Banner Associates, Inc.
409 22nd Avenue South
Brookings, SD 57006
Tel 605.692.6342
Toll Free 855.323.6342
www.bannerassociates.com

ADDENDUM | No. 3

PROJECT	Hull Pump Station & Sheldon Meter Building
BID DATE	2:00 PM CDT August 9, 2022
BID LOCATION	Lewis & Clark Regional Water System Office 46986 Monty Street, Tea, SD 57064
ISSUE DATE	8/5/2022
NOTICE	Failure to acknowledge all addenda in the BID may cause rejection of the BID. See Instructions to Bidders.

SCOPE OF THIS ADDENDUM

The following becomes a part of the original project manual and drawings, taking precedence over the items that may conflict. The bidder shall note receipt and make acknowledgment of the Addendum on his/her bid form, incorporating its provision in his/her bid.

PRIOR APPROVALS

The following manufacturers of the items and materials have been added to the list of approved manufacturers. Listing of an item does not change the requirements of the specifications. Equipment furnished shall meet the materials and performance requirements as specified.

SECTION	DESCRIPTION	MANUFACTURER
07411	Custom Lok Roof Panels and Paragon Series Soffit Panels	Waard Metals
07411	Snow Guards – SnowMax Standing Seam Snow Guard System	Alpine Snow Guards
04810	Through Wall Flashing – York 304 Self-Adhering Stainless Steel	York Flashings

PROJECT MANUAL

The following additions, changes and clarifications have been made to the Project Manual.

Section 07411– Metal Roof Panels,

Section 2.4, B, 2, b

Delete:

b. Delete the words “and Sibley Meter Building”.

Section 08710– Door Hardware,

Section 3.7

Delete:

b. Delete all 3 series doors in each hardware set.

Section 08710– Door Hardware,

Section 3.7

Change: Hardware Set 3 to read as follows:

HARDWARE SET 3: Door #2-103
2 – Continuous Gear Hinge (sim to MCK 85” x 25HD)
1 – Lockset F13 (sim to C.R. ML2065 NSP) – on active leaf.
2 – Flush Bolts (top and bottom) (sim to Ives FB458-12-MD) – US26D – on inactive leaf.
1 – Closer (sim to LCN 4041 SRI) – on active leaf.
2 – Kickplate (located on interior side of door).
2 – Kick-Down Stop (sim to Ives FS452).
1 – Door Gasketing as required for both leafs.
1 – Threshold – Heavy Duty Aluminum (sim to NG 513 HD).
2 – Door Sweep (sim to NG 600NA).
2 – Door Bottom (sim to NG 112N) – Supplier verify correct neoprene bulb size between door and threshold.
1 – Astragal (sim to NG 158NA – 86) – on active leaf.

Section 10520– Fire Extinguishers,

Section 3.3

Delete:

3. Sibley Meter Building: 2 Fire Extinguishers and accessories.

Section 10950– Miscellaneous Specialties,

Section 2.1

Delete:

“& 1 unit for Sibley Meter Building.”

DRAWINGS

The following additions, changes and clarifications have been made to the Drawings.

Drawing Sheets 1-2.1 through 1-2.6.

Delete: Existing Sheets 1-2.1 through 1-2.6.

Add: Attached Sheets 1-2.1 through 1-2.6.

NOTE
The Plan Holders List and Addendums are available on our website at http://www.bannerassociates.com by clicking on **View Bid Information / Project Name / Project Information** link.

Project Manual and Drawing inquiries regarding the work should be directed to:

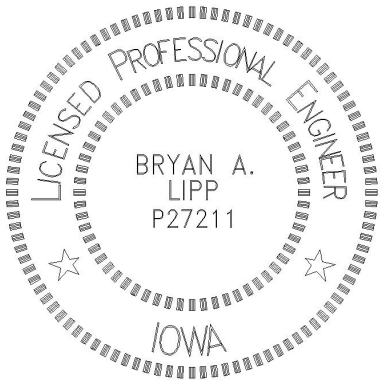
CONTACT PERSON(S)

Banner Associates, Inc.	Tel 1-605-692-6342 | Toll Free 1-855-323-6342 | Fax 1-605-692-5714	
Bryan Lipp, PE	Process & Civil	bryanl@bannerassociates.com
Adam Hanson, PE	Structural	adamh@bannerassociates.com
David Lorang, AIA	Architectural	davel@bannerassociates.com

Subconsultant	Tel 1-605-362-3753	
Todd Weidner	Electrical	todd.weidner@westplainsengineering.com
Connor Swiontek	Mechanical	connor.swiontek@westplainsengineering.com

ATTACHMENTS:

Plan Sheets 1-2.1, 1-2.2, 1-2.3, 1-2.4, 1-2.5 1-2.6
West Plains Engineering Addendum Items
Prebid Meeting Minutes (7/26/22)



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.

Bryan Lipp 8/5/2022

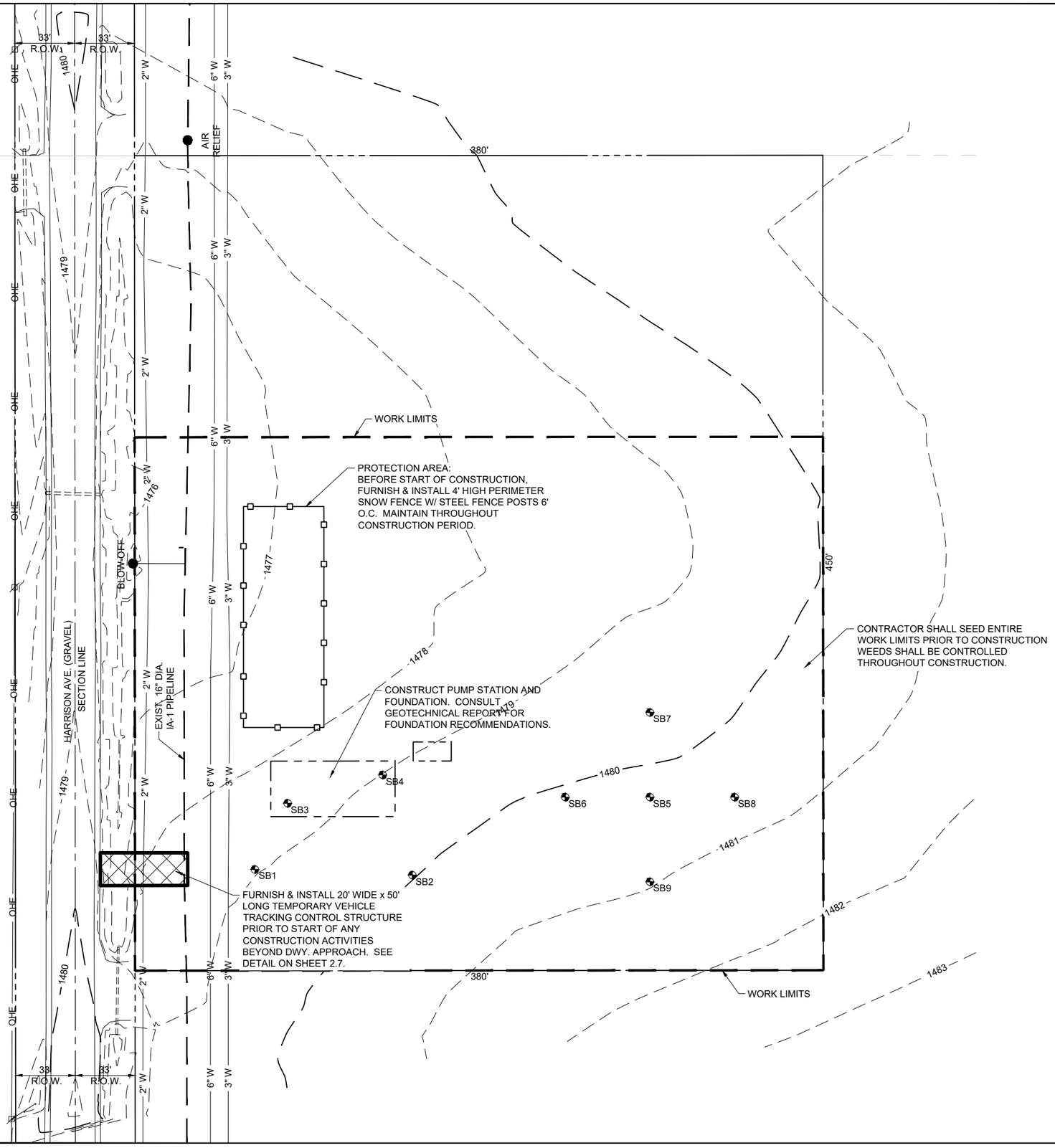
(SIGNATURE) (DATE)

