

BRIDGEPORT WEST SEWER IMPROVEMENTS
SECTION C – LIFT STATION IMPROVEMENTS
CITY OF SIOUX CITY, IOWA
Project No. 6827C-539-201 – 2016

CONTRACTOR'S BID DATE: Tuesday, March 8, 2016, 1:00 p.m.

PLACE FOR CONTRACTORS
TO SUBMIT BIDS:

City of Sioux City
City Clerk
Customer Service Center, 1st Floor
405 Sixth Street
P.O. Box 7402
Sioux City, IA 51102

ADDENDUM NO. 3

March 4, 2016

TO ALL PLANHOLDERS:

The following changes, 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:

SPECIFICATIONS

1. Refer to Bidding Requirements:

Replace pages C-3 and C.4 with the attached sheets.
Bid Item #22 – Quantity changed from 3 to 2
Bid Item #54 – Quantity changed from 140 to 160

2. Refer to Contracting Requirements:

Replace pages D-3 and D-4 with the attached sheets.
Bid Item #22 – Quantity changed from 3 to 2
Bid Item #54 – Quantity changed from 140 to 160

PLANS

1. Replace Sheet C.01. See changes noted on Plan Sheet.
2. Replace Sheet E.07. See changes noted on Plan Sheet.
3. Replace Sheet E.11. See changes noted on Plan Sheet.
4. Replace Sheet E.20. See changes noted on Plan Sheet.
5. Replace Sheet J.01. See changes noted on Plan Sheet.
6. Replace Sheet U.13. See changes noted on Plan Sheet.

All bidders shall acknowledge receipt and acceptance of ADDENDUM NO. 3 by signing the space provided on the Bid Form.

	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. <i>Dawn R. Horner</i> _____ Date: 3/4/16
	DAWN R. HORNER, P.E. License No. 16306 My renewal date is December 31, 2017 Pages or sheets covered by this seal: Entire Document.

Addendum #3

**BID ITEMS, QUANTITIES AND PRICES FOR
BRIDGEPORT WEST SEWER IMPROVEMENTS
SECTION C - LIFT STATION IMPROVEMENTS**

This is a UNIT BID PRICE CONTRACT. The bidder must provide the Unit Bid Price, the Total Bid Price, any Alternate Price(s), and the Total Construction Cost; in case of discrepancy, the Unit Bid Price governs. The quantities shown on this Attachment - Bid Items, Quantities, and Prices are approximate only, but are considered sufficiently adequate for the purpose of comparing bids. The total Construction Cost plus any alternate selected by the City shall be used only for comparison of bids. The Total Construction Cost, including any Alternates, shall be used for determining the sufficiency of the bid security.

ITEM NO.	STD. BID ITEM	ITEM DESCRIPTION	UNIT	APPROX QTY	UNIT PRICE	TOTAL
DIVISION 1 - GENERAL						
1	1070-206-X-X	TRAFFIC CONTROL	LS	1		
2	1090-105-D-0	MOBILIZATION	LS	1		
DIVISION 2 - EARTHWORK						
3	2010-108-A-1	TREE REMOVAL	EA	2		
4	2010-108-D-1	TOPSOIL, ON-SITE	CY	223		
5	2010-108-E-0	EXCAVATION, CLASS 10	CY	42		
6	2010-108-G-0	SUBGRADE PREPARATION	SY	222		
DIVISION 3 - TRENCH EXCAVATION AND BACKFILL						
7	3010-XXX-X-X	DEWATERING	LS	1		
DIVISION 4 - SEWERS AND DRAINS						
8	4010-108-A-1	VCP SANITARY SEWER GRAVITY MAIN, TRENCHED (6")	LF	5		
9	4010-108-A-1	VCP SANITARY SEWER GRAVITY MAIN, TRENCHED (24")	LF	95		
10	4010-108-A-1	DI SANITARY SEWER GRAVITY MAIN, TRENCHED (24")	LF	5		
11	4010-108-C-1	DI SANITARY SEWER FORCE MAIN, TRENCHED (12")	LF	10		
12	4010-108-C-1	DI SANITARY SEWER FORCE MAIN, TRENCHED (16")	LF	365		
13	4010-108-H-0	REMOVAL OF SANITARY SEWER, 6" VCP	LF	5		
14	4010-108-H-0	REMOVAL OF SANITARY SEWER, 12" DI FORCEMAIN	LF	90		
15	4010-108-H-0	REMOVAL OF SANITARY SEWER, 24" VCP	LF	10		
16	4050-302-X-X	MURRAY ST. BYPASS PUMPING	LS	1		
17	4050-302-X-X	YORK LIFT STATION BYPASS PUMPING	LS	1		
18	SPECIAL	12" DI MJ LONG SLEEVE	EA	2		
19	SPECIAL	16" DI MJ 45 BEND	EA	10		
20	SPECIAL	16" x 16" DI MJ WYE	EA	1		
21	SPECIAL	16" DI BLIND FLANGE	EA	1		

Addendum #3

ITEM NO.	STD. BID ITEM	ITEM DESCRIPTION	UNIT	APPROX QTY	UNIT PRICE	TOTAL
22	SPECIAL	16" MJ RESILIENT WEDGE GATE VALVE	EA	2		
23	SPECIAL	20" MJ RESILIENT WEDGE GATE VALVE	EA	1		
24	SPECIAL	20" x 16" DI MJ WYE	EA	1		
25	SPECIAL	20" DI MJ LONG SLEEVE	EA	1		
26	SPECIAL	INSPECTION OF 16" FORCE MAIN	LF	4,800		
27	SPECIAL	INTERMEDIATE ACCESS	LS	1		
28	SPECIAL	GELITA FORCE MAIN CONNECTION	LS	1		
DIVISION 6 - STRUCTURES FOR SANITARY AND STORM SEWERS						
29	6010-108-A-0	72" LINED MANHOLE	EA	1		
30	6010-108-H-0	REMOVE MANHOLE	EA	1		
31	SPECIAL	BRIDGEPORT LIFT STATION AND VALVE VAULT	LS	1		
32	SPECIAL	BRIDGEPORT LIFT STATION ELECTRICAL/CONTROLS	LS	1		
33	SPECIAL	BRIDGEPORT FLOW METER VAULT	LS	1		
34	SPECIAL	BRIDGEPORT STILLING STRUCTURE	LS	1		
35	SPECIAL	YORK LIFT STATION	LS	1		
36	SPECIAL	YORK LIFT STATION ELECTRICAL/CONTROLS/HVAC	LS	1		
37	SPECIAL	YORK WET WELL CLEANING	HR	10		
38	SPECIAL	PAINTING AND COATINGS	LS	1		
DIVISION 7 - STREETS AND RELATED WORK						
39	7010-108-A-0	PCC PAVEMENT	SY	184		
40	7030-108-A-0	REMOVAL OF CONCRETE SIDEWALK	SY	92		
41	7030-108-E-0	SIDEWALK, P.C. CONCRETE, 4 IN.	SY	92		
42	7030-108-H-2	GRANULAR DRIVEWAY	SY	230		
43	7040-108-H-0	PAVEMENT REMOVAL	SY	184		
44	SPECIAL	TEMPORARY TRAFFIC LANE	TON	87		
45	SPECIAL	REMOVE AND RESET LIGHT POLE	EA	2		
DIVISION 9 - SITE WORK AND LANDSCAPING						
46	9010-108-A-1	SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEEDING	AC	0.3		
47	9040-108-N-1	SILT FENCE	LF	777		
48	9040-108-N-2	SILT FENCE, REMOVAL OF SEDIMENT	LF	194.25		
49	9040-108-N-3	SILT FENCE, REMOVAL OF DEVICE	LF	777		
50	9040-108-T-1	INLET PROTECTION	EA	4		
51	9040-108-T-2	INLET PROTECTION, MAINTENANCE	EA	4		
52	9060-108-A-0	CHAIN LINK FENCE, 8'	LF	40		
53	9060-108-B-0	10' CHAIN LINK GATE	EA	1		

