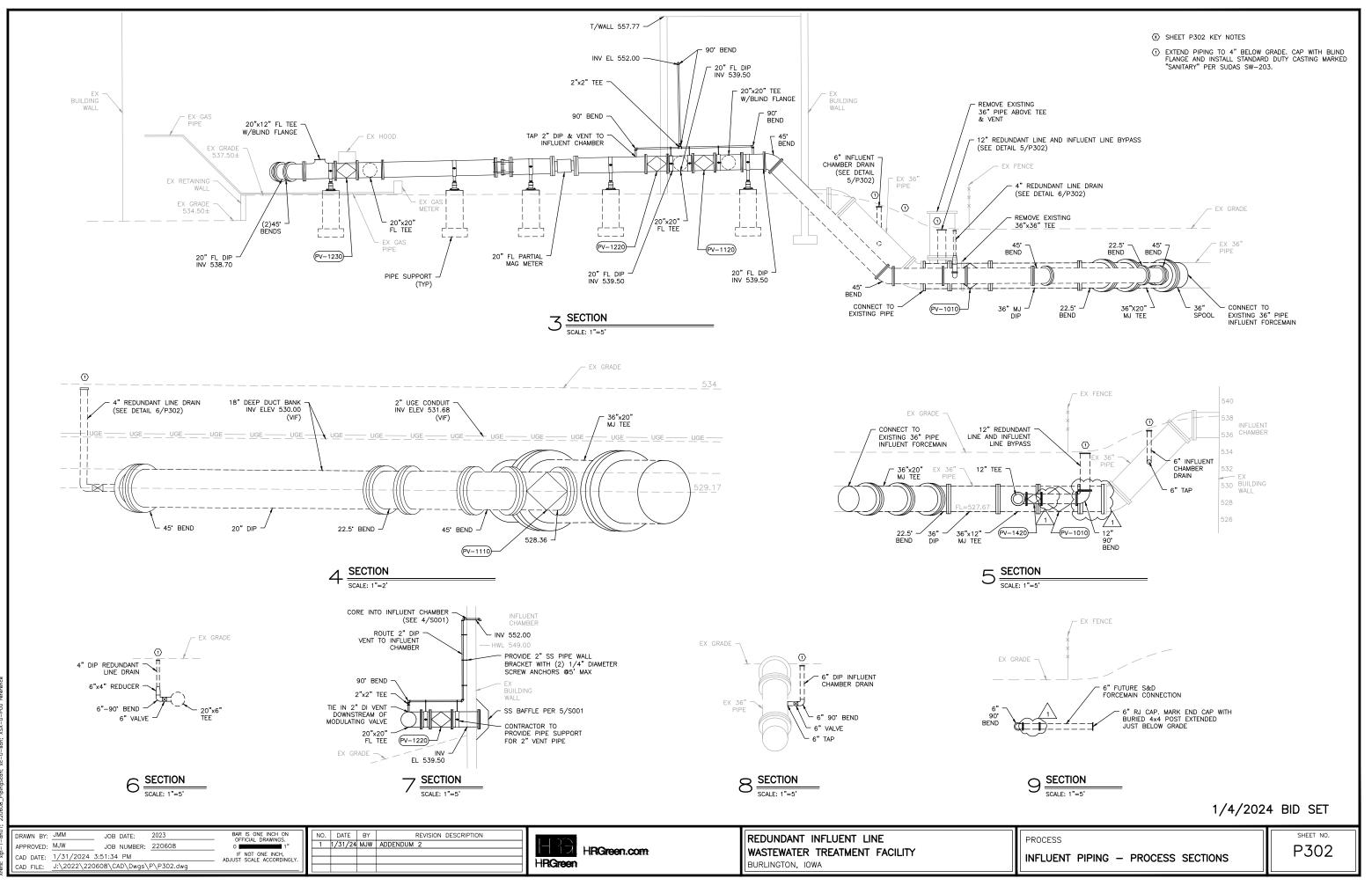
4 ALUMINUM @ STEEL CHANNEL SCALE: 3" = 1'-0"



- e Si								
rs/1	DRAWN BY:	MLM	BAR IS ONE INCH ON	NO	DATE			REDUNDANT INFLUENT LINE
₩			OFFICIAL DRAWINGS		11/03/23	3 PERMIT SET		
⊐≍ öl	APPROVED:	CAA	OFFICIAL DIVANINGS				HRGreen.com	WASTEWATER TREATMENT FACILITY
一谷田		2023						Who is a second s
EI	JOB DATE:	2023	_ IF NOT ONE INCH, ADJUST					BURLINGTON, IOWA
щò	JOB NUMBER	220608	SCALE ACCORDINGLY				LIDOroop	BOREINOTON, IOWA
문리	TOBROMBER						HRGreen	