BRYAN A. LIPP
LICENSE NUMBER
P27211
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2023

PAGES OR SHEETS COVERED BY THIS SEAL: 1-19

GENERAL NOTES:

1. PROVIDE ALL MATERIALS AND CONSTRUCT VEHICLE TRACKING CONTROL STRUCTURE IN ACCORDANCE WITH THE DETAIL ON SHEET 2.7.
2. SOIL BORING LOCATION AND NUMBERS ARE TAKEN FROM THE GEOTECHNICAL REPORT PREPARED BY GEOTEK ENGINEERING & TESTING SERVICES, INC.



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PROJECT / SHEET TITLE :

LEWIS & CLARK HULL PUMP STATION
EXISTING SITE PLAN
HULL, IOWA

REV.	DATE	DESCRIPTION
1	8-4-22	ADDENDUM No. 3

JOB No.:	20000.49.01
DATE:	JULY 2022
DESIGNED BY:	B.E.N.
CHECKED BY:	B.A.L.
DRAWN BY:	S.A.N.

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
1-2.1

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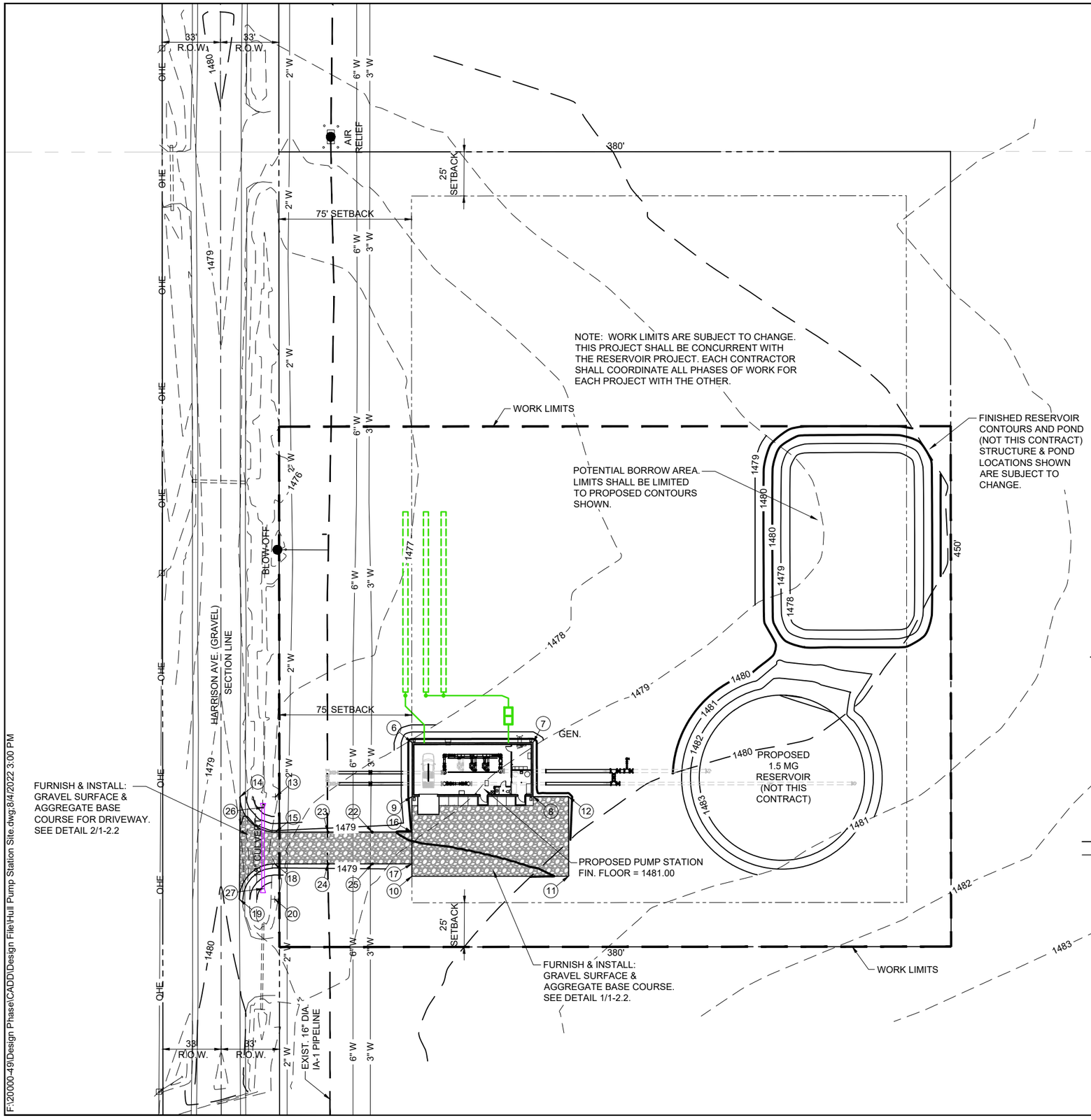
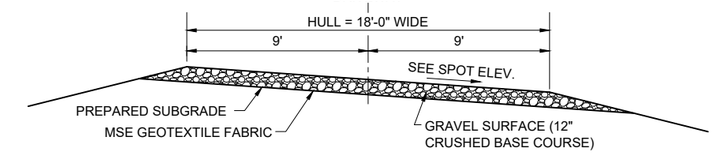