Addendum #3

ITEM NO.	STD. BID ITEM	ITEM DESCRIPTION	UNIT	APPROX QTY	UNIT PRICE	TOTAL
54	9060-108-D-0	REMOVAL AND REINSTALLATION OF CHAIN LINK FENCE, 8'	LF	160		
55	SPECIAL	BRIDGEPORT TEMPORARY SECURITY FENCE/GATE	LS	1		
56	SPECIAL	YORK TEMPORARY SECURITY FENCE/GATE	LS	1		
57	SPECIAL	STABILIZE CONSTRUCTION ENTRANCE	LS	1		
58	SPECIAL	WEED BARRIER FABRIC	SY	183		
59	SPECIAL	LANDSCAPE ROCK	TON	77		
60	SPECIAL	STREET SWEEPING	HR	20		
DIVISION 11 - MISCELLANEOUS						
61	11010-303-X-X	CONSTRUCTION STAKING	LS	1		
			TOTAL OF ITEMS 1 THRU 61			

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 percent (20%) or less of the total bid shall not affect the unit bid price.

VIEW ONLY - NOT FOR BIDDING

Addendum #3

**CONTRACT ATTACHMENT:
 BID ITEMS, QUANTITIES, AND PRICES FOR
 BRIDGEPORT WEST SEWER IMPROVEMENTS
 SECTION C – LIFT STATION IMPROVEMENTS**

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 BID SUBMITTED IN ACCORDANCE WITH INSTRUCTIONS TO BIDDERS AND NOTICE OF PUBLIC HEARING. ALL QUANTITIES ARE SUBJECT TO REVISION BY THE CITY. QUANTITY CHANGES WHICH AMOUNT TO TWENTY PERCENT (20%) OR LESS OF THE AMOUNT BID SHALL NOT AFFECT THE UNIT BID PRICE.

ITEM NO.	STD. BID ITEM	ITEM DESCRIPTION	UNIT	APPROX QTY	UNIT PRICE	TOTAL
DIVISION 1 - GENERAL						
1	1070-206-X-X	TRAFFIC CONTROL	LS	1		
2	1090-105-D-0	MOBILIZATION	LS	1		
DIVISION 2 - EARTHWORK						
3	2010-108-A-1	TREE REMOVAL	EA	2		
4	2010-108-D-1	TOPSOIL, ON-SITE	CY	223		
5	2010-108-E-0	EXCAVATION, CLASS 10	CY	42		
6	2010-108-G-0	SUBGRADE PREPARATION	SY	222		
DIVISION 3 - TRENCH EXCAVATION AND BACKFILL						
7	3010-XXX-X-X	DEWATERING	LS	1		
DIVISION 4 - SEWERS AND DRAINS						
8	4010-108-A-1	VCP SANITARY SEWER GRAVITY MAIN, TRENCHED (6")	LF	5		
9	4010-108-A-1	VCP SANITARY SEWER GRAVITY MAIN, TRENCHED (24")	LF	95		
10	4010-108-A-1	DI SANITARY SEWER GRAVITY MAIN, TRENCHED (24")	LF	5		
11	4010-108-C-1	DI SANITARY SEWER FORCE MAIN, TRENCHED (12")	LF	10		
12	4010-108-C-1	DI SANITARY SEWER FORCE MAIN, TRENCHED (16")	LF	365		
13	4010-108-H-0	REMOVAL OF SANITARY SEWER, 6" VCP	LF	5		
14	4010-108-H-0	REMOVAL OF SANITARY SEWER, 12" DI FORCEMAIN	LF	90		
15	4010-108-H-0	REMOVAL OF SANITARY SEWER, 24" VCP	LF	10		
16	4050-302-X-X	MURRAY ST. BYPASS PUMPING	LS	1		
17	4050-302-X-X	YORK LIFT STATION BYPASS PUMPING	LS	1		
18	SPECIAL	12" DI MJ LONG SLEEVE	EA	2		
19	SPECIAL	16" DI MJ 45 BEND	EA	10		
20	SPECIAL	16" x 16" DI MJ WYE	EA	1		
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DIVISION 6 - STRUCTURES FOR SANITARY AND STORM SEWERS						
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30	6010-108-H-0	REMOVE MANHOLE	EA	1		
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32	SPECIAL	BRIDGEPORT LIFT STATION ELECTRICAL/CONTROLS	LS	1		
33	SPECIAL	BRIDGEPORT FLOW METER VAULT	LS	1		
34	SPECIAL	BRIDGEPORT STILLING STRUCTURE	LS	1		
35	SPECIAL	YORK LIFT STATION	LS	1		
36	SPECIAL	YORK LIFT STATION ELECTRICAL/CONTROLS/HVAC	LS	1		
37	SPECIAL	YORK WET WELL CLEANING	HR	10		
38	SPECIAL	PAINTING AND COATINGS	LS	1		
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39	7010-108-A-0	PCC PAVEMENT	SY	184		
40	7030-108-A-0	REMOVAL OF CONCRETE SIDEWALK	SY	92		
41	7030-108-E-0	SIDEWALK, P.C. CONCRETE, 4 IN.	SY	92		
42	7030-108-H-2	GRANULAR DRIVEWAY	SY	230		
43	7040-108-H-0	PAVEMENT REMOVAL	SY	184		
44	SPECIAL	TEMPORARY TRAFFIC LANE	TON	87		
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DIVISION 9 - SITE WORK AND LANDSCAPING						
46	9010-108-A-1	SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEEDING	AC	0.3		
47	9040-108-N-1	SILT FENCE	LF	777		
48	9040-108-N-2	SILT FENCE, REMOVAL OF SEDIMENT	LF	194.25		
49	9040-108-N-3	SILT FENCE, REMOVAL OF DEVICE	LF	777		
50	9040-108-T-1	INLET PROTECTION	EA	4		
51	9040-108-T-2	INLET PROTECTION, MAINTENANCE	EA	4		
52	9060-108-A-0	CHAIN LINK FENCE, 8'	LF	40		
53	9060-108-B-0	10' CHAIN LINK GATE	EA	1		

