

City of Pearl, MS
Southeast Sanitary Sewer Improvements (Airport Road)
Pickering Firm, Inc. Project 26917.00

Plans, Specifications, and Contract Documents

TO: ALL PLANHOLDERS

FROM: Jonathan McLeod, PE

DATE: Monday, 15 November 2024

The Plans, Specifications, and Contract Documents for this Project shall be amended as follows:

ADDENDUM #1

BIDDING DOCUMENTS

1. Contract Time

The contract time is 540 days. In the Agreement this is stated incorrectly in words, and correct numerically; Replace “Four Hundred Fifty” with “Five Hundred Forty”

2. Bid Form / Measurement & Payment

Revised Bid Form attached. Revised Measurement & Payment attached.

BID MUST BE SUBMITTED ON REVISED BID FORM

BASE BID

1-1 – Added “Clearing & Grubbing”

14-1 – Added “12” Gravity Sewer”

14-2 – Added “48” Dia. Manhole”

16 – Modified to “Duplex Lift Station Pumps & Appurtenances”

16-1 – Added “70” Dia. Precast Concrete Wet Well”

21-1 – “Added Lift Station & Access Road – Sitework & Grading”

ALTERNATE 1

24 – Modified to “8” Gravity Sewer, Lift Station Property”

24-1 – Added “8” Gravity Sewer, Hwy 475/Reuben Brown Rd”

25 – Modified to “48” Dia. Manhole, Lift Station Property”

25-1 – Added “48” Dia. Manhole, Hwy 475/Reuben Brown Rd”

46 – Added “Mobilization/Demobilization, Alternate 1”

47 – Added “Clearing & Grubbing, Alternate 1”

ALTERNATE 2

Added Alternate 2, Item 14A Polymer Concrete Doghouse Manhole – 84” Dia. Base Section with 48” Dia. Riser

(Additive alternate for polymer concrete at Doghouse Manhole 1-A in lieu of precast concrete)

ALTERNATE 3

Added Alternate 3, Item 16-1A, 72” Dia. Polymer Concrete Wet Well

(Additive alternate for polymer concrete wet well in lieu of precast concrete)

PLANS & SPECIFICATIONS

1. Plan Sheets for Alternate 1, attached.

Added Plan Sheet C4.04; grinder pump station details

Added Plan Sheet C5.01; gravity sewer plan/profile Hwy 475/Reuben Brown Rd

Added Plan Sheet C5.02; gravity sewer plan/profile lift station property

2. Plan Sheet C4.01 & C4.02, attached.

Revised to delineate existing and proposed 12” gravity sewer upstream of lift station.

3. Plan Sheet SD1.04, attached.

Removed conflicting air valve housing; added note #3 regarding coating.

Added gravity sewer embedment detail.

4. Spec. Section 01025 Measurement and Payment, attached.

Revised to include bid form changes.

Added all alternate items.

5. Spec Section 02563 Sewage Force Mains

Remove High Density Polyethylene (HDPE) Pipe from Part 2 Products, 2.01 Pressure Pipe and Appurtenances, B. Directional Drilling

OTHER

1. Test Holes for railroad bore

The contractor may dig a test hole on the south side of the railroad tracks in the vicinity of the proposed gravity sewer. Must notify and coordinate access with the MS State Hospital, Clay Therrell, (601) 941-3313, clay.therrell@msh.ms.gov

2. West Rankin Utility Authority – Work in Easement & Doghouse Manhole 1-A

Work on the WRUA easement and connection shall be coordinated with WRUA:
Bruce Stephens, Executive Director
(601) 939-5620
bstephens@westrankin.com

3. Railroad Insurance and Flagging Requirements

The Contractor is to provide two separate insurance policies; One showing Kansas City Southern as the Certificate Holder on the Liability Insurance and the Insured on the Railroad Protective Liability insurance. Exact amounts and types of coverage are attached.

The Contractor is required to provide Construction Observation Roadway in Charge (RWIC) and Mobilization by KCS's authorized representative. Additional information and flagging services amounts are attached.

Add the attached "Kansas City Southern Railway Company Requirements" document to the SUPPLEMENTAL GENERAL CONDITIONS section of the Contract Documents.

4. Prebid Notes

Prebid meeting minutes are attached for information only.

ITEMS IN CONFLICT WITH THIS ADDENDUM ARE HEREBY DELETED.

THIS ADDENDUM IS TO BE ACKNOWLEDGED BY THE BIDDER ON THE BID FORM.

Pickering Firm, Inc.



Jonathan McLeod, PE
15 November 2024



BID FORM (modified by addendum 1)

PLACE: PEARL, MISSISSIPPI

DATE: _____

SOUTHEAST SANITARY SEWER IMPROVEMENTS (AIRPORT ROAD)

Bid of _____

(hereinafter called "BIDDER") organized and existing under the laws of the State of _____

_____ doing business as a _____.* (* Insert "a Corporation", "a

Partnership" or "an Individual" as applicable.)

TO: ATTN: City of Pearl
 2420 Old Brandon Road
 Pearl, MS 39208..... (hereinafter called "OWNER".)

GENTLEMEN:

The BIDDER, in compliance with your Invitation for Bids, having examined the Plans and Specifications with related documents and the site of the proposed work and being familiar with all of the conditions surrounding the construction of the proposed Project, including the availability of materials and labor, hereby proposes to furnish all labor, materials, supplies and to construct the Project in accordance with the Contract Documents within the time set forth therein and at the Unit Prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents of which this Proposal is a part.

The BIDDER further understands that the OWNER reserves the right to reject any or all Bids and waive informalities in the Bidding.

The BIDDER agrees that this Bid shall be valid and may not be withdrawn for a period of sixty (60) calendar days after the scheduled closing time for receiving Bids.

Bidder understands that the quantities mentioned below are approximate only and are subject to either increase or decrease, and hereby proposes to perform any increased or decreased quantities of work at the Unit Price bid.

In accordance with the requirements of the Plans, Specifications and Contract Documents, Bidder proposes to furnish all necessary materials, equipment, labor, tools and other means of construction and to construct the Project in accordance with the Contract Documents within the specified Contract Time for the following Unit Prices:

(NOTE: Final amount are to be shown in **both** words and **figures**. In case of discrepancy, the amount shown in **words** will govern.)

Unit Prices shall include all labor, equipment, materials, bailing, shoring, removal,

overhead, profit, insurance, etc., to cover the finished work of the several kinds called for.

All erasures, changes or alterations of any kind must be initialed by the Bidder.

BASE BID

ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
1	Mobilization / Demobilization	LS	1		
1-1	Clearing & Grubbing	LS	1		
2	6" Force Main (Open Cut)	LF	8,788		
3	6" Force Main (Horizontal Directional Drill)	LF	1,030		
4	6" Force Main (Installed In Casing)	LF	470		
5	12" Steel Casing (Bored)	LF	470		
6	40" Steel Casing (Bored – Highway 468)	LF	115		
7	40" Steel Casing (Bored – CPKCR Railroad)	LF	120		
8	18" Gravity Sewer (Open Cut)	LF	44		
9	27" Gravity Sewer (Open Cut)	LF	1,097		
10	27" Gravity Sewer (Installed in Casing – Highway 468)	LF	115		
11	27" Gravity Sewer (Installed in Casing – CPKCR Railroad)	LF	120		
12	60" Diameter Manhole (15' – 20' Depth)	EA	4		
13	60" Diameter Manhole (20' – 25' Depth)	EA	1		

14	Doghouse Manhole - 84" Dia. Base Section with 48" Dia. Riser	EA	1		
14-1	12" Gravity Sewer	LF	35		
14-2	48" Diameter Manhole	EA	2		
15	Combination Air Release & Vacuum Valve	EA	2		
16	Duplex Lift Station Pumps & Appurtenances	LS	1		
16-1	72" Dia. Precast Concrete Wet Well	LS	1		
17	Pump Station Piping, Fittings, Valves, Vault & Appurtenances	LS	1		
18	Electrical & Controls	LS	1		
19	Fencing	LS	1		
20	Seeding and Fertilizer	LS	1		
21	Erosion Control & SWPPP	LS	1		
21-1	Lift Station & Access Road – Sitework & Grading	LS	1		
22	#610 Crushed Stone (LVM)	CY	100		
23	Magnetic Flow Meter with Vault	LS	1		
TOTAL BASE BID:					

TOTAL BASE BID IN WORDS: _____

_____ **Dollars**

ALTERNATE 1

ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
24	8" Gravity Sewer, Lift Station Property	LF	449		
24-1	8" Gravity Sewer, Hwy 475/Reuben Brown Rd	LF	1003		
25	48" Dia. Manhole, Lift Station Property	EA	2		
25-1	48" Dia. Manhole, Hwy 475/Reuben Brown Rd	EA	7		
26	16" Steel Casing (Bored)	LF	200		
27	8" Gravity Sewer (Installed in Casing)	LF	200		
28	Grinder Lift Station – Reuben Brown Rd	EA	1		
29	Service Line & Connection - 108 Brinston Rd	LS	1		
30	Service Line & Connection - 111 Brinston Rd	LS	1		
31	Service Line & Connection - 103 Jones Drive	LS	1		
32	Service Line & Connection - 123 Jones Drive	LS	1		
33	Service Line & Connection - 1890 Old Whitfield Rd	LS	1		
34	Service Line & Connection - 1891 Old Whitfield Rd	LS	1		
35	Service Line & Connection - 1896 Old Whitfield Rd	LS	1		
36	Service Line & Connection - 1897 Old Whitfield Rd	LS	1		
37	Service Line & Connection - 1898 Old Whitfield Rd	LS	1		

38	Service Line & Connection - 1908 Old Whitfield Rd	LS	1		
39	Service Line & Connection - 1903 Old Whitfield Rd	LS	1		
40	Service Line & Connection - 111 Tokins	LS	1		
41	Service Line & Connection - 916 Hwy 475	LS	1		
42	Service Line & Connection - 917 Hwy 475	LS	1		
43	Service Line & Connection - 920 Hwy 475	LS	1		
44	Service Line & Connection - 932 Hwy 475	LS	1		
45	Service Line, Grinder Lift Station, & Force Main - 169 Sweet Home Church Rd	LS	1		
46	Mobilization/Demobilization, Alternate 1	LS	1		
47	Clearing & Grubbing, Alternate 1	LS	1		
TOTAL ALTERNATE 1:					

TOTAL ALTERNATE 1 IN WORDS: _____

_____ **Dollars**

ALTERNATE 2

ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
14A	Polymer Concrete Doghouse Manhole - 84" Dia. Base Section with 48" Dia. Riser	EA	1		

TOTAL ALTERNATE 2 IN WORDS: _____
 _____ Dollars

ALTERNATE 3

ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
16-1A	72" Dia. Polymer Concrete Wet Well	LS	1		

TOTAL ALTERNATE 3 IN WORDS: _____
 _____ Dollars

NOTE: The Bidder must bid any and all Alternates, if applicable. The City of Pearl reserves the right to select any, all, or none of the Alternates; whatever may be to the advantage of the City. The OWNER will award the Construction Contract to the lowest and best, responsive Bidder for the Base Bid plus selected Alternate(s), if any, unless the City elects to reject all bids. Reordering of the bids due to selection of Alternates is not the responsibility of the City.

Upon the receipt of written notice of acceptance of this Bid, the BIDDER will execute the formal Contract (attached) within ten (10) days and deliver the Surety Bonds and Certificates of Insurance as required by the General Conditions.