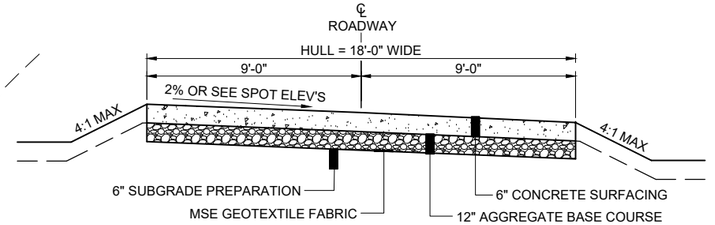
COORDINATE SCHEDULE

	NORTHING	EASTING	ELEV.	DESCRIPTION
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-
6	4212344.0705	3894169.9196	1480.50	NW CORNER OF BLDG.
7	4212412.7372	3894169.9678	1480.50	NE CORNER OF BLDG.
8	4212412.7587	3894139.3009	1480.50	SE CORNER OF BLDG.
9	4212344.0921	3894139.2527	1480.50	SW CORNER OF BLDG.
10	4212344.0921	3894094.2683	1479.10	EDGE OF GRAVEL
11	4212432.7587	3894094.2683	1479.54	EDGE OF GRAVEL
12	4212432.7587	3894139.3150	1480.00	EDGE OF GRAVEL
13	4212266.8665	3894139.1985	-	20' RADIUS SWING POINT
14	4212246.8665	3894139.1844	M.E.	EDGE OF GRAVEL
15	4212266.8806	3894119.1985	1478.72	EDGE OF GRAVEL
16	4212344.1061	3894119.2527	1479.60	EDGE OF GRAVEL
17	4212344.1188	3894101.2527	1479.24	EDGE OF GRAVEL
18	4212266.5111	3894101.1982	1479.06	EDGE OF GRAVEL
19	4212246.5252	3894081.1842	M.E.	EDGE OF GRAVEL
20	4212266.5252	3894081.1982	-	20' RADIUS SWING POINT
21	-	-	-	-
22	4212321.6895	3894119.2370	1479.34	EDGE OF GRAVEL
23	4212296.6895	3894119.2194	1479.06	EDGE OF GRAVEL
24	4212296.7022	3894101.2194	1479.13	EDGE OF GRAVEL
25	4212321.7022	3894101.2370	1479.19	EDGE OF GRAVEL
26	4212259.8815	3894133.1937	1475.99	END OF 18" CMP CULVERT
27	4212259.8591	3894087.1937	1476.49	END OF 18" CMP CULVERT

M.E. = MATCH EXISTING



1 / 1-2.2 GRAVEL ACCESS
SCALE : NONE



2 / 1-2.2 CONCRETE ACCESS (NIC)
SCALE : NONE

0 30' 60' 120'

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PROJECT / SHEET TITLE :
LEWIS & CLARK HULL PUMP STATION
SITE GRADING PLAN
HULL, IOWA

REV.	DATE	DESCRIPTION
1	8/4/22	ADDENDUM No. 3

JOB No.:	20000.49.01
DATE:	JULY 2022
DESIGNED BY:	B.E.N.
CHECKED BY:	B.A.L.
DRAWN BY:	S.A.N.

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
1-2.2

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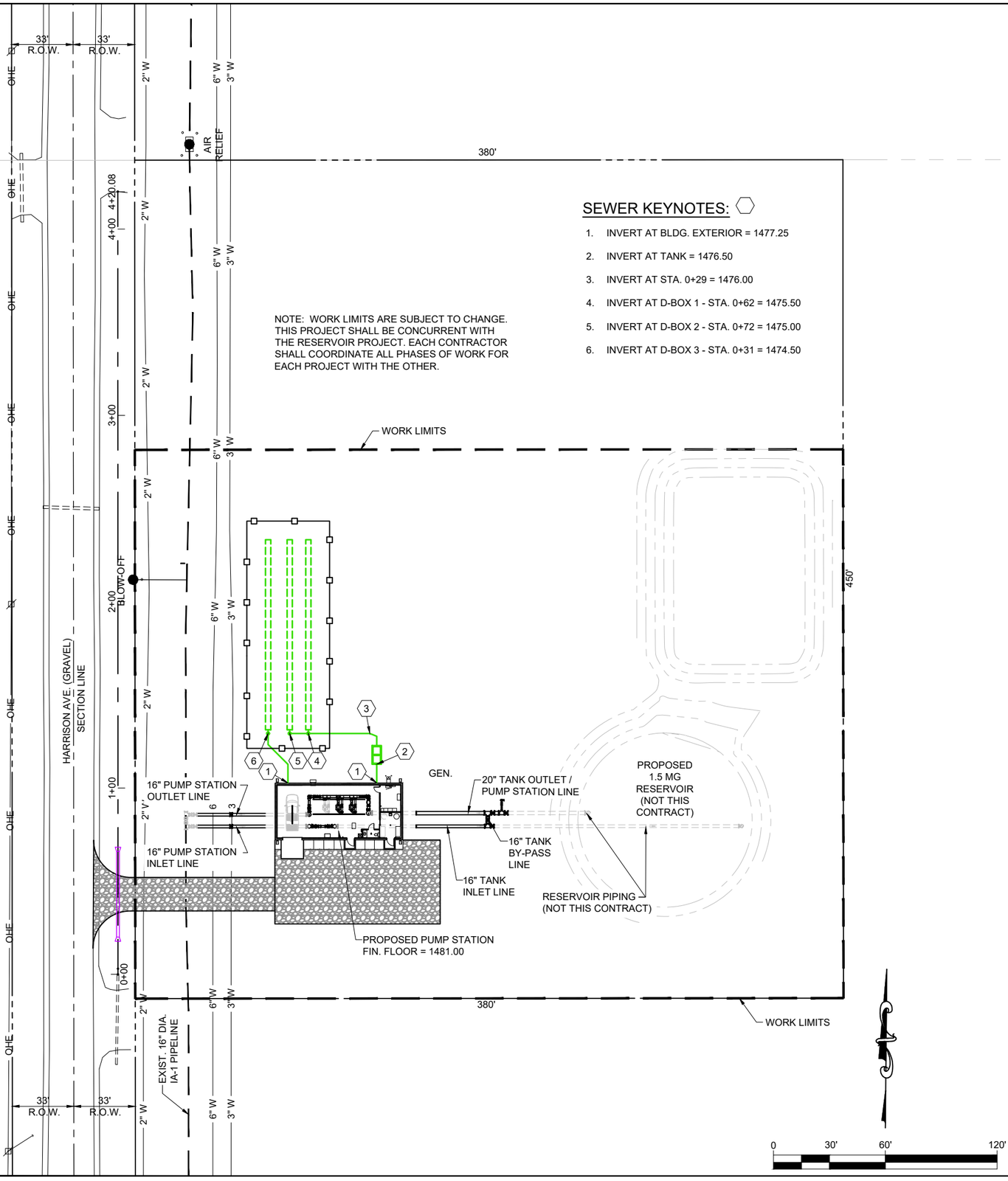

SEWER KEYNOTES:

1. INVERT AT BLDG. EXTERIOR = 1477.25
2. INVERT AT TANK = 1476.50
3. INVERT AT STA. 0+29 = 1476.00
4. INVERT AT D-BOX 1 - STA. 0+62 = 1475.50
5. INVERT AT D-BOX 2 - STA. 0+72 = 1475.00
6. INVERT AT D-BOX 3 - STA. 0+31 = 1474.50

GENERAL NOTES:

1. CONTRACTOR WILL BE RESPONSIBLE TO HAVE ALL UTILITIES LOCATED PRIOR TO EXCAVATION.
2. WATERLINE SHALL BE LAID WITH A MINIMUM COVER OF SIX FOOT (6'-0").
3. INSTALL TRACER WIRE ON ALL WATERLINES. INSTALL CONNECTION POINTS AT VALVES AND STRUCTURE EXTERIORS.
4. ALL WATERLINE JOINTS SHALL BE RESTRAINED.

MATERIAL SCHEDULE

DESCRIPTION	QUANTITY
16" DIA. WATER MAIN	125 L.F.
16"x16"x16" DIA. TEE	1 EA.
16" DIA. GATE VALVE	2 EA.
16" DIA. M.J. PLUG	1 EA.
20" DIA. WATER MAIN	55 L.F.
20"x20"x16" DIA. TEE	1 EA.
20" DIA. GATE VALVE	2 EA.
20" DIA. M.J. PLUG	1 EA.
20"x20"x6" DIA. TEE	1 EA.
6" DIA. WATER MAIN	5 L.F.
6" DIA. GATE VALVE	1 EA.
BLOW-OFF VALVE	1 EA.