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60	SPECIAL	STREET SWEEPING	HR	20		
DIVISION 11 - MISCELLANEOUS						
61	11010-303-X-X	CONSTRUCTION STAKING	LS	1		
			TOTAL OF ITEMS 1 THRU 61			

VIEW ONLY - NOT FOR BIDDING

ESTIMATED QUANTITIES					
ITEM NO.	STD. BID ITEM	ITEM DESCRIPTION	UNIT	APPROX. QTY.	TOTAL QUANTITIES AS BUILTS
DIVISION 1 - GENERAL					
1	1070-206-X-X	TRAFFIC CONTROL	LS	1	
2	1090-105-D-0	MOBILIZATION	LS	1	
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9	4010-108-A-1	VCP SANITARY SEWER GRAVITY MAIN, TRENCHED (24")	LF	95	2
10	4010-108-A-1	DI SANITARY SEWER GRAVITY MAIN, TRENCHED (24")	LF	5	
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12	4010-108-C-1	DI SANITARY SEWER FORCE MAIN, TRENCHED (16")	LF	365	2
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16	4050-302-X-X	MURRAY ST. BYPASS PUMPING	LS	1	2
17	4050-302-X-X	YORK LIFT STATION BYPASS PUMPING	LS	1	
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21	SPECIAL	16" DI BLIND FLANGE	EA	1	
22	SPECIAL	16" MJ RESILIENT WEDGE GATE VALVE	EA	2	3
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45	SPECIAL	REMOVE AND RESET LIGHT POLE	EA	2	

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46	9010-108-A-1	SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEEDING	AC	0.3	
47	9040-108-N-1	SILT FENCE	LF	777	
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49	9040-108-N-3	SILT FENCE, REMOVAL OF DEVICE	LF	777	
50	9040-108-T-1	INLET PROTECTION	EA	4	
51	9040-108-T-2	INLET PROTECTION, MAINTENANCE	EA	4	
52	9060-108-A-0	CHAIN LINK FENCE, 8'	LF	40	
53	9060-108-B-0	10' CHAIN LINK GATE	EA	1	
54	9060-108-D-0	REMOVAL AND REINSTALLATION OF CHAIN LINK FENCE, 8'	LF	160	3
55	SPECIAL	BRIDGEPORT TEMPORARY SECURITY FENCE/GATE	LS	1	
56	SPECIAL	YORK TEMPORARY SECURITY FENCE/GATE	LS	1	
57	SPECIAL	STABILIZE CONSTRUCTION ENTRANCE	LS	1	
58	SPECIAL	WEED BARRIER FABRIC	SY	183	
59	SPECIAL	LANDSCAPE ROCK	TON	77	
60	SPECIAL	STREET SWEEPING	HR	20	
DIVISION 11 - MISCELLANEOUS					
61	11010-303-X-X	CONSTRUCTION STAKING	LS	1	

VIEW ONLY - NOT FOR BIDDING

ADDENDUM #3

DRAWN BY: JV JOB DATE: 2015
 APPROVED: DRH JOB NUMBER: 50150006
 PLOT DATE: 3/4/2016 4:12 PM
 CAD FILE: \\HRGSFDC\Drawings\50150006.01\CAD\Section C\DWG\CIC.01.dwg

NO.	DATE	BY	REVISION DESCRIPTION
2	3/2/16	JV	ADD BID ITEMS, REVISE QUANTITIES
3	3/4/16	JV	REVISE QUANTITY OF ITEM 22 AND ITEM 54



BRIDGEPORT WEST SEWER IMPROVEMENTS - SECTION C
 CITY OF SIOUX CITY, IOWA



ESTIMATE OF QUANTITIES
 ESTIMATE OF QUANTITIES

SHEET NO.
C.01

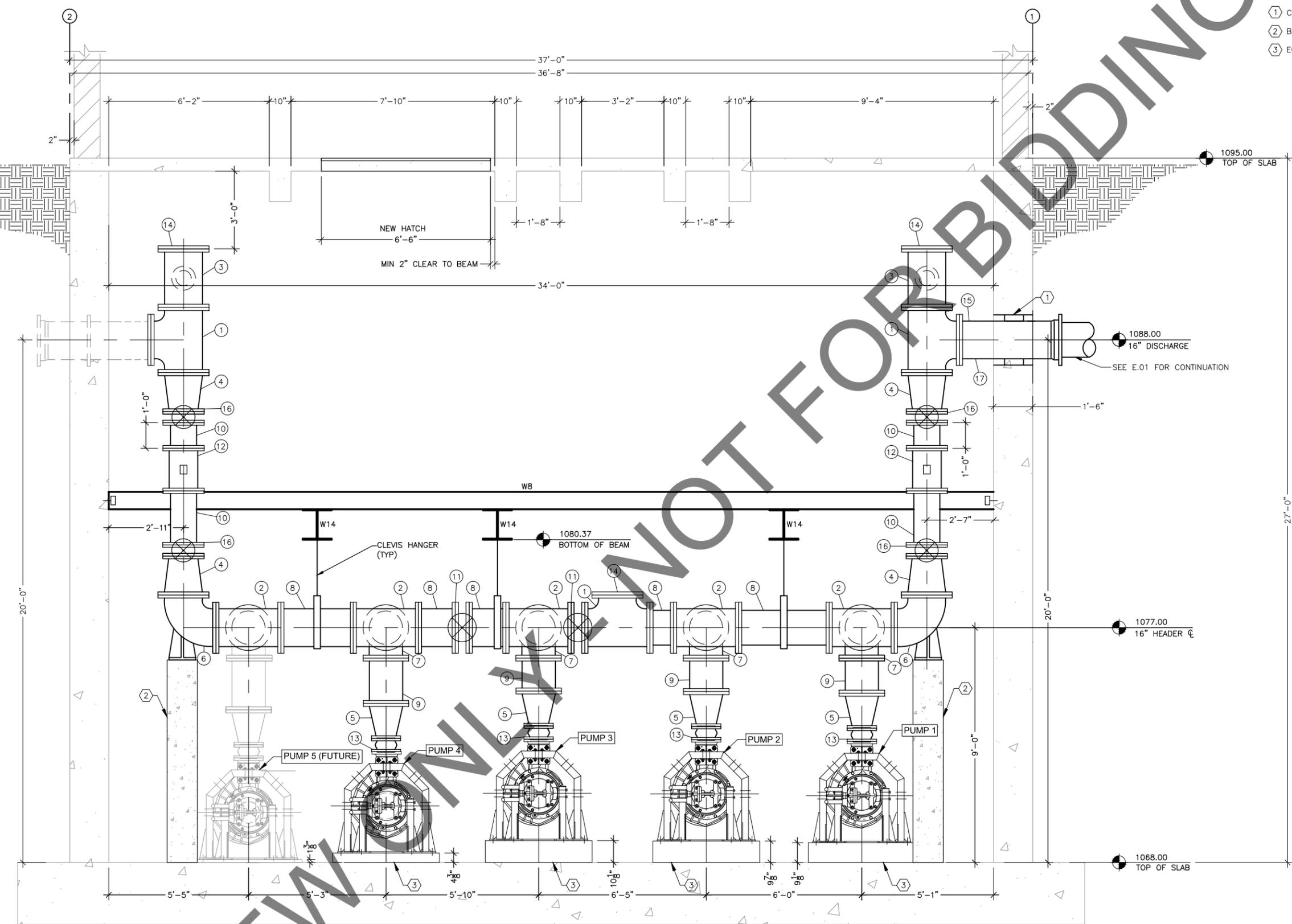
KEY NOTES:

- ① CORE DRILL PIPE PENETRATION. SEE DETAIL 1/U.13.
- ② BASE BEND PIPE SUPPORT. SEE DETAIL 5/U.13.
- ③ EQUIPMENT PAD. SEE DETAIL 3/U.13.

GENERAL NOTES:

- 1. FIELD VERIFY ALL EXISTING INFORMATION (DIMENSIONS, ELEVATIONS, EQUIPMENT, PIPING, ETC).
- 2. OWNER HAS 1ST RIGHT OF REFUSAL; CONTRACTOR TO DISPOSE OF REMAINING.
- 3. EXISTING ELECTRICAL/ PROCESS/ MECHANICAL EQUIPMENT AND/OR PIPING, CONDUITS, ETC. MAY NEED TO BE RELOCATED TO ACCOMMODATE NEW CONSTRUCTION. ALL SUCH WORK SHALL BE CONSIDERED INCIDENTAL TO THE WORK.
- ③ 4. EXPANSION JOINT: PROCO OR ENGINEER APPROVED EQUAL.

FITTING SCHEDULE	
NUMBER	DESCRIPTION
①	16"x16"x16" DI FL TEE
②	16"x16"x14" DI FL TEE
③	16"x16"x6" DI FL TEE
④	16"x12" DI FL CONCENTRIC REDUCER
⑤	14"x8" DI FL CONCENTRIC REDUCER
⑥	16" DI FL BASE 90° BEND
⑦	14" DI FL 90° BEND
⑧	16" DI FL SPOOL
⑨	14" DI FL SPOOL
⑩	12" DI FL SPOOL
⑪	16" DI KNIFE GATE VALVE
⑫	12" DI FLOW METER
⑬	8" EXPANSION JOINT
⑭	16" BLIND FLANGE
⑮	16" DI MJ X WS X PE PIPE
⑯	12" DI KNIFE GATE VALVE
⑰	16" UNIFLANGE



1 DRYWELL SECTION
SCALE: 1/4" = 1'-0"

ADDENDUM #3

DRAWN BY: JV JOB DATE: 2015
 APPROVED: DRH JOB NUMBER: 50150006
 PLOT DATE: 3/4/2016 4:19 PM
 CAD FILE: \\HRGSFDC\Drawings\50150006.01\CAD\Section C\DWG\IE.07.dwg

NO.	DATE	BY	REVISION DESCRIPTION
3	3/4/16	JV	ADD GENERAL NOTE 4, DELETE DUPLICATE DIMENSION



BRIDGEPORT WEST SEWER IMPROVEMENTS - SECTION C
CITY OF SIOUX CITY, IOWA

YORK LIFT STATION PROPOSED DRYWELL SECTION PLAN - PROCESS AND STRUCTURAL

SHEET NO. **E.07**



- 42" BYPASSING NOTES:**
1. PLUG EXISTING 36" LINE DURING WORK IN LIFT STATION, AND BYPASS FLOW VIA CONSTRUCTED BYPASS CONNECTION.
 2. CONTRACTOR TO PROTECT MANHOLE OPENING DURING DURATION OF BYPASS PUMPING.
- AVERAGE FLOW: 1.20 MGD, 50.0 TDH
 - PEAK FLOW: 2.88 MGD, 64.0 TDH
3. GELITA DISCHARGE ELEVATION: 1100.8±
 4. GELITA PIPE LENGTH FROM NEW FORCE MAIN CONNECTION TO DISCHARGE: 4,400.

EXISTING ACCESS POINT/GATE
NOTE: CONTRACTOR SHALL NOT ACCESS LAND WEST OF LIFT STATION.

REMOVE AND RESET 10 LF SECURITY FENCE (TYP)

YORK LIFT STATION

SOUTHGATE DR

LINE DR

PRIVATE PROPERTY

- KEY NOTES:**
- 1 BYPASS ROUTE
 - 2 PRIOR TO BEGINNING WORK ON YORK LIFT STATION, INSTALL CLEAN OUT. CAP WYE TO LIFT STATION TO USE FORCE MAIN CLEAN OUT FOR BYPASSING. SUPPLY NECESSARY FITTING FOR COMBINED USE OF BOTH BYPASS LINES
 - 3 ROUTE BYPASS LINE INSIDE 18" STORM CULVERT.
 - 4 BYPASS FLOW OUT OF MANHOLE.
 - MANHOLE DEPTH: 22.9'
 - MANHOLE INVERT ELEVATION: 1074.7±
 - MANHOLE Ø: 60" WITH 48" CONE.
 - HIGH WATER ELEVATION: 1076.2±
 - 5 BYPASS FLOW OUT OF MANHOLE IN COORDINATION WITH CIPP LINING OF THE 36" LIFT STATION INFLUENT LINE BY OTHERS.
 - MANHOLE DEPTH: 15.3'
 - MANHOLE INVERT ELEVATION: 1079.1±
 - HIGH WATER ELEVATION: 1081.7±

- GENERAL NOTES:**
1. MAINTAIN WORK WITHIN CITY PROPERTY OR RIGHT OF WAY.
 2. MONITOR UPSTREAM MANHOLE DURING BYPASSING TO ENSURE THAT PIPE DOES NOT BECOME FULLY SURCHARGED.
 3. LINE DR CAN ONLY BE CLOSED FOR ONE WEEK AND IT CANNOT BE CLOSED AFTER MAY 11TH, 2016.
 4. SEE J SHEETS FOR TRAFFIC CONTROL.
 5. COORDINATE WITH OWNER. BYPASS ESTIMATED TO START IN LATE AUGUST, 2016.



