

ADDENDUM NO. 01 (Date: June 27, 2022)

TO

CONTRACT DOCUMENTS & CONSTRUCTION SPECIFICATIONS

FOR



Fairhope Sewer Upgrade Phase I

Bid No. 005-22 – Lift Station Rehabilitation

Project: Lift Station Rehabilitation, ADCNR Grant #S1P25-FSU1

The bid documents for this Bid shall be amended, revised and changed in the following particulars:

Clarifications from Questions Received

- 1. Question:** Will 304 Stainless Steel be acceptable for the guide rail system of the lift station as opposed to 316 Stainless Steel as shown in the detail?

Answer: 316 stainless steel is specified on the Lift Station Detail per City of Fairhope's Standard Specifications. If material availability is an issue, then 304 stainless steel could be used. A submittal will have to be made for approval of this material.

2. **Question:** Can other materials be used to construct the fillets in fiberglass wet wells instead of concrete?

Answer: Yes. Material submittals should be submitted for review and approval prior to construction.

3. **Contract Amendment:** An updated wage decision document will replace “Appendix K Wage Determination” in the contract documents. The updated wage rates are attached with this addendum. The attached will completely replace the previous version in its entirety.
4. **Contract Amendment:** A checklist for bid submittal is attached with this addendum. This is the check list that will be used to verify your bid submission. All items on the checklist will be needed for your submission. This is provided for your convenience.
5. **Drawing Amendment:** An addendum to the North Section Lift Station Plan Sheets (Plan Sheets 6-6B) was made and the updated plan is attached with this addendum. The attached plan sheets will completely replace the previous version (IFB 5/23/22) in its entirety.
6. Question – Do the following manholes require epoxy lining per note on sheet 3?
- North Section Lift Station – New doghouse manholes 1 & 2.
 - South Section Lift Station – Manholes 1 & 3 and doghouse manholes 4,5 & 6.
 - Thompson Hall Lift Station – There are 4 existing manholes.
 - White Grove Lift Station – Proposed doghouse manhole 10.
 - Pier and Mobile Lift Station – Proposed manholes 1,2 & 3.

Answer: Yes. Also, if a new concrete wet well is installed or retained, they also will require epoxy lining.

7. Question – How will contingency items listed on the bid sheet need to be priced?

Answer: Contingency items will need to be priced as installed. Once purchased and delivered, they will be paid for as stored materials. If they are not needed with this project, then they will be left with the City at the end of construction.

8. Question – Will 3-phase power be required at the North Mobile Lift Station?

Answer: The proposed power requirements are included in the electrical plans. Contractors should reference each site’s electrical plans for further information regarding power.

9. Question - Regarding the North Section, Bid Item No. 9 Construction Safety Fence (Single Install), is not shown on the plans, is there a specific location(s) where this work is intended to be performed?

Answer: For Construction Safety fence at the North Section Lift Station, placement of the safety fence is intended to be placed around open excavations or other areas where the general public may be exposed to dangerous conditions. This will be used as needed.

10. Question - Regarding the South Section Street Lift Station, Bid Item No. 4 Removal and Replacement of Concrete Ditch covers the replacement of the concrete ditch. Is Bid Item No. 53 Concrete Ditch a duplicate for the replacement?

Answer: Yes. This has been corrected. See revision attached with this addendum. The attached unit price bid schedules will completely replace the previous version (IFB 5/23/22) in its entirety.

11. Question - Regarding the Thompson Hall Lift Station, Bid Item No. 16 Silt Fence Installation and Removal (As Directed by Engineer) is not shown on the plans, is there a specific location(s) where this work is intended to be performed?

Answer: For silt fence installation and removal (as directed by engineer), placement of the silt fence should be placed on the west side of the Thompson Hall site. This is an as directed quantity, so it can be determined the best location for installation when work begins.

12. Question - Regarding the White Grove Lift Station, Bid Item No. 15 Silt Fence Installation & Removal (As Directed by Engineer), is there a specific location(s) where this work is intended to be performed?

Answer: For silt fence installation and removal (as directed by engineer), placement of the silt fence should be placed on the south side of the White Grove site. This is an as directed quantity, so it can be determined the best location for installation when work begins.

13. Question - Regarding the Pier & Mobile Lift Station, Bid Item No. 10 Construction Safety Fence, is not shown on the plans within Dwg Shts 10, 10A-10D., is there a specific location(s) where this work is intended to be performed?

Answer: Construction Safety Fence placement for the Pier & Mobile Lift Station is a very important item as this is an area with high pedestrian traffic. The safety fence should be placed around any open excavation or around any other area where work could be dangerous to pedestrians. This will be used as needed. If necessary to create a safe construction site for the contractor and general public, then additional items necessary to maintain this safety shall be addressed with the traffic control scheme pay item. Further details on the traffic control scheme will be provided in the next addendum.

14. Question - Can a digital copy of the Unit Price Bid Schedule be provided for the Contractor's use?

Answer: Yes, we can provide a digital copy of the unit price bid schedule. All formulas and arithmetic provided in the document will be the sole responsibility of the contractor.

15. Question - Please confirm the Subcontractor Listing Form included in Appendix J is not required to be submitted with the bid. Our understanding is that this form must be submitted before Notice of Award can be issued.

Answer: There is not a written requirement that the Subcontractor Listing Form be submitted with the bid, however, an award cannot be given without it. So, with that being said, if the bid is submitted without the subcontractor listing form, we would need to know when it would be submitted. We have seen contractors submit these with all the subcontractors they think they

might have to use. Just because they are on the listing form does not mean they are required to do work on the project. However, if they are not on the list, then they cannot do any work on the project. So, it is safer to have any potential subcontractor on this list.

16. Question - Bid Item Numbering - Regarding the South Section Street Lift Station, Sewer Infrastructure Items, there are two bid items numbered 17. Will this be reconciled in a forthcoming Amendment?

Answer: Yes. The corrected unit price bid schedule is attached in this addendum. The attached unit price bid schedules will completely replace the previous version (IFB 5/23/22) in its entirety.

17. Question - Bid Item Numbering - Regarding the South Section Street Lift Station, Miscellaneous Items and Additive Alternate #3 Items, there are two bid items numbered 64. Will this be reconciled in a forthcoming Amendment?

Answer: Yes. The corrected unit price bid schedule is attached in this addendum. The attached unit price bid schedules will completely replace the previous version (IFB 5/23/22) in its entirety.

18. Question - Bid Item Numbering - Regarding the Thompson Hall Lift Station Section Miscellaneous Items and Additive Alternate #4 Items, there are two bid items numbered 18. Will this be reconciled in a forthcoming Amendment?

Answer: Yes. The corrected unit price bid schedule is attached in this addendum. The attached unit price bid schedules will completely replace the previous version (IFB 5/23/22) in its entirety.

19. Question – Should the quantity for pay item 23 (Sewer Manhole 6’-8’ Deep) on the South Section Street Lift Station be 2 each instead of 1?

Answer: Yes. Pay item 23.01 (Doghouse Sewer Manhole 6’-8’ Deep) was added to unit price bid schedule. See attached. The attached unit price bid schedules will completely replace the previous version (IFB 5/23/22) in its entirety.

20. Question – Should quantities for lining existing manholes at Thompson Hall Lift Station be added?

Answer: Yes. Pay items 18.02 & 18.03 were added to unit price bid schedule. See attached. The attached unit price bid schedules will completely replace the previous version (IFB 5/23/22) in its entirety.

21. Question – Should quantities for lining existing manholes at North Mobile be added?

Answer: Yes. Pay item 14.01 was added to unit price bid schedule. See attached. The attached unit price bid schedules will completely replace the previous version (IFB 5/23/22) in its entirety.

22. Question – The concrete surfacing over the portions of the reinforcing bars in the interior of the wet wells has eroded away and the reinforcing has signs of corrosion. What repair procedures are required on the corroded reinforcing bars?

Answer: Procedure will be provided in a subsequent addendum.

23. Question – The drawing of the pedestal roof appears to be in a hip configuration. The supports shown will not support this configuration. Is this the configuration that must be used?

Answer: The pedestal roof will be acceptable in any configuration.

24. Question – Are wood trusses with strips to fasten the metal to acceptable for the pedestal roof?

Answer: Wood construction in any configuration will be acceptable for the pedestal roof.

25. Question – For the South Section St. Lift Station, Sheet 7F, Note 4 calls for 2 runs of 3" conduit with 4- 350 MCM from the service pole to the transfer switch, but Sheet 7G only shows 200 amp control panel. Which will be used?

Answer: Provide 4#3/0, 2-½" conduit to feed a 200 Amp control panel. See revised plan sheet 7F attached in addendum 01 for this change. The attached plan sheet will completely replace the previous version (IFB 5/23/22) in its entirety.

26. Question – For the Pier & Mobile St. Lift Station, Sheet 10C shows 1- 2-½" conduit with 4- 3/0 feeding a 400 Amp control panel. Is this correct?

Answer: Provide 4#500, 4" conduit to feed a 400 Amp control panel. See revised plan sheet 10C attached in Addendum 01 for this change. The attached plan sheet will completely replace the previous version (IFB 5/23/22) in its entirety.

27. Question – For the Lift Station Rehabilitation project, some transfer switches are shown as automatic and some as manual. Should they all be manual or automatic?

Answer: Transfer switches are to be automatic type, set to manual.

28. Question – For the lift station panel stands, can 3"x3"x1/4" SS tubing be used in lieu of 3"x3"x5/16"?

Answer: Yes.

29. **Drawing Amendment:** For the North Mobile Lift Station, provide 3#500, 4" C to feed a 400 Amp control panel (single-phase). This change can be seen on revised plan sheet 11B in Addendum 01. The attached plan sheet will completely replace the previous version (IFB 5/23/22) in its entirety.

30. **Drawing Amendment:** A suction lift bypass connection detail was added to sheet 3B. Revision is attached with this addendum. This detail will apply to all lift stations. The attached plan sheet will completely replace the previous version (IFB 5/23/22) in its entirety.

31. Question - Is there any geotechnical information available for any of the sites?

Answer: Yes. There is a geotechnical report with information on each site is in Volume 2 of the contract documents. See contract amendment 37 (below) for more information on this.

32. Question - North Section Lift Station, Dwg. 6, please confirm if the existing SMH indicated to be removed under this contract is correct. It does not seem possible if the existing wet well is to remain in operation and be removed later by others?

Answer: This manhole will be removed by others and is not apart of the current contract. See revision to plan sheet 6. The attached plan sheet will completely replace the previous version (IFB 5/23/22) in its entirety.

33. Question - Regarding Dwg. 14, Lift Station Site Plan, includes a note regarding 6' high fencing and a gate. Please confirm no fencing is required at any of the sites other than removal/replacement of existing fencing as required at several sites?

Answer: That is correct. The City will remove and install fences. See revised plan sheet. The attached plan sheet will completely replace the previous version (IFB 5/23/22) in its entirety.

34. Question - Do the construction entrances installed as shown on the drawings need to be removed at the completion of the project?

Answer: No. The gravel construction entrances can be left as a means for access for the City.

35. Question - For the Alternate – Removing Existing Wet Well, do the existing concrete wet wells need to be completely removed, or can they remain in place and the cavity filled, compacted and graded as outlined?

Answer: The alternates where removing existing wet well is an item of work, the existing concrete wet wells are set up to filled, compacted, and graded, however, if the contractor elects to remove the existing wet well, that can be accommodated as well.

36. Question - Dwg. 14, Lift Station Site Plan, includes a note regarding providing compacted limerock base within the perimeter fence. Please confirm this compacted limerock base is not required.

Answer: That is correct. No lime rock aggregate surfacing is required within the lift station area. This plan sheet has been revised. The attached plan sheet will completely replace the previous version (IFB 5/23/22) in its entirety.

37. **Contract Amendment:** Volume 2 of the contract documents has a set of plans at the end of the Geotechnical Report that is inconsistent with the construction plans issued with this bid package. These plans in the Geotech report are from a previous iteration of the project and shall not be referenced by the contractor for bid submission or construction.

38. **Contract Amendment:** By signing this addendum, the contractor acknowledges that he/she has reviewed Volume 2 of 2 of the contract documents. Contractor is not required to submit a copy of volume 2 of 2 with their bid documents.

39. Question - On some of the lift station details shown in the set of drawings, the pump flow & head differ from the flow & head shown on the lift station detail drawings contained in the Appendix of the specification. Which parameters are we to use?

Answer: See comment 37. That was an older iteration of the plans.

40. Question - Lift station detail drawings in the specification Appendix mention pre-rotation basins, are they required?

Answer: No.

41. Question - Specifications call for an MPE SC1000 lift station controller. Fairhope has standardized on the MPE SC100 lift station controller which is not available at this time due to parts availability. Do we price the MPE SC1000 or the MPE SC100?

Answer: For the purposes of the bid, price the MPE SC1000.

42. Question - Control Panel specification calls for Furnance ESP-100 motor starters. Can Schneider Electric (Square-D) be used?

Answer: Yes.

43. Question - At what pump motor Hp do we need to use a soft-start?

Answer: 15 hp

44. **Drawing Amendment:** The curb inlet protection detail on plan sheet 3A was revised. This revision is attached with this addendum. The attached plan sheet will completely replace the previous version (IFB 5/23/22) in its entirety.

Submitted by:

Dewberry Engineers, Inc.


Andrew N. Bobe

Responders are to include signed Addendums with submitted bid documents. Addendums shall be attached to front cover of bid document.

Acknowledged:

Company

By

Date

**FAIRHOPE UTILITIES
ADCNR RESTORE ACT LIFT STATION REHABILITATION PLANS
UNIT PRICE BID SCHEDULE - ADDENDUM 01**

June 27, 2022

NORTH MOBILE LIFT STATION					
ITEM	DESCRIPTION	UNIT	ACT. QTY.	UNIT PRICE	AMOUNT
LIFT STATION ITEMS					
1	REMOVAL OF ALL PUMPS, RAILS, BRACKETS, FASTENERS, LIFTING CHAIN ASSEMBLY, METAL PIPING, VALVES, CONTROL PANELS, & ELECTRICAL CONDUIT & WIRE ABOVE GROUND HOUSING	LS	1		
2	2 - 150 GPM SUBMERSIBLE PUMPS, CONTROL PANEL INSTALLATION, VALVE ASSEMBLY (STAINLESS), 2-PLUG VALVES, & ALL NECESSARY FITTINGS & HARDWARE AS DETAILED***	LS	1		
3	CONDUIT, & ALL OTHER ELECTRICAL INFRASTRUCTURE (AS DETAILED PER PLAN)	LS	1		
4	BY-PASS OPERATION FOR PUMP INSTALLATION	LS	1		
5	AIR RELEASE VALVE ASSEMBLY W/ PIPING BACK TO WET WELL	EA	2		
6	SAW CUT EXISTING WET WELL TOP AND INSTALL NEW TOP	LS	1		
7	PERMANENT BY-PASS ASSEMBLY, PAD, PIPING, CAM LOCK, 1-GATE VALVE, 1-PLUG VALVE, 1-DI TEE, 1-DI SLEEVE, & RETAINER GLANDS AS DETAILED	LS	1		
8	8" PVC C900 TEMPORARY PLUG (INSTALLATION & REMOVAL)	EA	1		
9	SOLID SODDING OF ACCESS ROAD (POST-CONSTRUCTION)	SY	260		
10	TOPSOIL	CY	29		
11	SILT FENCE (AS DIRECTED BY ENGINEER)	LF	150		
SUB TOTAL FOR LIFT STATION ITEMS					
***CONTROL PANEL INCLUDED WITH LIFT STATION ASSEMBLY					
MISCELLANEOUS ITEMS					
12	MOBILIZATION	LS	1		
SUB TOTAL FOR MISCELLANEOUS ITEMS					
TOTAL NORTH MOBILE LIFT STATION					
ADDITIVE ALTERNATE #8 TEMS					
13	ODOR CONTROL UNIT AT LIFT STATION	LS	1		
SUB TOTAL FOR ADDITIVE ALTERNATE #8 ITEMS					

ADDITIVE ALTERNATE #9 ITEMS					
14	CLEAN, DRY, & LINE EXISTING WET WELL PER SPECIFICATION	LS	1		
14.01	LINE EXISTING MANHOLE (6'-8' DEEP)	EA	1		
SUB TOTAL FOR ADDITIVE ALTERNATE #9 ITEMS					
CONTINGENCY ITEMS*					
15	4" DI 11.25 DEGREE D.I. MJ FITTING W/ FOSTERS ADAPTOR AND RETAINER GLAND	EA	2		
16	4" DI 22.5 DEGREE D.I. MJ FITTING W/ FOSTERS ADAPTOR AND RETAINER GLAND	EA	2		
17	4" DI 45 DEGREE D.I. MJ FITTING W/ FOSTERS ADAPTOR AND RETAINER GLAND	EA	2		
SUB TOTAL FOR CONTINGENCY ITEMS					
*FITTINGS AND PIPE UNDER CONTINGENCY SHALL BE PRE-ORDERED WITH BASE BID ITEMS IN ORDER TO HAVE MATERIALS READILY AVAILABLE IF NECESSARY.					
GRAND TOTAL NORTH MOBILE LIFT STATION (INCLUDES ADD ALT & CONTINGENT ITEMS)					

FAIRHOPE UTILITIES
ADCNR RESTORE ACT LIFT STATION REHABILITATION PLANS
UNIT PRICE BID SCHEDULE - ADDENDUM #01
June 27, 2022

SOUTH SECTION STREET LIFT STATION

ITEM	DESCRIPTION	UNIT	ACT. QTY.	UNIT PRICE	AMOUNT
REMOVAL ITEMS					
1	CLEARING & GRUBBING (APPROX. 0.1 ACRES)	LS	1		
2	REMOVE & REPLACE WOODEN FENCING AS IS	LF	45		
3	REMOVAL OF CONCRETE SIDEWALK	SY	10		
4	REMOVAL AND REPLACEMENT OF CONCRETE DITCH	LF	60		
5	SAW CUT EXISTING ASPHALT (APPROX. 48 LF)	LS	1		
6	REMOVAL OF EXISTING ASPHALT	SY	108		
SUB TOTAL FOR REMOVAL ITEMS					
LIFT STATION ITEMS					
7	DEWATERING FOR LIFT STATION	LS	1		
8	AIR RELEASE VALVE ASSEMBLY W/ PIPING BACK TO WET WELL	EA	2		
9	SHORING FOR WET WELL INSTALLATION	LS	1		
10	BALLAST CONCRETE FOR WET WELL**	LS	1		
11	12" COMPACTED AGGREGATE (#57 STONE - INLCUDES SEPARATION FABRIC) BASE FOR LIFT STATION (95" MODIFIED PROCTOR)**	LS	1		
12	2 - 400 GPM SUBMERSIBLE PUMPS, CONTROL PANEL INSTALLATION, VALVE ASSEMBLY (STAINLESS), 2-PLUG VALVES, 1-GATE VALVE, & ALL NECESSARY FITTINGS & HARDWARE AS DETAILED***	LS	1		
13	WET WELL* - (SELECT ONE) CONCRETE WET WELL - FIBERGLASS WET WELL	LS	1		
14	CONDUIT, & ALL OTHER ELECTRICAL INFRASTRUCTURE (AS DETAILED PER PLAN)	LS	1		
15	UNCLASSIFIED EXCAVATION FOR LIFT STATION (HAUL OFF) (NO DIRECT MEASUREMENT WILL BE MADE)**	LS	1		
SUB TOTAL FOR LIFT STATION ITEMS					
*CONTRACTOR HAS CHOICE OF FIBERGLASS OR CAST-IN-PLACE WET WELL. CAST-IN-PLACE OPTION MUST INCLUDE LINING PER SPECIFICATIONS					
**QUANTITIES VARY BASED ON FIBERGLASS WET WELL OR CAST-IN-PLACE WET WELL					
***CONTROL PANEL INCLUDED WITH LIFT STATION ASSEMBLY					
SEWER INFRASTRUCTURE ITEMS					
16	12" EPOXY COATED DUCTILE IRON GRAVITY SEWER w/ RETAINER GLANDS (THROUGH CONCRETE BOX CULVERT)	LF	20		
17	CORE DRILL EXISTING BOX CULVERT: INCLUDES PIPE LINK SEAL	EA	2		
17 17.01	12" PVC C900 GRAVITY SEWER (12' - 14' DEEP)	LF	56		
18	12" PVC C900 GRAVITY SEWER (8' - 10' DEEP)	LF	88		