							HIGH FLOWS	BYPASSING	BYPASSING	
							INTO	INFLUENT	INFLUENT	
						NORMAL	INFLUENT	CHAMBER TO	CHAMBER &	
VALVE NO	LOCATION	SIZE	TYPE	OPERATION	SERVICE	OPERATION	CHAMBER	SCREENING (3)	SCREENS(3)	DESC
PV-1010	OUTSIDE OF INFLUENT CHAMBER	36-INCH	PLUG VALVE	BURIED, 2-INCH SQ NUT	INFLUENT CHAMBER MAIN LINE	OPEN	OPEN	CLOSED	CLOSED	ONLY CL
PV-1110	OUTSIDE OF INFLUENT CHAMBER	20-INCH	PLUG VALVE	BURIED, 2-INCH SQ NUT	REDUNDANT LINE INFLUENT CHAMBER BYPASS	CLOSED	CLOSED	OPEN	OPEN	ONLY OF
PV-1120	OUTSIDE OF INFLUENT CHAMBER	20-INCH	PLUG VALVE	NON BURIED, MANUAL HANDWHEEL	REDUNDANT LINE INFLUENT CHAMBER BYPASS	CLOSED	GLOSED	OPEN	OPEN	ONLY OF
PV-1210	OUTSIDE OF INFLUENT CHAMBER	20-INCH	PLUG VALVE	NON BURIED, ACTUATED, ELECT O/C	INFLUENT CHAMBER REDUNDANT LINE	CLOSED	OPEN (1)	CLOSED (2)	CLOSED (2)	OPENSI
PV-1220	OUTSIDE OF INFLUENT CHAMBER	20-INCH	PLUG VALVE	NON BURIED, MODULATING, ELECT	INFLUENT CHAMBER REDUNDANT LINE	CLOSED	OPEN (1)	OPEN (1)	OPEN (1)	MODULA
PV-1230	OUTSIDE OF SCREEN BOX	20-INCH	PLUG VALVE	NON BURIED. MANUAL HANDWHEEL	INFLUENT CHAMBER REDUNDANT LINE TO SCREENING CHANNEL	OPEN	OPEN	CLOSED	OPEN (1)	OPENS
PV-1310	OUTSIDE OF SCREEN DISTRIBUTION BOX	20-INCH	PLUG VALVE	NON BURIED. MANUAL HANDWHEEL	INFLUENT CHAMBER REDUNDANT LINE TO SCREENING BOX	CLOSED	CLOSED	OPEN	CLOSED	OPENS 1
PV-1410	OUTSIDE OF INFLUENT CHAMBER	6-INCH	PLUG VALVE	BURIED. 2-INCH SQ NUT	INFLUENT CHAMBER DRAIN	CLOSED	GLOSED	CLOSED	CLOSED	ONLY O
PV-1415	OUTSIDE OF INFLUENT CHAMBER	12-INCH	PLUG VALVE	BURIED, 2-INCH SQ NUT	36" INFLUENT CONNECTION TO 12" BYPASS AND 6" S&D FORCEMAIN	OPEN (4)	OPEN (4)	OPEN (4)	OPEN (4)	ONLY OF
PV-1420	OUTSIDE OF INFLUENT CHAMBER	12-INCH	PLUG VALVE	BURIED, 2-INCH SQ NUT	INLFUENT BYPASS FOR BOTH INFLUENT AND REDUNDANT LINES	CLOSED	CLOSED	CLOSED	CLOSED	ONLY OF DOWNS
PV-1425	OUTSIDE OF INFLUENT CHAMBER	6-INCH	PLUG VALVE	BURIED, 2-INCH SQ NUT	CONNECTION FOR S&D FORCEMAIN	OPEN (4)	OPEN (4)	OPEN (4)	OPEN (4)	CONNEC
PV-1430	OUTSIDE OF INFLUENT CHAMBER	6-INCH	PLUG VALVE	BURIED, 2-INCH SQ NUT	REDUNDANT LINE DRAIN	CLOSED	CLOSED	CLOSED	CLOSED	ONLY OF

