

Addendum No. 1

For
CITY OF ALGOOD
in
PUTNAM COUNTY, TENNESSEE

CONTRACT 124 – BUCK MOUNTAIN BOOSTER STATION AND WATER STORAGE TANK (GROUND LEVEL)

DATE: November 19, 2024
BID DATE: November 21, 2024
BID TIME: 2:00 PM CDST

THIS ADDENDUM IS ISSUED TO CLARIFY QUESTIONS RAISED BY BIDDERS AND TO MAKE MODIFICATIONS TO THE SPECIFICATIONS, PLANS, AND BID DOCUMENTS FOR THIS PROJECT. THE FOLLOWING CHANGES WILL BECOME A PART OF THE CONTRACT DOCUMENTS FOR THIS PROJECT. ACKNOWLEDGE RECEIPT OF THIS ADDENDUM ON THE BID FORM.

PLANS: Attached find revised sheets 1, 2, 4, 5 and 6 for the referenced project.

CLARIFICATIONS: GeoTech – The geotechnical report for the proposed tank site is available at www.jchengr.com. Once the old tank has been demolished and excavation begun, the geotechnical engineer will make a site visit to make recommendations on site conditions. For estimation purposes, CONTRACTORS should plan for 3' of undercut and graded shot rock fill in their bid proposals. Adjustments will be made based on the geotechnical recommendations.

The SCADA building shall have a shingle roof to match the proposed pump station.

No THM removal system is required.

No stand alone mixer is required for this project. The piping system within the tank may be furnished as individual components by the tank company or as a system from Tideflex or other approved manufacturer.

The existing SCADA units are HighTide as provided by WASCON. The existing units shall be removed during construction, stored and then re-installed once the tank and pump station are complete. CONTRACTOR shall coordinate with WASCON for installations. This work shall be included within the scope of the project. No additional compensation shall be made for this work.

This project does not have any buy American, American Iron & Steel or BABA requirements. If a domestic equivalent is available at a comparable price, the OWNER has expressed preference for Domestic products.

No new fencing is required at either site.

Pump Station discharge piping shall be rated for 350 psi working pressure. CONTRACTOR is responsible for coordination between component manufacturers and piping manufacturers to ensure flanges and gaskets are properly rated.

The pump skid shall be adjusted to match the proposed piping. If the skid is located more than 2" AFF, a housekeeping pad shall be poured under the skid.

Magnetic Flow meter inside the pump station shall be Rosemount 8705 or approved equal.

The OWNER and Electric Cooperative have already coordinated the new pole.

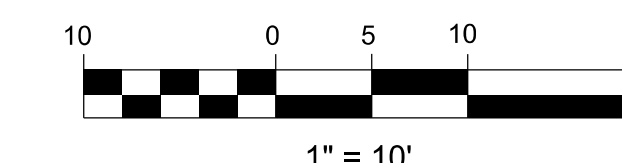
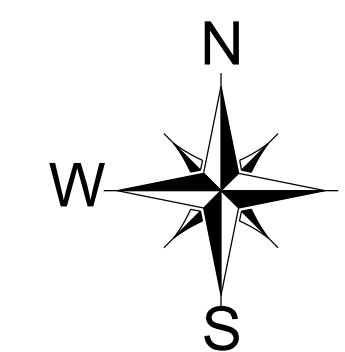
TigerFlow is a named alternative for the pump skid system.

The pipe supports shown within the tank should be coordinated with the tank constructor.

Brick Allowance for the buildings shall be \$500 per thousand.

**THIS ADDENDUM CONSISTS OF TWO (2) PAGES AND
FIVE (5) PLAN SHEETS**

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LEGEND

- WATER METER
- BOLLARD
- CLEANOUT
- GATE POST
- ANCHOR
- WATER VALVE
- OVERFLOW 8"
- FIRE HYDRANT
- POWER POLE
- MANHOLE
- BENCHMARK
- LIGHT POLE
- PROPERTY BOUNDARY
- OVERHEAD ELECTRIC
- FENCE LINE
- CONCRETE
- 970 --- EXISTING CONTOURS
- 970 PROPOSED CONTOURS

- INSTALL (ALL RATED FOR 350 PSI WORKING)
 - 1- 8" CUT-IN TEE
 - 1- 8" x 6" REDUCER
 - 1- 6" G. VALVE & BOX
 - 1- 8" TEE
 - 1- 8" G. VALVE & BOX
 - 1- 8" CAP
 - 2- CONC. BRACES
 - 1- REVERSE KICKER
- INSTALL
 - 1- 6" TAPPING SLEEVE AND VALVE w/ BOX
 - 1- 8" x 6" REDUCER
 - 1- 8" 90° BEND
 - 1- 6" CAP (AFTER NEW LINE PLACED IN SERVICE)
 - 3- CONC. BRACES
- INSTALL
 - 1- 8" 90° BEND
 - 1- CONC. BRACE

NOTE 1
 EXISTING STATION TO BE DEMOLISHED ONCE NEW STATION IS OPERATIONAL. REMOVE PUMPS, VALVES, ETC. AND DELIVER TO CITY OF ALGOOD PUBLIC WORKS SHOP. REMOVE HATCH AND DEMO STATION TO AN ELEVATION 12" BELOW GRADE. FILL WITH STONE AND PLACE 12" GRADED TOP SOIL. SEE AND STRAW.