BIDDER hereby agrees to commence work under this Contract on or before a date to be specified in written "Notice to Proceed" of the OWNER and to fully complete the Project within **540** consecutive calendar days thereafter as stipulated in the Specifications. BIDDER further agrees to pay as liquidated damages the sum of **Seven Hundred Fifty and 00/100 Dollars (750.00)** for each consecutive calendar day thereafter as hereinafter provided in Paragraph 17 of the General Conditions.

The BID SECURITY attached in the sum of _____ DOLLARS (\$_____) is to become the property of the City of Pearl in the event the Contract and Contract Bonds are not executed within the time set forth as liquidated damages for the delay and additional expense to the City of Pearl.

BIDDER acknowledges receipt of the following Addenda:

<u>Addendum No.</u>	<u>Date</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Respectfully submitted,

(Contractor)

BY: _____

(Business Address)

(SEAL - if Bid is by a Corporation)

Attachments:

SECTION 01025

MEASUREMENT AND PAYMENT

1.1 DESCRIPTION

- A. Contractor to furnish all labor, materials, tools, equipment, appurtenances and all services necessary to perform all work required, at the contract prices set forth in the Contract Agreement.
- B. No direct or separate payment will be made for providing miscellaneous temporary or accessory works, plant, services, Contractor's or Engineer's field offices, layout surveys, job signs, sanitary requirements, testing, safety devices, approval and record drawings, water supplies, power, removal of waste, watchmen, bonds, insurance, traffic management, erosion and sediment controls, pollution controls, and all other requirements of the Contract Documents. Compensation for all such services, things and materials to be included in the contract prices bid.

1.2 COMPENSATION

A. GENERAL:

- 1. The compensation as herein provided constitutes full payment for performance of the work. The compensation will further constitute full payment for all materials, labor, and equipment, and incidental items of construction furnished by the Contractor.
- 2. Material or work for which a Pay Item is not included in the Contract which is necessary to complete the work as contemplated under any section in the Specifications, furnished or performed, and is considered incidental to the completed construction no additional payment will be made.
- 3. There shall be no compensation for bypass pumping or dewatering.

B. ALLOWANCE ITEMS:

- 1. Payment for item(s) of work of this contract for which specific information is necessary to develop a bid price is not available prior to bidding; the allowance provides adequate budget and bonding to constitute full compensation for furnishing all labor, materials, and equipment, and performing any associated Contractor quality control, environmental protection, meeting safety requirements, test and reports, and for performing work defined within the allowance.
- 2. Payment to the Contractor for work on Allowance Item(s) represents direct costs associated with the item.
- 3. No Contractor markup permitted on Allowance Item(s).

1.3 PAY ITEMS – BASE BID

1. Mobilization / Demobilization

A. Payment Schedule: Payment will be made for mobilization and demobilization at the Contract Lump Sum Price according to the schedule located in Section 01110 Mobilization – Demobilization.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
Mobilization / Demobilization	Lump Sum

1-1 Clearing & Grubbing

A. Measurement: Clearing and grubbing shall be considered as a unit of work (Lump Sum).

B. Basis of Payment: Clearing and grubbing shall be paid for at the Contract Lump Sum price bid, which shall be full compensation for the removal and disposal of all trees and stumps, roots, vegetation, or any other waste material and debris within the limits of easements; and all other materials, equipment, tools, labor and incidentals necessary to complete the work.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
Clearing & Grubbing	Lump Sum

2. 6” Force Main (Open Cut)

A. Measurement: Based per linear foot supplied and installed in accordance with the plans and specifications

B. Basis of Payment: This item will be paid at the Contract Unit Price bid per linear foot including pipe, fittings, clearing and grubbing, pits, trenches, select backfill, warning tape and/or tracer wire, and site restoration. The unit price includes all material, shoring, equipment and labor, disposal of any debris, waste, or excess material.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
6” Force Main (Open Cut)	Linear Feet

3. 6” Force Main (Horizontal Directional Drill)

A. Measurement: Based per linear foot supplied and installed by method of Horizontal directional drill.

B. Basis of Payment: This item will be paid at the Contract Unit Price bid per linear foot including all materials, and drilling equipment necessary to install 6” force main by method of directional drill.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
6” Force Main (Horizontal Directional Drill)	Linear Feet

4. 6” Force Main (Installed in Casing)

- A. Measurement: Based per linear foot supplied and installed inside casing.
- B. Basis of Payment: This item will be paid at the Contract Unit Price bid per linear foot including pipe, fittings, casing spacers, and all other materials and equipment necessary to install 6” force main inside steel casing.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
6” Force Main (Installed in Casing)	Linear Feet

5. 12” Steel Casing (Bored)

- A. Measurement: Based per linear foot supplied and installed by method of boring.
- B. Basis of Payment: This item will be paid at the Contract Unit Price bid per linear foot including steel casing, pits, boring equipment, and all other materials and equipment necessary to install 18” steel casing by method of boring.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
12” Steel Casing (Bored)	Linear Feet

6. 40” Steel Casing (Bored – Highway 468)

- A. Measurement: Based per linear foot supplied and installed by method of boring.
- B. Basis of Payment: This item will be paid at the Contract Unit Price bid per linear foot including steel casing, pits, boring equipment, and all other materials and equipment necessary to install 40” steel casing by method of boring.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
40” Steel Casing (Bored - Highway 468)	Linear Feet

7. 40” Steel Casing (Bored – CPKCR Railroad)

- A. Measurement: Based per linear foot supplied and installed by method of boring.
- B. Basis of Payment: This item will be paid at the Contract Unit Price bid per linear foot including steel casing, pits, boring equipment, and all other materials and equipment necessary to install 40” steel casing by method of boring as prescribed in Owners agreement with the railroad.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
40” Steel Casing (Bored - CPKCR Railroad)	Linear Feet

8. 18” Gravity Sewer (Open Cut)

- A. Measurement: Based per linear foot supplied and installed in accordance with the plans and specifications.
- B. Basis of Payment: This item will be paid at the Contract Unit Price bid per linear foot including

pipe, clearing and grubbing, pits, trenches, select backfill, select bedding and site restoration. The unit price includes all material, shoring, equipment and labor, disposal of any debris, waste, or excess material.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
18" Gravity Sewer (Open Cut)	Linear Feet

9. 27" Gravity Sewer (Open Cut)

- A. Measurement: Based per linear foot supplied and installed in accordance with the plans and specifications.
- B. Basis of Payment: This item will be paid at the Contract Unit Price bid per linear foot including pipe, clearing and grubbing, pits, trenches, select backfill, select bedding, and site restoration. The unit price includes all material, shoring, equipment and labor, disposal of any debris, waste, or excess material.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
27" Gravity Sewer (Open Cut)	Linear Feet

10. 27" Gravity Sewer (Installed in Casing – Highway 468)

- A. Measurement: Based per linear foot supplied and installed inside casing.
- B. Basis of Payment: This item will be paid at the Contract Unit Price bid per linear foot including pipe, fittings, casing spacers, and all other materials and equipment necessary to install 27" Gravity Sewer inside steel casing.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
27" Gravity Sewer (Installed in Casing – Highway 468)	Linear Feet

11. 27" Gravity Sewer (Installed in Casing – CPKCR Railroad)

- A. Measurement: Based per linear foot supplied and installed inside casing.
- B. Basis of Payment: This item will be paid at the Contract Unit Price bid per linear foot including pipe, fittings, casing spacers, and all other materials and equipment necessary to install 27" Gravity Sewer inside steel casing.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
27" Gravity Sewer (Installed in Casing –CPKCR Railroad)	Linear Feet

12. 60" Dia. Manhole (15' – 20' Depth)

- A. Measurement: Measurement for manholes measuring 15 – 20 vertical feet is based as per each supplied and installed in accordance with plans and specifications.

- B. Basis of Payment: This item will be paid at the contract unit price bid per each manhole supplied and installed, complete in place, with inlet and outlet connections, base section, channel, all riser sections, cone, frame and rim, manhole cover and all other materials and necessary items of work required.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
60" Dia. Manhole (15'-20' Depth)	Each

13. 60" Dia. Manhole (20' – 25' Depth)

- A. Measurement: Measurement for manholes measuring 20 – 25 vertical feet is based as per each supplied and installed in accordance with plans and specifications.
- B. Basis of Payment: This item will be paid at the contract unit price bid per each manhole supplied and installed, complete in place, with inlet and outlet connections, base section, channel, all riser sections, cone, frame and rim, manhole cover and all other materials and necessary items of work required.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
60" Dia. Manhole (20'-25' Depth)	Each

14. Doghouse Manhole 84" Dia. Base Section with 48" Dia. Riser

- A. Measurement: Measurement for doghouse manhole with 48" diameter riser based as per each supplied and installed in accordance with plans and specifications.
- B. Basis of Payment: This item will be paid at the contract unit price bid per manhole supplied and installed, complete in place, with inlet and outlet connections, base section, channel, all riser section, cone, frame and rim, manhole cover and all other materials and necessary items of work required.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
Doghouse Manhole - 84" Dia. Base Section with 48" Dia. Riser	Each

14-1 12" Gravity Sewer

- A. Measurement: Based per linear foot supplied and installed in accordance with the plans and specifications.
- B. Basis of Payment: This item will be paid at the Contract Unit Price bid per linear foot including pipe, pits, trenches, bedding and backfill and site restoration. The unit price includes all material, shoring, equipment and labor, disposal of any debris, waste, or excess material.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
12" Gravity Sewer	Linear Feet

14-2 48" Diameter Manhole

A. Measurement: Measurement for manholes is based as per each supplied and installed in accordance with plans and specifications.

B. Basis of Payment: This item will be paid at the contract unit price bid per each manhole supplied and installed, complete in place, with inlet and outlet connections, base section, channel, all riser sections, cone, frame and rim, manhole cover and all other materials and necessary items of work required.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
48" Diameter Manhole	Each

15. Combination Air Release & Vacuum Valve

A. Measurement: Based per each supplied and installed in accordance with the plans and specifications.

B. Basis of Payment: This item will be paid for at the contract unit price bid per each combination air release valve and vacuum valve, complete in place, including reinforcement if required; which price is full compensation for all release valves in manhole housing, gravel, backfilling, and disposal of surplus material; and for all material forms, equipment, tools, labor and incidentals necessary to complete the work.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
Combination Air Release & Vacuum Valve	Each

16. Duplex Lift Station Pumps & Appurtenances

A. Measurement: Payment will be at the Contract Lump Sum Price bid for the lift station items delineated on the Drawings, complete and ready for use.

B. Basis of Payment: The pump and related appurtenances as identified on the drawings shall be considered as a unit of work (Lump Sum). No separate measurement will be made for excavation, trenching, de-watering, shoring and bracing, backfilling, backfilling with select material, concrete work, electrical work, mechanical work, piping work, valves and valve pits, disposal of surplus materials, start-up services, factory testing, site clean-up, site restoration or for any other incidental items of work that may be required to provide an operable installation.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
Duplex Lift Station Pumps & Appurtenances	Lump Sum

16-1 72" Dia. Precast Concrete Wet Well

A. Measurement: Payment will be at the Contract Lump Sum Price bid for the precast concrete wet well as delineated on the Drawings, complete in place.