19	12" PVC C900 GRAVITY SEWER (6' - 8' DEEP)	LF	36		
20	12" PVC C900 GRAVITY SEWER (4' - 6' DEEP)	LF	150		
21	12" C900 STRAIGHT PVC SEWER CAP	EA	6		
22	SEWER MANHOLE W/ INSIDE DROP CONNECTION (12'-14' DEEP)	EA	1		
23	SEWER MANHOLE (6'-8' DEEP)	EA	1		
23.01	DOGHOUSE SEWER MANHOLE (6'-8' DEEP)	EA	1		
24	DOGHOUSE SEWER MANHOLE (8' - 10' DEEP)	EA	3		
25	TEMPORARY 12" PVC C900 SEWER CAP	EA	7		
26	6" FORCE MAIN	LF	300		
27	12" FORCE MAIN	LF	70		
28	6" DI 90 DEGREE FITTING WITH FOSTERS ADAPTOR, EPOXY LINER, & 2-MJ RETAINER GLANDS	EA	2		
29	6" DI 45 DEGREE FITTING WITH FOSTERS ADAPTOR, EPOXY LINER, & 2-MJ RETAINER GLANDS	EA	3		
30	6" DI 11.25 DEGREE FITTING WITH EPOXY LINER, FOSTERS ADAPTOR, & 2-MJ RETAINER GLANDS	EA	3		
31	12" DI 90 DEGREE FITTING WITH FOSTERS ADAPTOR, EPOXY LINER, & 2-MJ RETAINER GLANDS	EA	1		
32	12" DI 45 DEGREE FITTING WITH FOSTERS ADAPTOR, EPOXY LINER, & 2-MJ RETAINER GLANDS	EA	1		
33	12" DI 22.5 DEGREE FITTING WITH EPOXY LINER, FOSTERS ADAPTOR, & 2-MJ RETAINER GLANDS	EA	1		
34	12" DI 11.25 DEGREE FITTING WITH EPOXY LINER, FOSTERS ADAPTOR, & 2-MJ RETAINER GLANDS	EA	1		
35	6"X 12" REDUCER WITH EPOXY LINER, 1-12" FOSTERS ADAPTOR, & 1-6" MJ RETAINER GLAND	EA	1		
36	12"X 10" REDUCER WITH EPOXY LINER & 1-12" FOSTERS ADAPTOR AND 1-12" MJ RETAINER GLAND	EA	2		
37	12"X 16" REDUCER WITH EPOXY LINER & 1-12" FOSTERS ADAPTOR AND 1-16" MJ RETAINER GLAND	EA	1		
38	10" DUCTILE IRON SLEEVE	EA	1		
39	12"X12" DI TEE WITH EPOXY LINER 3-12" FOSTERS ADAPTORS	EA	2		
40	6" MJ PLUG VALVE ASSEMBLY WITH FOSTERS ADAPTOR, RETAINER GLANDS, AND VALVE BOX	EA	1		
41	12" MJ PLUG VALVE ASSEMBLY WITH FOSTERS ADAPTOR, RETAINER GLANDS, AND VALVE BOX	EA	4		
42	IMPROVED TRENCH BACKFILL Class I or II (#67 stone)	CY	518		
43	BEDDING MATERIAL FOR PIPE Class I or II (#67 stone)	CY	74		
44	UNCLASSIFIED EXCAVATION FOR SEWER TRENCH (HAUL OFF)	CYIP	592		
SUB TOTAL FOR SEWER INFRASTRUCTURE ITEMS					
ROADWAY ITEMS					
45	408A- PLANING (MILLING) EXISTING ASPHALT SURFACE	SY	26		
46	424A-1/2" MAX AGG. WEARING SURFACE (110#/SY)	SY	108		
47	424B- 3/4 MAX AGG. BINDER LAYER (220 #/SY)	SY	82		
48	405A- TACK COAT (0.05 GALLONS/SY)	SY	108		

49	825B - CRUSHED AGG BASE FOR TEMPORARY DRIVEABLE SURFACE OVER TRENCH	CY	21		
50	825B - 6" THICK CRUSHED AGG BASE ROAD REPAIR (98% COMPACTION SYIP)	SY	82		
51	ROADBED PROCESSING. MODIFIED ROADBED (95% COMPACTION)	SY	27		
52	CONCRETE SIDEWALK	SY	10		
53	CONCRETE DITCH	LF	60		
54	TEMPORARY AGGREGATE SURFACING FOR SEWER TRENCH (#57 STONE)	TON	11		
55	THERMOPLASTIC STRIPING	LS	1		
SUB TOTAL FOR ROADWAY ITEMS					
EROSION CONTROL ITEMS					
56	SEEDING & MULCHING	SY	440		
57	SOLID SODDING	SY	375		
58	TOPSOIL	CY	42		
59	TEMPORARY CONSTRUCTION ENTRANCE	LS	1		
60	SILT FENCE INSTALLATION AND REMOVAL	LF	270		
61	STRAW WATTLES	LF	32		
62	SAND BAG DITCH CHECK	EA	4		
SUB TOTAL FOR EROSION CONTROL ITEMS					
MISCELLANEOUS ITEMS					
63	MOBILIZATION	LS	1		
64	TRAFFIC CONTROL SCHEME	LS	1		
SUB TOTAL FOR MISCELLANEOUS ITEMS					
TOTAL SOUTH SECTION STREET LIFT STATION					
ADDITIVE ALTERNATE #3 TEMS					
64 64.01	ODOR CONTROL UNIT AT LIFT STATION	LS	1		
SUB TOTAL FOR ADDITIVE ALTERNATE #3 ITEMS					
CONTINGENCY ITEMS****					
65	12" DI 11.25 DEGREE D.I. MJ FITTING W/ FOSTERS ADAPTOR AND RETAINER GLAND	EA	2		
66	12" DI 22.5 DEGREE D.I. MJ FITTING W/ FOSTERS ADAPTOR AND RETAINER GLAND	EA	2		
67	12" DI 45 DEGREE D.I. MJ FITTING W/ FOSTERS ADAPTOR AND RETAINER GLAND	EA	2		
68	SEWER TRENCH DEWATERING	LF	100		
SUB TOTAL FOR CONTINGENCY ITEMS					
*FITTINGS AND PIPE UNDER CONTINGENCY SHALL BE PRE-ORDERED WITH BASE BID ITEMS IN ORDER TO HAVE MATERIALS READILY AVAILABLE IF NECESSARY.					
GRAND TOTAL SOUTH SECTION STREET LIFT STATION (INCLUDES ADD ALT & CONTINGENT ITEMS)					

FAIRHOPE UTILITIES
ADCNR RESTORE ACT LIFT STATION REHABILITATION PLANS
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THOMPSON HALL LIFT STATION					
ITEM	DESCRIPTION	UNIT	ACT. QTY.	UNIT PRICE	AMOUNT
REMOVAL ITEMS					
1	REMOVAL OF EXISTING PUMPS, PUMP HOUSING, RAILS, BRACKETS, FASTENERS, LIFTING CHAIN ASSEMBLY, METAL PIPING, VALVES, CONTROL PANELS, & ELECTRICAL CONDUIT & WIRE FOR LINING OF WET WELL (AND ALL OTHER LIFT STATION INFRASTRUCTURE)	LS	1		
2	REMOVE AND REPLACE WOODEN FENCE IN CONFLICT WITH PROPOSED GRAVITY SEWER	LS	1		
SUB TOTAL FOR REMOVAL ITEMS					
LIFT STATION ITEMS					
3	BYPASSING FOR LIFT STATION REHABILITATION/PUMP INSTALLATION	LS	1		
4	2 - 600 GPM SUBMERSIBLE PUMPS, CONTROL PANEL INSTALLATION, VALVE ASSEMBLY (STAINLESS), 2-PLUG VALVES, 1-GATE VALVE, & ALL NECESSARY FITTINGS & HARDWARE AS DETAILED***	LS	1		
5	CLEAN, DRY, & LINE EXISTING WET WELL ACCORDING TO SPECIFICATION (INCLUDES CEMENTITIOUS UNDERLAYMENT PRIOR TO URETHANE COAT)	LS	1		
6	SAW CUT EXISTING WET WELL TOP AND INSTALL NEW TOP (AS DETAILED)	LS	1		
7	AIR RELEASE VALVE ASSEMBLY W/ PIPING BACK TO WET WELL	EA	2		
SUB TOTAL FOR LIFT STATION ITEMS					
***CONTROL PANEL INCLUDED WITH LIFT STATION ASSEMBLY					
SEWER INFRASTRUCTURE ITEMS					
8	10" PVC C900 GRAVITY SEWER (8' - 10' DEEP)	LF	30		
9	10" TEMPORARY PLUG	EA	1		
10	CORE DRILL EXISTING MANHOLE; INCLUDES PIPE CONNECTOR BOOT & STAINLESS STEEL CLAMPS	EA	2		
11	IMPROVED TRENCH BACKFILL Class I or II (#67 STONE)	CY	37		
12	BEDDING MATERIAL FOR PIPE Class I or II (#67 STONE)	CY	4		
13	UNCLASSIFIED EXCAVATION FOR SEWER TRENCH (HAUL OFF)	CYIP	41		
SUB TOTAL FOR SEWER INFRASTRUCTURE					
EROSION CONTROL ITEMS					
14	SOLID SODDING	SY	103		
15	TOPSOIL	CY	12		
16	SILT FENCE INSTALLATION AND REMOVAL (AS DIRECTED BY ENGINEER)	LF	120		
SUB TOTAL FOR EROSION CONTROL ITEMS					

MISCELLANEOUS ITEMS					
17	MOBILIZATION	LS	1		
18	TRAFFIC CONTROL SCHEME	LS	1		
SUB TOTAL FOR MISCELLANEOUS ITEMS					
TOTAL FOR THOMPSON HALL LIFT STATION					
ADDITIVE ALTERNATE #4 TEMS					
18.01	ODOR CONTROL UNIT AT LIFT STATION	LS	1		
18.02	LINE EXISTING MANHOLE (8'-10' DEEP)	EA	1		
18.03	LINE EXISTING MANHOLE (10'12' DEEP)	EA	2		
SUB TOTAL FOR ADDITIVE ALTERNATE #4 ITEMS					
CONTINGENCY ITEMS					
19	SEWER TRENCH DEWATERING	LF	25		
SUB TOTAL FOR CONTINGENCY ITEMS					
GRAND TOTAL FOR THOMPSON HALL LIFT STATION (INCLUDES ADD ALT & CONTINGENT ITEMS)					

RFQ PS017-20 ENGINEERING SERVICES FOR FAIRHOPE SEWER UPGRADE PHASE I

ALABAMA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES (ADCNR) GRANT #S1P25-FSU1 RESOURCES AND ECOSYSTEM SUSTAINABILITY, TOURIST OPPORTUNITIES, AND REVIVED ECONOMIES OF THE GULF COAST STATES ACT OF 2012 (RESTORE ACT) STATE EXPENDITURE PLAN #25 FAIRHOPE SEWER UPGRADE PHASE I SPILL IMPACT COMPONENT GRANT PROJECT THE GULF COAST ECOSYSTEM RESTORATION COUNCIL

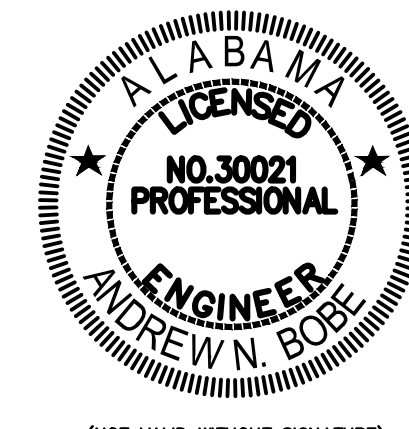
LIFT STATION REHABILITATION & REPLACEMENT PLANS

VICINITY MAP



Prepared For:

**CITY OF FAIRHOPE
ALABAMA**



Andrew N. Bober

Signature

(NOT VALID WITHOUT SIGNATURE)
2022.06.27

Date:

ANDREW N. BOBER

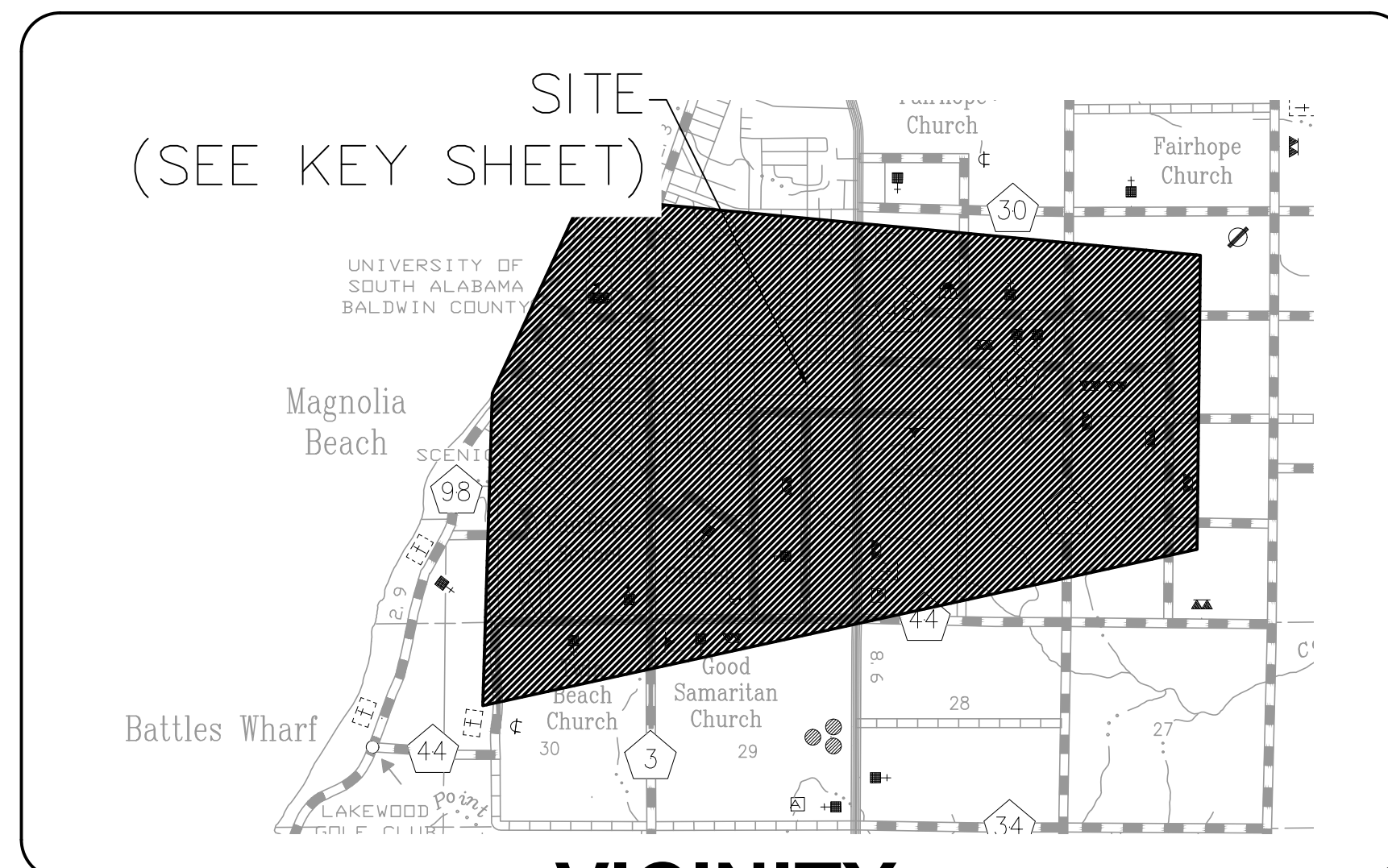
30021

Project Engineer

Reg. No.

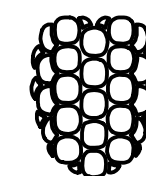
- ERRORS AND OMISSIONS, IF ANY, IN THESE CONSTRUCTION DOCUMENTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- GENERAL CONTRACTOR TO THOROUGHLY INSPECT EXISTING CONDITIONS PRIOR TO SUBMITTING BID. ANY DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS SHALL BE NOTED AT ONCE AND CALLED TO THE ENGINEER'S ATTENTION PRIOR TO SUBMITTING BID.
- ALL CORRESPONDENCE IN REGARDS TO THESE CONSTRUCTION/BID DOCUMENTS SHALL BE DIRECTED TO:
ANDY BOBER
DEWBERRY ENGINEERS, INC.
251-990-9781

NOTES



VICINITY MAP

Prepared By:



Dewberry

25353 FRIENDSHIP ROAD DAPHNE, AL 36526
251-990-9950 phone 251-990-9910 fax www.dewberry.com

JUNE, 2022

Project Number: 50134463

IFB 6/27/22

REVISIONS:			
NO.	DATE	APPR.	REVISION
01	06/27/22	LRM	SHEETS 3A, 3B, 6, 6A, 6B, 7F, 10C, 11B, 14

REVISIONS

FAIRHOPE UTILITIES STANDARD SPECIFICATIONS

SPECIFICATIONS

1

2

3

4

5

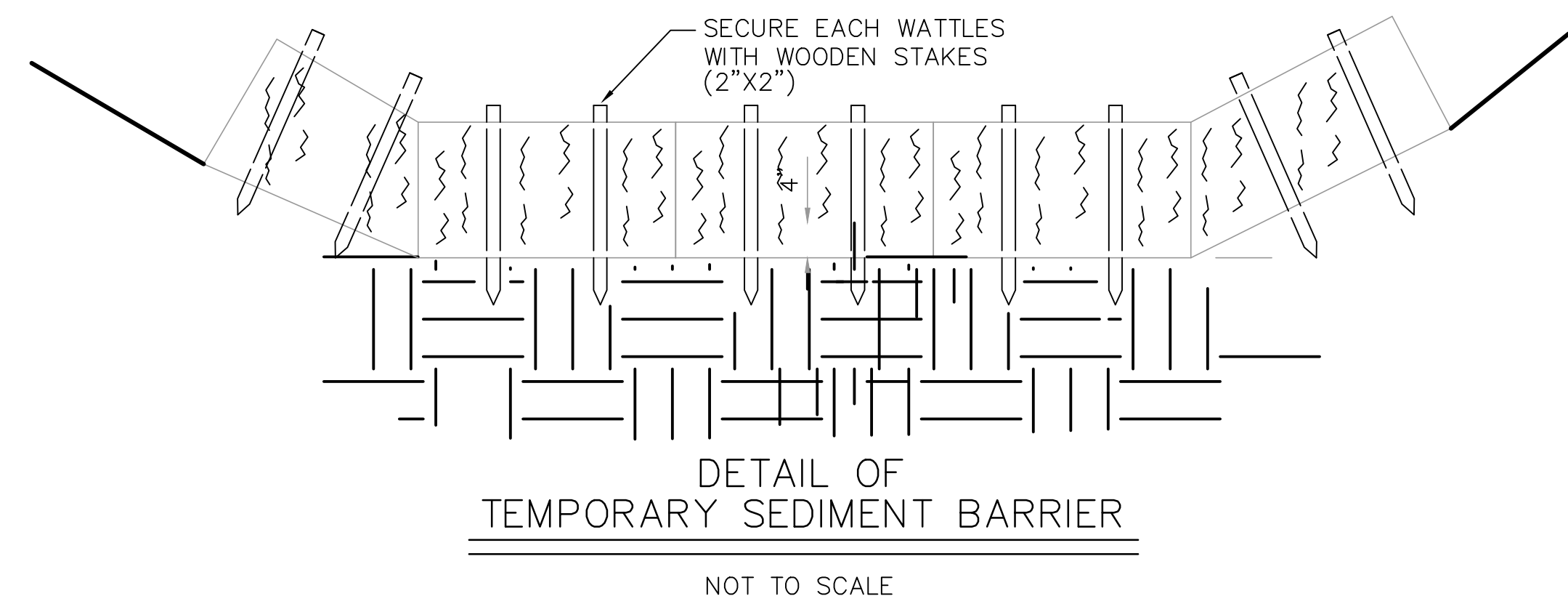
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D