	TER DI FITTING SCHEDULE	NA*
NUMBER		NO
₩₩ ₽	36°X20 DI MURUTEE	
······ 2	36"X"2 D MJR. TEE	
00073	36" DI MURU SLEEVE	
000° ∠	36" DI MURU SLEEVE	
000° 5	36" DI MURU 22 DI DEI BEND	2
000 ⁻ 6	20" DI 45 DEG DEND	2
₩₩ 7 7	20" DI 22 DEG DEND	2
000 ⁻ 8	20" DI 45 DEG BEND	2
000 T 9	20"XS" DI VURUTEE	
0000	20" DI MURU45 DEGIBEND	'
000 ⁻ 11	20" DEFLANGED 45 DEG BEND	'
viviv= 12	20°X20_D_FLANGED_TED	
000 ⁻ 13	20" DEFLANGED DISVANTLINGUONT	
0007 4	20°X20_D_FLANGED_TED	
000° 15	20°X20_D_FLANGED_TED	
9997 16	20"X12_D_FLANGED_TED	
0007-17	20" DI FLANGED 45 DEG BEND	2
vivio= 18	20" DI FLANGED 45 DEG BEND	2
9997 IS	20" DI FLANGED 45 DEG BEND	1,
vivit" 20	20" DI FLANGED 45 DEG BEND	1,
9997 21	12" DI MURU 90 DEGREE DEND	2
1999 T 22	12" DI BLIND FLANGE	
vivio= 23	12" X 12 DI MURATEE	
000T 24	12" X S DI MUREDUCER	
9997 25	6 DI MURUSO DEGREE BEND	_ '
9997 26	6 DI MURUSO DEGREE BEND	2
000 27	6 DI MURUSO DEGREE BEND	_ '
viiiivii 28	6 DIBLIND FLANGE	
999° 29	6 DI MURUSO DEGREE BEND	_ '
000 30	6 X4" OLMURUREDUGER	
000° 31	4 D BLND FLANGE	
000 32	3 DI FLANGES 90 DIGREE DEND	'
000 ⁻ 33	3 DI FLANGED 90 DIGREE DEND	'
0007-34	3 DIFLANGEDITED	
0007-35	3 DI FLANGED 90 DIGREE DEND	'
000° 36	3 DI FLANGED 90 DOGREE DEND	'
0007 37	3 DI FLANGED 90 DIGREE DEND	
······ 38	3 ID IFLANGED 90 DEGREE DEND	'
NOTES		
I. VERTICAL		
2. HORIZONT		
2.770 SEOIT		I

 1
 VALVES WILL NEED TO BE MANUALLY CLOSED DURING AN ELECTRICAL OUTAGE

 2
 VALVES WILL NEED TO BE MANUALLY OPENED DURING AN ELECTRICAL OUTAGE

 3
 IF THE INFLUENT CHAMBER IS OFFLINE AND NOT ABLE TO TAKE INFLUENT FLOW, ALL VALVES WILL BE CLOSED AND THE LIFT STATIONS WILL SSO.

 4
 VALVE SHALL REMAIN CLOSED UNTIL THE S&D LINE IS INSTALLED.

APPROVED: MJW J CAD DATE: 1/31/2024 1:40		BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 11" IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.	NO.	DATE BY 1/31/24 MJW	REVISION DESCRIPTION ADDENDUM 2	HRGreen.com	REDUNDANT INFLUENT LINE WASTEWATER TREATMENT FACILITY BURLINGTON, IOWA
CAD FILE: J:\2022\220608	CAD\Dwgs\P\P601.dwg						BOILLINGTON, IOWA

SCRIPTION

CLOSED IF BYPASSING THE INFLUENT CHAMBER

OPEN WHEN BYPASSING THE INFLUENT CHAMBER

OPEN WHEN BYPASSING THE INFLUENT CHAMBER

IS WEMCOULATING VALVE WHEN INFLUENT CHAMBER REACHES HIGH WATER LEVEL

ULATES FLOW FROM INFLUENT CHAMBER DURING HIGH WATER

IS TO SEND REDUDANT FLOW ABOVE THE SCREENING CAPACITY TO THE SCREENED CHANNEL

IS TO SEND REDUDANT FLOWBELOW SCREENING CAPACITY TO THE SCREENING BOX

OPEN WHEN PUMPING DOWN THE INFLUENT CHAMBER WHILE OFFLINE

OPEN IF OPENING VALVES PV-1420 OR PV-1425. SHALL REMAIN CLOSED UNTIL S&D FORCEMAIN IS ALLED OR IF USING PV-1420

OPEN IF INFLUENT CHAMBER AND REDUNDANT LINE ARE OFFLINE. INFLUENT CAN BE PUMPED NSTREAM OF THE SCREENS AND GRIT.

NECTS THE S&D LIFT STATION FLOW. SHALL REMAIN CLOSED UNTIL S&D FORCEMAIN IS INSTALLED

OPEN TO DRAIN INFLUENT OR CONDENSATE FROM THE REDUNDANT LINE

1/4/2024 BID SET

PROCES:			
VALVE	%	FITTING	SCHEDULE

SHEET NO. P601