B. Basis of Payment: Payment shall constitute full compensation to supply and install precast concrete well, complete in place, with inlet and outlet connections, base section, all riser sections, flat slab top, access hatch and all other materials, equipment, tools, labor and incidentals necessary to complete the work.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
72" Dia. Precast Concrete Wet Well	Lump Sum

17. Pump Station Piping, Fittings, Valves, Vault, & Appurtenances

- A. Measurement: Payment will be at the Contract Lump Sum price bid for pump station piping, fittings, and valves and vault as delineated on the Drawings, complete in place.
- B. Basis of Payment: Full compensation for furnishing and installing piping as designated within the pump station site plan and duplex pump station drawings.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
Pump Station Piping, Fittings, Valves, Vault & Appurtenances	Lump Sum

18. Electrical & Controls

- A. Measurement: Payment will be at the Contract Lump Sum price bid to supply and install electrical power and controls as delineated in the plans and specifications.
- B. Basis of Payment: Payment shall constitute full compensation for electrical supply, control panel, level transmitter, floats, wiring, conduits, connection to existing electrical service, and other incidentals necessary to provide power and startup of the pump station as designated in the plans and specifications.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
Electrical & Controls	Lump Sum

19. Fencing

- A. Measurement: Payment will be at the Contract Lump Sum Price bid for Fencing supplied and installed per the plans and specifications.
- B. Basis of Payment: This item will be paid at the Contract Unit Price bid per linear foot for fence of the type and make specified in the plans installed as directed by the Engineer or Owner.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
Fencing	Lump Sum

20. Seeding & Fertilizer

- A. Measurement: The completed and accepted seeding will be measured as a unit of work (Lump Sum).
- B. Basis of Payment: Seeding and top seeding shall be paid for at the Contract Lump Sum price bid, which shall

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
Seeding and Fertilizer	Lump Sum

21. Erosion Control & SWPPP

- A. Measurement: Erosion control measures preparation of SWPPP shall be considered as a unit of work (Lump Sum)
- B. Basis of Payment: Payment shall constitute full compensation for the preparation and on-site holding of storm water pollution prevention plan; silt fence, erosion checks, bales, and all other materials and work necessary to provide erosion control along perimeter of the working area.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
Erosion Control & SWPPP	Lump Sum

21-1 Lift Station & Access Road – Sitework & Grading

- A. Measurement: Payment will be at the Contract Lump Sum Price bid for sitework and grading.
- B. Basis of Payment: Payment shall constitute full compensation for grading and preparation of lift station site and access road for crushed stone. The price shall include all rough and final grading, storm sewer pipe if required; additional fill material and all other materials, shoring, equipment and labor, disposal of any debris, waste, or excess material.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
Lift Station & Access Road – Sitework & Grading	Lump Sum

22. #610 Crushed Stone

- A. Measurement: Crushed stone shall be measured for payment in cubic yards using the loose vehicular measure (LVM) method.
- B. Basis of Payment: Payment shall constitute full compensation for mining, hauling, stripping, grubbing, grading and preparation of site, and placing stone. Payment of the Contract Unit Price shall also constitute full compensation for the haul and disposal of surplus excavation.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
#610 Crushed Stone	CY

23. Magnetic Flow Meter with Vault

- A. Measurement: Payment will be at the Contract Lump Sum Price bid for a magnetic flow meter installed in a vault.
- B. Basis of Payment: Payment shall constitute full compensation for magnetic flow meter complete in vault, including fittings, couplings, valves, electrical supply and connections; and for all material forms, equipment, tools, labor and incidentals necessary to complete the work.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
Magnetic Flow Meter with Vault	Lump Sum

1.4 PAY ITEMS – ALTERNATE 1

24. 8” Gravity Sewer, Lift Station Property

A. Measurement: Based per linear foot supplied and installed in accordance with the plans and specifications.

B. Basis of Payment: This item will be paid at the Contract Unit Price bid per linear foot including pipe, pits, trenches, bedding and backfill and site restoration. The unit price includes all material, shoring, equipment and labor, disposal of any debris, waste, or excess material.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
8” Gravity Sewer, Lift Station Property	Linear Feet

24-1 8” Gravity Sewer, Hwy 475/Reuben Brown Rd

A. Measurement: Based per linear foot supplied and installed in accordance with the plans and specifications.

B. Basis of Payment: This item will be paid at the Contract Unit Price bid per linear foot including pipe, pits, trenches, bedding and backfill and site restoration. The unit price includes all material, shoring, equipment and labor, disposal of any debris, waste, or excess material.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
8” Gravity Sewer, Hwy 475/ Reuben Brown Rd	Linear Feet

25. 48” Dia. Manhole, Lift Station Property

A. Measurement: Measurement for manholes is based as per each supplied and installed in accordance with plans and specifications.

B. Basis of Payment: This item will be paid at the contract unit price bid per each manhole supplied and installed, complete in place, with inlet and outlet connections, base section, channel, all riser sections, cone, frame and rim, manhole cover and all other materials and necessary items of work required.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
48” Dia. Manhole, Lift Station Property	Each

25-1 48” Dia. Manhole, Hwy 475/Reuben Brown Rd

A. Measurement: Measurement for manholes is based as per each supplied and installed in accordance with plans and specifications.

B. Basis of Payment: This item will be paid at the contract unit price bid per each manhole supplied and installed, complete in place, with inlet and outlet connections, base section, channel, all riser sections, cone, frame and rim, manhole cover and all other materials and necessary items of work required.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
----------------------------	-------------

48" Dia. Manhole, Hwy Each
475/Reuben Brown Rd

26. 16" Steel Casing (Bored)

A. Measurement: Based per linear foot supplied and installed by method of boring.

B. Basis of Payment: This item will be paid at the Contract Unit Price bid per linear foot including steel casing, pits, boring equipment, and all other materials and equipment necessary to install 16" steel casing by method of boring.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
16" Steel Casing (Bored)	Linear Feet

27. 8" Gravity Sewer (Installed in Casing)

A. Measurement: Based per linear foot supplied and installed inside casing.

B. Basis of Payment: This item will be paid at the Contract Unit Price bid per linear foot including pipe, fittings, casing spacers, and all other materials and equipment necessary to install 8" gravity sewer inside steel casing.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
8" Gravity Sewer (Installed in Casing)	Linear Feet

28. Grinder Lift Station – Reuben Brown Rd

A. Measurement: Measurement for grinder lift station is at the lump sum price bid, supplied and installed as per the plans and specifications.

B. Basis of Payment: This item will be paid for at the Lump Sum Price bid to supply and install a functioning duplex grinder pump station and force main as specified in the plans and specifications; including all reinforcement if required; excavation, backfill, and site restoration. The unit price includes all material shoring, equipment and labor, disposal of any debris, waste, or excess material. Electrical supply, control panel and floats, plus wiring, conduits, hookup to the control panel, and related electrical work is considered incidental to the work.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
Grinder Lift Station – Reuben Brown Rd	Lump Sum

29-44 Service Line and Connection

A. Measurement: Measurement for Service Line & Connection is at the lump sum price per residence, supplied and installed as per the plans and specifications.

B. Basis of Payment: This item will be paid for at the Lump Sum Price bid to supply and install sewer service to residences as identified in the plans; including excavation, backfill, service lateral pipe, lateral connection assembly, corp. stops, curb stops and check valves, meter boxes, warning tape and/or tracer wire, locating and disconnecting existing services from septic systems,

connection of new pipe to existing service, solid sodding, and site restoration. The unit price includes all material shoring, equipment and labor, disposal of any debris, waste, or excess material.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
108 Brinston Rd	
111 Brinston Rd	
103 Jones Drive	
123 Jones Drive	
1890 Old Whitfield Road	
1891 Old Whitfield Road	
1896 Old Whitfield Road	
1897 Old Whitfield Road	
1898 Old Whitfield Road	Lump Sum
1908 Old Whitfield Road	
1903 Old Whitfield Road	
111 Tokins Drive	
916 Hwy 475	
917 Hwy 475	
920 Hwy 475	
932 Hwy 475	

45. Service Line, Grinder Lift Station, & Force Main – 169 Sweet Home Church Rd

A. Measurement: Measurement is at the lump sum price bid, supplied and installed as per the plans and specifications.

B. Basis of Payment: This item will be paid for at the Lump Sum Price bid to supply and install a functioning simplex grinder pump station and force main as specified in the plans and specifications; including all excavation, backfill, service lateral pipe, lateral connection assembly, corp. stops, curb stops and check valves, meter boxes, warning tape and/or tracer wire, locating and disconnecting existing services from septic systems, connection of new pipe to existing service, solid sodding, and site restoration. The unit price includes all material shoring, equipment and labor, disposal of any debris, waste, or excess material. The control panel and floats, plus wiring, conduits, hookup to the control panel, and related electrical work is considered incidental to the work.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
Service Line, Grinder Lift Station, & Force Main – 169 Sweet Home Church Rd	Lump Sum

46. Mobilization/Demobilization, Alternate 1

A. Payment Schedule: Payment will be made for mobilization and demobilization at the Contract Lump Sum Price according to the schedule located in Section 01110 Mobilization –

Demobilization.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
Mobilization / Demobilization, Alternate 1	Lump Sum

47. Clearing & Grubbing, Alternate 1

- A. Measurement: Clearing and grubbing shall be considered as a unit of work (Lump Sum).
- B. Basis of Payment: Clearing and grubbing shall be paid for at the Contract Lump Sum price bid, which shall be full compensation for the removal and disposal of all trees and stumps, roots, vegetation, or any other waste material and debris within the limits of easements; and all other materials, equipment, tools, labor and incidentals necessary to complete the work.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
Clearing & Grubbing	Lump Sum

1.5 PAY ITEMS – ALTERNATE 2

14A Polymer Concrete Doghouse Manhole – 84” Dia. Base Section with 48” Dia. Riser

- A. Measurement: Measurement for polymer concrete doghouse manhole with 48” diameter riser based as per each supplied and installed in accordance with plans and specifications.
- B. Basis of Payment: This item will be paid at the contract unit price bid per polymer concrete manhole supplied and installed, complete in place, with inlet and outlet connections, base section, channel, all riser section, cone, frame and rim, manhole cover and all other materials and necessary items of work required.