C

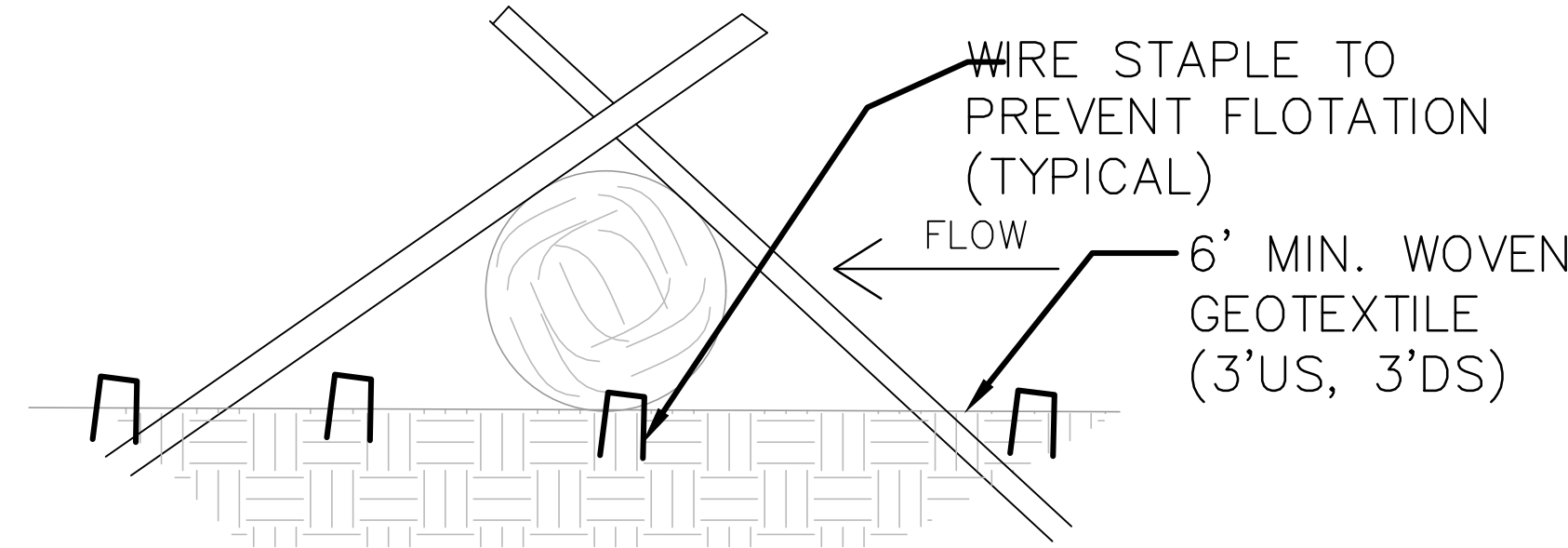
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A

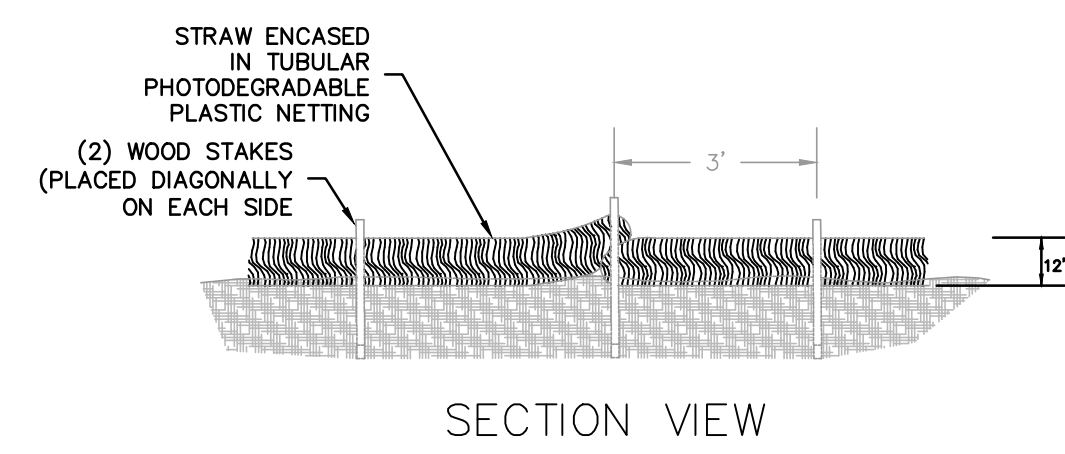


DETAIL OF TEMPORARY SEDIMENT BARRIER

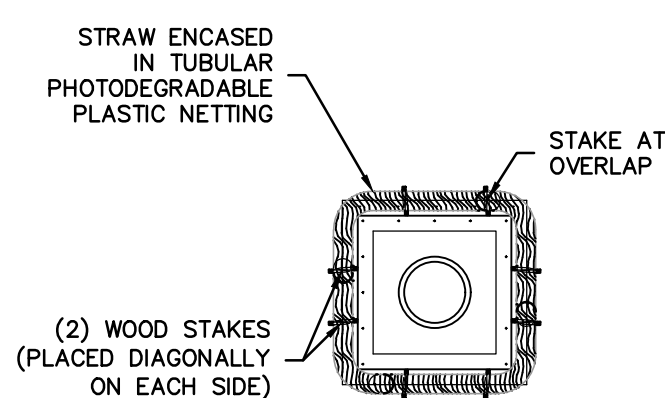
NOT TO SCALE



WIRE STAPLE TO PREVENT FLOTATION (TYPICAL)
FLOW
6' MIN. WOVEN GEOTEXTILE (3'US, 3'DS)

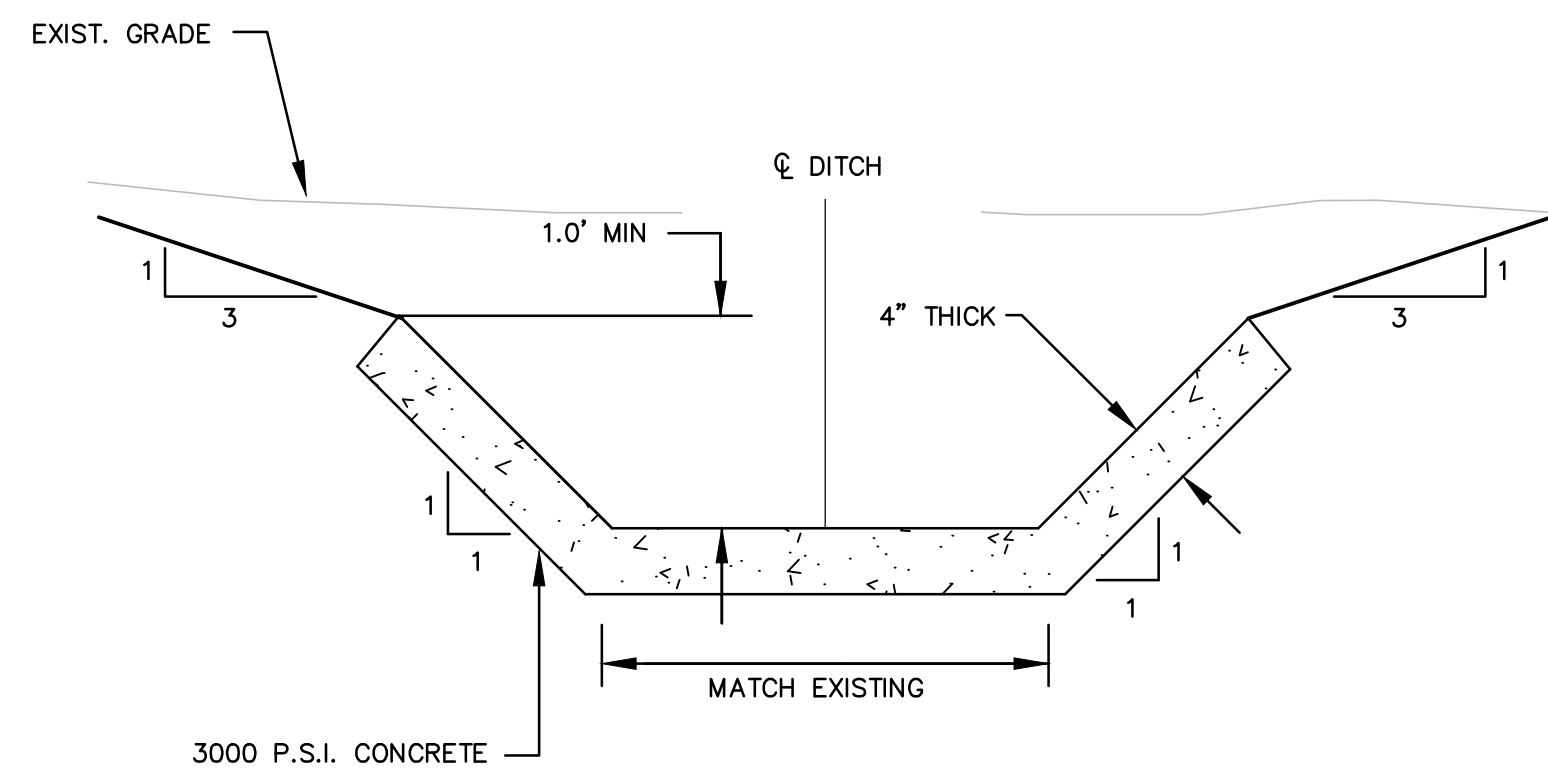


SECTION VIEW



PLACEMENT DETAIL

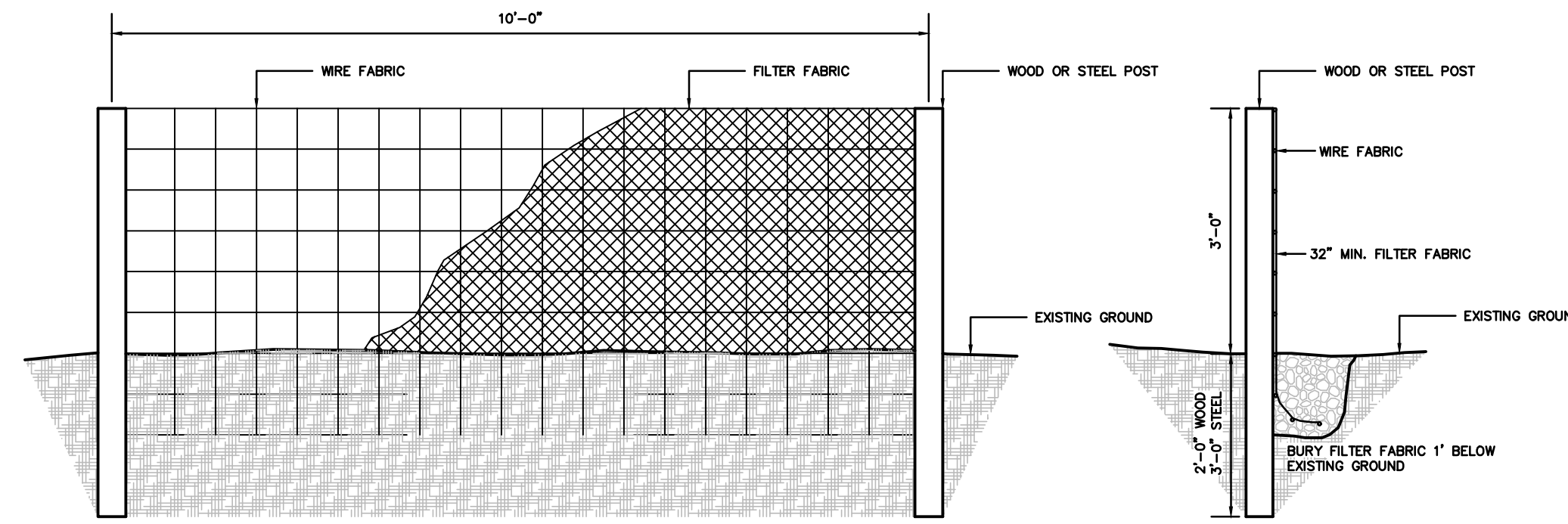
STRAW WATTLE DETAIL
NTS



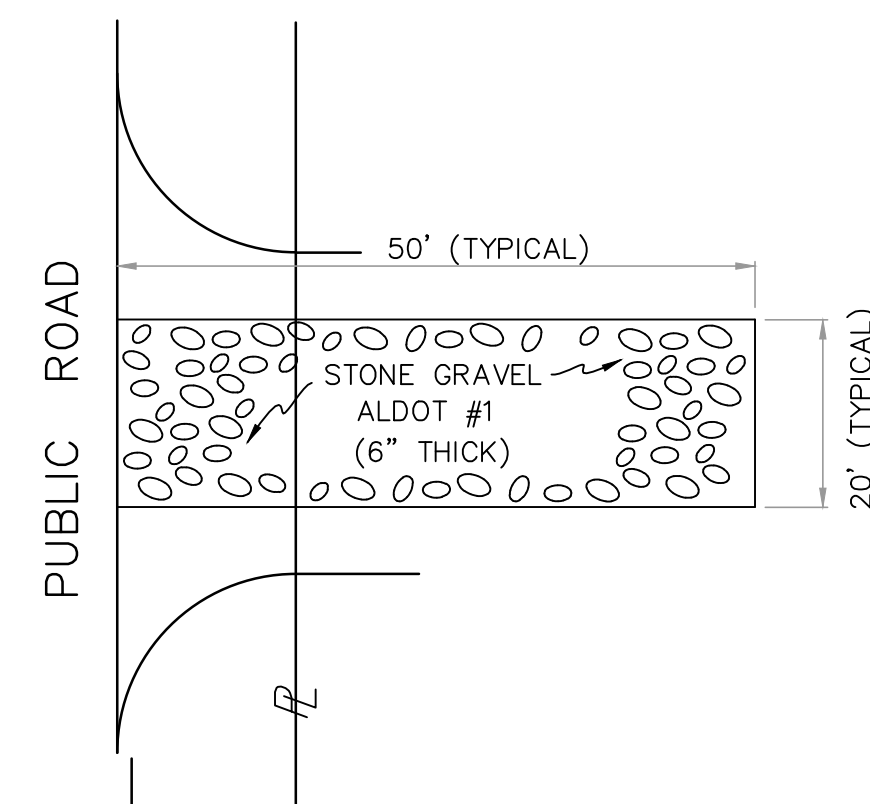
CONCRETE DITCH DETAIL

N.T.S.

1. EXPANSION JOINT 3/8" WIDE SHALL BE PROVIDED WHEN THE LENGTH OF FLUME OR DITCH EXCEEDS 80 FEET AND AT RIGID FIXED OBJECTS. CONSTRUCTION AND CONTRACTION JOINT SPACING SHALL BE AS APPROVED BY THE ENGINEER, HOWEVER CONTRACTION JOINT SPACING SHALL NOT EXCEED 10 FEET. CONTRACTION JOINTS SHALL BE MADE WITH AN APPROVED MARKING TOOL.
2. EXPANSION JOINT MATERIAL SHALL MEET THE REQUIREMENTS OF SECTION 832.01 ALABAMA DEPARTMENT OF TRANSPORTATION SPECS.
3. WHERE PAVED DITCHES OR FLUMES ADJOIN DRAINAGE STRUCTURES WITH FLARED WINGS OR HEADWALLS, IT IS DESIRABLE FOR WIDTH OF DITCH TO MATCH WIDTH OF STRUCTURE OPENING TO INSURE PROPER HYDRAULICS AND BE AESTHETIC.
4. ON STEEP SLOPES ADDITIONAL TOE WALLS MAY BE REQUIRED IF DIRECTED BY THE ENGINEER.



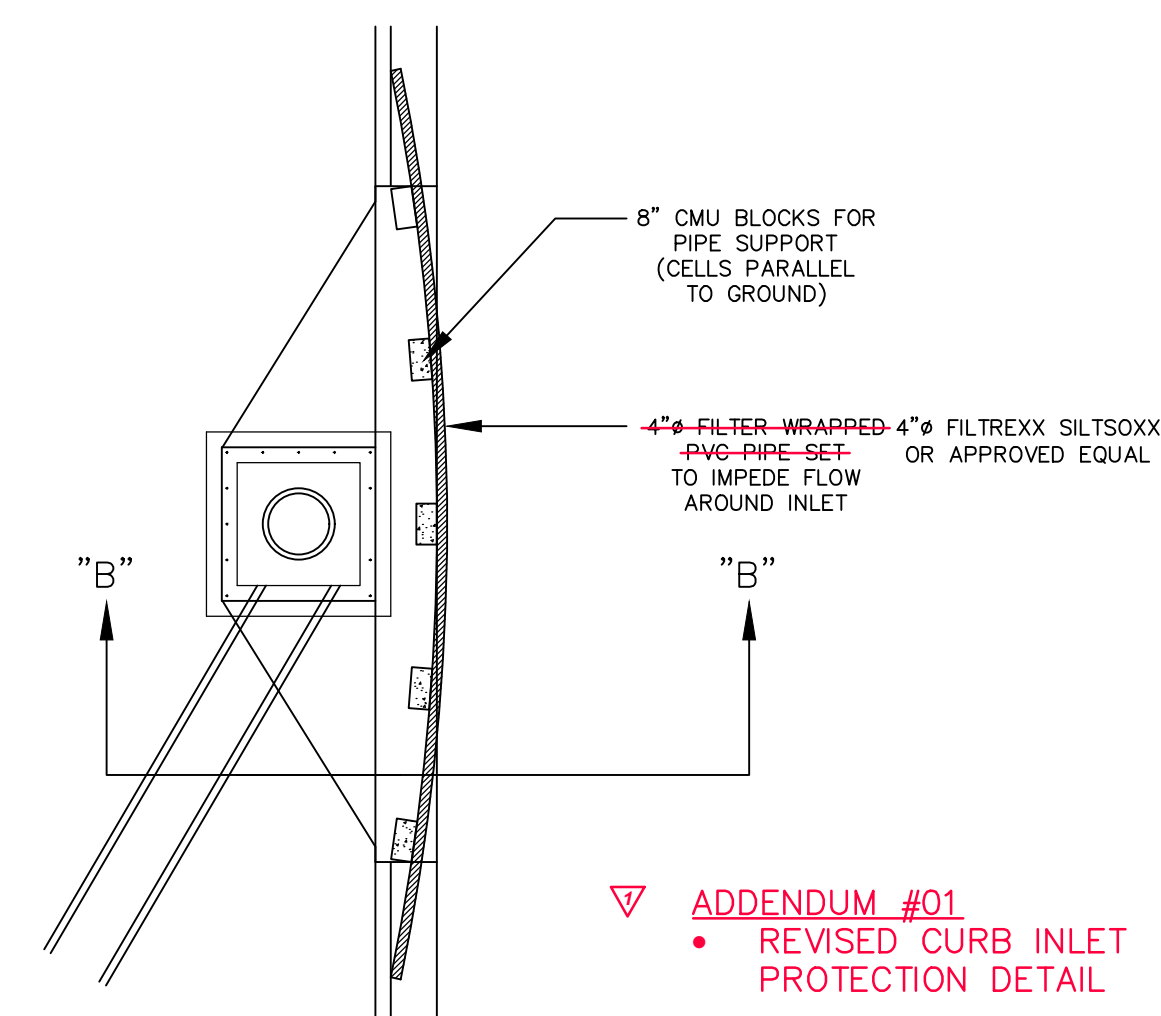
SILT FENCE DETAIL



DETAIL OF TEMPORARY CONSTRUCTION ENTRANCE

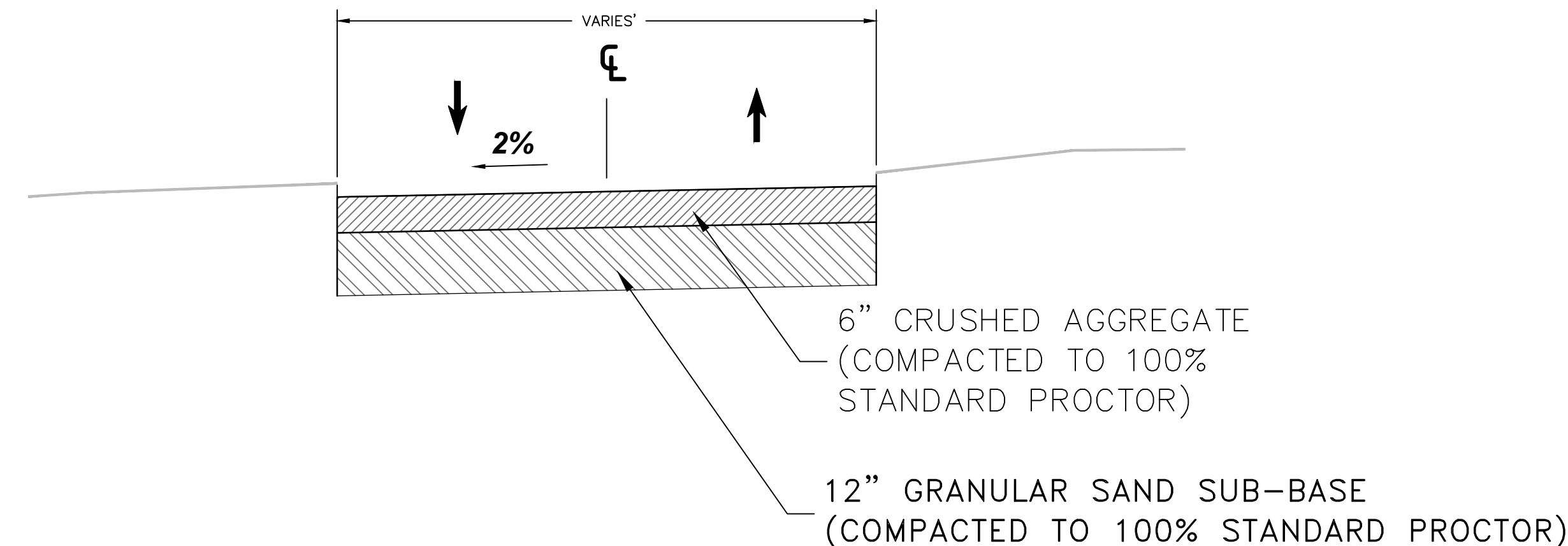
NOT TO SCALE

- NOTES:
1. ENTRANCE SHALL BE MAINTAINED TO PREVENT TRACKING OR FLOW OF MUD INTO PUBLIC R.O.W.
 2. PERIODIC TOP DRESSING WITH NEW AGGREGATE MAY BE REQUIRED.
 3. ALL MATERIAL SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLE OR SITE ONTO ROADWAY OR INTO AN EXISTING STORM DRAIN SYSTEM MUST BE REMOVED IMMEDIATELY.
 4. ENTRANCE TO BE LOCATED WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC R.O.W. STREET, ALLEY, SIDEWALK OR PARKING AREA.