WATERMAIN NOTES:

INLET LINE NOTES:

STA. 0+00
CONNECT TO EXISTING 16" LINE
REMOVE 16" M.J. PLUG & SALVAGE TO OWNER. CONNECT TO VALVE WITH NEW M.J. RESTRAINT

OUTLET LINE NOTES:

STA. 0+00
CONNECT TO EXISTING 16" LINE
REMOVE 16" M.J. PLUG & SALVAGE TO OWNER. CONNECT TO VALVE WITH NEW M.J. RESTRAINT

CLEAR WATER NOTES:

STA. 0+00 TO 0+31±
FURNISH & INSTALL:
1 EA. - TRACER WIRE ACCESS BOX
10 L.F. - 4" PVC SEWER PIPE - SCH. 40
S. = 8.5%
1 EA. 45° PVC BEND
20 L.F. - 4" PVC SEWER PIPE - SCH. 40
S. = 8.5%
1 EA. 45° PVC BEND
2 L.F. - 4" PVC SEWER PIPE - SCH. 40
S. = 8.5%
32 L.F. - TRACER WIRE

STA. 0+31 CL. TO 104' RT.
FURNISH & INSTALL:
1 EA. - DISTRIBUTION BOX ASSEMBLY
2 L.F. - 4" PVC SEWER PIPE - SCH. 40
S. = AS NECESSARY
102 L.F. - INFILTRATOR CHAMBERS
S. = 0.00%
104 L.F. - TRACER WIRE

SEWER NOTES:

STA. 0+00 TO 0+25±
FURNISH & INSTALL:
1 EA. - TRACER WIRE ACCESS BOX
10 L.F. - 4" PVC SEWER PIPE - SCH. 40
S. = 7.5%
1 EA. - 1500 GA. 2-COMPARTMENT SEPTIC TANK
4 - L.F. - 4" PVC SEWER PIPE - SCH. 40
S. = 2.0%
25 L.F. - TRACER WIRE

STA. 0+25± TO 0+29±
FURNISH & INSTALL:
1 EA. - 45° PVC BEND
4 L.F. - 4" PVC SEWER PIPE - SCH. 40
S. = 2.0%
1 EA. - 4" 45° PVC BEND
4 L.F. - TRACER WIRE

STA. 0+29± TO 0+72
FURNISH & INSTALL:
33 L.F. - 4" PVC SEWER PIPE - SCH. 40
S. = 1.5%
1 EA. - DISTRIBUTION BOX ASSEMBLY
15 L.F. - 4" PVC SEWER PIPE - SCH. 40
S. = AS NECESSARY
1 EA. - DISTRIBUTION BOX ASSEMBLY
48 L.F. - TRACER WIRE

STA. 0+62 CL. TO 104' RT.
FURNISH & INSTALL:
2 L.F. - 4" PVC SEWER PIPE - SCH. 40
S. = AS NECESSARY
102 L.F. - INFILTRATOR CHAMBERS
S. = 0.0%
104 L.F. - TRACER WIRE

STA. 0+72 CL. TO 104' RT.
FURNISH & INSTALL:
2 L.F. - 4" PVC SEWER PIPE - SCH. 40
S. = AS NECESSARY
102 L.F. - INFILTRATOR CHAMBERS
S. = 0.0%
104 L.F. - TRACER WIRE

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PROJECT / SHEET TITLE :
LEWIS & CLARK HULL PUMP STATION
SITE PIPING PLAN
HULL, IOWA

REV.	DATE	DESCRIPTION
1	8/4/22	ADDENDUM NO. 3

JOB No.:	20000.49.01
DATE:	JULY 2022
DESIGNED BY:	B.E.N.
CHECKED BY:	B.A.L.
DRAWN BY:	S.A.N.

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
1-2.3

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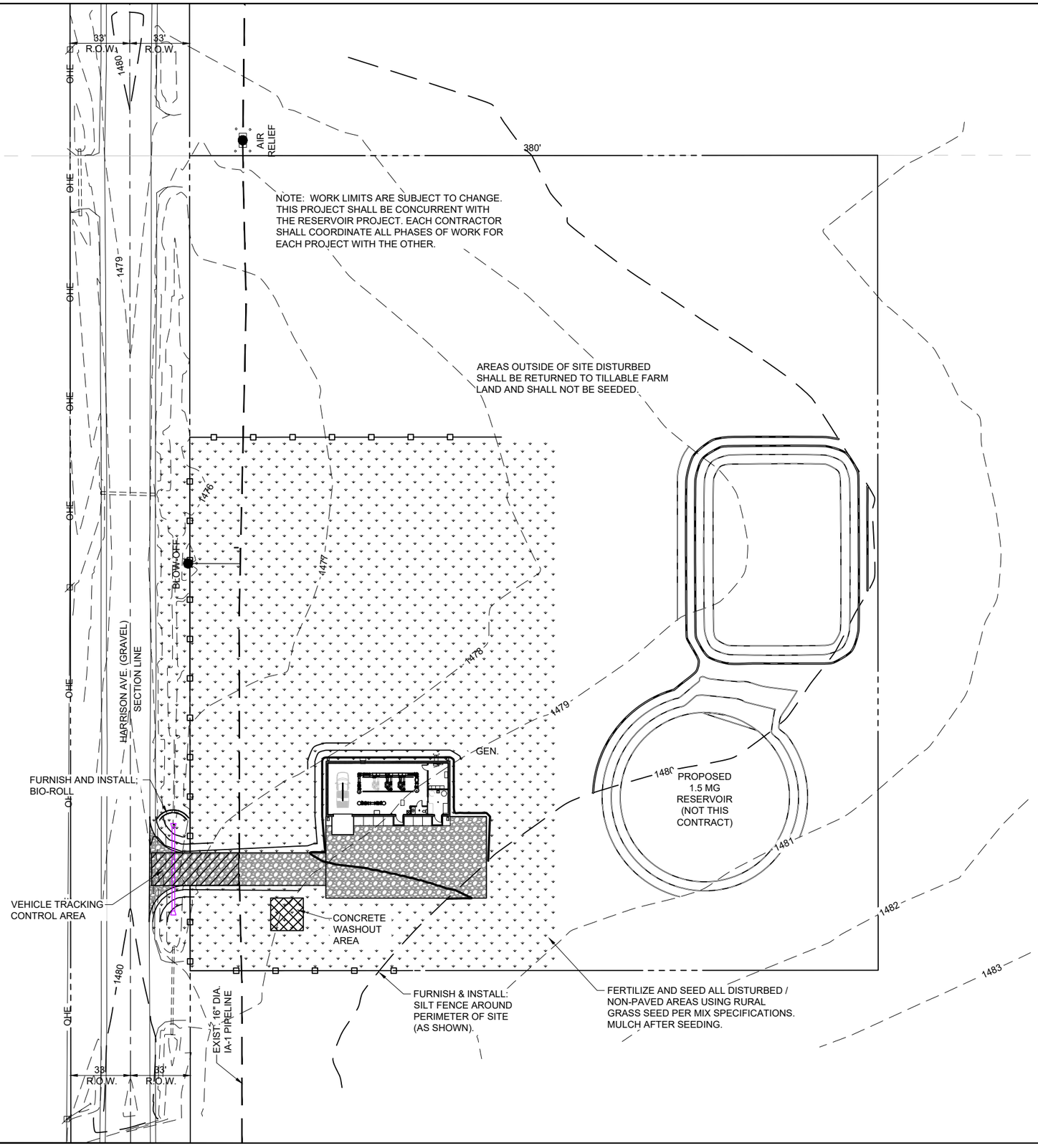