<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
Doghouse Manhole - 84” Dia. Base Section with 48” Dia. Riser	Each

1.6 PAY ITEMS – ALTERNATE 3

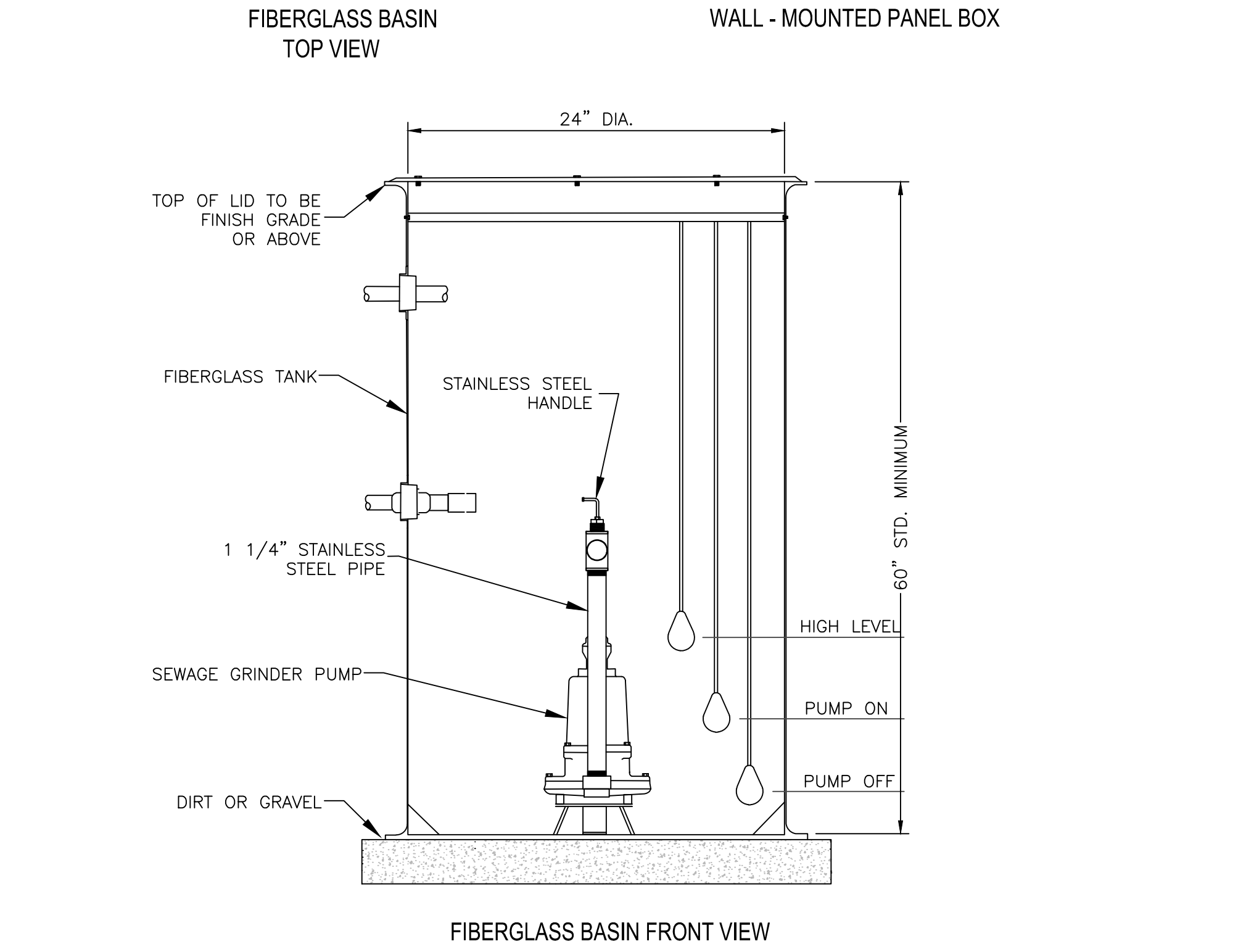
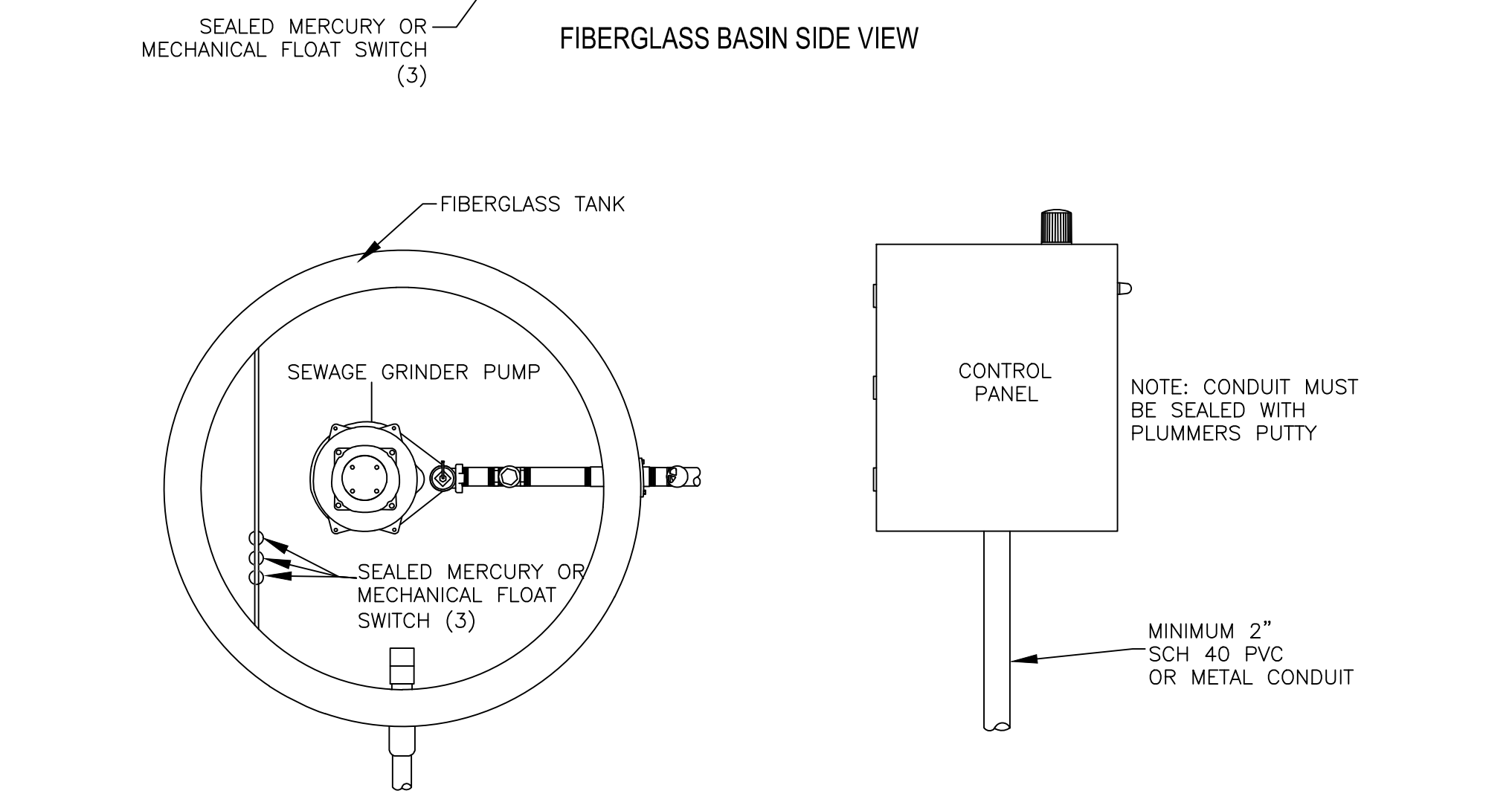
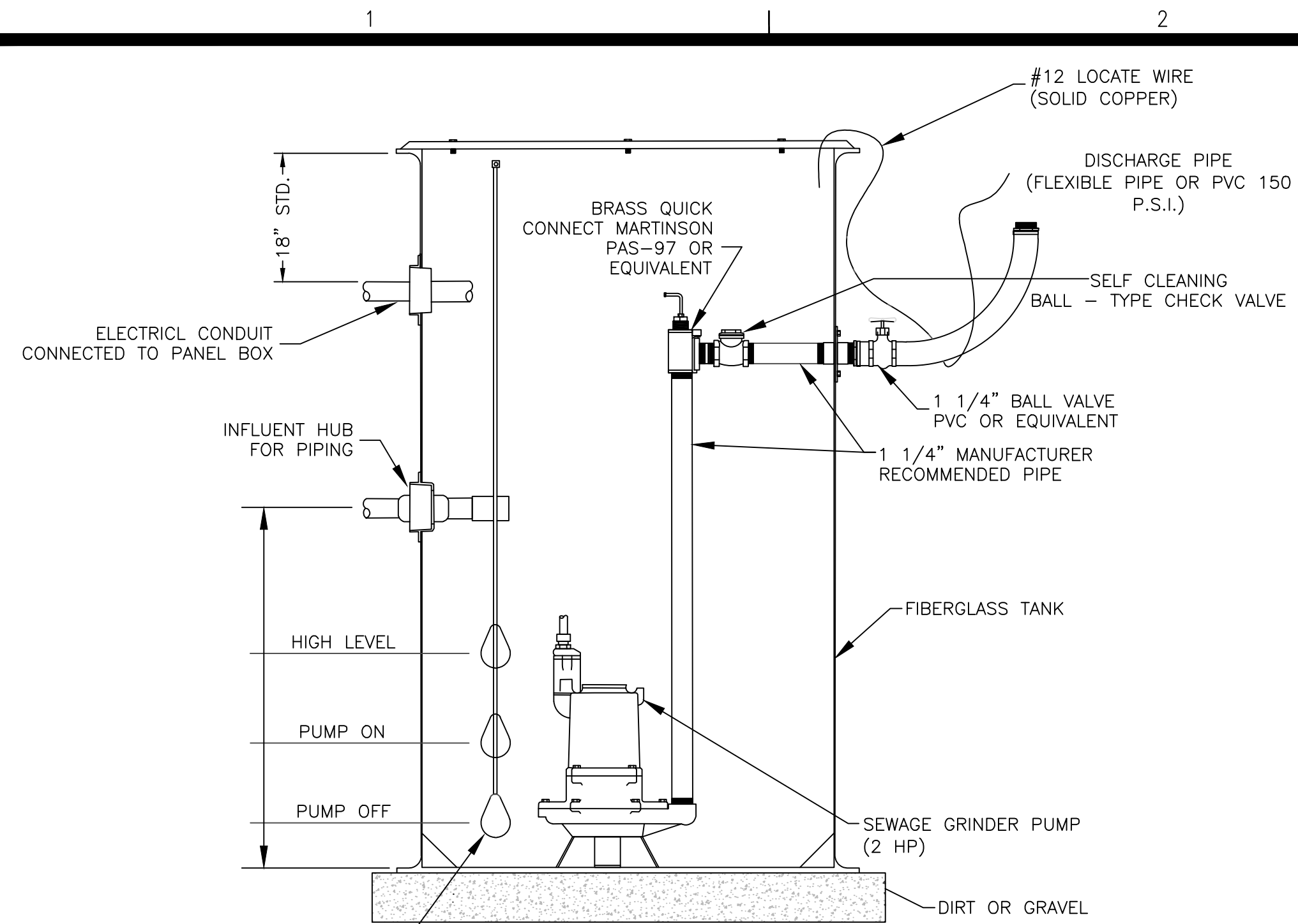
16-1A 72” Dia. Polymer Concrete Wet Well

- A. Measurement: Payment will be at the Contract Lump Sum Price bid for the polymer concrete wet well as delineated on the Drawings, complete in place.
- B. Basis of Payment: Payment shall constitute full compensation to supply and install polymer concrete well, complete in place, with inlet and outlet connections, base section, all riser sections, flat slab top, access hatch and all other materials, equipment, tools, labor and incidentals necessary to complete the work.