SECTION "B" - "B"

CURB INLET PROTECTION DETAIL

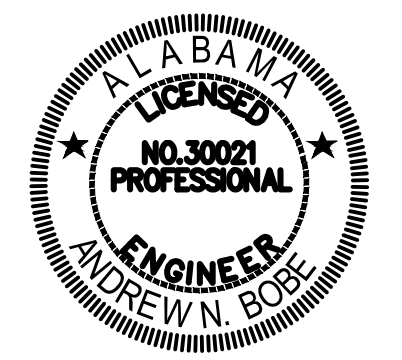


GRAVEL ACCESS ROAD

NOT TO SCALE

IFB 06/27/22

SEAL



SCALE

NO.	DESCRIPTION	DATE
ADDENDUM 01		6/27/22

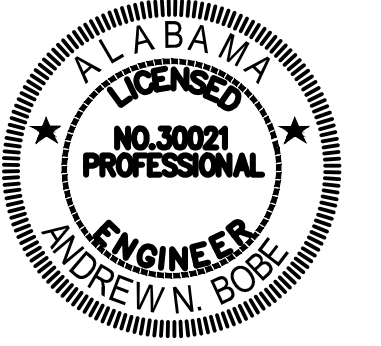
REVISIONS

DRAWN BY	KLS
APPROVED BY	ANB
CHECKED BY	ANB
DATE	APRIL, 2022

TITLE

**PROJECT
DETAILS**

SEAL



SCALE

N/A

NO.	DESCRIPTION	DATE
ADDENDUM #01		6/24/22

REVISIONS

DRAWN BY	_____	KLS
APPROVED BY	_____	ANB
CHECKED BY	_____	KLS
DATE	_____	APRIL, 2022

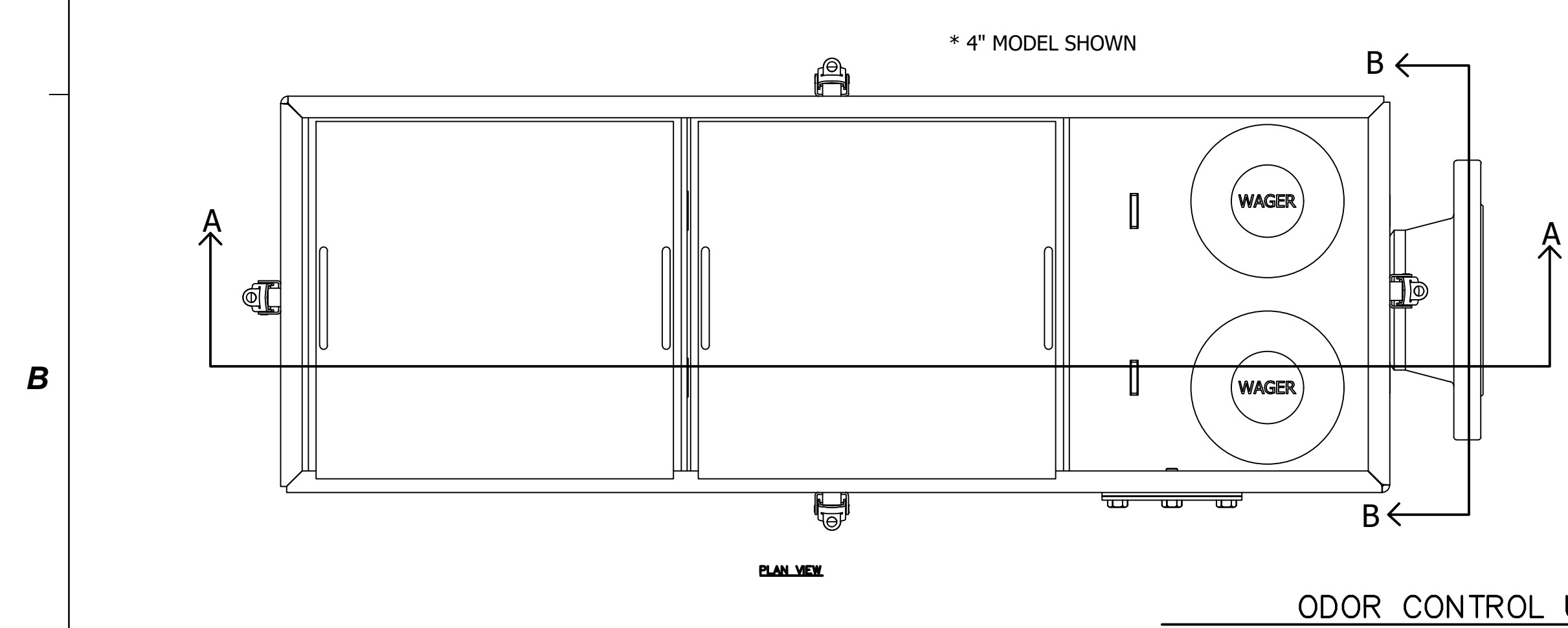
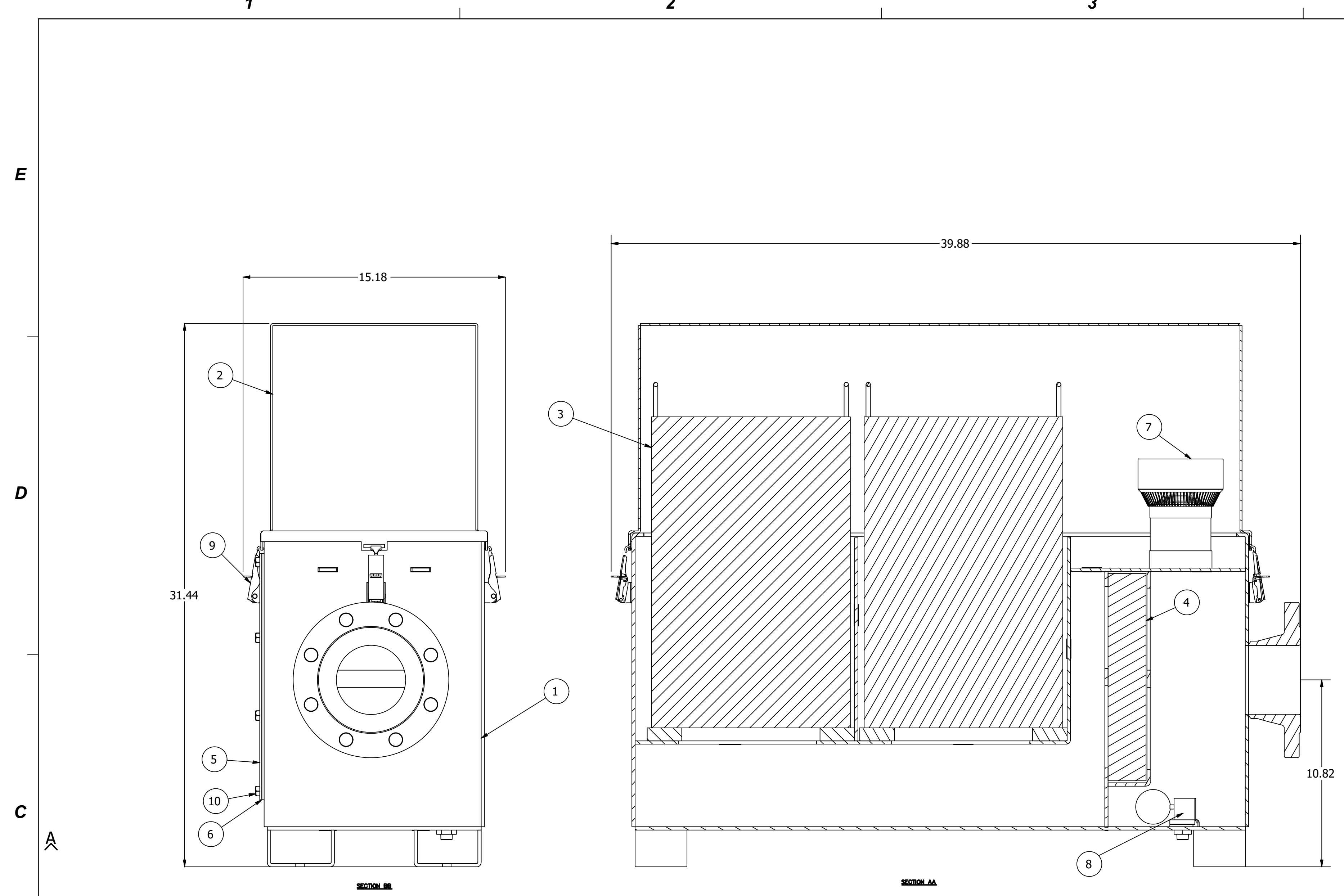
TITLE

**PROJECT
DETAILS**

PROJECT NO. 50134463

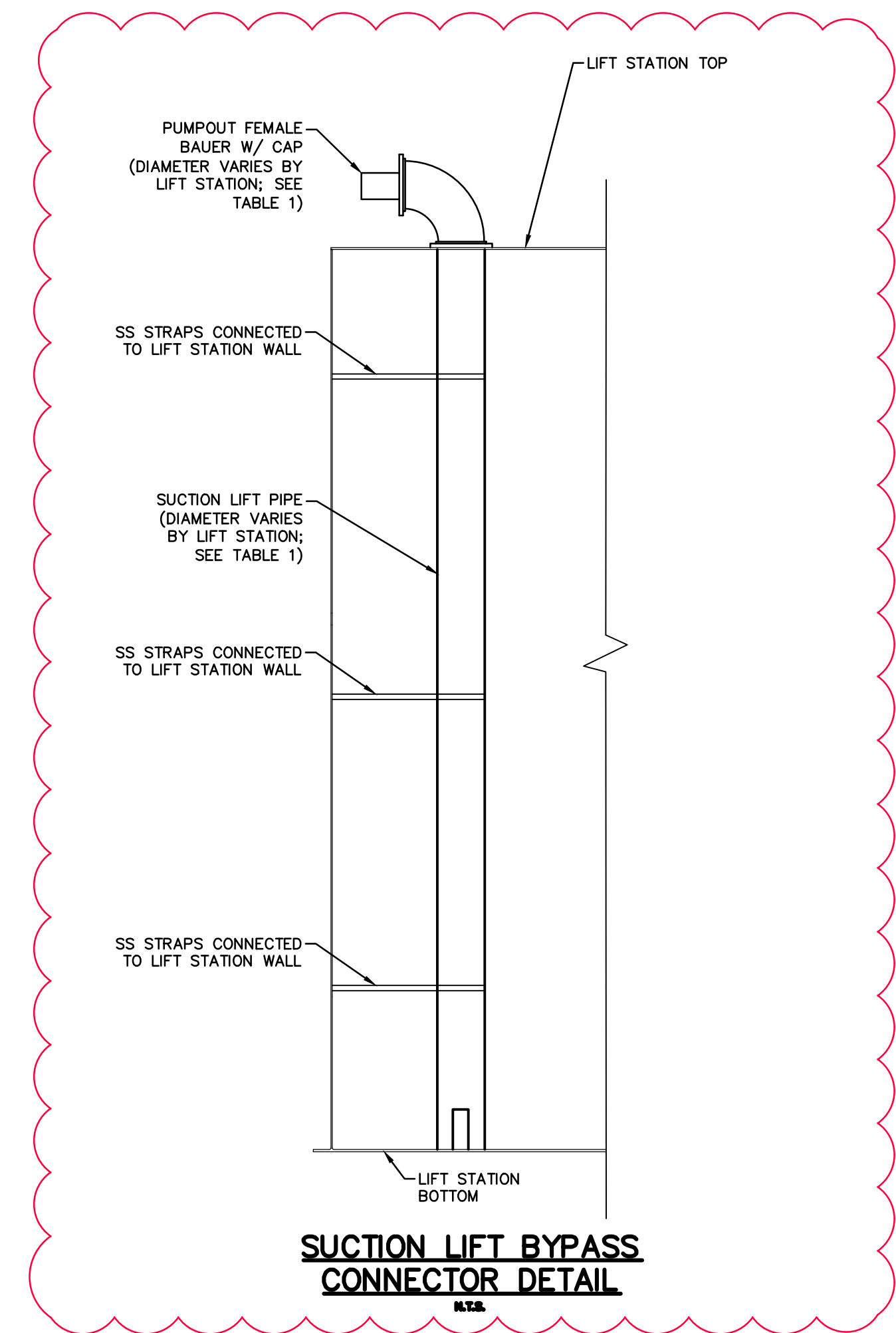
3B

SHEET NO.



SIDE ACCESS SEWER VENT, ODOR CONTROL W/ INTAKE AND WATER SEPARATOR, 100 LBS. MEDIA

ITEM	QTY	DESCRIPTION
1	1	SEWER VENT, IWS
2	1	TOP COVER, SA
3	2	MEDIA CARTRIDGE
4	1	WATER SEPARATOR PAD
5	1	PAD COVER
6	1	PAD COVER GASKET
7	2	VAUUM RELIEF VALVE
8	1	BOTTOM DRAIN
9	4	COVER LATCH
10	6	PAD COVER BOLTS



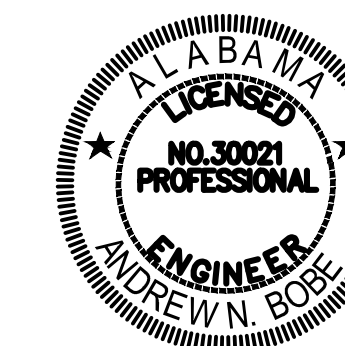
ADDENDUM #01
• ADDED SUCTION LIFT BYPASS CONNECTOR DETAIL

TABLE 1

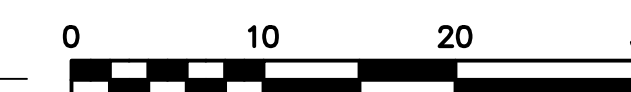
LIFT STATION	SUCTION LIFT BYPASS LINE & PUMPOUT FEMALE BAUER DIAMETER (IN.)
NORTH SECTION	6"
SOUTH SECTION	4"
THOMPSON HALL	6"
WHITE GROVE	4"
PIER & MOBILE	6"
NORTH MOBILE	4"