LEGEND

- MONUMENT FOUND
- MONUMENT SET THIS SURVEY 5/8" REBAR WITH STAMPED PLASTIC CAP
- TELEPHONE PEDESTAL
- POWER POLE
- TRANS — ELECTRIC TRANSFORMER
- FIRE HYDRANT
- WATER VALVE
- UGE — UNDERGROUND ELECTRIC LINE
- UGT — UNDERGROUND TELEPHONE
- W — WATER LINE
- OHE — OVERHEAD ELECTRIC LINE
- 1295 — EXISTING CONTOUR LINE
- ST — PROPOSED STORM SEWER
- 1295 — NEW CONTOUR LINE
- x — BARBWIRE FENCE
- PROPERTY LINE
- CHAINLINK FENCE
- CONCRETE SURFACE
- GRAVEL SURFACE
- GRASS SURFACE
- SILT FENCE
- TEMPORARY VEHICLE CONSTRUCTION ENTRANCE (SEE DETAIL ON SHT. 2.7)
- CONCRETE WASHOUT AREA (SEE DETAIL ON SHT. 2.7)
- BIO-ROLL

0 30' 60' 120'

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PROJECT / SHEET TITLE:
LEWIS & CLARK HULL PUMP STATION
EROSION CONTROL PLAN
HULL, IOWA

REV	DATE	DESCRIPTION
1	8/4/22	ADDENDUM NO. 3

JOB No.:	20000.49.01
DATE:	JULY 2022
DESIGNED BY:	B.E.N.
CHECKED BY:	B.A.L.
DRAWN BY:	S.A.N.

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No.:
1-2.4

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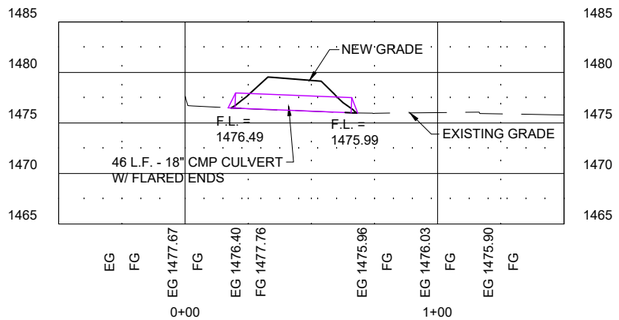
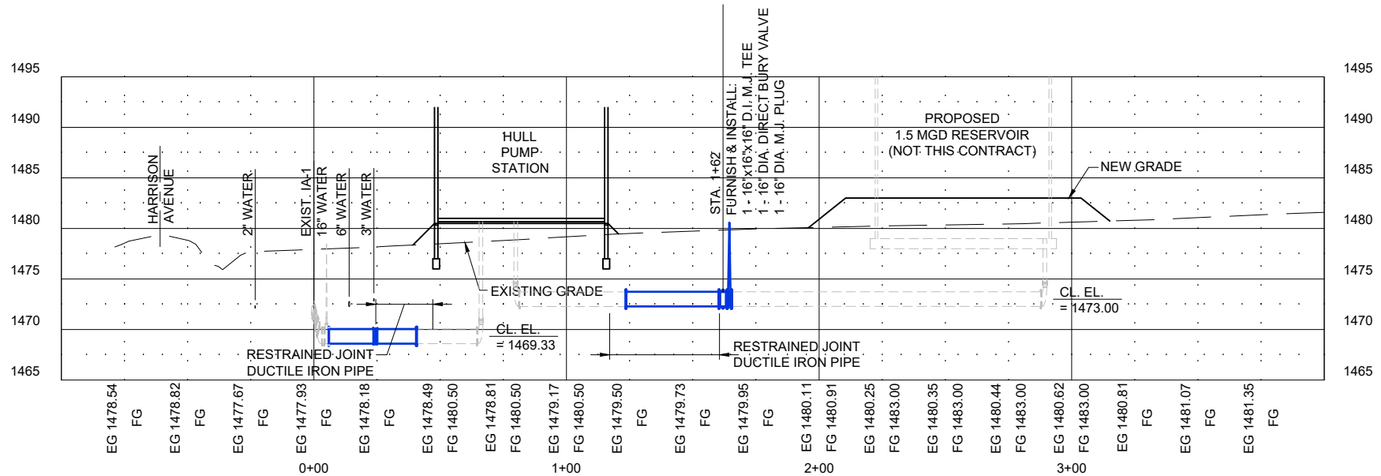


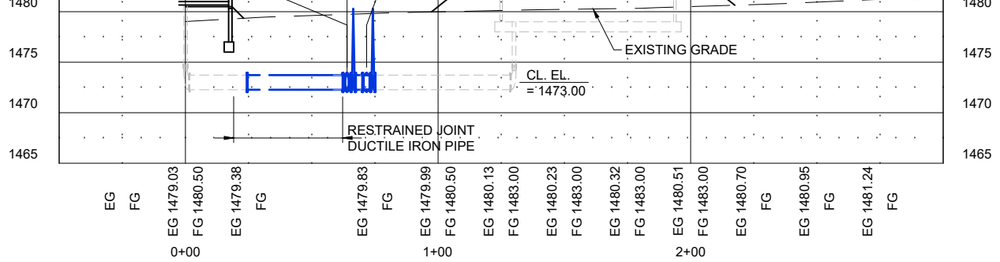
CULVERT PROFILE

SCALE: 1" = 60' HORIZ.
1" = 15' VERT.



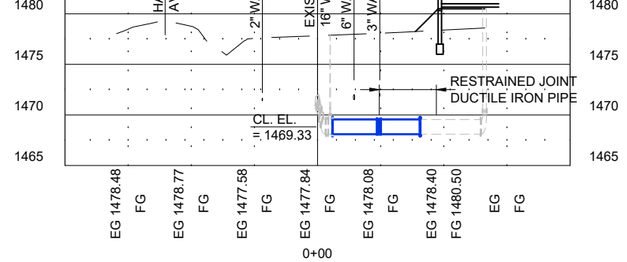
16" DIA. TANK INLET PIPING

SCALE: 1" = 60' HORIZ.
1" = 15' VERT.



20" DIA. TANK OUTLET PIPING

SCALE: 1" = 60' HORIZ.
1" = 15' VERT.



16" DIA. PUMP STATION OUTLET PIPING

SCALE: 1" = 60' HORIZ.
1" = 15' VERT.

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PROJECT / SHEET TITLE :
LEWIS & CLARK HULL PUMP STATION
PIPING PROFILES
HULL, IOWA

REV.	DATE	DESCRIPTION
1	8-4-22	ADDENDUM No. 3

JOB No.:	20000.49.01
DATE:	JULY 2022
DESIGNED BY:	B.E.N.
CHECKED BY:	B.A.L.
DRAWN BY:	S.A.N.