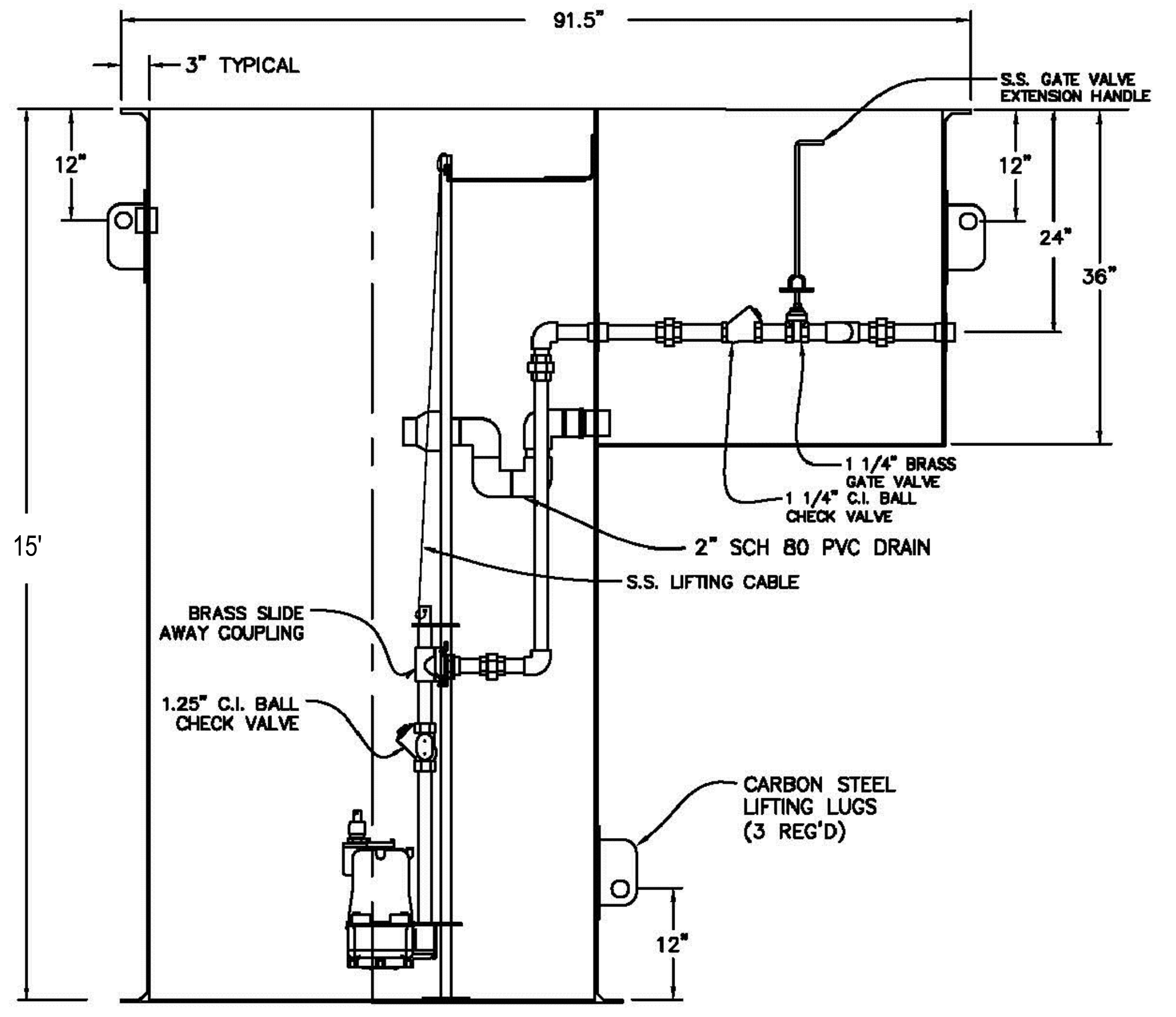
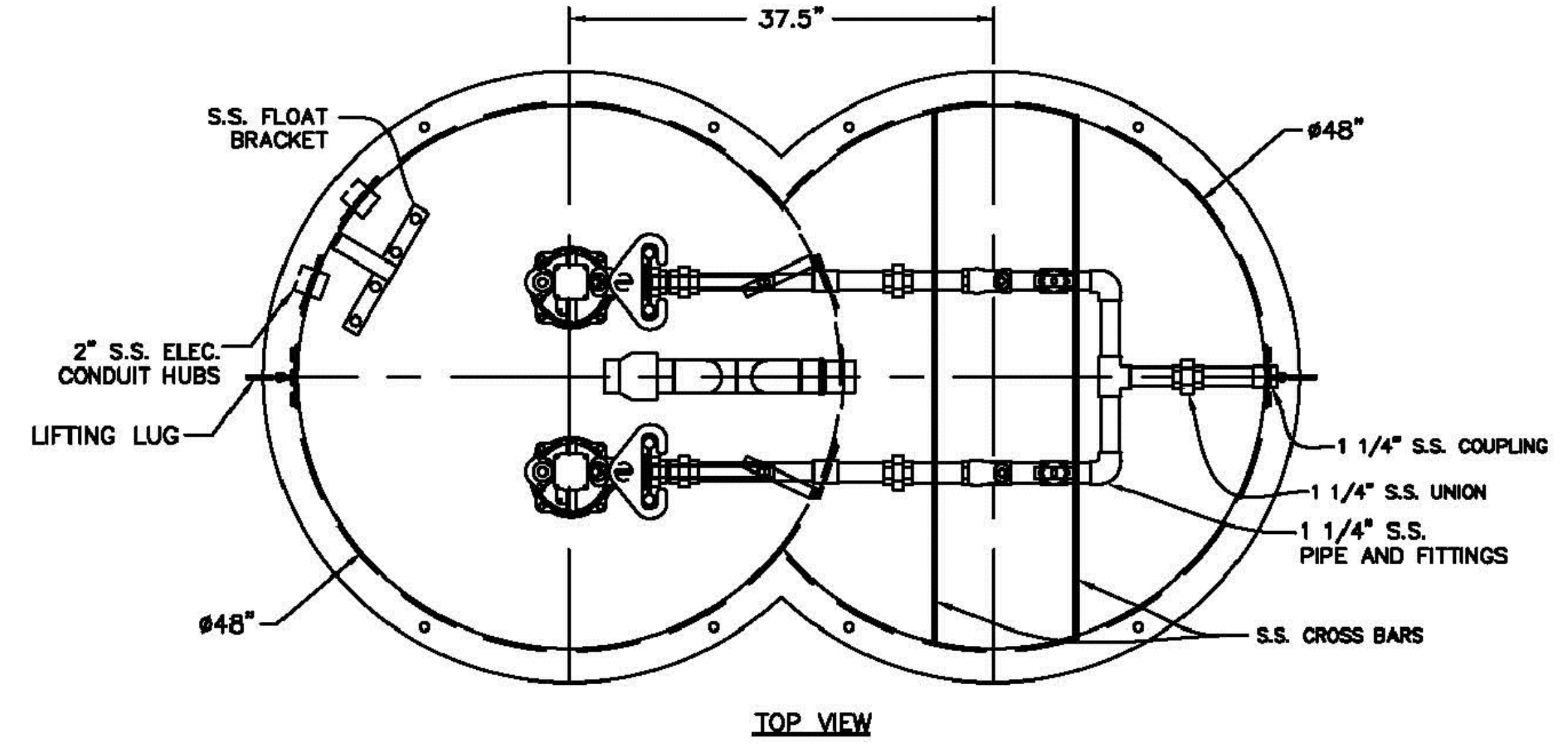
<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>
72” Dia. Polymer Concrete Wet Well	Lump Sum

END OF SECTION 01025

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SIMPLEX GRINDER STATION
SWEET HOME CHURCH ROAD
 SCALE: N. T. S.



SECTIONAL ELEVATION VIEW
DUPLEX GRINDER STATION
RUEBEN BROWN ROAD
 SCALE: N. T. S.

- GENERAL**
- CONTRACTOR SHALL FURNISH AND INSTALL GRINDER PUMP STATION AND CONTROL PANEL.
 - UNIT SHALL BE FACTORY BUILT AND TESTING TO INCLUDE GRINDER PUMP AND MOTOR SUITABLY MOUNTED IN A LEAK-PROOF FIBERGLASS REINFORCE BASIN WITH COVER, LEVEL CONTROL, HIGH WATER LEVEL ALARM CONTROLS, MOTOR HIGH TEMPERATURE SHUT OFF, MOTOR DISCONNECT, SHUT OFF VALVE; ALL ASSEMBLED WITH THE BASIN AND WIRED TO A JUNCTION BOX AN EXTERNAL ALARM AND CONTROL PANEL.
 - LOCATION TO BE FIELD LOCATED AS DIRECTED BY PROPERTY OWNER** AND CITY OF PEARL
 - IF STANDARD DEPTH UNITS ARE NOT ADEQUATE TO ACCOMMODATE SERVICE DEPTHS, THE CONTRACTOR SHALL PROVIDE UNITS WITH ADDITIONAL HEIGHT OR EXTENSIONS S NECESSARY TO ACCOMMODATE SERVICE REQUIREMENT.
 - GRINDER UNIT SHALL BE CAPABLE OF CUTTING SOLID MATERIAL FOUND IN NORMAL DOMESTIC SEWAGE.
 - ALL MATERIALS EXPOSED TO WASTEWATER SHALL HAVE INHERENT CORROSION PROTECTION.
 - THE GRINDER PUMP STATION SHALL BE FREE FROM ELECTRICAL AND FIRE HAZARDS AS REQUIRED IN A RESIDENTIAL ENVIRONMENT.
- GRINDER PUMP(S)**
- SEALED SUBMERSIBLE TYPE, HYDROMATIC MODEL HVS200 OR EQUAL
 - 2.0 HP, 230 V, 1 PHASE, 60 HZ
 - VOLUTE, MOTOR AND SEAL HOUSING: HIGH QUALITY GRAY CAST IRON, ASTM-A48, CLASS 30
- BASIN CONSTRUCTION AND EQUIPMENT**
- PUMP BASIN AND COVER SHALL BE CUSTOM MOLDED OF FIBERGLASS REINFORCED POLYESTER RESIN; **24-INCH DIAMETER; BASIN SHALL BE IMPACT RESISTANT AND DESIGNED TO WITHSTAND WALL COLLAPSE; BASIN BOTTOM SHALL HAVE FLOTATION BASE TO RESIST HYDROSTATIC UPLIFT.
 - BASIN SHALL BE EQUIPPED WITH STAINLESS STEEL GUIDE RAIL ASSEMBLY TO PERMIT EASY INSTALLATION AND REMOVAL OF PUMP.
 - DISCHARGE PIPING SHALL BE 1-1/4-INCH PVC PIPE AND PVC CORROSION RESISTANT SHUT OFF VALVE WITH EXTENSION HANDLE AND SELF-CLEANING CHECK VALVE.
- ELECTRICAL & CONTROLS**
- JUNCTION BOX SHALL BE NEMA 4X, CORROSION RESISTANT, FLAME RETARDANT, THERMOPLASTIC.
 - MERCURY/MECHANICAL FLOAT SWITCHES SHALL BE MOUNTED THROUGH A STAINLESS-STEEL FLOAT BRACKET
 - CONTROL PANEL - NEMA 4X REINFORCED FIBERGLASS GRAY PANEL.
 - CIRCUIT BREAKERS - THERMAL-MAGNETIC TYPE RATED 10,000 AIC @ 280/230 VOLTS.
 - PHASE MONITOR TO PROTECT MOTOR(S) AGAINST PHASE LOSS, UNDER VOLTAGE, AND PHASE REVERSAL.
 - SURGE ARRESTOR RATED FOR 650 VAC PHASE-TO-GROUND MAX
 - MOTOR STARTERS - IEC RATED, MINIMUM 18 AMP WITH BI-METALLIC OVERLOAD RELAYS.
 - CONTROL TRANSFORMER - COPPER WOUND, VACUUM IMPREGNATED WITH SOLID POLYESTER AND MANUFACTURED IN COMPLIANCE WITH ANSI, CSA, AND UL STANDARDS; SIZED TO THE REQUIRED LOAD.
 - ALTERNATOR - SOLID STATE OCTAL PLUG IN TYPE WITH OUTPUT CONTACTS RATE 10 AMP @ 120 VAC.
 - SELECTOR SWITCHES - "HAND-OFF-AUTO" SELECTOR SWITCH FOR EACH MOTOR AND MOUNTED ON INNER DOOR.
 - PILOT LIGHTS - MOUNTED ON THE INNER DOOR TO INDICATE PUMP RUN, SEAL FAIL, HEAT SENSOR.
 - ALARM - ALARM LIGHT CONSTRUCTED OF SHATTER RESISTANT LEXAN; NEMA 4X RATED AND SUPPLIED WITH HEAVY DUTY ON PIECE LAMP HOLDER AND SERVICE BULB; MOUNTED ON TOP OF ENCLOSURE; ACTIVATED BY HIGH LEVEL CONDITION