ADDENDUM #3

DRAWN BY: JV JOB DATE: 2015
 APPROVED: DRH JOB NUMBER: 50150006
 PLOT DATE: 3/4/2016 4:48 PM
 CAD FILE: \\HRGSFDC\Drawings\50150006.01\CAD\Section C\Drawings\E.11.dwg

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NO.	DATE	BY	REVISION DESCRIPTION
2	3/2/16	JV	ADD TEMPORARY BYPASS SHEET
3	3/4/16	JV	REVISE & ADD BYPASS ROUTE, ADD NOTES

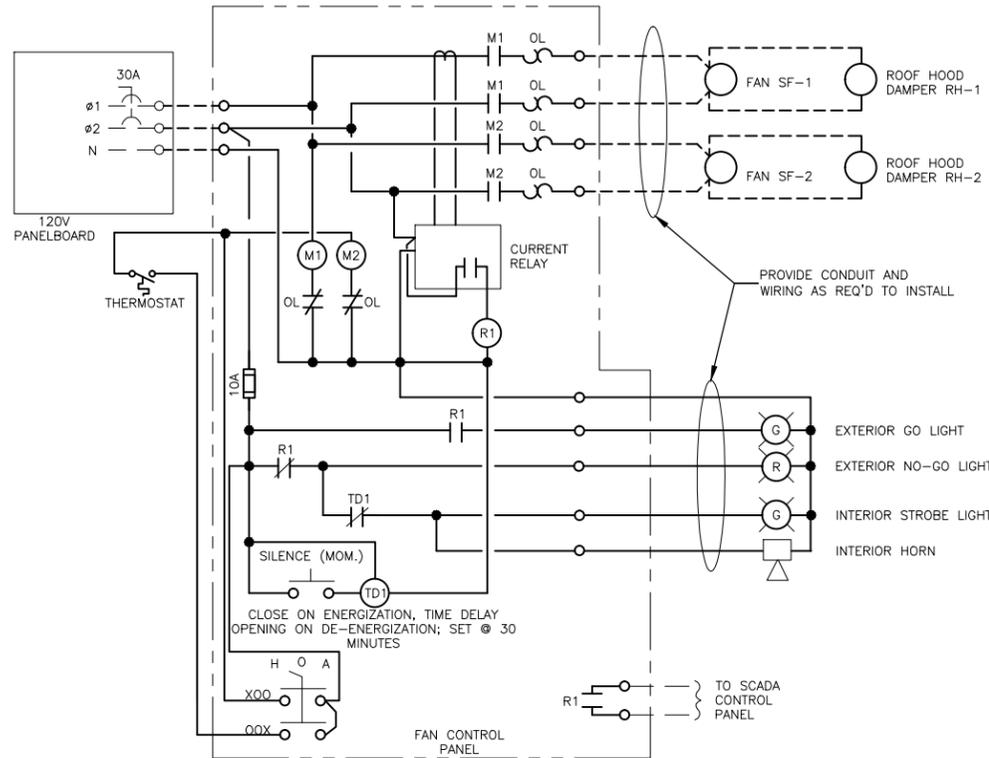


BRIDGEPORT WEST SEWER IMPROVEMENTS - SECTION C
 CITY OF SIOUX CITY, IOWA



YORK LIFT STATION
 TEMPORARY SEWER BYPASS PLAN

SHEET NO.
E.11



2 FAN CONTROL PANEL

SCALE: NTS

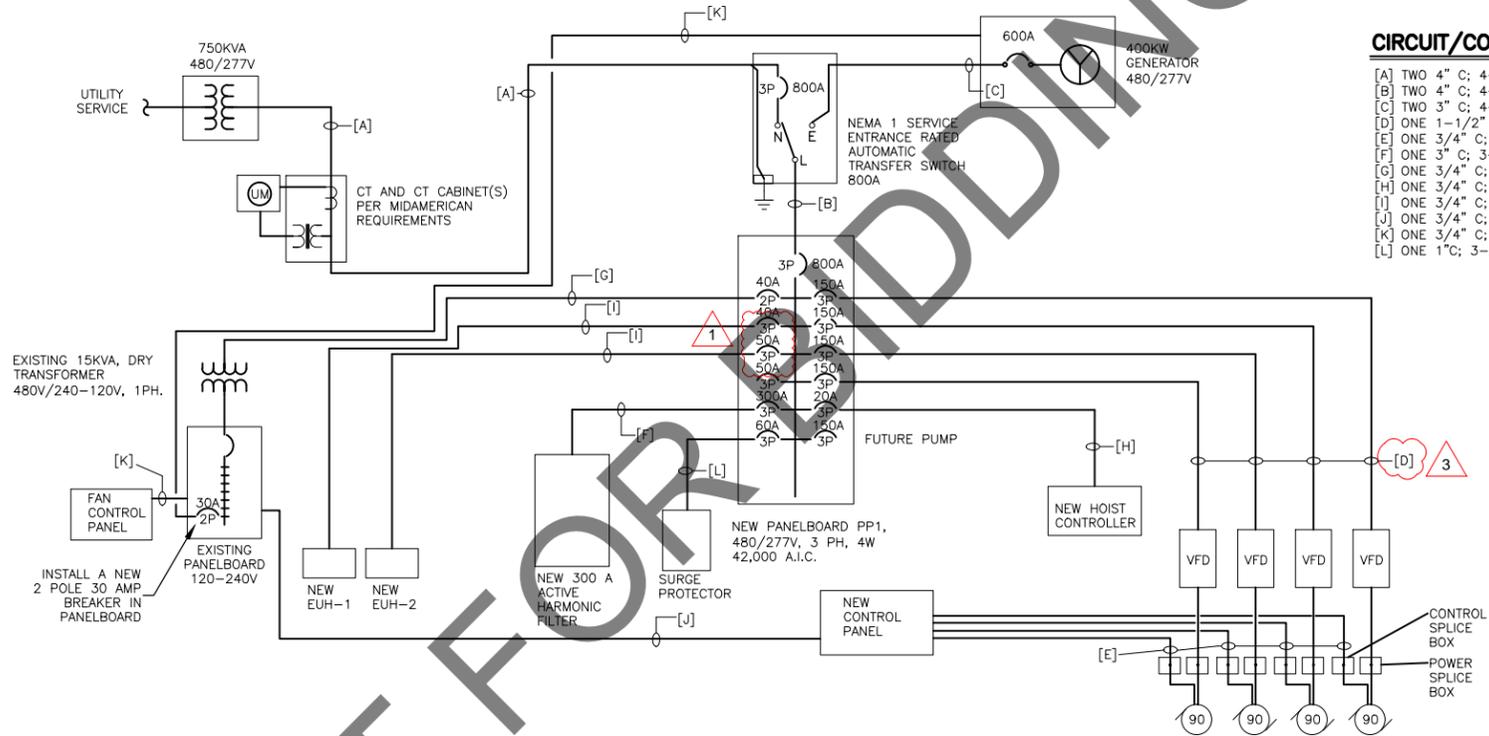
M1 & M2 = FAN MOTOR STARTERS; MATCH STARTER CAPACITIES TO ACTUAL INSTALLED FAN HP.