0" 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
1-2.5

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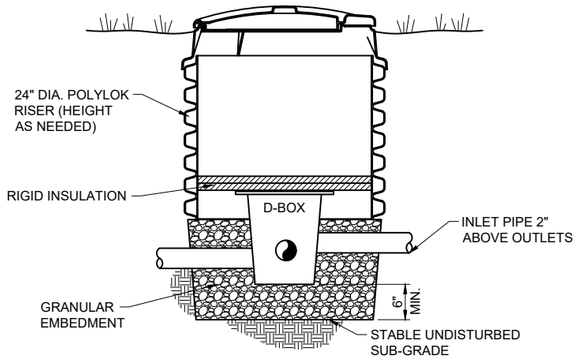
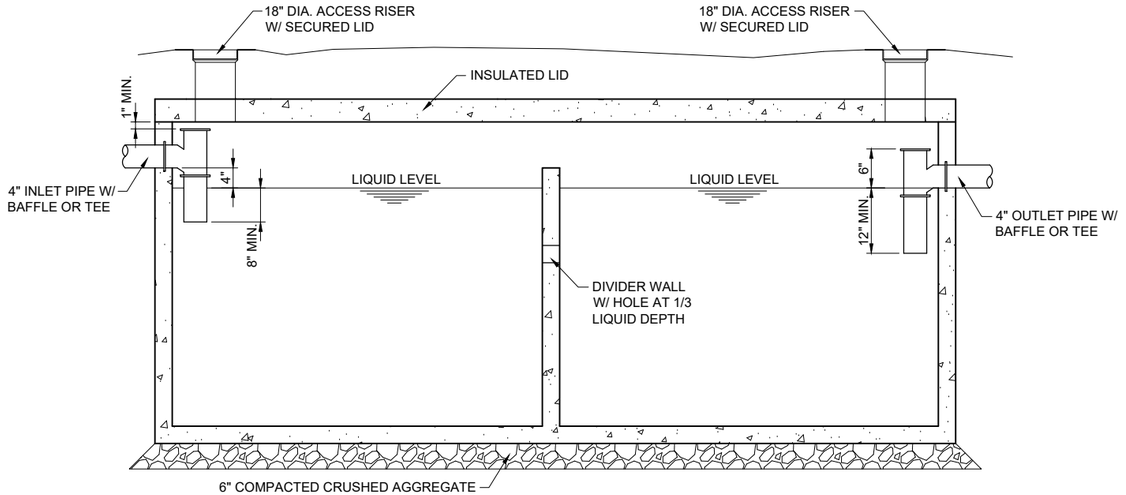


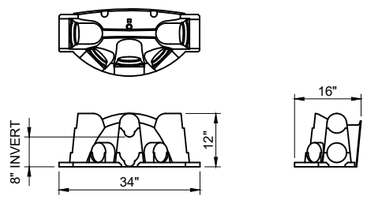
DISTRIBUTION BOX & ENCLOSURE

SCALE : NONE



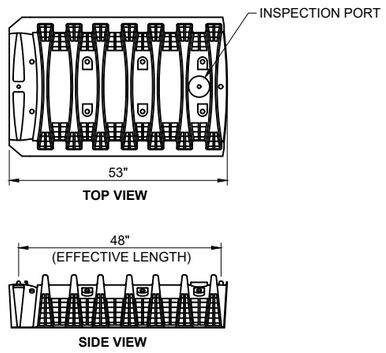
1500 GALLON 2-COMPARTMENT PRECAST CONCRETE SEPTIC TANK

SCALE : NONE



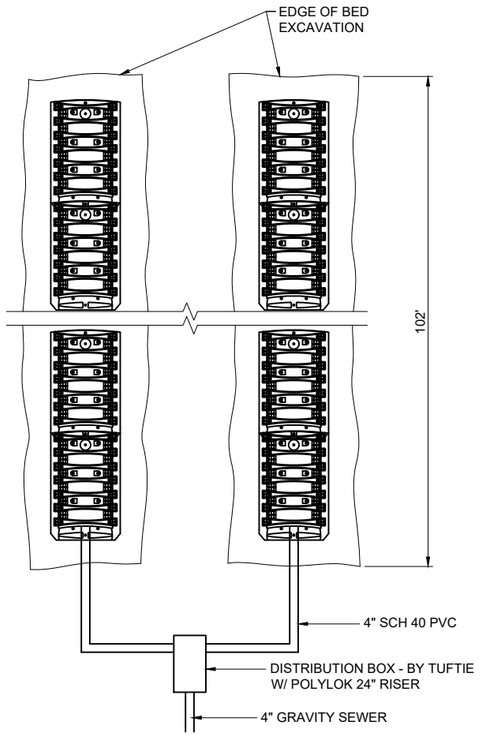
INFILTRATOR SYSTEMS END CAP

SCALE : NONE



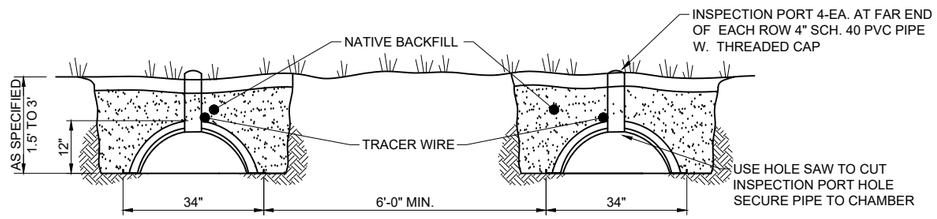
INFILTRATOR SYSTEMS CHAMBER DETAILS

SCALE : NONE



GENERAL NOTES:

1. CONSTRUCTION & MATERIALS SHALL COMPLY WITH IOWA DNR RULES AND REGULATIONS IAC 567 - CHAPTER 69 AND THOSE SPECIFICATIONS IN THE PROJECT MANUAL.
2. IF ANY ALTERNATE EQUIPMENT OR PRODUCTS TO THOSE SPECIFIED ARE PROPOSED TO BE USED, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL.
3. PIPE USED FOR THE INCOMING AND OUTGOING LINES FOR THE SEPTIC TANK AND THAT USED FOR THE TRENCH DISTRIBUTION PIPE SHALL BE GASKETED SCHEDULE 40 PVC.
4. TREATMENT AREA PREPARATION: GRASS, SHRUBS AND TREES SHALL BE CUT CLOSE TO THE GROUND SURFACE AND REMOVED. EXTREMELY HEAVY VEGETATION OR ORGANIC MATS SHALL ALSO BE REMOVED. THE SOIL BELOW THE CHAMBERS WHEN DRY SHALL BE SCARIFIED USING THE TEETH ON A BACKHOE BUCKET NOT TILLED. THE PREPARED SOIL WILL BE PROTECTED FROM ALL FORMS PRECIPITATION UNTIL THE CHAMBERS ARE INSTALLED AND BACKFILLED. NO PNEUMATIC TIRED VEHICLES SHALL BE ALLOWED IN THE AREA OF THE TREATMENT AREA. ANY LARGE VOIDS THAT MAY OCCUR DURING EXCAVATION SHALL BE FILLED WITH AN APPROVED CLEAN, WASHED SAND.
5. THE INFILTRATOR CHAMBERS SHALL BE QUICK 4 STANDARD UNITS, MANUFACTURED BY INFILTRATOR SYSTEMS INC. AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. INCLUDE A MULTIPORT ENDCAP AT BOTH ENDS OF EACH ROW AND A SPLASH PLATE AT EACH INLET. THE INVERT OF THE EFFLUENT PIPE SHALL BE AT OR ABOVE THE HIGHEST ELEVATION OF THE CHAMBER SIDEWALL LOUVERS.
6. SEPTIC TANKS SHALL BE SET ON A LEVEL 6" COURSE OF 3/4" CRUSHED, WASHED AGGREGATE.
7. ALL JOINTS BETWEEN TANK SECTIONS SHALL BE SEALED WITH CONSEAL BUTYL SEALANT OR EQUIVALENT AND AN EXTERIOR JOINT WRAP TO FORM A COMPLETELY WATER-TIGHT SEAL. RISER SYSTEMS SHALL BE CONNECTED TO THE TANK WITH IN AN APPROPRIATE MANNER TO FORM A COMPLETELY WATER-TIGHT SEAL.
8. ALL TANK PENETRATIONS AND RISER ASSEMBLY SHALL BE MADE WATER-TIGHT.



CHAMBER TRENCH DETAILS

SCALE : NONE

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PROJECT / SHEET TITLE :

LEWIS & CLARK HULL PUMP STATION

SEPTIC SYSTEM DETAILS

HULL, IOWA

REV.	DATE	DESCRIPTION
1	8-4-22	ADDENDUM No. 3

JOB No.:	20000.49.01
DATE:	JULY 2022
DESIGNED BY:	S.D.L.
CHECKED BY:	B.A.L.
DRAWN BY:	S.A.N.