REVISIONS:

PROJECT #: 18152.32
 DATE: 10-21-2024
 DRAWN BY:
 DESIGNER: JNM
 CHECKED BY: DT

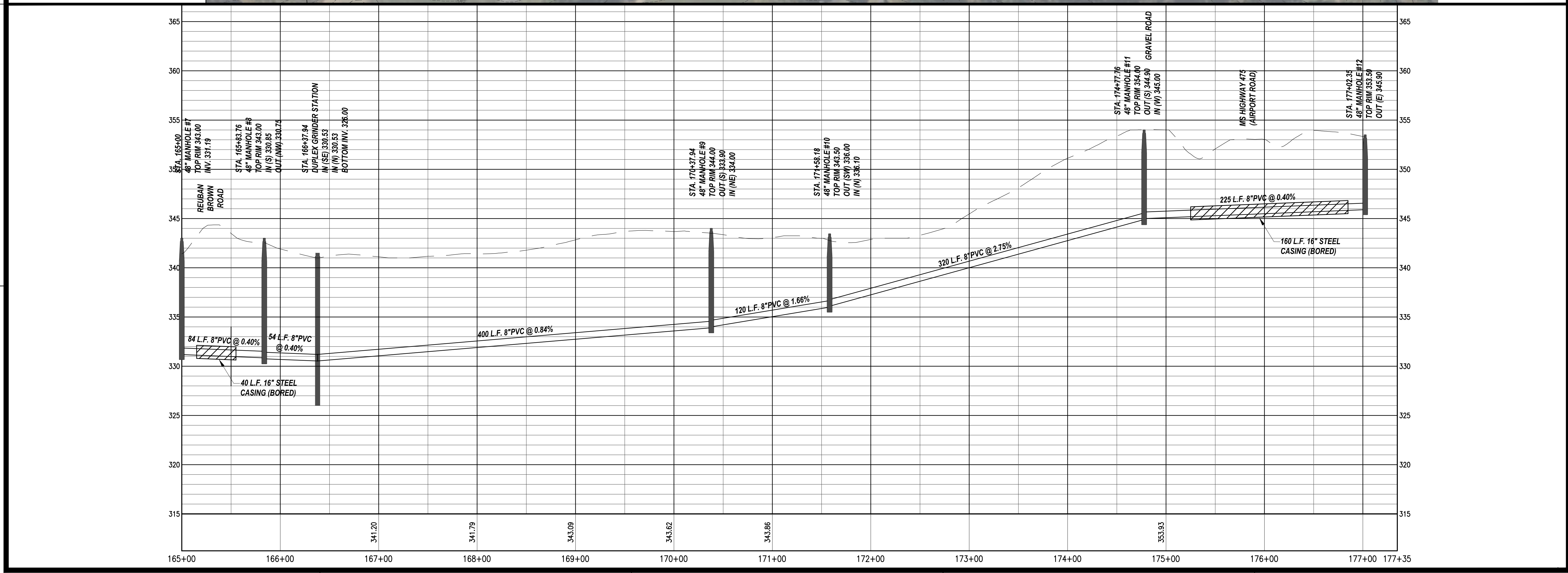
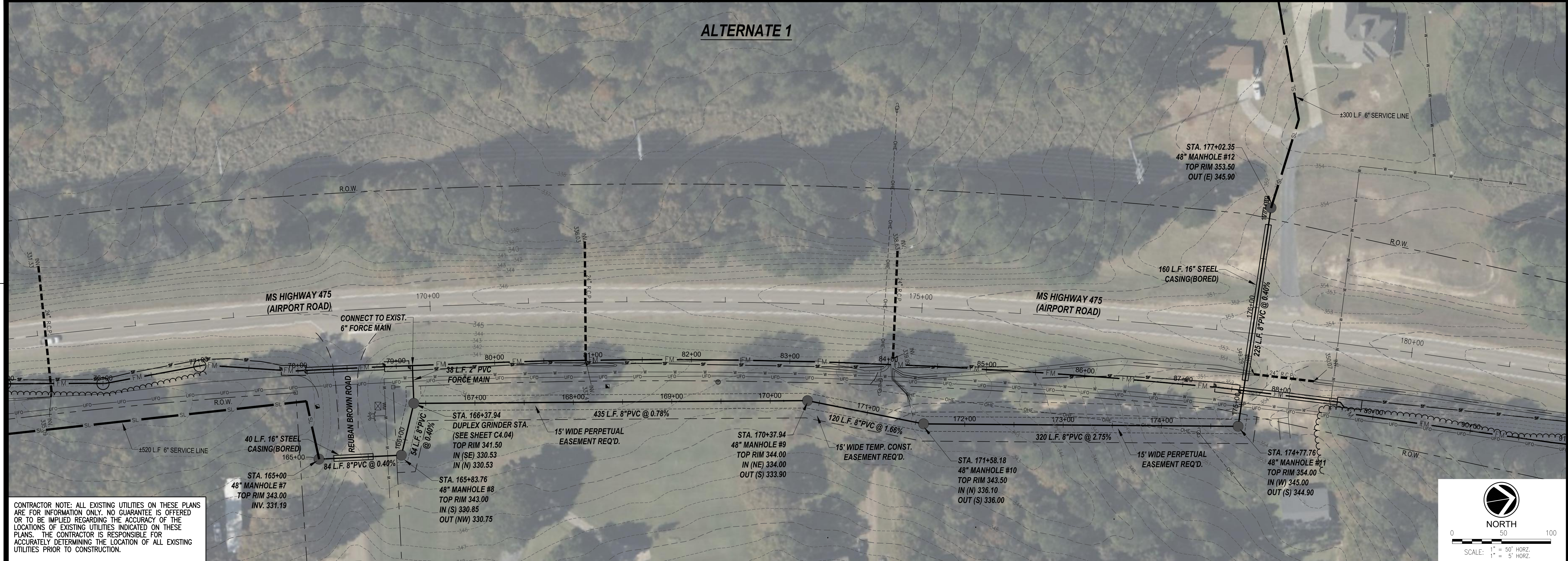
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 Flowood, MS 39232
 601.956.3663

CITY OF PEARL
SOUTHEAST SANITARY
SEWER IMPROVEMENTS (AIRPORT ROAD)
MCWI #484-2-CW-5.5
 RANKIN COUNTY, MISSISSIPPI

SEAL:
 JONATHAN NORMAN MC EOOD
 LICENSED PROFESSIONAL
 ENGINEER
 STATE OF MISSISSIPPI
 31540
 10-21-24

SHEET NUMBER:
C4.04

DESCRIPTION:
 GRINDER PUMP
 STATION



REVISIONS:

PROJECT #: 18152.32
 DATE: 10-21-2024
 DRAWN BY: JLC
 DESIGNER: JNM
 CHECKED BY: DT

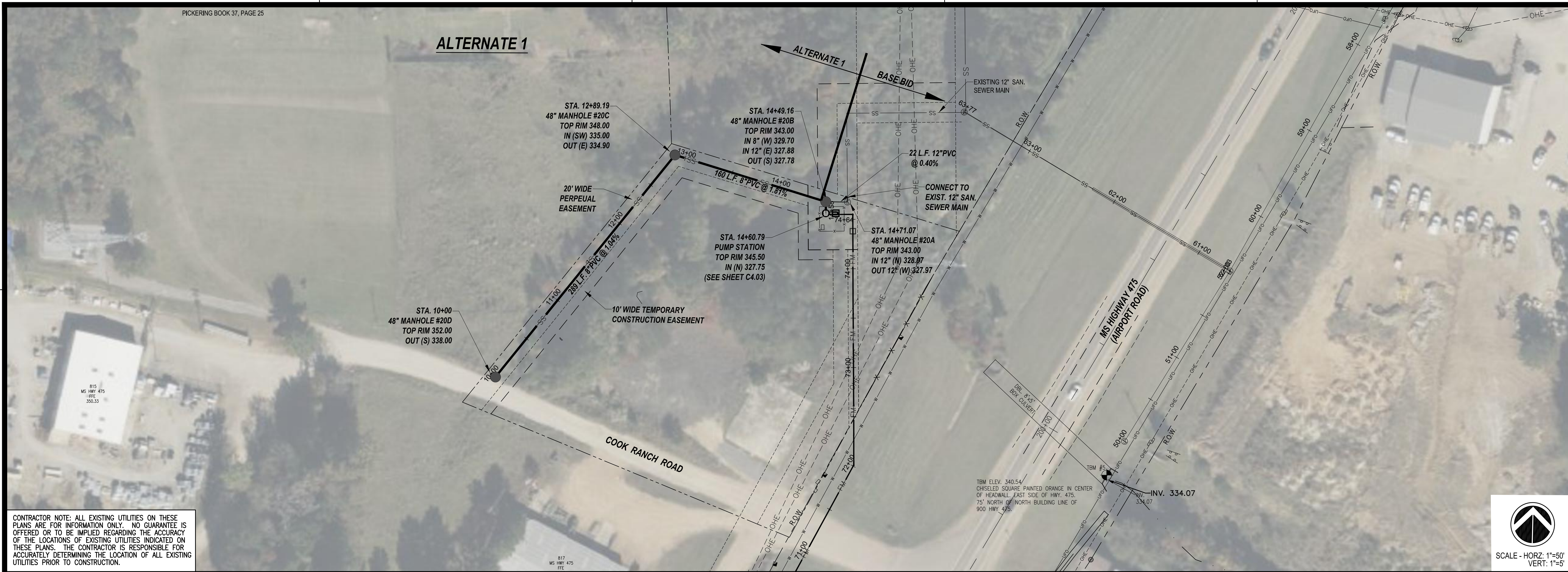
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CITY OF PEARL
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 SEWER IMPROVEMENTS (AIRPORT ROAD)
 MCWI #484-2-CW-5.5
 RANKIN COUNTY, MISSISSIPPI