ELECTRIC UNIT HEATER SCHEDULE

PLAN MARK	CAPACITY kW	VOLTS	PHASE	AMPS	FAN		HP	MOUNTING	MANUFACTURER/MODEL NO.	REMARKS
					CFM	THROW				
EUH-1	35	460	3	44	2400	50	1/4	WALL	INDEECO / TRIAD	1,2,3,4,5,6
EUH-2	35	460	3	44	2400	50	1/4	WALL	INDEECO / TRIAD	1,2,3,4,5,6

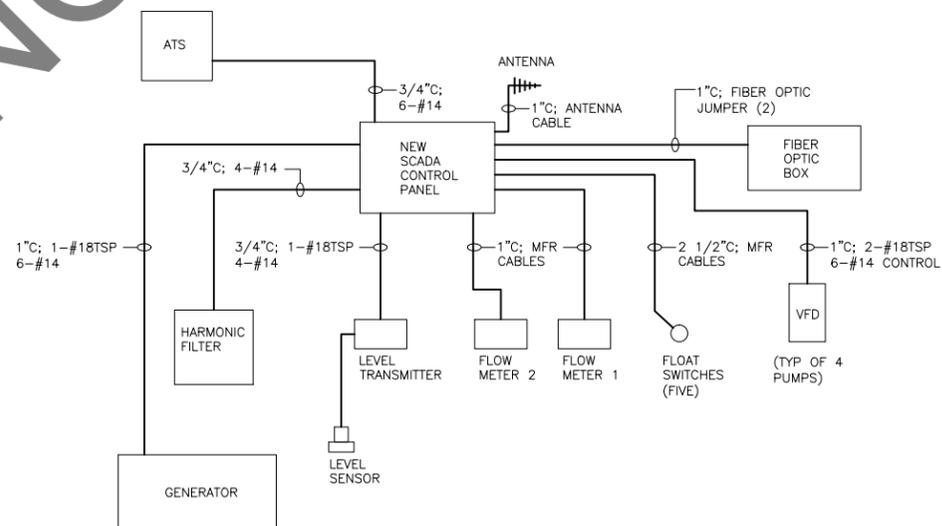
REMARKS:

- CORROSION RESISTANT STAINLESS STEEL CONSTRUCTION
- STAINLESS STEEL FINNED TUBULAR ELEMENTS
- TOTALLY ENCLOSED CORROSION RESISTANT MOTOR
- FACTORY MOUNTED DISCONNECT
- NEMA 4X WALL MOUNTED THERMOSTAT
- STAINLESS STEEL SWIVEL WALL BRACKET



1 POWER ONE-LINE DIAGRAM

SCALE: NTS

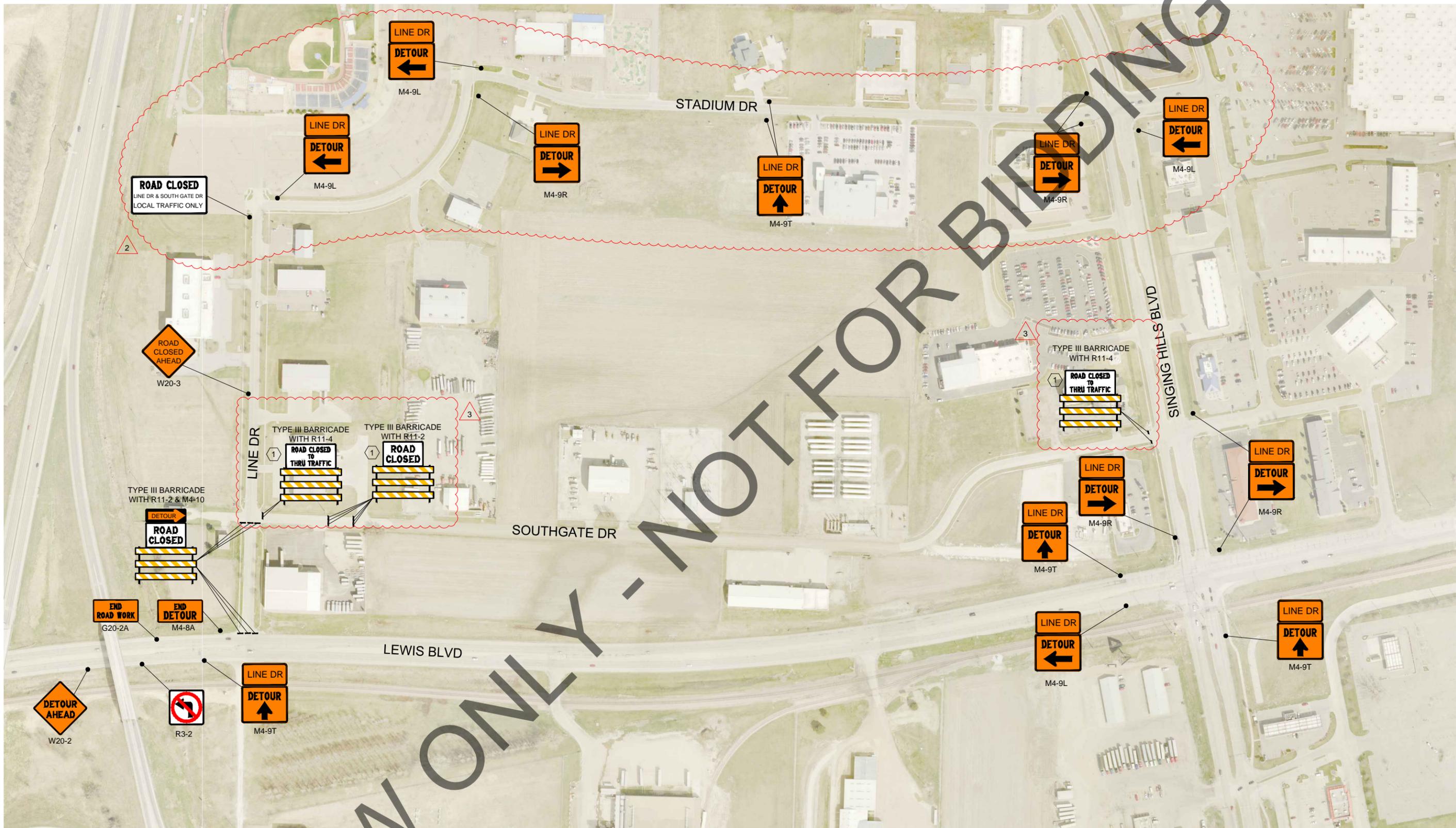


3 CONTROL ONE-LINE DIAGRAM

SCALE: NTS

CIRCUIT/CONDUIT SCHEDULE:

- [A] TWO 4" C; 4-500KCMIL EACH CONDUIT
- [B] TWO 4" C; 4-500KCMIL, 1-#2/0G EACH CONDUIT
- [C] TWO 3" C; 4-350KCMIL, 1-#2/0G EACH CONDUIT
- [D] ONE 1-1/2" C; 3-#1/0, 1-#6G
- [E] ONE 3/4" C; 4-#14
- [F] ONE 3" C; 3-350kcmil, 1-#2G
- [G] ONE 3/4" C; 2-#8, 1-#8G
- [H] ONE 3/4" C; 4-#12
- [I] ONE 3/4" C; 3-#8, 1-#12G
- [J] ONE 3/4" C; 3-#12
- [K] ONE 3/4" C; 3-#10, 1-#10G
- [L] ONE 1" C; 3-#6, 1-#6 GND

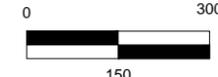


GENERAL NOTES:

- 1. SEE E.11 FOR STAGING AND TIME LIMITS FOR CLOSURE OF LINE DRIVE.