0 1/2" 1"
SCALE REDUCTION BAR

SHEET No. :
1-2.6

WEST PLAINS ENGINEERING, INC.

Addendum

Date: 8/4/2022

Project: Hull Pump Station and Sheldon Meter Building

To: All Bidders

Project #: BS22025

From: Connor Swiontek, Todd Weidner

Project Location: Hull, IA and Sheldon, IA

Addendum Number: 3

To: All prime contract bidders and all others to whom Drawings and Specifications have been issued by the Engineer. Acknowledge receipt of the Addendum by inserting its number and date on the Bid Form. Failure to do so may subject bidder to disqualification. This Addendum forms a part of the Contract Documents. It modifies them as follows:

Product Approvals

The manufacturers and products, which are listed in the following texts, are approved for bidding. Final acceptance is contingent upon receipt and approval of final shop drawings. Manufacturer shall conform to all warranties, performances, size, etc., as the item specified. The burden of proof of the merit of the proposed substitution is upon the proposer. Those items not specifically listed by addendum shall not be approved for bidding.

Section	Description	Manufacturer
	Gas Fired Unit Heaters	Modine
	Electric Heaters	QMARK

Specifications

Section 221006 Plumbing Piping Specialties

1. **Clarification –** Trench drain will be scheduled as plans, disregard notes in spec, trench drain will be Jay R Smith 9812 with stainless steel grate or equal.

Drawings

Sheet 1-15.2 Hull Plumbing Plan

1. Piping to plumbing fixtures in restroom is mirrored. 1/2" CW, 1/2" HW, 1-1/2" Vent, 2" Waste to route to lavatory and 1/2" CW, 2" Vent, 4" Waste to route to water closet. Coordinate final locations of fixtures with general contractor.

Sheet 1-15.3 Hull HVAC Plan

1. Route exhaust fan out sidewall does not roof as shown. Terminate with wall cap.

Sheet 2-15.1 Sheldon Underfloor Plumbing Plan

1. Trench drains shall have 2 waste connections with 2" vent routed to wall. Waste connection shall be at end of both trench drains forming L. Tie vents above floor into nearest vent main.

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F: (605) 348-9445

SIOUX FALLS, SD
ELEC SPECIALTIES
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F: (605) 362-3759

BISMARCK, ND
P: (701) 751-7322
F: (605) 348-9445

CASPER, WY
P: (307) 234-9484
F: (307) 234-5494

CEDAR RAPIDS, IA
P: (319) 365-0030
F: (319) 365-4122

Sheet 2-15.2 Sheldon Plumbing Plan

2. Piping to plumbing fixtures in restroom is mirrored. 1/2" CW, 1/2" HW, 1-1/2" Vent, 2" Waste to route to lavatory and 1/2" CW, 2" Vent, 4" Waste to route to water closet. Coordinate final locations of fixtures with general contractor.

Sheet 2-15.3 Sheldon HVAC Plan

1. Route exhaust fan out sidewall does not roof as shown. Terminate with wall cap.

Sheet 1-18.1 Hull Electrical Plan

1. Note 1 addressing 1-1/2 Conduit to be 2" Conduit.
2. Outlet in restroom shall be connected into circuit LP-2.
3. Outlet in control room shall be connected to circuit LP-16.

Sheet 1-18.2 Hull Electrical Floorplan

1. Move the exterior light switch for the chemical room to inside the building on the latch side of the door.

Sheet 1-18.3 Hull Electrical Details.

1. 125 A feeder to be 1-1/2" Conduit.
2. VFD shall be sized for a 125 hp pump.
3. Feeders to VFD and to pumps #1,2 and 3 shall be changed to 3#4/0 & 1#4 GND in a 2-inch conduit to VFD & to motors.
4. Electrical note 5 remove the following sentence 'Provide 60A panelboard feeder as required'

Sheet 1-18.4 Hull Electrical Schedules Distribution Panel 'DP'

1. Change circuit breakers for circuits 1,2 and 3 for the booster pumps to 225A/3P circuit breakers.

Sheet 1-18.4 Hull Electrical Schedules Panel 'LP'

1. Change circuit breaker for AC-1 to 90A/3P with wire size #3.
2. Change circuit breaker for AC-2 to 100A/3P with wire size #3.

Sheet 2-18.1 Sheldon Meter Electrical Floorplan

1. Outlet for water analyzer (identified by note 1) shall be connected to circuit LP-4.

Sheet 2-18.2 Sheldon Meter Electrical Floorplan

1. Light switch in chemical feed room shall be a three-way switch.

Sheet 2-18.3 Sheldon Meter Electrical Floorplan

1. Note #3: generator shall be 36KW/45KVA & 125A breaker.
2. One line: feeder from generator shall be 125A – wire size indicated is correct for 125A.

Sheet 2-18.4 Sheldon Meter Electrical Details

1. Panel LP shall be 200 Amp MLO.
2. Circuit 27,29 shall be a space.
3. Circuit 15,17 shall have a 70A circuit breaker with wire size #6.

Questions and Clarifications

Is EMT conduit allowed in the electrical rooms?

1. Yes.

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Should conduit be rigid if exposed or emerging from grade?

1. Yes.

Is PVC conduit allowed in the facility?

1. No

Who provides the electric heaters?

1. Provided by mechanical contractor. Coordinate install with electrical contractor.

END OF DOCUMENT – CDS

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PRE-BID MEETING MINUTES

DATE	Tuesday, July 26, 2022 @ 2:00 pm	
PROJECT	Lewis & Clark – Hull Pump Station and Sheldon Meter Building	BAI No. 20000.49
SUBJECT	Pre-Bid Meeting	
LOCATION	Lewis & Clark Office, 46986 Monty Street, Tea, SD 57064	
ATTENDEES		
	(See attached Attendance Roster)	

1. SIGN-IN & INTRODUCTIONS

2. SCOPE OF WORK:

- Hull Pump Station: New pump station located south of the intersection of 340th St and Harrison Ave. Outside dimensions are 30'-8"x68'-8".
  - Includes two (2) 125 Hp vertical multistage pumps.
  - Bid Alternate No. 1: 3rd 125 Hp pump, VFD, piping and accessories.
- Sheldon Meter Building. New meter building located at the site of Sheldon's water treatment plant at 600 N 2nd Ave. Outside dimensions are 22'x36'.
- The work includes all piping, fittings, pumps, motors, VFDs, meters, gauges, valves, and appurtenances including but not limited to isolation valves, control valves, combination air valves, check valves, chemical feed and storage systems and telemetry & control systems as required at each location.
- The work includes all electrical and mechanical equipment and systems, including generators.
- Site work includes, but is not limited to:
  - Excavation, fill, grading, utilities, access road construction, parking area, fencing and site topsoiling, seeding and restoration.
  - Ductile iron site piping connections on inlet and outlet sides of the buildings including corrosion protection (galvanic anodes).
  - Sanitary sewer piping and connections to septic systems.
- Clean-up and start-up services, and all other miscellaneous work required not herein mentioned but inferred from the construction Contract Documents.

3. FUNDING:
    A. Funding through US Bureau of Reclamation (USBOR) for Base Bid.
    B. State of Iowa for Bid Alternate No. 1.

4. DELVERY OF BIDS: Bids shall be prepared and delivered in a sealed envelope to Lewis & Clark Regional Water System, 46986 Monty Street, Tea, SD 57064, ATTEN: SEALED BID – HULL PUMP STATION & SHELDON METER BUILDING; not later than **2:00 pm** (local time – our clock) on **August 9, 2022**, at which time all bids will be read aloud publicly and in the presence of the bidders and their representatives.