IFB 06/27/22

SEAL



SCALE



ADDENDUM 01 6/24/22

NO.	DESCRIPTION	DATE

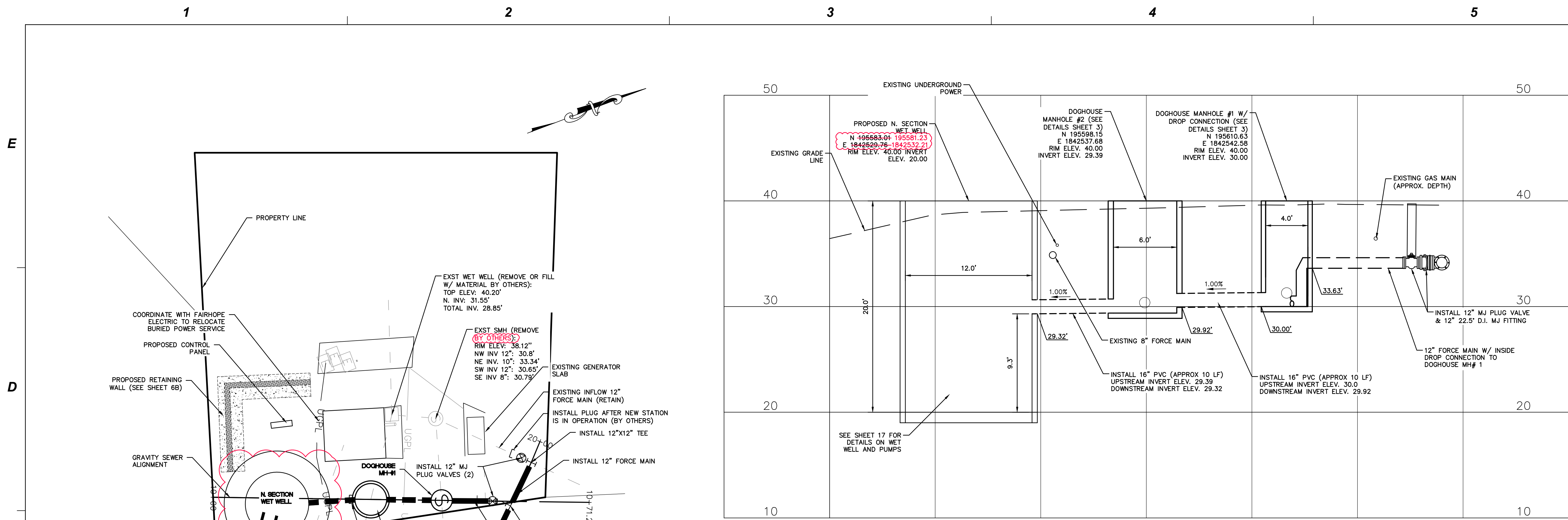
REVISIONS

DRAWN BY LRM
APPROVED BY KLS
CHECKED BY KLS
DATE APRIL, 2022

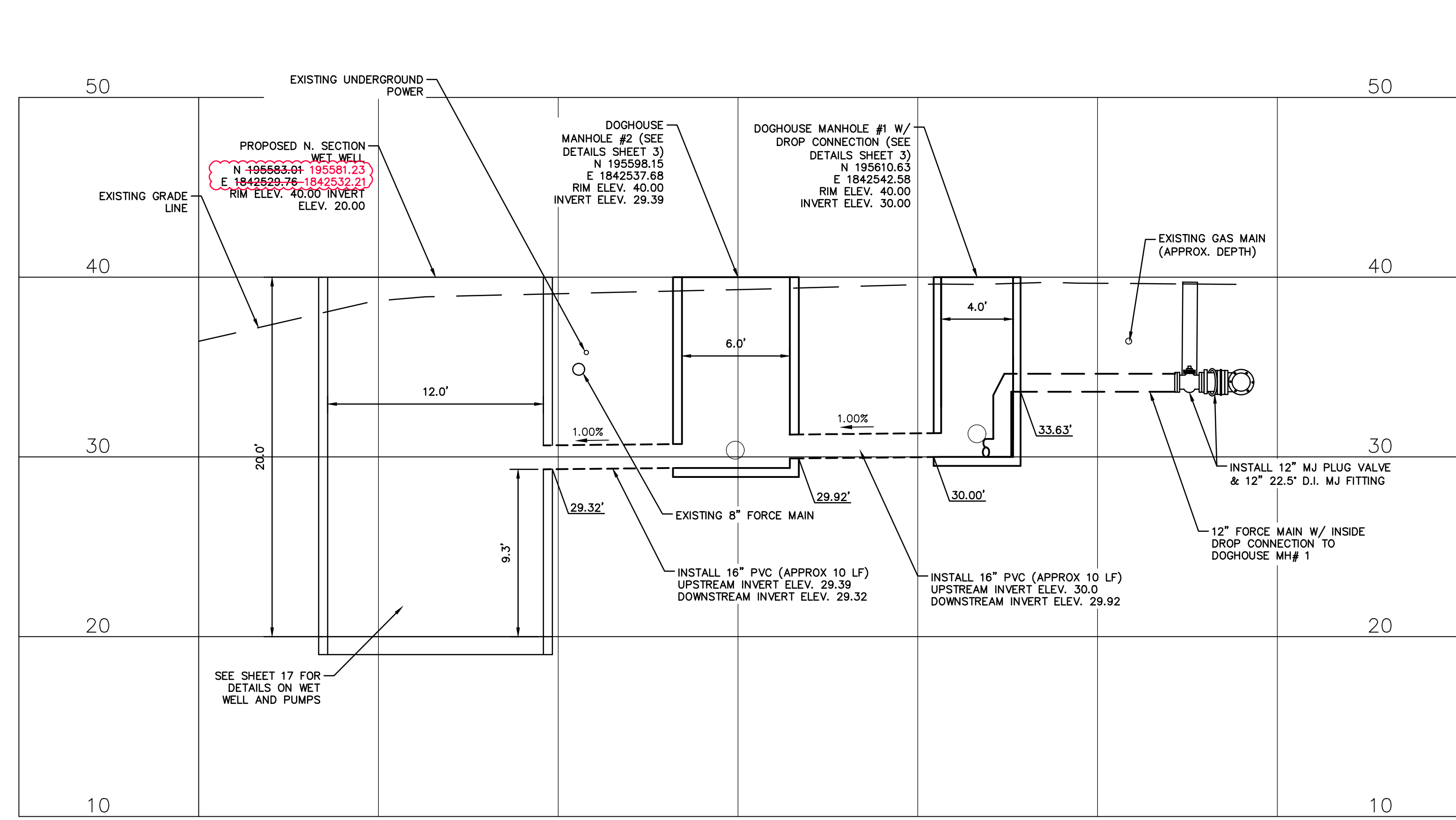
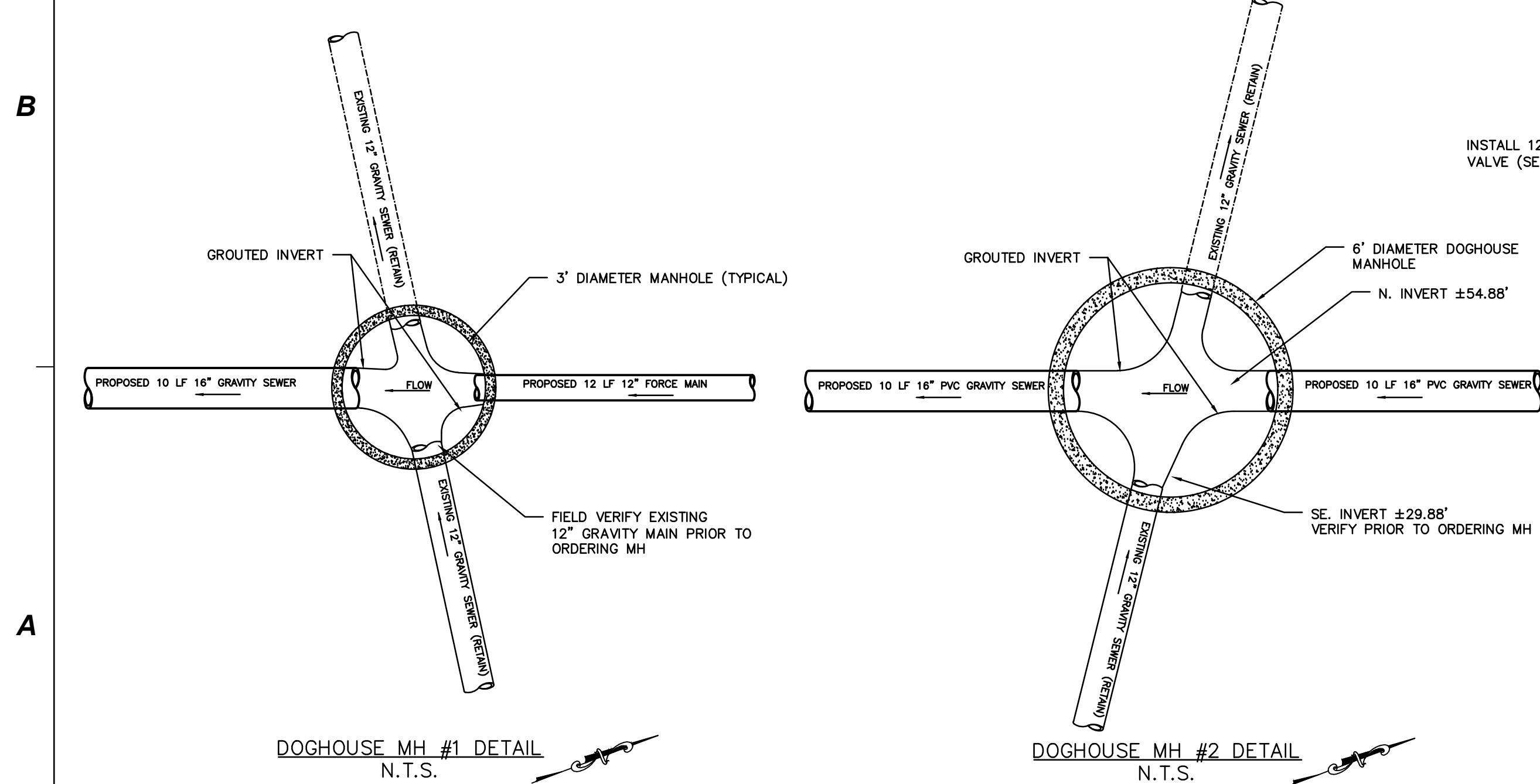
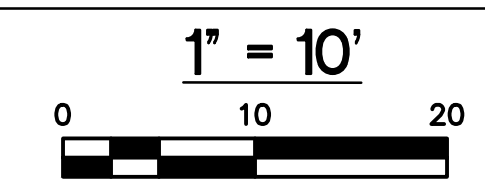
TITLE

**NORTH SECTION
PROPOSED PLAN;
FORCE MAIN & GRAVITY
PROFILE**

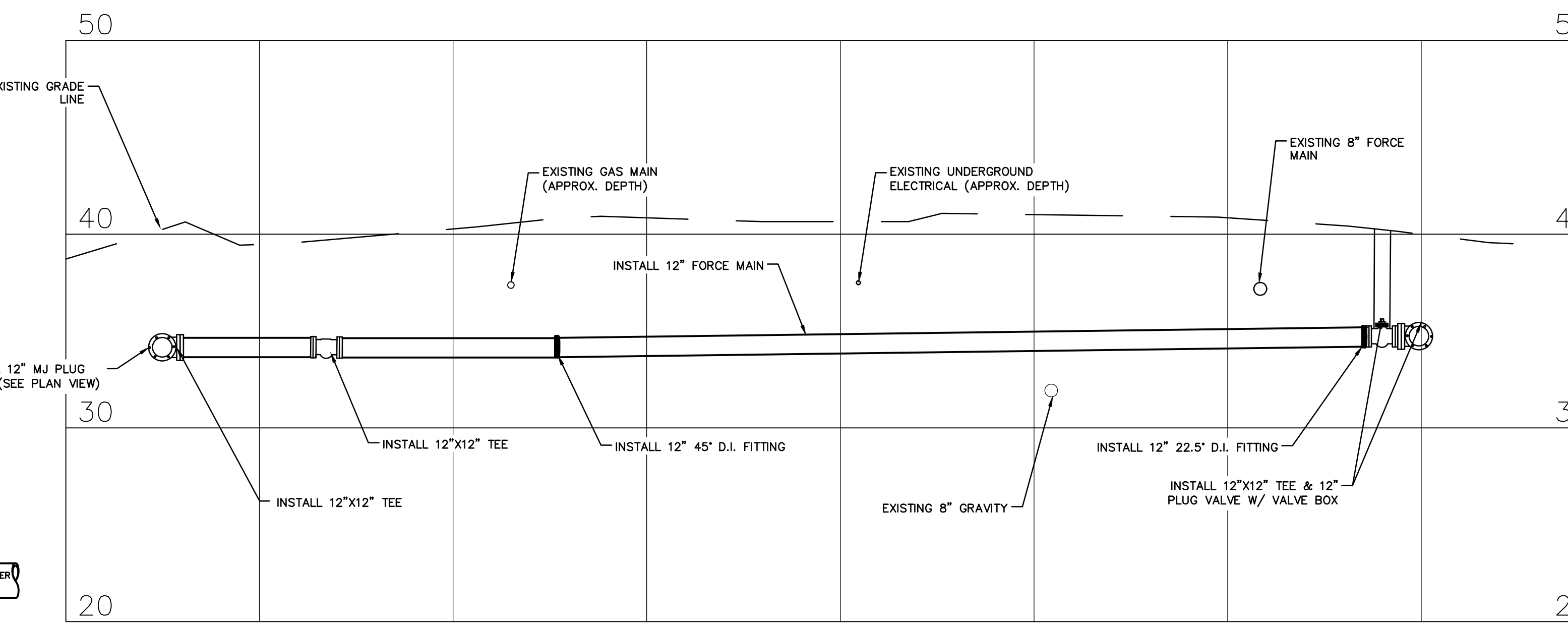
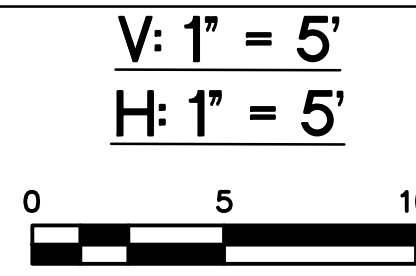
PROJECT NO. 50134463



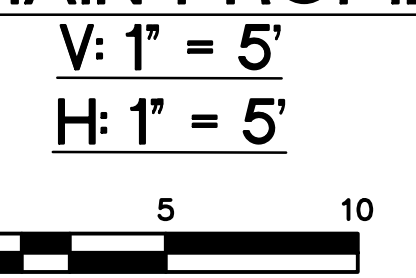
FORCE MAIN AND GRAVITY SEWER PLAN VIEW



GRAVITY SEWER PROFILE VIEW



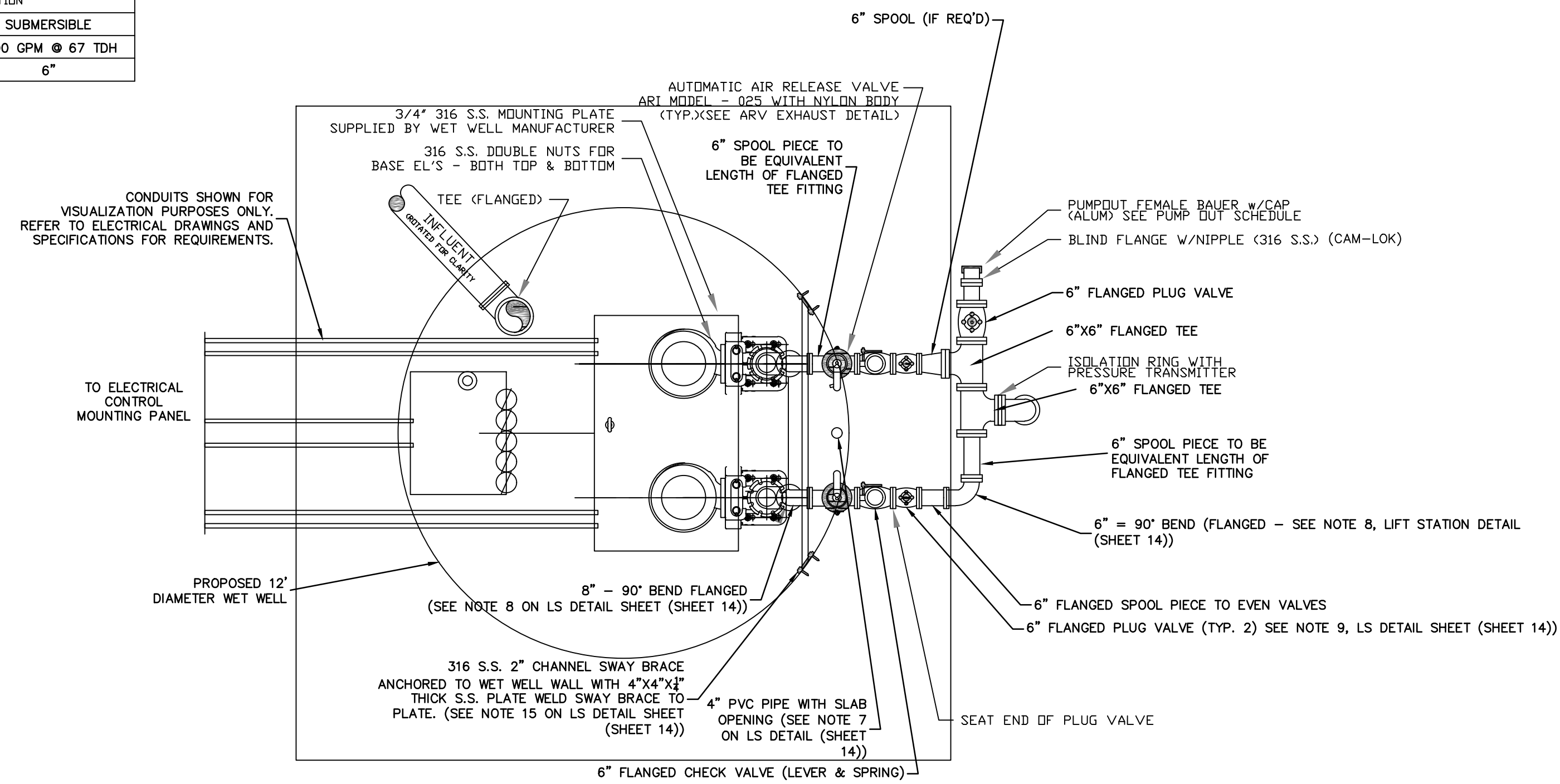
FORCE MAIN PROFILE VIEW



NOTE:
1. INVERT OF EXISTING 12" GRAVITY MAIN AT DOGHOUSE MH#1 AND MH#2 NEEDS TO BE FIELD VERIFIED PRIOR TO ORDERING MH.

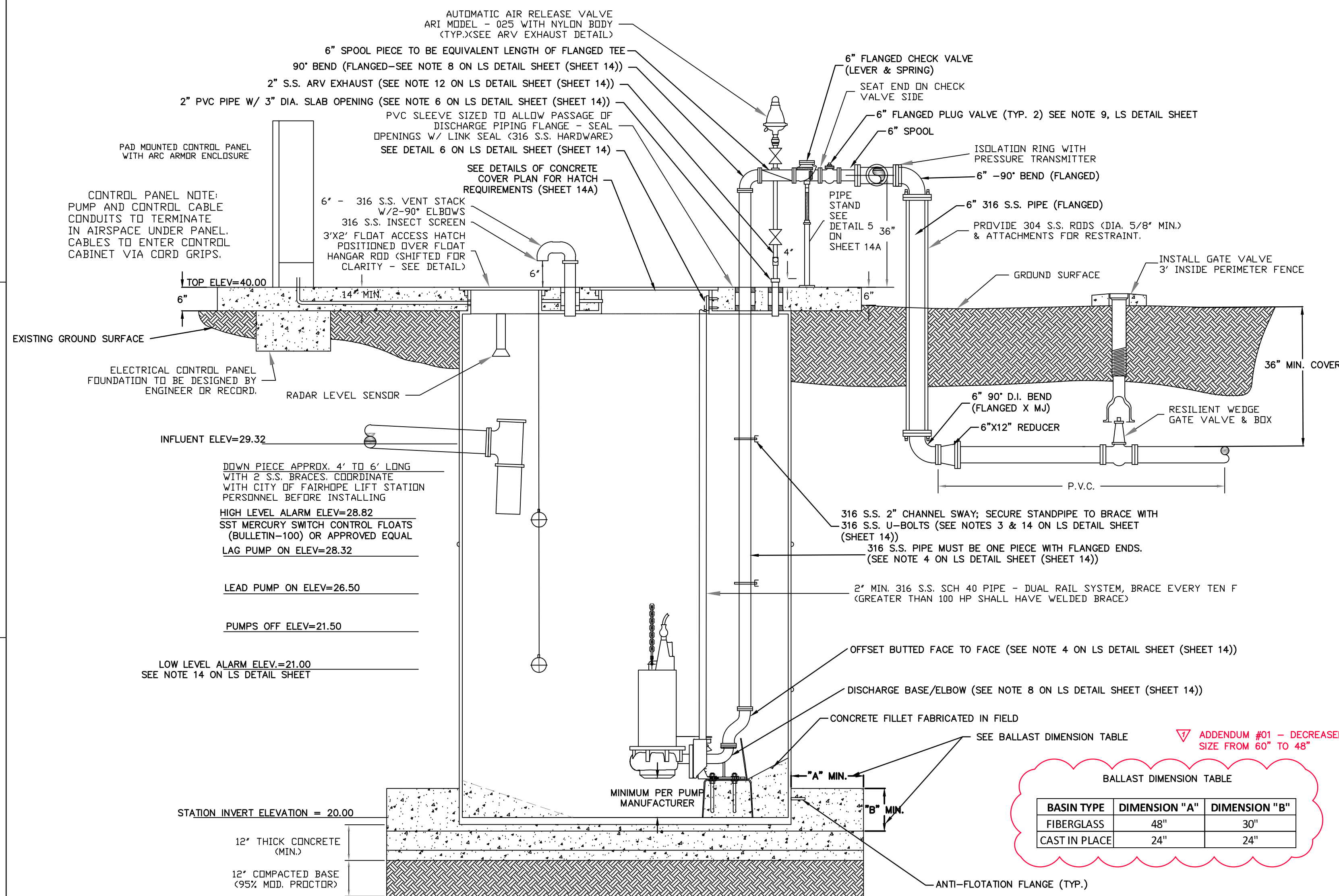
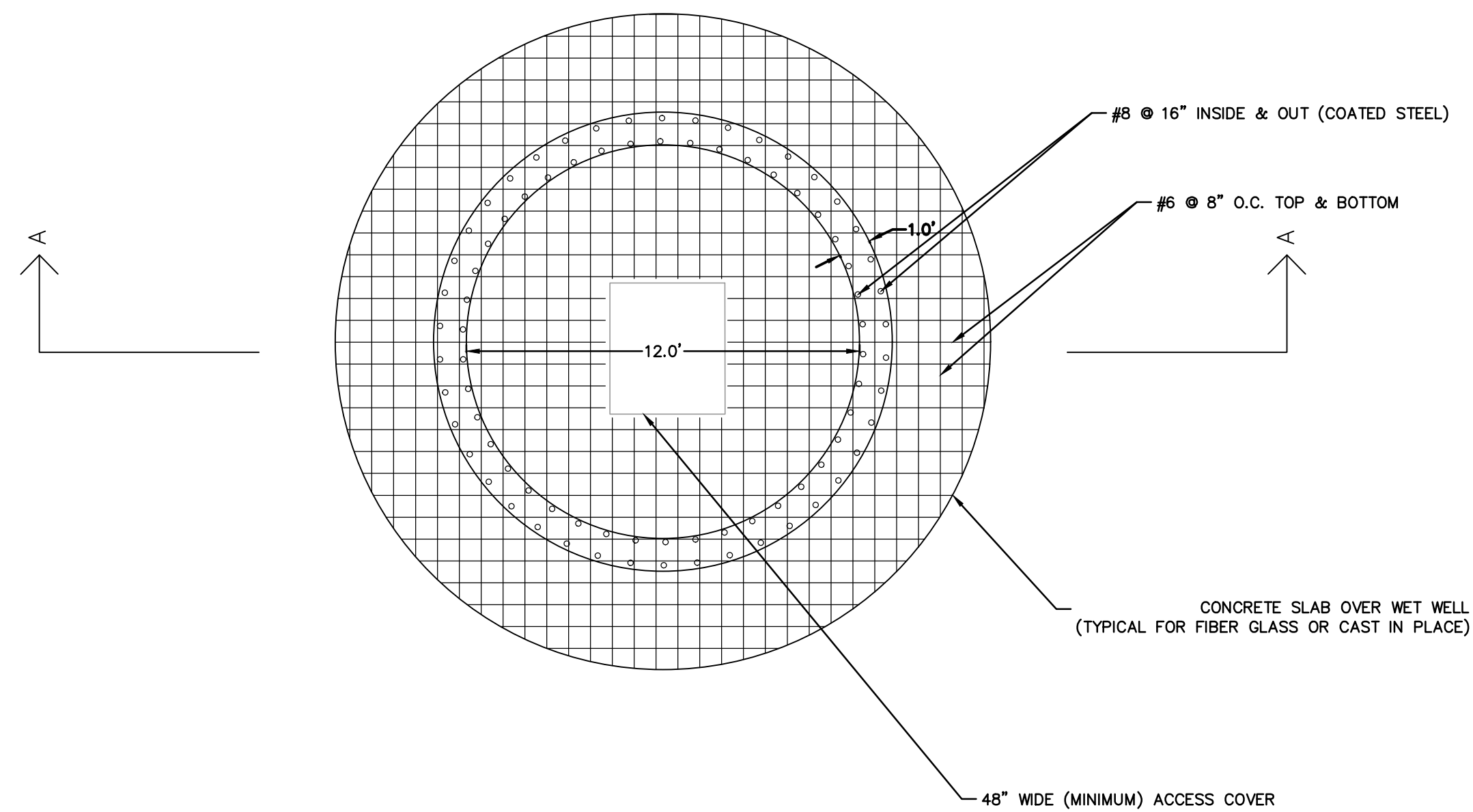
IFB 06/27/22

PUMP INFORMATION	
TYPE PUMP	SUBMERSIBLE
PUMP DESIGN POINT (GPM @ TDH)	900 GPM @ 67 TDH
DISCHARGE PIPE SIZE	6"



- NOTES:
1. THIS DETAIL SHOWS THE SCHEMATIC PLAN FOR THE LIFT STATION. CONTRACTOR TO REFERENCE PLAN VIEW FOR PIP LOCATION AND FLOW DIRECTION.
 2. SEE CONCRETE COVER PLAN. COVER NOT SHOWN IN PLAN VIEW FOR CLARITY.