KEY NOTES:

- 1 SOUTHGATE DRIVE TRAFFIC CONTROL SHALL BE IMPLEMENTED IN COORDINATION WITH YORK LIFT STATION SHUTDOWN AND BYPASS PUMPING. ESTIMATED TIME OF SHUTDOWN IS 10 WEEKS. SEE SHEET E.11.



ADDENDUM #3

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NO.	DATE	BY	REVISION DESCRIPTION
2	3/2/16	JV	CHANGE DETOUR ROUTE TO STADIUM DR, NOTE 1
3	3/4/16	JV	CHANGE ROAD CLOSURE TYPE, ADD KEY NOTE 1

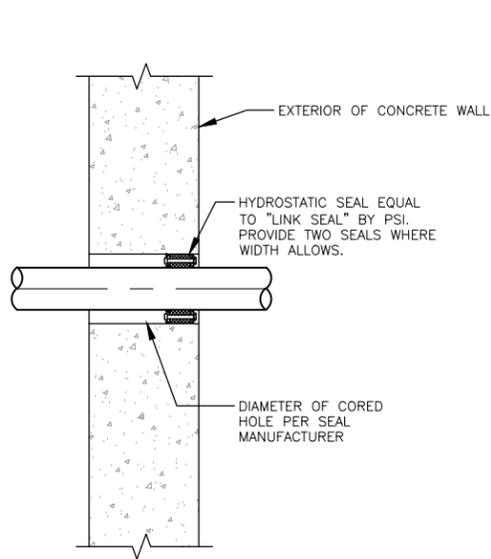


BRIDGEPORT WEST SEWER IMPROVEMENTS - SECTION C
 CITY OF SIOUX CITY, IOWA



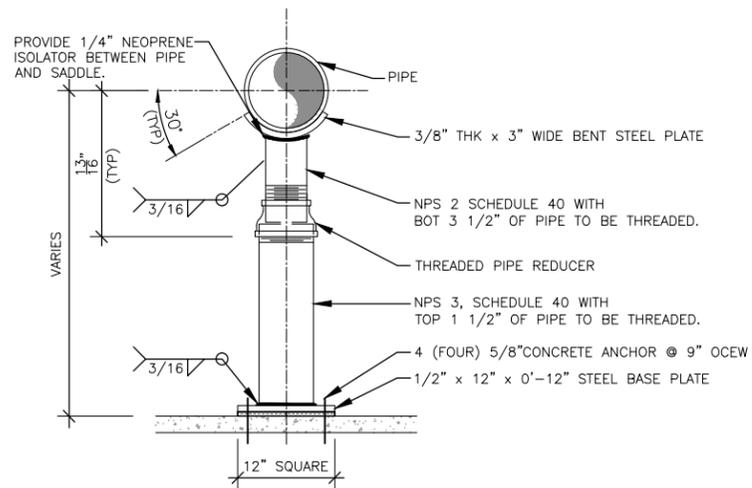
TRAFFIC
TRAFFIC CONTROL PLAN - YORK SITE

SHEET NO.
J.01



1 CORE DRILLED PIPE PENETRATION

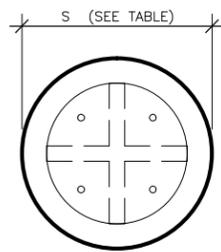
SCALE: NTS



NOTE: PIPE SUPPORT TO BE PAINTED THE SAME COLOR AS PIPING.

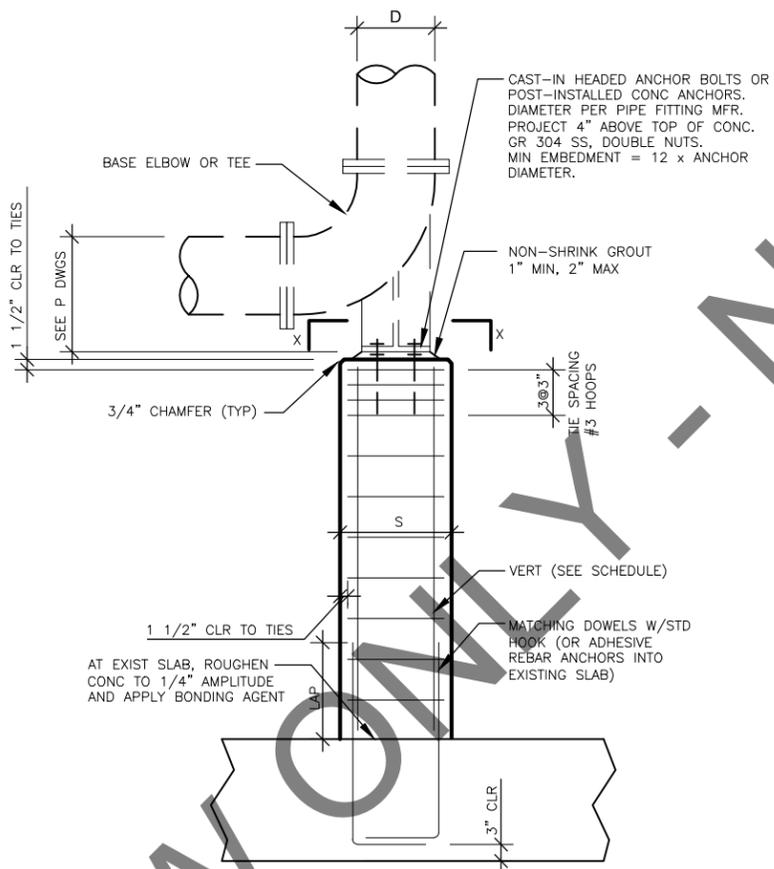
2 STANCHION PIPE SUPPORT

SCALE: NTS



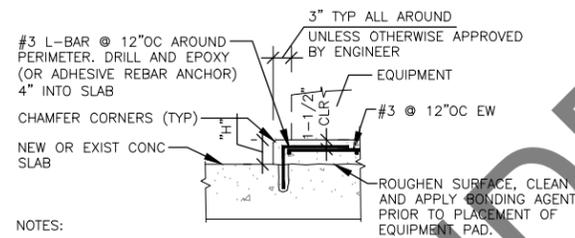
SECTION X-X

FOR PIPE D=	S=	VERT REINF
≤ 6"	1'-0"	4 #5
8" THROUGH 16"	1'-4"	4 #6
18" THROUGH 24"	1'-6"	8 #6
30" THROUGH 36"	2'-0"	8 #7
> 36"	2'-6"	12 #7