5. OPENING OF BIDS: Bids will be opened and read aloud in the presence of Bidders and their representatives.

6. BID DOCUMENTS (Follow Information for Bidders)
    A. Use forms in Contract Documents and Specifications
    B. Attach to Bid Form (The following items):
        - Bid Form (acknowledge addenda, sign and attest bid)
            - Revised Bid Form issued by Addendum #2.
            - Lump Sum Bid Price (Base Bid)
            - Lump Sum Bid Price (Bid Alternate #1)
        - Bid Security (10% Bid Bond or 5% Cashier's Check)
        - Bidders Statement of Qualifications (Section 00450)
        - Representations, Certifications and Other Statements of Offerors (Form DI-2010, Parts A – E)
        - Part G - Certificate of Nondiscrimination
        - Part H - Elimination of Segregated Facilities
        - List of Subcontractors and Suppliers (Section 00440)
        - Evidence of Authority to do business in the state of the Project
        - Acknowledgement of Compliance with Buy American Domestic Procurement Preference Requirements
        - Acknowledgement of Compliance with Davis-Bacon Act requirements

7. PROJECT DEADLINES:
    A. Substantial Completion: October 27, 2023
        I. Liquidated Damages: $550 for each day after substantial completion for extended Engineering and Owner's Staff Costs
        II. Liquidated Damages: $1000 for each day after substantial completion for loss in water sales.
    B. Final Completion: December 15, 2023
        I. Liquidated Damages: $300 for each day after final completion
    C. Bryan Lipp (BL) asked if anyone could see any issues with meeting the project deadlines. Jim Haack (JH) indicated that current generator lead times from several manufacturers

are 70-80 weeks. Tanner Lambert (TL) indicated that he as seen ductile iron pipe lead times of 8-12 months for American Iron & Steel.

8. BASIS OF AWARD AND OWNER'S BIDDING RIGHTS:
    A. If the Contract is to be awarded, the Contract will be awarded to the Bidder whose evaluation by the Owner indicates to the Owner that the award will be in the best interests of the Project.

9. PROJECT ADDENDA:
    A. ADDENDUM 1: Issued 7/15. Buy America Domestic Procurement Preference.
    B. ADDENDUM 2: Issued 7/22. Clarifications to Buy America Domestic Procurement Preference and Davis-Bacon Act.
    C. If an addendum is to be issued, it will be issued in a timely manner, if possible.
    D. Bidders will be made aware of addendums via fax or email. All addendums can also be found and printed off of the website at www.bannerassociates.com and located under Bid Information. An updated planholder's list is also available for download from the same site.

10. AGREEMENT:
    A. Agreement is included in the Contract Documents.
    B. Construction performance and payment bonds required in the amount of 100% of the contract award for each bond.

11. COORDINATION
    A. Refer to Section 01040 – Coordination/Sequence of Construction
    B. Notes of Interest:
        I. Hull Reservoir: 1.5 MG concrete ground storage reservoir adjacent to Hull Pump Station. Anticipated to start construction in 2023 and end late 2024.
        II. Sheldon: Meter building is adjacent to existing water treatment facilities. Impacts to existing facilities must be kept to a minimum.

12. ENVIRONMENTAL ISSUES:
    A. Refer to Section 01100 – Environmental Quality Protection paragraph 3.5.

13. GEOTECHNICAL AND OTHER INFORMATION:
    A. Refer to Section 00800 – Supplementary Conditions.

14. PERMITS, FEES, & UTILITIES:
    A. Contractor responsible for all permits, filing permits, fees, security, temporary utilities, etc.
    B. Owner will be responsible for the costs associated with bringing new utility services to the project sites; Contractor will be responsible for all costs of temporary utilities during construction.

15. PAYMENTS:
    A. Monthly

B. 10% retainage until the work is 50% complete (Paragraph 6.02 of Agreement)

16. FIELD ENGINEERING/SURVEYING:
    A. Surveying (Section 01050):
        I. Engineer will establish major survey control points.
        II. All other surveying work by the CONTRACTOR.
        III. Engineer may perform check surveys for grade and quantities.

17. QUALITY CONTROL SERVICES (Section 01400):
        I. Quality control testing to be performed and paid for by Contractor for concrete, soils density, moisture, gradations, etc.
        II. The Owner reserves the right to sample and test any or all materials at no cost to the contractor.

18. WARRANTY
    A. 2-year warranty period as stated in the Supplementary Conditions paragraphs SC 5.01.A and SC 13.07A.

19. OWNER FURNISHED MATERIAL
    A. No Owner furnished materials.

20. PRECONSTRUCTION CONFERENCE:
    A. Preconstruction conference will be held within 10 days after Notice-to-Proceed and prior to mobilization to site.
    B. Contractor's key personnel are required to attend, including principal subcontractors and supplier's representatives. All governing agencies and utilities shall also be invited to attend.

21. BUREAU OF RECLAMATION COMMENTS:
    A. Not Present.

22. OTHER AGENCY COMMENTS:
    A. Not Present.

23. OWNER COMMENTS:
    A. Jim Auen (JA) indicated that this is a high profile project and there could be VIPs stopping and touring the projects.
    B. JA said to ask the engineering team any questions that come up.

24. QUESTIONS:
    A. Engineer's Estimate: $3,000,000 to $3,500,000.

CONTACT PERSONS:

BANNER ASSOCIATES, INC.
Bryan Lipp – Project Manager; Civil & Process; bryanl@bannerassociates.com
Adam Hanson – Structural Lead; adamh@bannerassociates.com
David Lorang – Architect; davel@ bannerassociates.com
Taylor Fauth – Process; taylorf@bannerassociates.com
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WEST PLAINS ENGINEERING
Todd Weidner – Electrical; Todd.Weidner@WestPlainsEngineering.com
Connor Swiontek – Mechanical; Connor.Swiontek@WestPlainsEngineering.com
Phone: 605.362.3753

PREPARED BY: Bryan Lipp, PE

Lewis & Clark
REGIONAL WATER SYSTEM

Pre-Bid Conference Roster Sheet

PROJECT: Hull Pump Station & Sheldon Meter Building

Pre-Bid DATE: July 26, 2022 - 2:00 pm

LOCATION: Lewis & Clark Office, Tea, SD

NAME/REPRESENTING	ADDRESS	PHONE/FAX #'s	E-MAIL
Kristin Bisgard Banner Associates, Inc	409 22nd Ave. South Brookings, SD 57006	Phone: 605.692.6342 Fax: 605.692.5714	kristinb@bannerassociates.com
Bryan Lipp Banner Associates, Inc	409 22nd Ave. South Brookings, SD 57006	Phone: 605.692.6342 Fax: 605.692.5714	bryanl@bannerassociates.com
Jim Haack Interstates	1476 4th Ave North Sioux Center, IA	Phone: 712-635-2154 Fax:	jim.haack@interstates.com
Jeffrey Dekam Interstates	1476 4th Aven North Sioux Center, IA	Phone: 712-460-0790 Fax:	jeffrey.dekam@interstates.com
Clint Koehn L&C Regional Water	46986 Monty St. Tea SD 57064	Phone: 605-368-2400 Fax:	ckoehn@lcrws.org
Jim Auen L&C RWS		Phone: 605 310-8306 Fax:	JAUEN@LCRWS.org
Zoom: Tanner L. RP Constructors	1270 S. Derby Lane North Sioux City, SD	Phone: 712-301-9962 Fax:	tannerl@rpconstructors.com
		Phone: Fax:	
		Phone: Fax:	
		Phone: Fax:	