PROPOSED NORTH SECTION WET WELL STEEL REINFORCEMENT DETAILS



ADDENDUM #01 - DECREASED DIMENSION "A" FIBERGLASS BALLAST SIZE FROM 60" TO 48"

BALLAST DIMENSION TABLE		
BASIN TYPE	DIMENSION "A"	DIMENSION "B"
FIBERGLASS	48"	30"
CAST IN PLACE	24"	24"

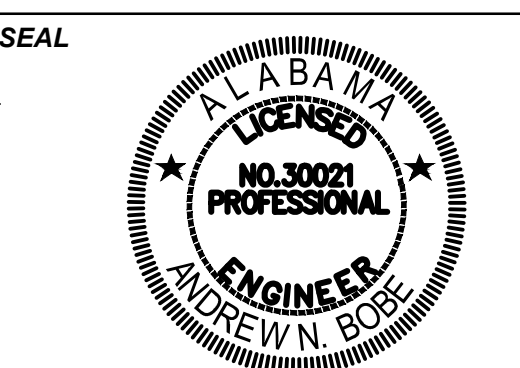
FIBERGLASS WET WELL AND PUMP DETAILS

IFB 06/27/22



25353 FRIENDSHIP ROAD
DAPHNE, AL 36526
251.990.9950

LIFT STATION REHABILITATION AND REPLACEMENT PLANS
CITY OF FAIRHOPE ALABAMA



SCALE
AS SHOWN

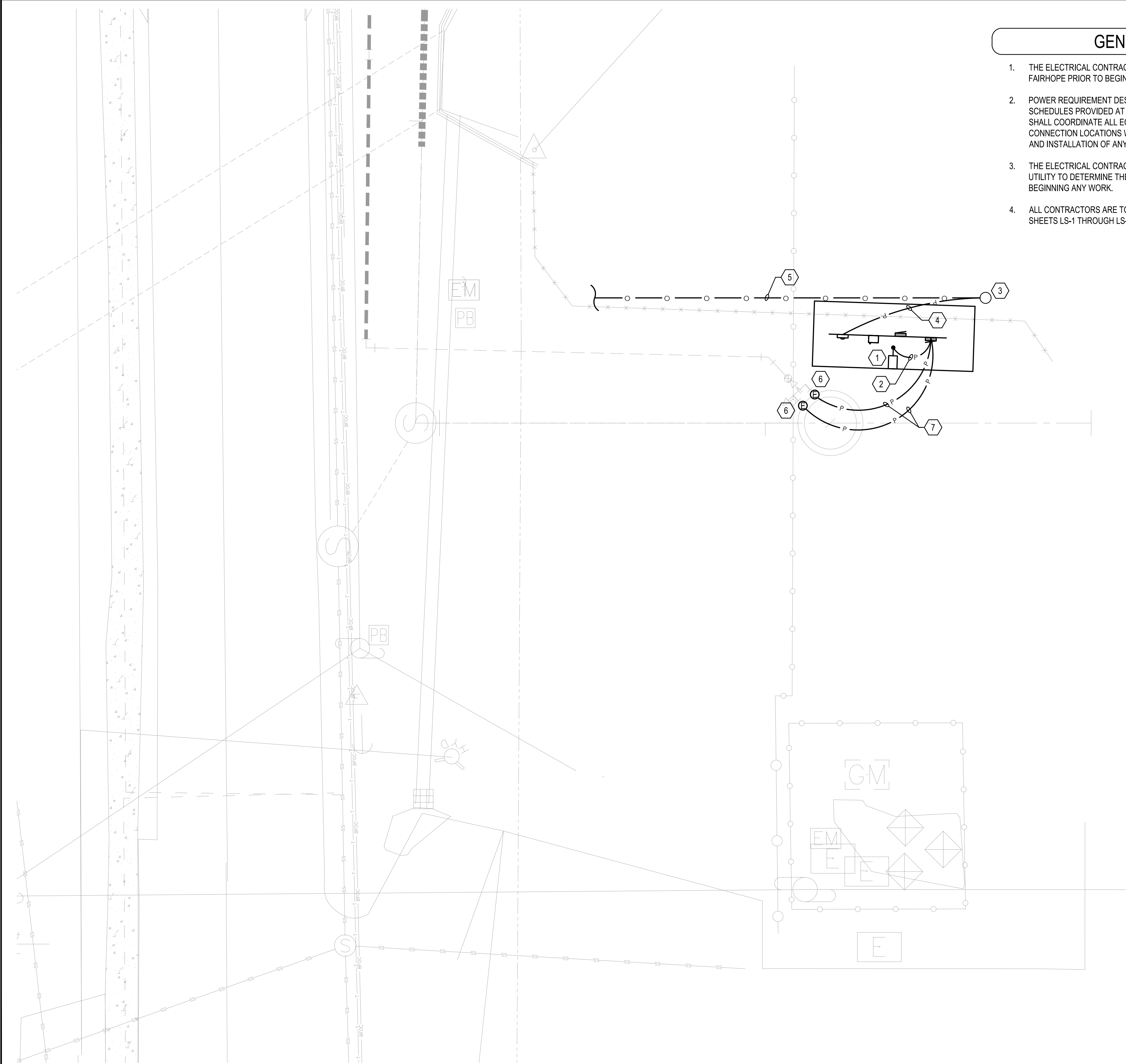
NO.	DESCRIPTION	DATE
ADDENDUM 01		6/27/22

REVISIONS
DRAWN BY: KLS
APPROVED BY: ANB
CHECKED BY: KLS
DATE: APRIL, 2022

TITLE
NORTH SECTION CAST-IN-PLACE AND FIBERGLASS WET WELL OPTION
PROJECT NO. 50134463

6A

SHEET NO.

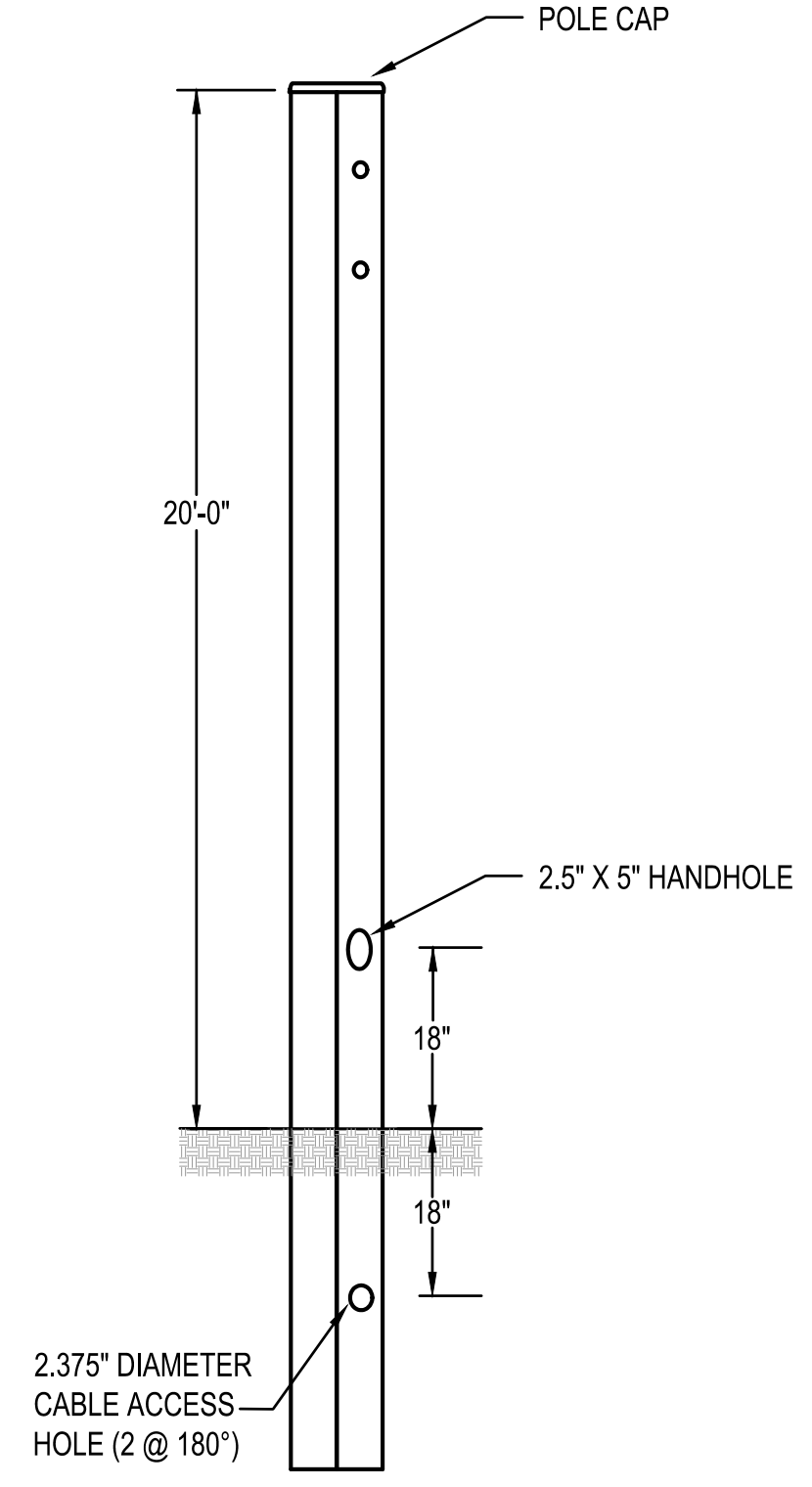


GENERAL NOTES

1. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE CITY OF FAIRHOPE PRIOR TO BEGINNING ANY WORK.
2. POWER REQUIREMENT DESIGN IS BASED ON PRELIMINARY EQUIPMENT SCHEDULES PROVIDED AT THE TIME OF THE DESIGN. THE CONTRACTOR SHALL COORDINATE ALL EQUIPMENT POWER REQUIREMENTS AND POWER CONNECTION LOCATIONS WITH THE ARCHITECT / OWNER PRIOR TO ORDER AND INSTALLATION OF ANY EQUIPMENT.
3. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE SERVING UTILITY TO DETERMINE THE AVAILABLE VOLTAGE AT THE SITE PRIOR TO BEGINNING ANY WORK.
4. ALL CONTRACTORS ARE TO REFERENCE LIFT STATION SPECIFICATIONS, SHEETS LS-1 THROUGH LS-5, FOR TYPICAL LIFT STATION REQUIREMENTS.

SHEET NOTES

- 1 THE ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL A 'ZB(HD)20-5' CMT MARATHON BRONZE SQUARE STEEL POLE FOR MOUNTING FIXTURE 20' A.F.G. INSTALL A LITHONIA DSXO LED P1 40K T5W 120 SPA PIRH DDBXD.
- 2 2#10, 1#10G, 1" PVC CONDUIT 24" BELOW FINISHED GRADE MINIMUM.
- 3 THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE UTILITY PROVIDER TO INSTALL A NEW POWER POLE AT THIS APPROXIMATE LOCATION. PROVIDE AND INSTALL ALL CONDUIT, WIRE, ETC. AS REQUIRED TO TRANSITION TO AN UNDERGROUND SERVICE FEED.
- 4 4#3/0, 2-1/2" PVC CONDUIT, 48" BELOW FINISHED GRADE MINIMUM.
- 5 APPROXIMATE ROUTING OF NEW OVERHEAD LINES PROVIDED AND INSTALLED BY THE UTILITY PROVIDER.
- 6 COORDINATE FINAL ELECTRICAL CONNECTION TO PUMPS PRIOR TO ROUGH-IN.
- 7 PUMP AND CONTROLS WIRING AS SPECIFIED BY THE MANUFACTURER INSTALLED IN 2 - 2" CONDUITS FROM THE CONTROL PANEL TO THE WET WELL.



2 LIGHT POLE DETAIL
NOT TO SCALE

1 SITE PLAN - SOUTH SECTION
SCALE: 1/8"=1'-0"

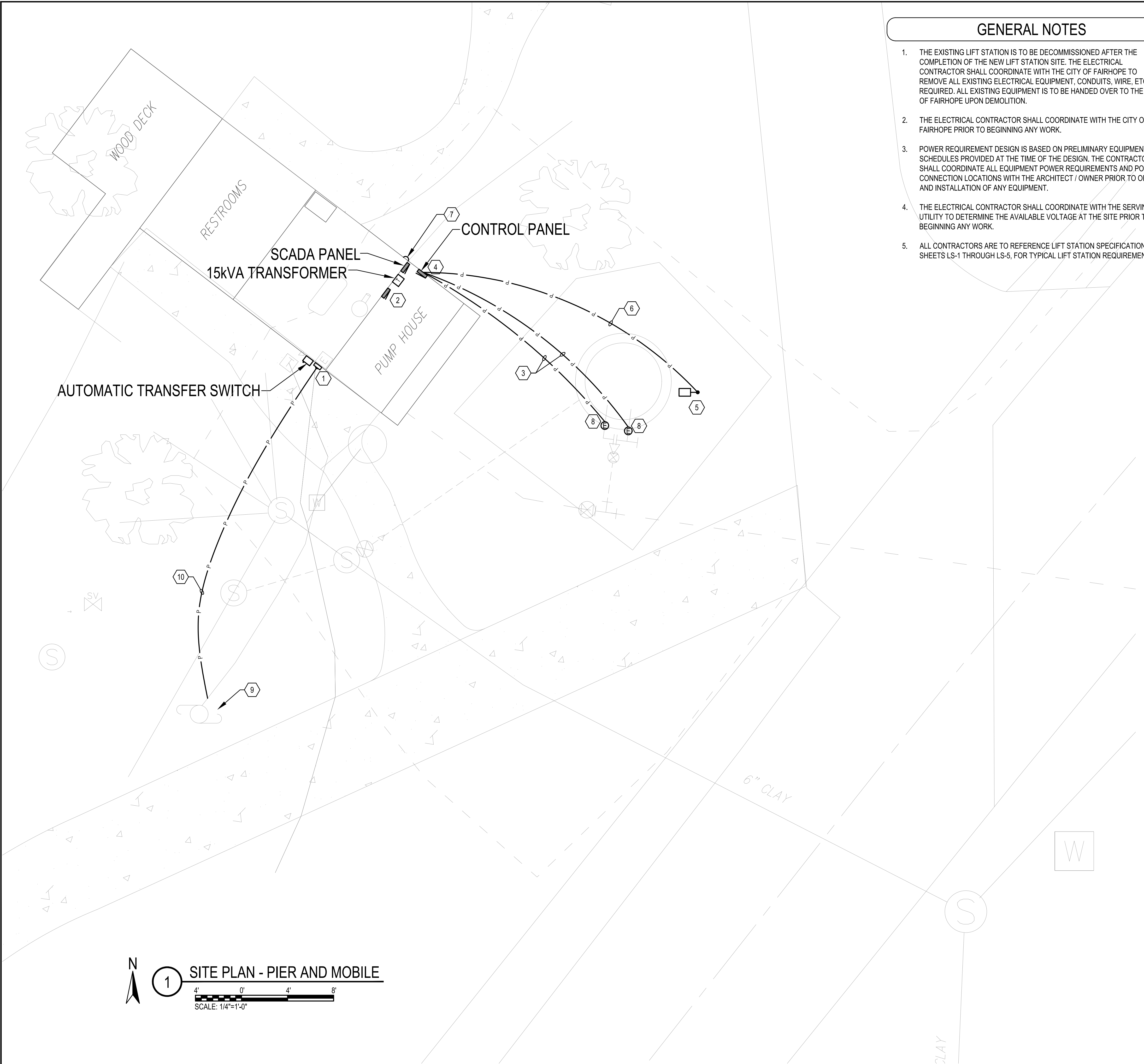
NUMBER	REVISION	REVISION DESCRIPTION
1		2022-06-22 REVISION 1

LIFT STATION REHABILITATION & REPLACEMENT PLANS
CITY OF FAIRHOPE ALABAMA

DESIGNED BY: BJD
DRAWN BY: BJD
CHECKED BY: AWM
DATE: 06-22-2022

SHEET TITLE:
SITE PLAN - SOUTH SECTION

SHEET:
7F



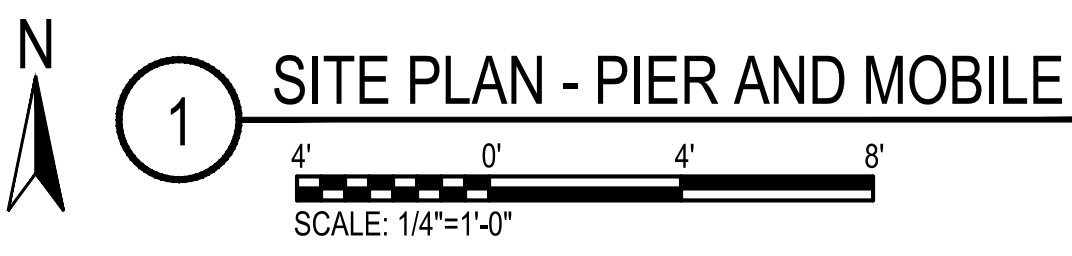
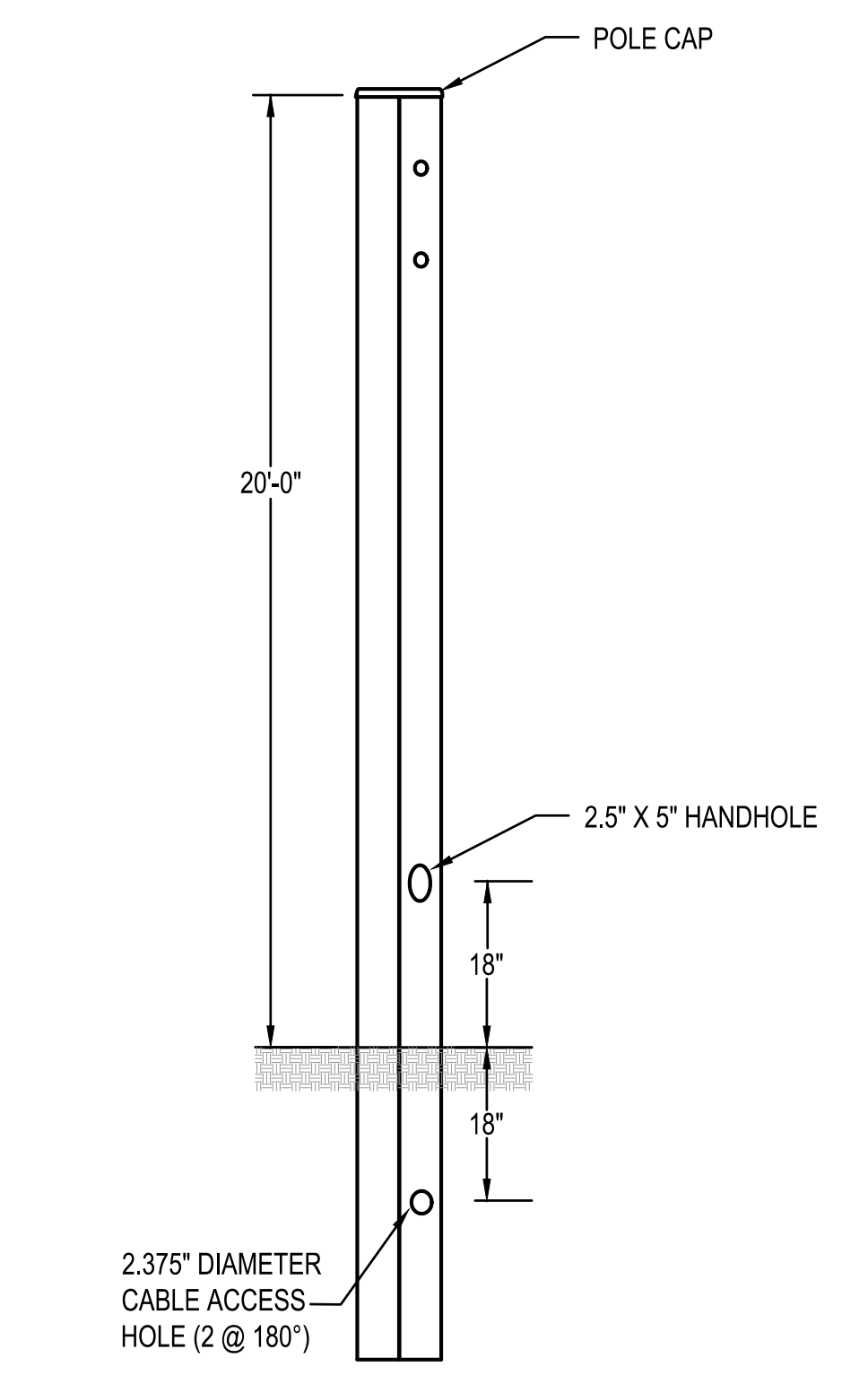
GENERAL NOTES

1. THE EXISTING LIFT STATION IS TO BE DECOMMISSIONED AFTER THE COMPLETION OF THE NEW LIFT STATION SITE. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE CITY OF FAIRHOPE TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, CONDUITS, WIRE, ETC. AS REQUIRED. ALL EXISTING EQUIPMENT IS TO BE HANDED OVER TO THE CITY OF FAIRHOPE UPON DEMOLITION.
2. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE CITY OF FAIRHOPE PRIOR TO BEGINNING ANY WORK.
3. POWER REQUIREMENT DESIGN IS BASED ON PRELIMINARY EQUIPMENT SCHEDULES PROVIDED AT THE TIME OF THE DESIGN. THE CONTRACTOR SHALL COORDINATE ALL EQUIPMENT POWER REQUIREMENTS AND POWER CONNECTION LOCATIONS WITH THE ARCHITECT / OWNER PRIOR TO ORDER AND INSTALLATION OF ANY EQUIPMENT.
4. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE SERVING UTILITY TO DETERMINE THE AVAILABLE VOLTAGE AT THE SITE PRIOR TO BEGINNING ANY WORK.
5. ALL CONTRACTORS ARE TO REFERENCE LIFT STATION SPECIFICATIONS, SHEETS LS-1 THROUGH LS-5, FOR TYPICAL LIFT STATION REQUIREMENTS.