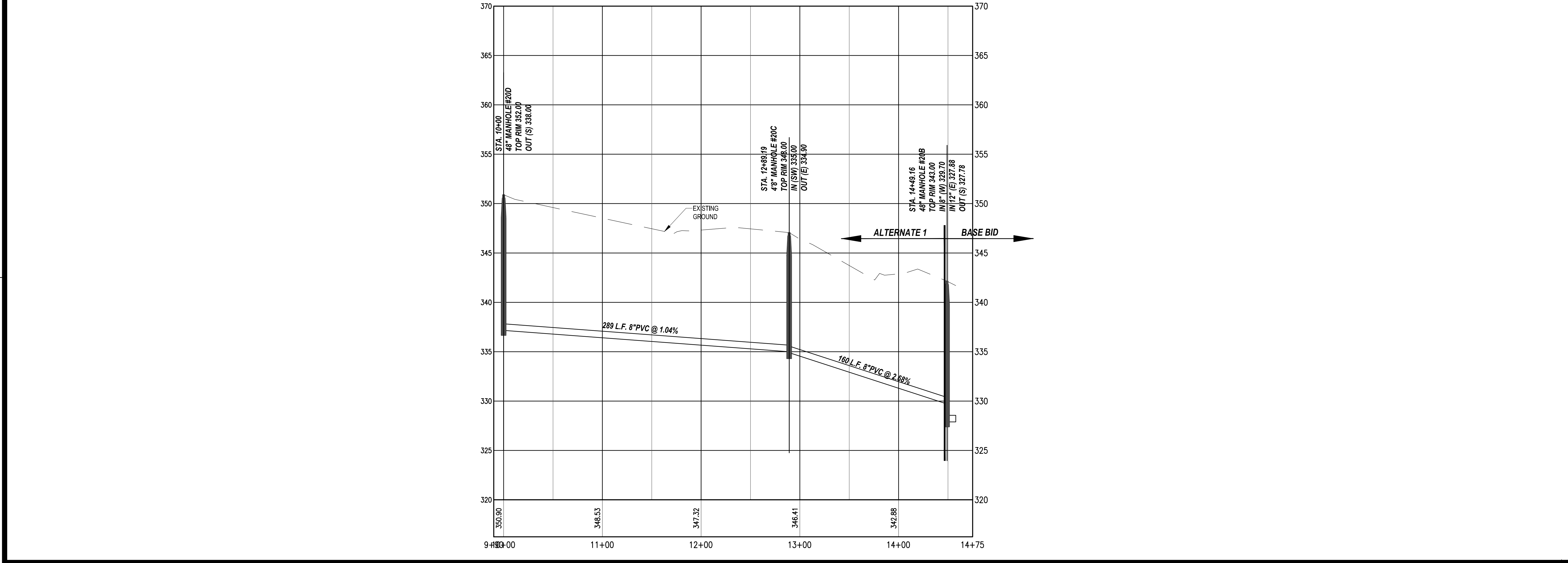


SHEET NUMBER:
C5.01
 DESCRIPTION:
 ALTERNATE 1
 PLAN & PROFILE



CONTRACTOR NOTE: ALL EXISTING UTILITIES ON THESE PLANS ARE FOR INFORMATION ONLY. NO GUARANTEE IS OFFERED OR TO BE IMPLIED REGARDING THE ACCURACY OF THE LOCATIONS OF EXISTING UTILITIES INDICATED ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR ACCURATELY DETERMINING THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.

SCALE - HORIZ: 1"=50'
VERT: 1"=5'



REVISIONS:

PROJECT #: 18152.32
DATE: 10-21-2024
DRAWN BY:
DESIGNER: JNM
CHECKED BY: DT

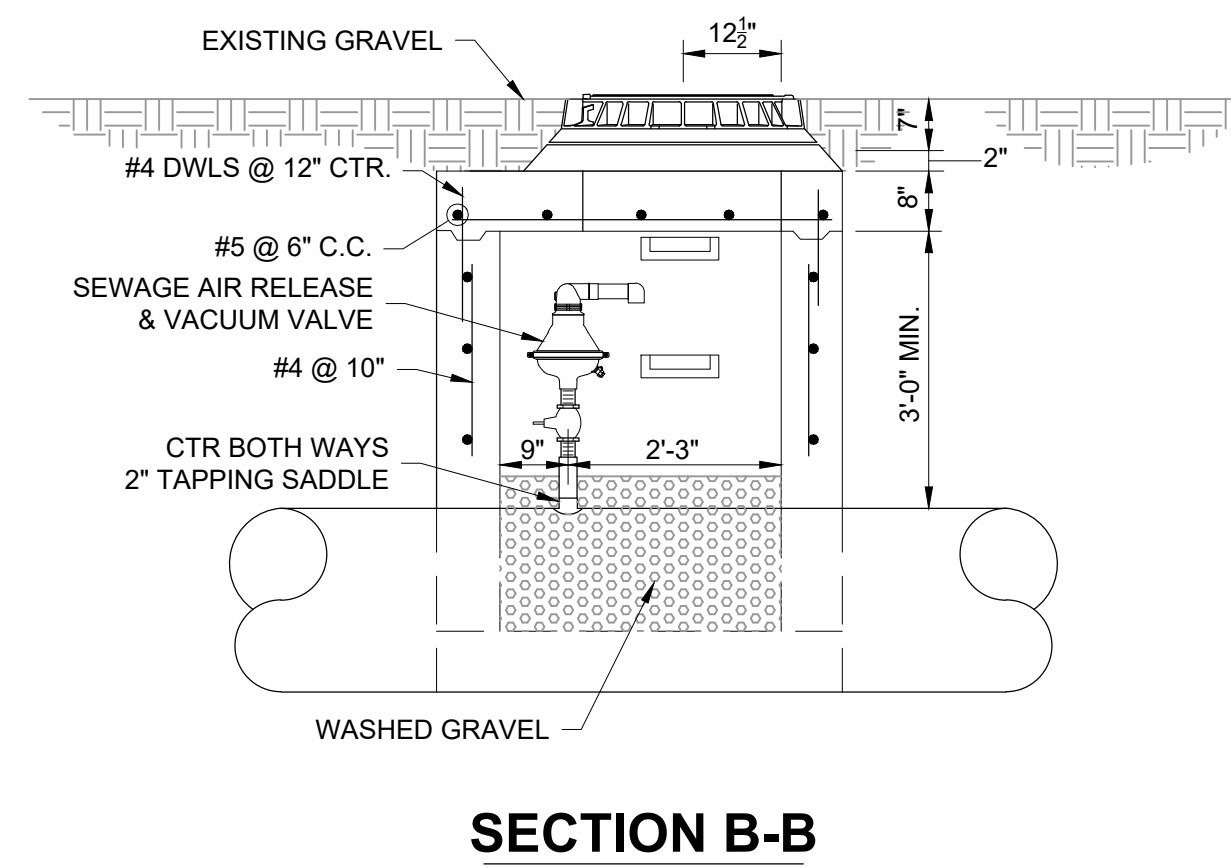
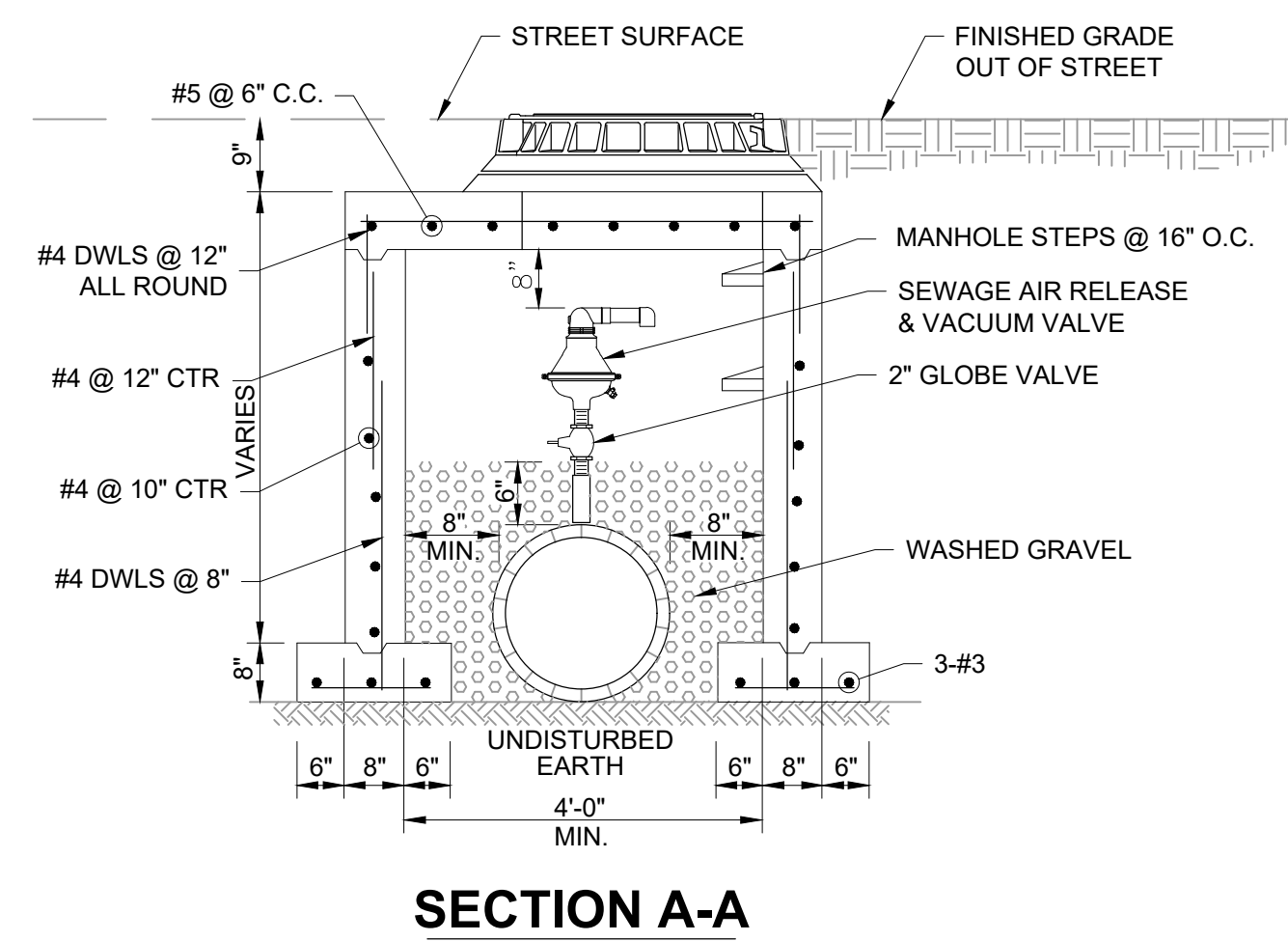
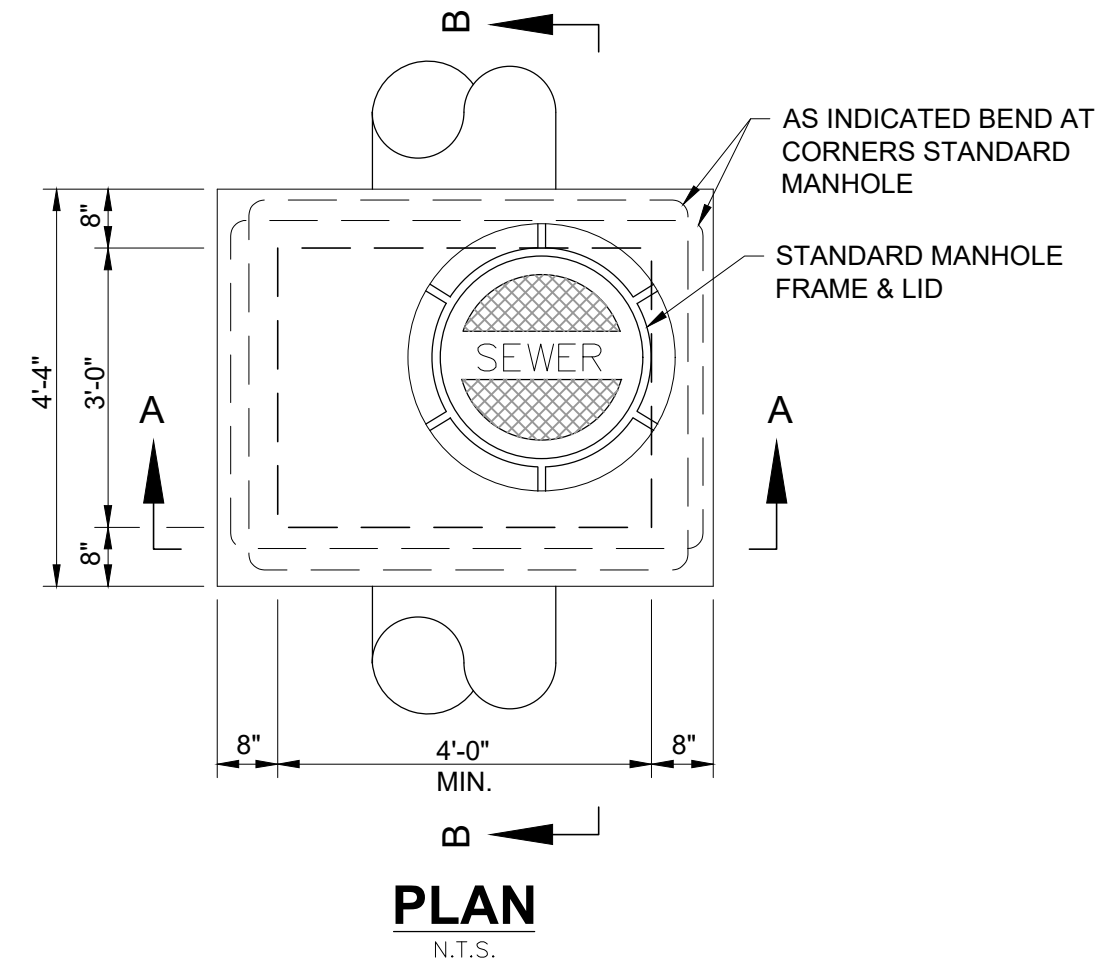
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CITY OF PEARL
SOUTHEAST SANITARY
SEWER IMPROVEMENTS (AIRPORT ROAD)
MCWI #484-2-CW-5.5
RANKIN COUNTY, MISSISSIPPI