5 PIPE SUPPORT BASE BEND

SCALE: NTS

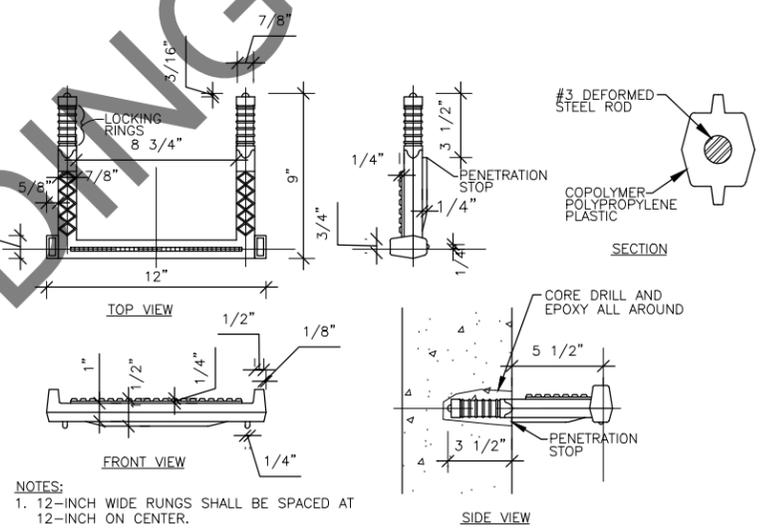


NOTES:

- "H" TO BE DETERMINED BY MOUNTING HEIGHT OF EQUIPMENT.
- "H" SHALL NOT BE LESS THAN 3.5" WITHOUT ENGINEER'S APPROVAL.
- FOR BIDDING PURPOSES ASSUME "H"=6" UNLESS NOTED OTHERWISE.

3 EQUIPMENT PAD

SCALE: NTS

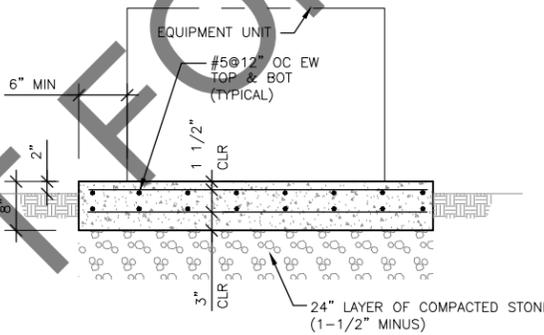


NOTES:

- 12-INCH WIDE RUNGS SHALL BE SPACED AT 12-INCH ON CENTER.

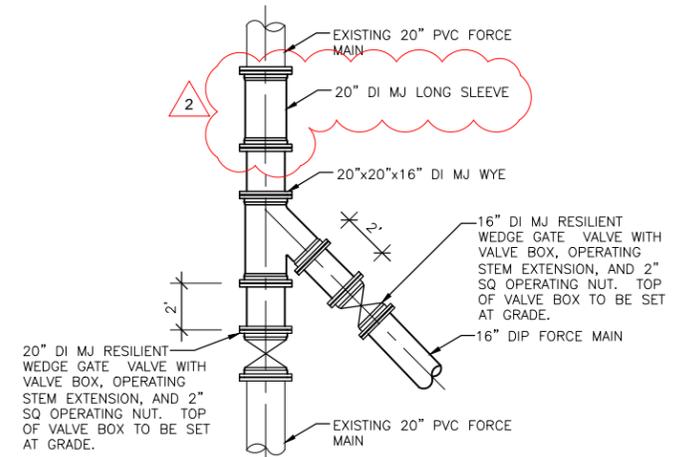
4 VAULT STEP DETAIL

SCALE: NTS



6 OUTDOOR EQUIPMENT PAD

SCALE: NTS

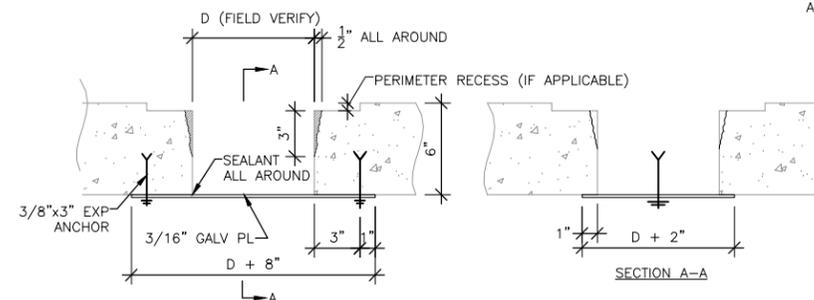


20" DI MJ RESILIENT WEDGE GATE VALVE WITH VALVE BOX, OPERATING STEM EXTENSION, AND 2" SQ OPERATING NUT. TOP OF VALVE BOX TO BE SET AT GRADE.

3 CONTRACTOR TO FIELD VERIFY 20" C905 PVC PIPE CLASS PRIOR TO MAKING FORCE MAIN CONNECTION.

7 YORK/GELITA CONNECTION

SCALE: NTS



PROCEDURE:

- ANCHOR 3/16" PLATE TO UNDERSIDE OF FLOOR. APPLY SEALANT.
- DEMOLISH EXISTING CONCRETE AS SHOWN BY CROSS HATCHING. USE BUSH HAMMER OR SANDBLAST TO REMOVE CONCRETE.
- FILL TO UNDERSIDE OF PERIMETER RECESS WITH NON-SHRINK GROUT.
- ALLOW TO HARDEN, THEN USE PATCHING MORTAR TO TOP OFF PENETRATION AND FILL PERIMETER RECESS. FINISH SMOOTH TO MATCH EXISTING FLOOR.
- IF THERE IS NO PERIMETER RECESS, FILL TO TOP WITH NON-SHRINK GROUT AND FINISH SMOOTH TO MATCH EXISTING FLOOR.

8 FLOOR HOLE PATCH

SCALE: 1" = 1'-0"

ADDENDUM #3

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NO.	DATE	BY	REVISION DESCRIPTION
2	3/2/2016	JV	ADD SLEEVE TO DETAIL 7
3	3/4/2016	JV	ADD NOTE TO DETAIL 7



BRIDGEPORT WEST SEWER IMPROVEMENTS - SECTION C
 CITY OF SIOUX CITY, IOWA



DETAILS
 DETAILS

SHEET NO.
U.13