SHEET NOTES

- 1 THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH FAIRHOPE UTILITIES TO REMOVE THE EXISTING METERING AND REPLACE NEW. PROVIDE AND INSTALL METERING IN ACCORDANCE WITH THE UTILITY SPECIFICATION.
- 2 APPROXIMATE LOCATION OF THE EXISTING 120/240V PANEL TO REMAIN. THE EXISTING FEEDERS AND CONDUIT ARE TO BE COMPLETELY REMOVED. THE PANEL WILL BE FED FROM A 2-POLE 60 AMP BREAKER PROVIDED AND INSTALLED IN THE NEW CONTROL PANEL.
- 3 PUMP AND CONTROLS WIRING AS SPECIFIED BY THE MANUFACTURER INSTALLED IN 2 - 2" CONDUITS FROM THE CONTROL PANEL TO THE WET WELL.
- 4 THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL SWEEP 90'S, AS REQUIRED. TO ROUTE THE CONDUIT UP THE EXTERIOR WALL AND LB INTO THE BUILDING THROUGH THE BLOCK WALL. THE CONDUIT SHALL TRANSITION FROM PVC BELOW GRADE TO RGS ABOVE GRADE. COORDINATE ROUTING WITH EXISTING CONDITIONS PRIOR TO ROUGH-IN.
- 5 THE ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL A 'ZB(HD)20-5' CMT MARATHON BRONZE SQUARE STEEL POLE FOR MOUNTING FIXTURE 20' A.F.G. INSTALL A LITHONIA DSXO LED P1 40K T5W 120 SPA PIRH DDBXD.
- 6 2#10,1#10G,1" PVC CONDUIT 24" BELOW FINISHED GRADE MINIMUM.
- 7 APPROXIMATE LOCATION OF THE EXISTING CONTROL PANEL ALARM LIGHT TO REMAIN. THE CONTRACTOR SHALL RECONNECT AS REQUIRED TO MAINTAIN A FULLY OPERATIONAL CIRCUIT.
- 8 COORDINATE FINAL ELECTRICAL CONNECTION TO PUMPS PRIOR TO ROUGH-IN.
- 9 APPROXIMATE LOCATION OF THE EXISTING POWER POLE TO REMAIN. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE SERVING UTILITY TO PROVIDE AND INSTALL A 480 VOLT 3-PHASE TRANSFORMER BANK ON THE EXISTING POLE.
- 10 4#500, 4" CONDUIT, 48" BELOW FINISHED GRADE MINIMUM. COORDINATE WITH EXISTING UNDERGROUND UTILITIES PRIOR TO ROUGH-IN.

△ 10 4#500, 4" CONDUIT, 48" BELOW FINISHED GRADE MINIMUM. COORDINATE WITH EXISTING UNDERGROUND UTILITIES PRIOR TO ROUGH-IN.



1 SITE PLAN - PIER AND MOBILE

NUMBER	REVISION	REVISION DESCRIPTION
1	△	2022-06-22 REVISION 1

LIFT STATION REHABILITATION & REPLACEMENT PLANS
CITY OF FAIRHOPE ALABAMA

DESIGNED BY:
BJD
DRAWN BY:
BJD
CHECKED BY:
AWM
DATE:
06-22-2022

SHEET TITLE:
SITE PLAN - PIER AND MOBILE

SHEET:
10C

REVISION DESCRIPTION	NUMBER	REVISION
2022-06-22 REVISION 1	1	Δ

LIFT STATION REHABILITATION & REPLACEMENT PLANS
CITY OF FAIRHOPE, ALABAMA

DESIGNED BY:
BJD
DRAWN BY:
BJD
CHECKED BY:
AWM
DATE:
06-22-2022

SHEET TITLE:
SITE PLAN - NORTH MOBILE

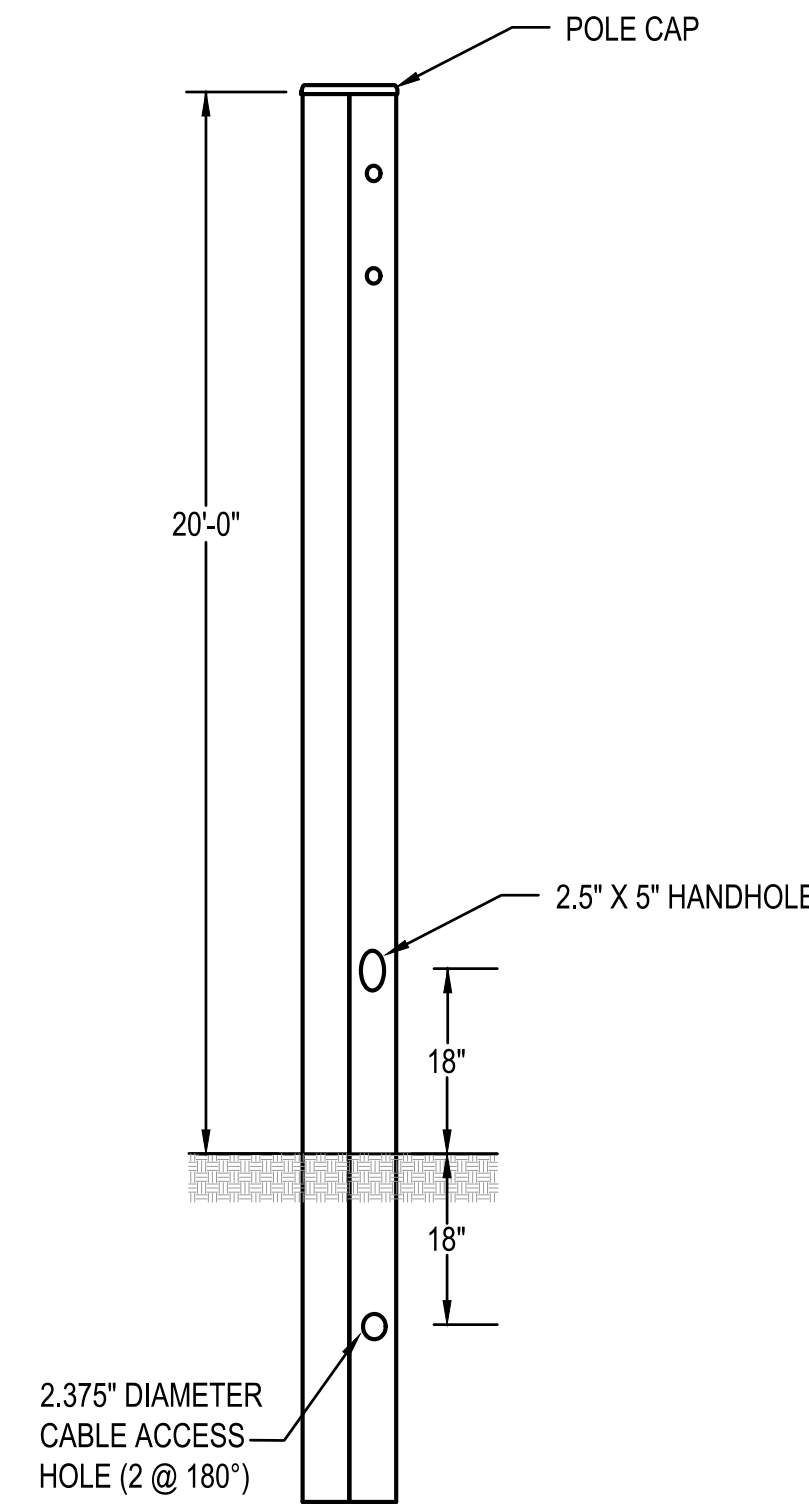
SHEET:
11B

GENERAL NOTES

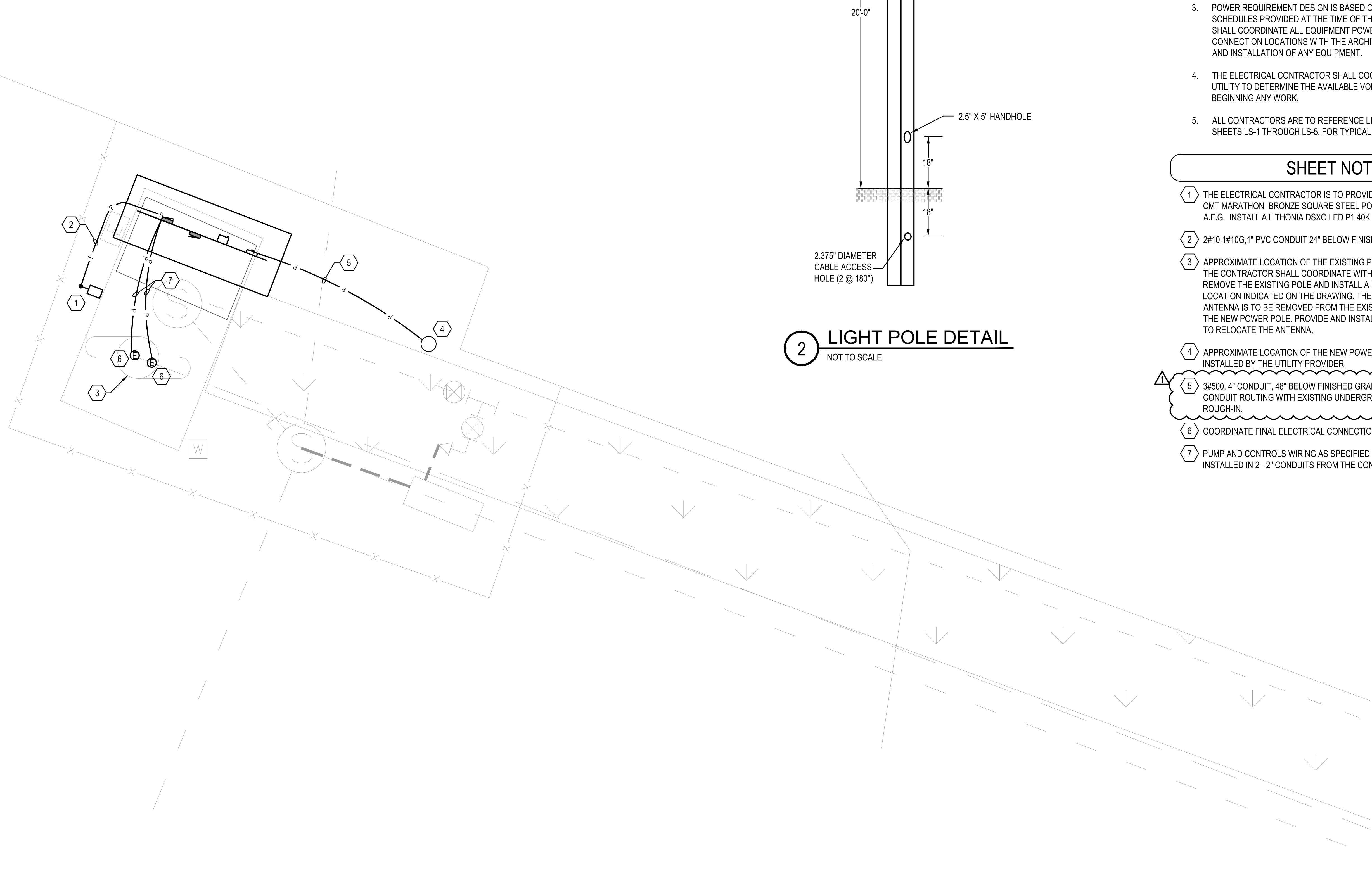
1. THE EXISTING LIFT STATION IS TO BE DECOMMISSIONED AFTER THE COMPLETION OF THE NEW LIFT STATION SITE. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE CITY OF FAIRHOPE TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, CONDUITS, WIRE, ETC. AS REQUIRED. ALL EXISTING EQUIPMENT IS TO BE HANDED OVER TO THE CITY OF FAIRHOPE UPON DEMOLITION.
2. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE CITY OF FAIRHOPE PRIOR TO BEGINNING ANY WORK.
3. POWER REQUIREMENT DESIGN IS BASED ON PRELIMINARY EQUIPMENT SCHEDULES PROVIDED AT THE TIME OF THE DESIGN. THE CONTRACTOR SHALL COORDINATE ALL EQUIPMENT POWER REQUIREMENTS AND POWER CONNECTION LOCATIONS WITH THE ARCHITECT / OWNER PRIOR TO ORDER AND INSTALLATION OF ANY EQUIPMENT.
4. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE SERVING UTILITY TO DETERMINE THE AVAILABLE VOLTAGE AT THE SITE PRIOR TO BEGINNING ANY WORK.
5. ALL CONTRACTORS ARE TO REFERENCE LIFT STATION SPECIFICATIONS, SHEETS LS-1 THROUGH LS-5, FOR TYPICAL LIFT STATION REQUIREMENTS.

SHEET NOTES

- 1 THE ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL A 'ZB(HD)20-5' CMT MARATHON BRONZE SQUARE STEEL POLE FOR MOUNTING FIXTURE 20' A.F.G. INSTALL A LITHONIA DSXO LED P1 40K T5W 120 SPA PIRH DDBXD.
- 2 2#10, 1#10G, 1" PVC CONDUIT 24" BELOW FINISHED GRADE MINIMUM.
- 3 APPROXIMATE LOCATION OF THE EXISTING POWER POLE TO BE REMOVED. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY PROVIDER TO REMOVE THE EXISTING POLE AND INSTALL A NEW POWER POLE AT THE LOCATION INDICATED ON THE DRAWING. THE EXISTING SCADA SYSTEM ANTENNA IS TO BE REMOVED FROM THE EXISTING POLE AND MOUNTED TO THE NEW POWER POLE. PROVIDE AND INSTALL ALL HARDWARE AS REQUIRED TO RELOCATE THE ANTENNA.
- 4 APPROXIMATE LOCATION OF THE NEW POWER POLE PROVIDED AND INSTALLED BY THE UTILITY PROVIDER.
- 5 3#500, 4" CONDUIT, 48" BELOW FINISHED GRADE MINIMUM. COORDINATE CONDUIT ROUTING WITH EXISTING UNDERGROUND UTILITIES PRIOR TO ROUGH-IN.
- 6 COORDINATE FINAL ELECTRICAL CONNECTION TO PUMPS PRIOR TO ROUGH-IN.
- 7 PUMP AND CONTROLS WIRING AS SPECIFIED BY THE MANUFACTURER INSTALLED IN 2 - 2" CONDUITS FROM THE CONTROL PANEL TO THE WET WELL.