SEAL:

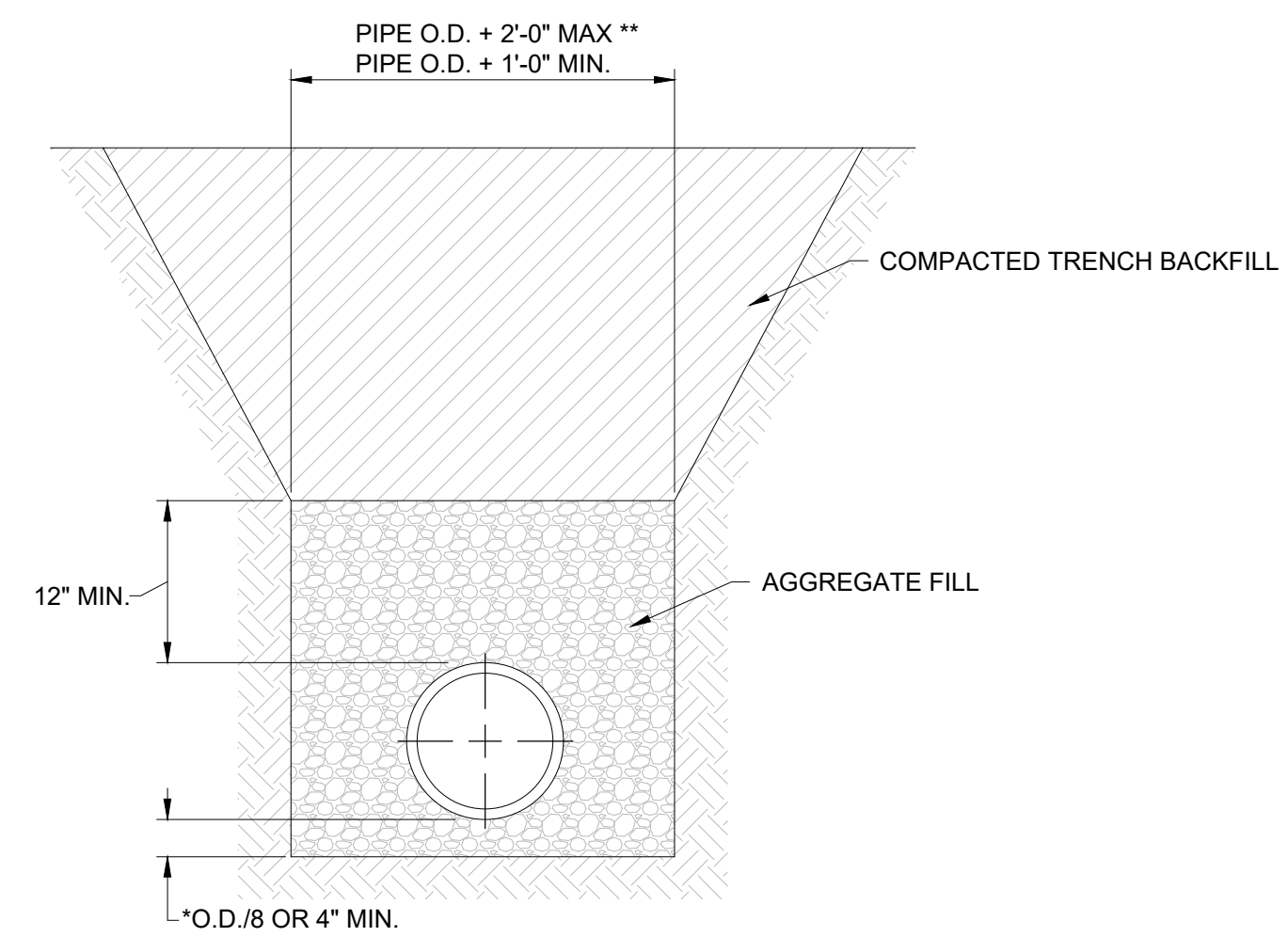
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C5.02

DESCRIPTION:
ALTERNATE 1
PLAN & PROFILE
STA 10+00 - 23+31.51



SEWAGE VALVE AND VAULT

- NOTES:
- STANDARD (4' DIA) PRECAST MANHOLE SECTION AND FLAT TOP MAY BE USED IN LIEU OF SECTION SHOWN ABOVE.
 - VAULT MUST BE TRAFFIC RATED WHEN INSIDE ROAD R.O.W.
 - UNLESS OTHERWISE SPECIFIED, VAULT SHALL BE COATED WITH 25 MILS COAL TAR EPOXY



REVISIONS:

PROJECT #: 18152.32

DATE: 10-21-2024

DRAWN BY: WMC

DESIGNER: JNM

CHECKED BY: DT

Pickering

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CITY OF PEARL
SOUTHEAST SANITARY
SEWER IMPROVEMENTS (AIRPORT ROAD)
MCWI #484-2-CW-5.5

RANKIN COUNTY, MISSISSIPPI



SHEET NUMBER:

SD1.04

DESCRIPTION:

AIR RELEASE VALVE AND VAULT DETAILS

KANSAS CITY SOUTHERN RAILWAY COMPANY REQUIREMENTS

INSURANCE REQUIREMENTS

Show The Kansas City Southern Railway Company and its Affiliates, 427 W. 12th St., Kansas City, MO 64105 as a Certificate Holder for the following:

- Maintain **comprehensive general liability**, and contractual liability insurance with minimum limits of \$2,000,000 per occurrence, \$4,000,000 aggregate;
- **Auto liability** coverage in the amount of \$1,000,000 combined single limit;
- Provide or require minimum statutory **worker's compensation coverage** for all covered employees who are on KCS and its Affiliates property;
- No policy will be canceled or materially altered without first giving KCS and its Affiliates thirty (30) day's prior written notice;
- Commercial general liability policy will name The Kansas City Southern Railway Company and its Affiliates as additional insured;
- Will contain a waiver of subrogation in favor of KCS and its Affiliates.

Show The Kansas City Southern Railway Company and its Affiliates, 427 W. 12th St., Kansas City, MO 64105 as the Insured for the following:

- **Railroad Protective Liability Insurance** naming The Kansas City Southern Railway Company and its affiliates as insured - \$2,000,000 per occurrence, \$6,000,000 aggregate. To obtain this policy, please visit www.123ocp.com.

PLEASE NOTE: *****these are TWO separate policies, they cannot be combined on one form since KCS is the Certificate Holder on the Liability Insurance and the Insured on the Railroad Protective Liability insurance*****

Additional Fees and Acceptance

All excavations and installations on KCS's property will require Construction observation, Roadway In Charge (RWIC) and Mobilization by KCS's authorized representative, Wilson & Co.. The applicant, or its contractor, must contact Wilson a minimum of thirty (30) days in advance of construction date. Applicant, or its contractor, will contract directly with Wilson & Co. for the above services by calling 816-556-3624 and/or by sending an email to kcs.wilsoncompany.utility.ic@wilsonco.com. All costs associated with mobilization, construction observation and flagging are the sole responsibility of the applicant.

KCS = Fee Structure For Inspection & RWIC (Flagging Services)				
	Per Day Up to 10 Hours	Per Hour Over 10	Mobilizations	Additional Mobilizations
Inspector	\$1,450	\$155	\$500	\$500
RWIC	\$1,450	\$155	\$0	\$0



PRE-BID MEETING MINUTES

DATE OF MEETING: November 7, 2024

LOCATION OF MEETING: City of Pearl, Conference Room

PROJECT NAME: Southeast Sanitary Sewer Improvements (Airport Road)
MCWI 484-2-CW-5.5
PFI Reference #26917.00

THE FOLLOWING OCCURRED:

1. Sign-in sheet circulated
2. ARPA Funding – There's federal funds and requirements associated with the project (all provisions of 2 CRF Part 200)
 - No wage rates or Davis-Bacon are part of the requirements (less than \$10 million)The following forms can be submitted with the bid or afterward.
 - Solid Waste Disposal Act
 - Byrd Anti Lobbying
 - Suspension and Debarment
 - Attachment C
3. Cutoff for questions; all questions, in writing, are to be sent to Jon McLeod by 5 PM on 11/16/2024 – Changed to Saturday due 11/11 being a Holiday; Final addendum (if needed) November 18th.
4. Bid opening 10:00 am on 11/21/2024 – City Hall Board Room
 - Online bids accepted on Central Bidding
 - Must submit bid on bid form provided
 - Bid Form: Bidder must bid any and all alternates
 - Certificate of responsibility number on outside of bid envelope
 - Non-resident contractor – provide a copy of your state's law concerning treatment of non-resident contractors
5. Contract time 540 days – Chris Buckalew advised the days shown in the contract are 450, this will be revised.
6. Summary of Work
 - CPKCR Bore – Flagging requirements and Permit will be added via addendum.
 - MS State Hospital Connection – Will remain inactive until this project is ready to accept sewer flow from the meter station to WRUA interceptor
 - WRUA Doghouse Manhole and Connection – Will need to coordinate with WRUA Director, Burce Stephens.
 - Lift Station

- Alternates
- A licensed plumber will be required to make the service line connections to the houses

QUESTIONS

Have soil borings be done for bore under the railroad tracks? No

Who is the contact for the state hospital to perform a test hole? Jon will provide.

Is dewatering absorbed? Yes

Will the City of Pearl require a permit in to connect the service lines to the house? No

How are the old sewer service lines to be abandoned at the house? Cap, the homeowner will be responsible for filling in septic tanks

Is Clearing & Grubbing absorbed? Yes; MDOT doesn't want a strip of trees left in their right-of-way between the roadway and the sewer easement; The contractor will determine how much of the temporary & permanent easement needs to be cleared & grubbed for the work to be performed. Jon will consider adding a Clearing & Grubbing item

IS the City of Pearl responsible to provide power to the lift station? No, the contractor is responsible and will need to coordinate with the power company.