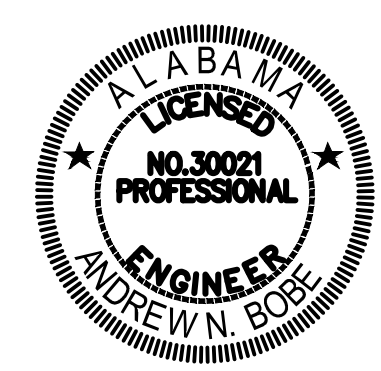
2 LIGHT POLE DETAIL
NOT TO SCALE



1 SITE PLAN - NORTH MOBILE
SCALE: 1/4"=1'-0"

IFB 06/27/22

SEAL



SCALE

N/A

NO.	DESCRIPTION	DATE
ADDENDUM 01		6/27/22

NO.	DESCRIPTION	DATE

REVISIONS

DRAWN BY	LRM
APPROVED BY	ANB
CHECKED BY	ANB
DATE	APRIL, 2022

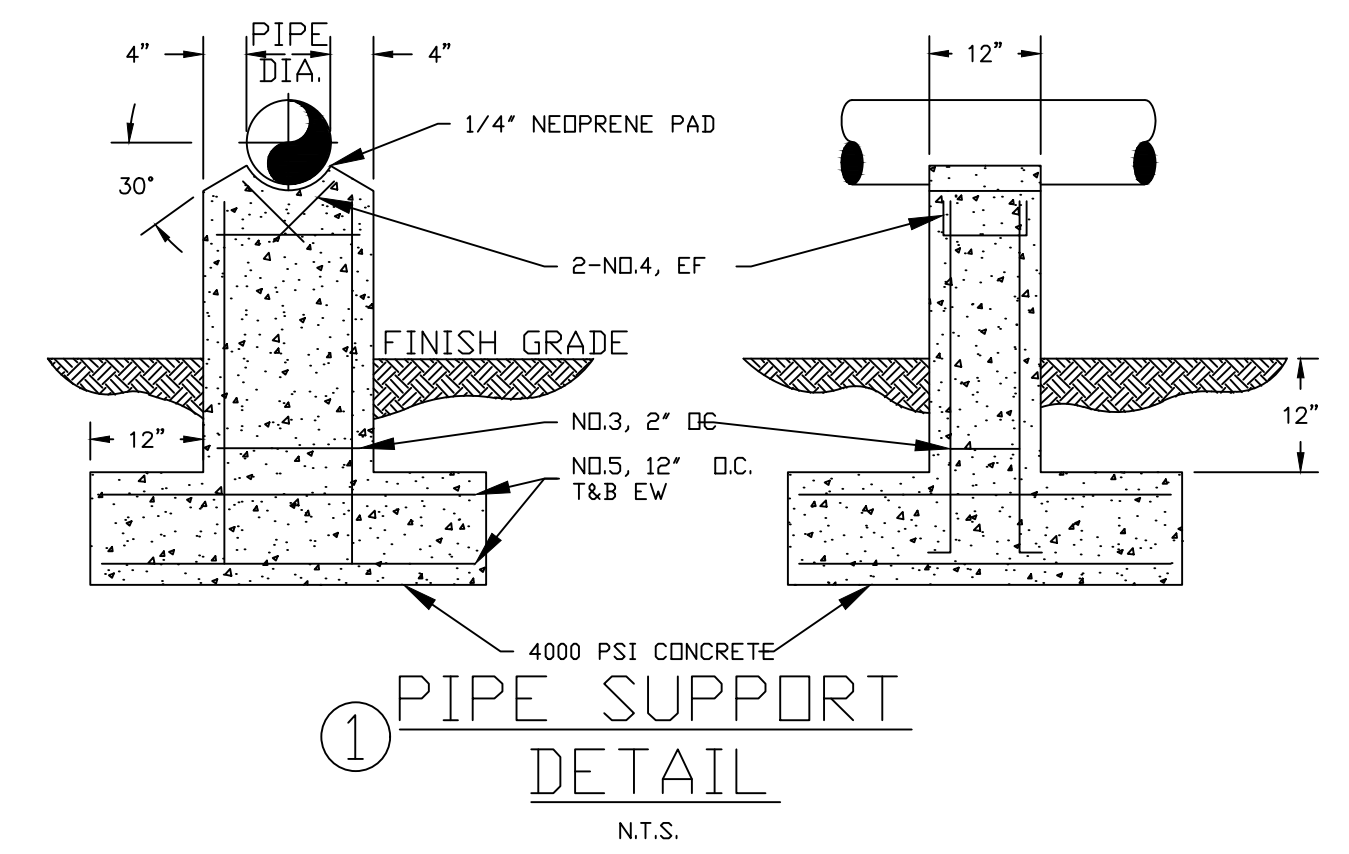
TITLE

LIFT STATION DETAILS

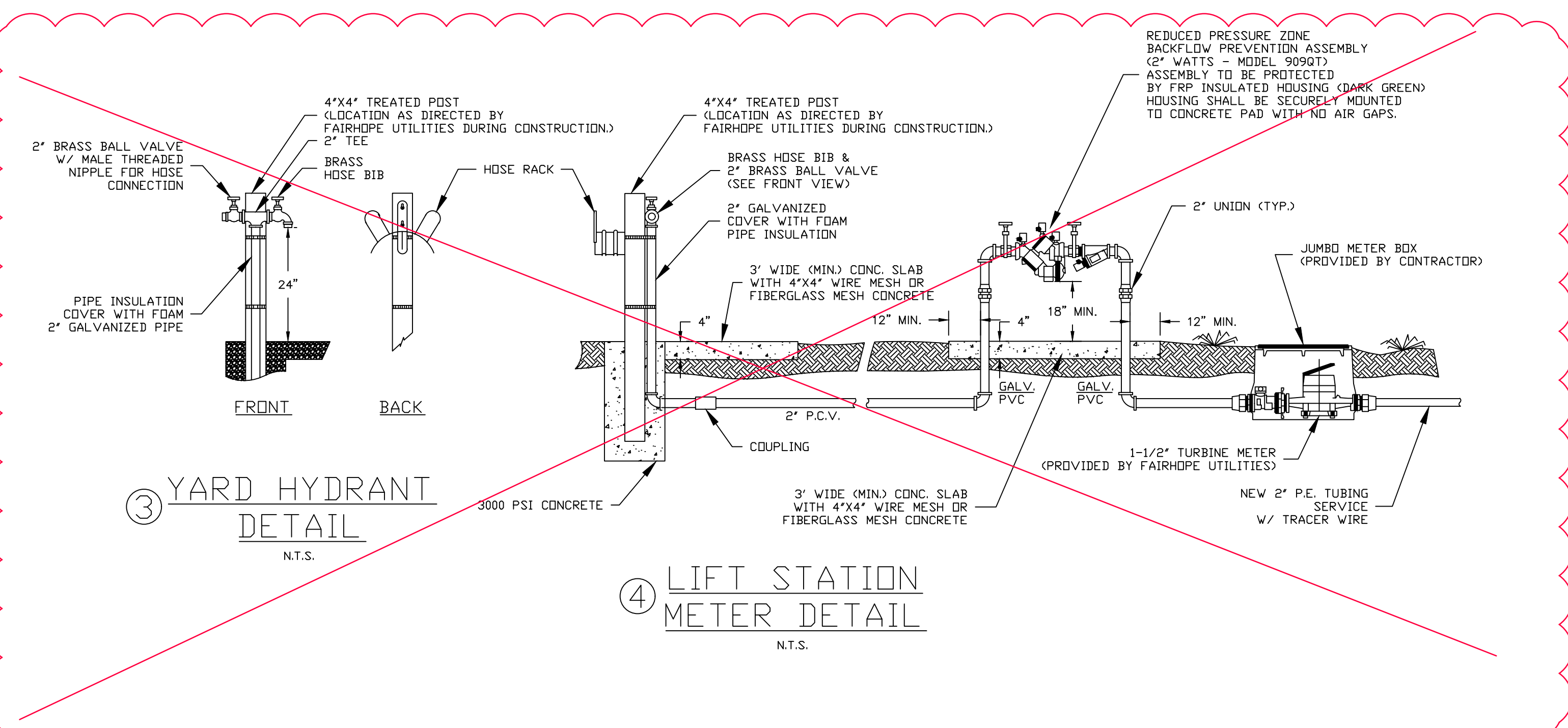
PROJECT NO. 50134463

GENERAL LIFT STATION NOTES:

1. THE LOCATION OF INFLUENT LINES, WATER SUPPLY, ETC. ARE DRAWN OUT OF ORIENTATION ON SECTIONAL VIEW. SEE PLAN VIEW FOR ORIENTATION.
2. ALL PENETRATIONS IN WET WELL WALL FOR PIPING, ELECTRICAL, ETC. SHALL BE SEALED & SLEEVED.
3. TO PROTECT STANDPIPE FROM SWAY BRACE, EITHER WRAP PIPE WITH RUBBER SHEETING OR INSERT ALL U-BOLTS THROUGH RUBBER HOSE.
4. PIPING WITHIN THE WET WELL WALL SHALL BE FLANGED SCHEDULE 10 316 STAINLESS STEEL. INTERMEDIATE JOINTS SHALL BE WELDED. FITTINGS WITHIN THE WET WELL SHALL BE FLANGED 316 STAINLESS STEEL. ALL NUTS, BOLTS & ACCESSORIES WITH THE WET WELL SHALL BE 316 STAINLESS STEEL.
5. PIPE AND FITTINGS OUTSIDE OF WET WELL AND ABOVE GROUND SHALL BE 316 STAINLESS STEEL (FLANGED, SCHEDULE 10). ALL WELD-ON FLANGES SHALL BE 125# RFD SOCKET-WELD FLANGE OR RF WELD NECK FLANGE (TYPE). ALL BOLTS, WASHERS AND NUTS SHALL BE 316 STAINLESS STEEL AND SHALL BE COATED WITH "NEVER SEIZE" TYPE COATING.
6. THE ANNULAR SPACE BETWEEN TOP SLAB AND FORCE MAIN PIPE SHALL BE SEALED VIA LINK SEAL.
7. PROVIDE 4" PVC (SCH. 80) THROUGH CONCRETE TOP WITH CAPPED TOP AND OPEN END BOTTOM. SEAL AROUND CONCRETE TOP WITH NON-SHRINK GROUT.
8. INTERIOR SURFACES OF FITTINGS INDICATED, INCLUDING THE FLANGE MATING SURFACES, AS WELL AS THE PUMP IMPELLER, VOLUTE, AND BACKPLATE SHALL BE COATED WITH BELZONA 1321 CERAMIC S-METAL. (UNLESS OTHERWISE SPECIFIED BY OWNER)
9. PLUG VALVES SHALL HAVE AN ALLOWABLE FLOW CAPACITY EQUAL TO 100% OF THE ADJACENT PIPE AND SHALL ALLOW "PIGGING".
10. THE INTERIOR OF ALL VALVES SHALL BE COATED.
11. CONTRACTOR SHALL PROVIDE 2-3/4" CONDUITS (ONE FOR POWER AND ONE FOR SIGNAL) FOR FLOW METER (IF REQUIRED). CONTRACTOR SHALL TERMINATE WIRES IN OWNER PROVIDED ELECTRICAL CONTROL CABINET.
12. EXHAUST OF ARV'S TO BE FIELD LOCATED, PROVIDE FITTINGS AS NECESSARY, AND PIPED TO WET WELL USING 2" 316 S.S. PIPE.
13. LOW LEVEL ALARM ELEV. TO BE SET IN COORDINATION WITH FAIRHOPE UTILITIES AND PUMP MANUFACTURER.
14. CONNECTION OF SWAY BRACE MOUNTING PLATE SHALL BE COORDINATED WITH PUMP MANUFACTURER.
15. A SECOND BRACE IS TO BE INSTALLED WHEN THE DEPTH OF WET WELL IS GREATER THAN 10' DEEP OR WHEN THE PUMPS ARE GREATER THAN 10HP.



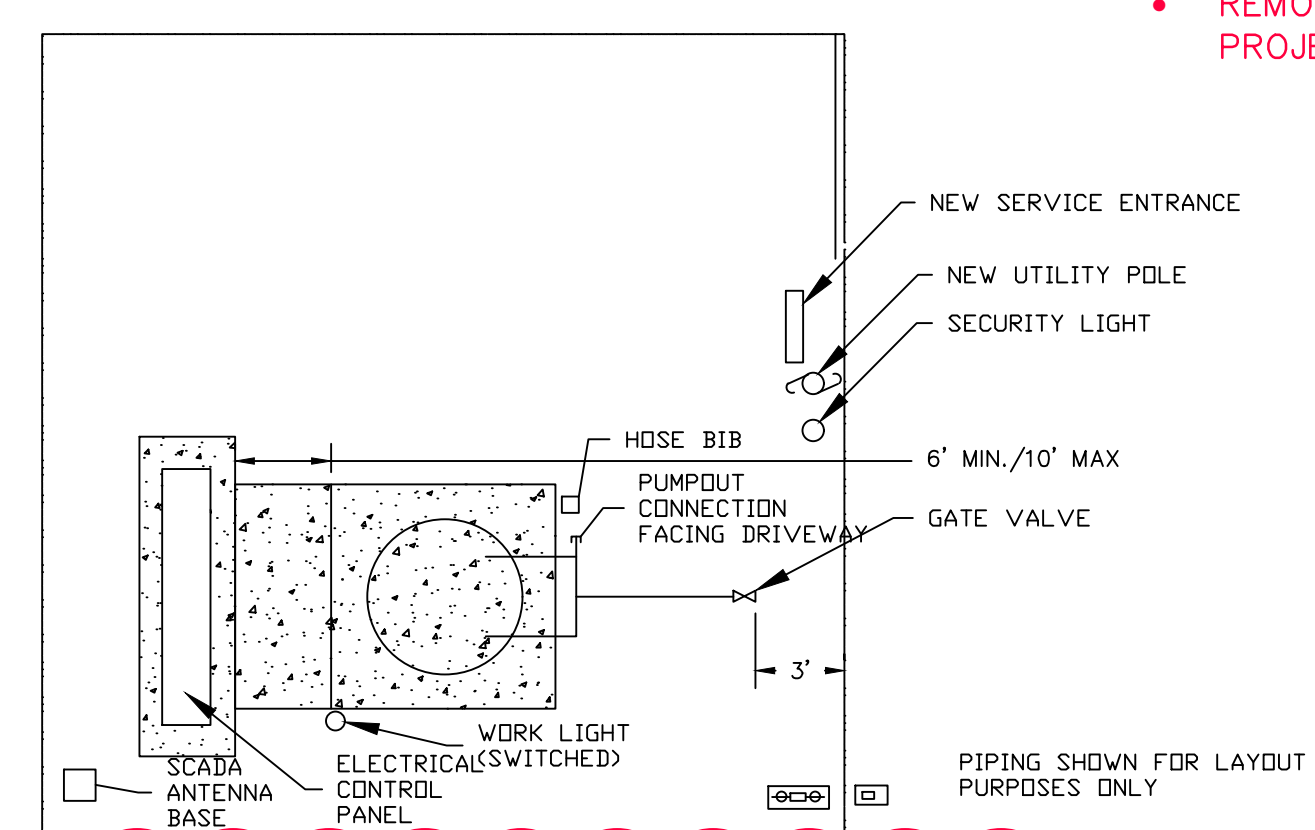
① PIPE SUPPORT DETAIL
N.T.S.



③ YARD HYDRANT DETAIL
N.T.S.

④ LIFT STATION METER DETAIL
N.T.S.

ADDENDUM #01
REMOVED DETAILS 3 AND 4 FROM LIFT STATION DETAILS (DO NOT APPLY TO PROJECT)



NOTE:
-6" HIGH FENCE (TO CONFORM WITH SURROUNDINGS) DIMENSIONS, CONFIGURATION & GATE, MAY VARY WITH EACH LOCATION. FAIRHOPE UTILITIES L/S PERSONNEL TO VERIFY LOCATION OF GATE PRIOR TO INSTALLATION.
-STORMWATER FLOW SHALL BE DIRECTED AWAY FROM LIFT STATION SITE.
-ALL INFLUENT LINES TO LIFT STATION MUST BE ROUTED TO THE INFLUENT MANHOLE TO THE WET WELL. A SINGLE GRAVITY LINE SHALL CONNECT THE INFLUENT MANHOLE TO THE WET WELL, AT A DISTANCE OF NO GREATER THAN 30 FEET.
-IN-GRADE PULL BOXES SHALL BE LOCATED 10'-0" FROM WET WELL.
-PUMP OUT CONNECTION SHALL BE ORIENTED TO FACE DRIVEWAY.
-PROVIDE COMPACTED LIMEROCK BASE WITHIN PERIMETER FENCE PER DETAIL 7, SHEET 7.

ADDENDUM #01
REVISED NOTES IN LIFT STATION DETAIL (FENCE AND LIMEROCK BASE NOT REQUIRED)

LIFT STATION SITE PLAN

JULY 2022
FAIRHOPE SEWER UPGRADE PHASE 1, LIFT STATION REHABILITATION ADCNR GRANT # SIP25-FSU1
CITY OF FAIRHOPE
50134463

Bid Date

Project Name

Owner

Project No.

BID SUBMISSION CHECK LIST, Bid No 005-22

ITEM NO	No. COPIES	DOCUMENT REQUIRED IN BID SUBMISSION	INCLUDED (YES/NO)	INITIALS	COMMENT
1	1	E-VERIFY MOU DOUCMENT			
2	1	RESUME OF SIMILAR WORK WITH CONTACTS			
3	1	SALES TAX EXEMPTION FORM INCLUDING BREAKDOWN OF LABOR & MATERIALS			
4A		AKNOWLEDGEMENT THAT DAVIS- BACON (REVALING WAGE) & COPELAND ANTI- KICK BACK ACT APPLY TO PRIME AND ALL SUBS			
4B		PRIME HAS INFORMED THEMSEVLES ALL SUBS OF REQUIRED LABOR STANDARD			
4C		WAGE DETERMINATION CURRENT TO WITHIN 10 DAYS OF BID DATE HAS BEEN SHARED WITH ALL SUBS.			
5A		PRIME HAS INFORMED THEMSELVES AND ALL SUBS OF EQUAL OPPORTUNITY CLAUSE			
5B		PRIME HAS INFORMED THEMSELVES AND ALL SUBS OF AFFIMATIVE ACTION GOALS FOR FEMALE AND MINORITY PARTICIPATION			
5C		PRIME HAS INFORMED THEMSELVES AND ALL SUBS OF STANDARD FEDERAL EQUAL OPPORTUNITY CONSTRUCTION CONTRACT SPECIFICATIONS.			
5D & E	1	CERTIFICATION OF COMPLIANCE WITH MBE / WBE PRIME (SELF CERTIFICATION) (NO SUBCONTRACTS)			
5Fi	1	COMPLETED SUBCONTRACTOR LISTING FORM (ONLY IF SUBCONTRACTORS WORKING ON PROJECT)			
5Fii	1 EACH	WBE / MBE CERTIFICATION FROM EACH SUB CONTRACTOR			
5Fiii	1 EACH	SOLICITATION LETTERS TO CERTIFIED MBE / WBE FIRM			
5Fiv	1 EACH	LIST OF CERTIFIED MBE / WBE FIRMS SUBMITTING QUOTES AND NOT AWARDED SUBCONTRACTS.			
5Fv	1 EACH	DOCUMENTATION SUPPORTING SELECTION OF NON-MBE OVER MBE / WBE FIRM(S) SUBMITTING QUOTES			
5G		POSITIVE EFFORT MADE TO TO USE SBE , MBE, OR WBE			
6		PRIME HAS INFORMED THEMSELVES AND ALL SUBS OF THE PROCUREMENT OF RECOVERED MATERIALS REQUIREMENT.			
7		PRIME HAS INFORMED THEMSELVES AND ALL SUBS OF THE PROHIBITED TELECOM AND VIDEO EQUIPMENT			
8		PRIME HAS INFORMED THEMSELVES AND ALL SUBS OF THE DOMESTIC PROCUREMENT PREFERENCES.			
9	1	PROOF OF ACTIVE UEI (FROMERLY DUNS) AND STATEMENT OF STATUS OF LIENS TO THE UNITED STATES BID BOND INCLUDING POWER OF ATTORNEY			
10	1 EACH	SIGNED COPY OF ALL ADDENDUMS ISSUED.			
11	1	ACKNOLOGEMENT THAT BID SUBMITTED WILL BE VALID FOR A PERIOD OF 90 DAYS AFTER BID DATE.			
12	1	COPY OF PRIME CONTRACTOR LICENSE WITH PROOF OF CONTRACTORS BOND RATING, AND CLASSIFICATIONS			
13		AKNOWLEDGEMENT THAT QUALIFICATIONS AND DETERMINATION OF MOST ADVANTAGEOUS BIDDER WILL BE BASE ON FULL SUBMITTAL REVIEW. THE CITY OF FAIRHOPE HAS THE RIGHT TO WAIVE IRREGULARITIES AND INFORMALITIES OR REJECT ALL BIDS.			
14		PRIME HAS INFORMED THEMSELVES AND ALL SUBS OF ALL INSUREANCE REQUIREMENTS.			
15		PRIME HAS INFORMED THEMSELVES AND ALL SUBS THAT ALL CONTENGENCIES MATERIALS MUST BE PURCHASED AND WILL BECOME PROPERTY OF THE CITY OF FAIRHOPE IF NOT USED.			
16		PRIME HAS INFORMED THEMSELVES AND ALL SUBS THERE WILL BE A PROCUREMENT PERIOD PRIOR TO NOTICE TO PROCEED.			
17		PRIME HAS INFORMED THEMSELVES AND ALL SUBS THAT PROJECT TIME WILL BE 365 DAYS. NOT INLCUDING PROCUREMENT PERIOD.			
18		PRIME HAS INFORMED THEMSELVES AND ALL SUBS THAT PROJECT LIQUIDATED DAMAGES WILL BE \$2050 PER CALENDAR DAY.			
19		PRIME HAS INFORMED THEMSELVES AND ALL SUBS THAT THE ENGINEERS ESTIMATE WILL BE PROVIDED AT THE DESCRESION OF THE CITY OF FAIRHOPE.			
20	1	FULL CONTRACT BOOKLET, UNIT PRICE BID SCHEDULE IS COMPLETED AND TABULATED.			

"General Decision Number: AL20220110 02/25/2022

Superseded General Decision Number: AL20210110

State: Alabama

Construction Type: Heavy

County: Mobile County in Alabama.

HEAVY CONSTRUCTION PROJECTS

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

<p>If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:</p>	<ul style="list-style-type: none"> . Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$15.00 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2022.
<p>If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:</p>	<ul style="list-style-type: none"> . Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$11.25 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2022.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Modification Number	Publication Date
0	01/07/2022
1	02/25/2022

ENGI0653-013 06/01/2017

	Rates	Fringes
POWER EQUIPMENT OPERATOR (PIPELINE)		
Backhoe, Excavator, Trackhoe.....	\$ 40.69	15.20
Bulldozer.....	\$ 40.69	15.20

* SUAL2015-038 08/02/2017

	Rates	Fringes
CARPENTER, Includes Form Work....	\$ 19.05	7.86
CEMENT MASON/CONCRETE FINISHER, Includes Water Sewer Lines.....		
	\$ 13.78 **	0.00
ELECTRICIAN.....	\$ 19.56	0.00
LABORER: Common or General, Includes Water Sewer Lines.....	\$ 15.21	6.16
LABORER: Pipelayer, Includes Water Sewer Lines.....	\$ 11.95 **	0.00
OPERATOR: Backhoe/Excavator/Trackhoe, Includes Water Sewer Lines (Excludes, PIPELINE).....	\$ 13.56 **	0.00
OPERATOR: Loader, Includes Water Sewer Lines.....	\$ 17.64	2.14
TRUCK DRIVER: Dump Truck, Includes Water Sewer Lines.....	\$ 12.56 **	2.12

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

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** Workers in this classification may be entitled to a higher
minimum wage under Executive Order 14026 (\$15.00) or 13658
(\$11.25). Please see the Note at the top of the wage
determination for more information.

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

on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

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

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

Union Rate Identifiers

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

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

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

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

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate

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

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

WAGE DETERMINATION APPEALS PROCESS

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

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

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

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

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

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

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

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

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

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

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

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END OF GENERAL DECISIO"