Symbol	Size	Material	Description
①	8"	CLASS 350 DUCTILE IRON	PROPOSED DISCHARGE
②	8"	CLASS 350 DUCTILE IRON	PROPOSED SUCTION
③	6"	CLASS 350 DUCTILE IRON	EXISTING MAIN
④	6"	SDR 17 PVC	PROPOSED DRAIN
⑤	12"	CLASS 350 DUCTILE IRON	EXISTING MAIN
⑥	6"	CLASS 350 DUCTILE IRON	EXISTING MAIN

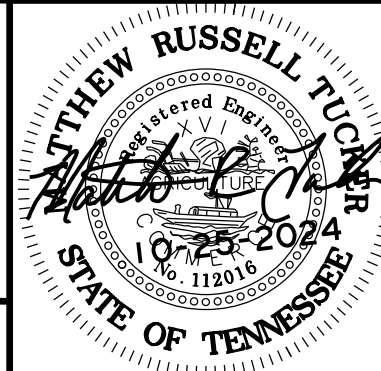
EXISTING PIPING IS ESTIMATED TO HAVE 36± COVER
 PROPOSED PIPING TO HAVE 36" MIN. COVER
 PROPOSED DRIVE TO BE 8" MIN. CRUSHED STONE

ADDENDUM NO. 1

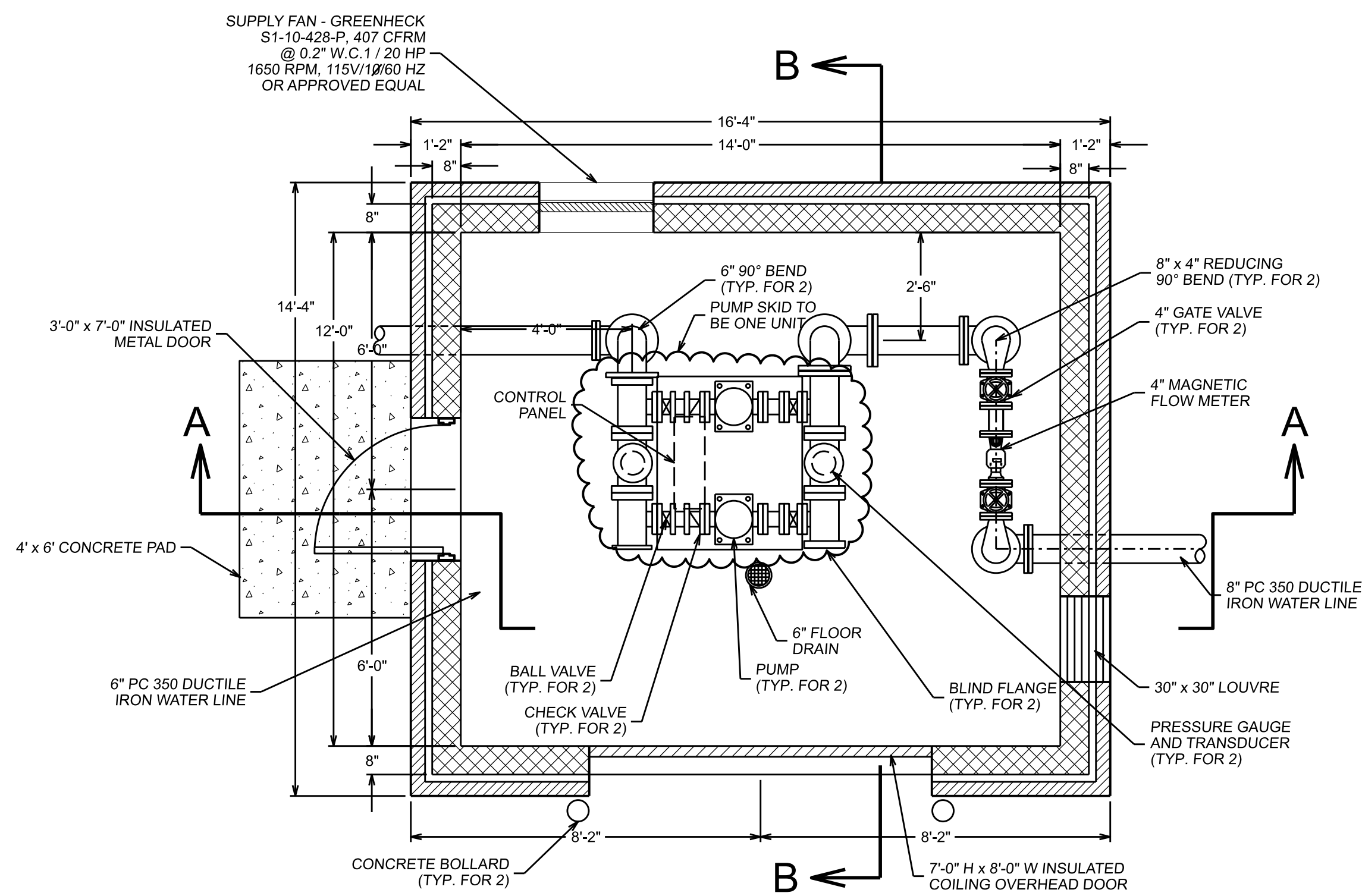


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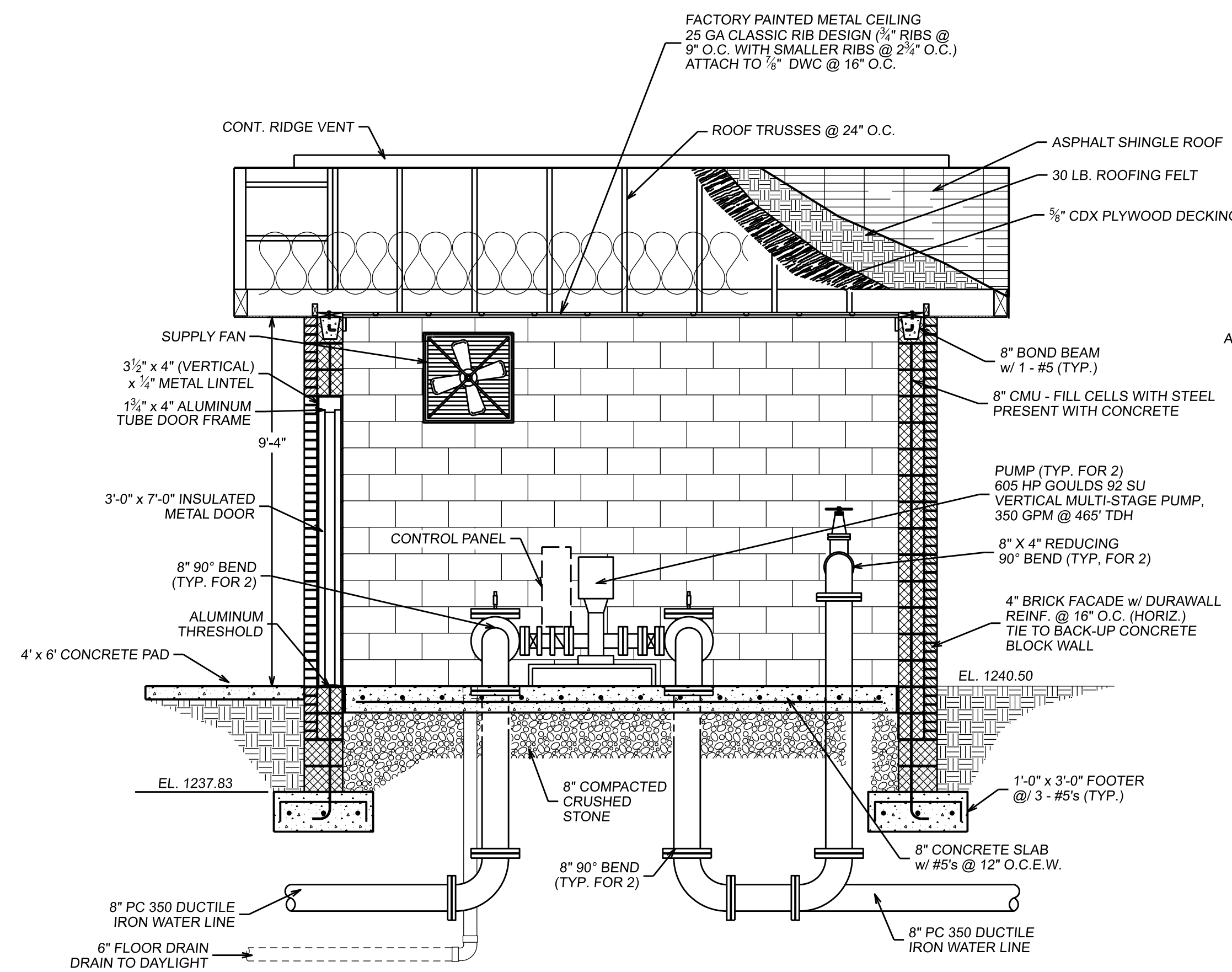
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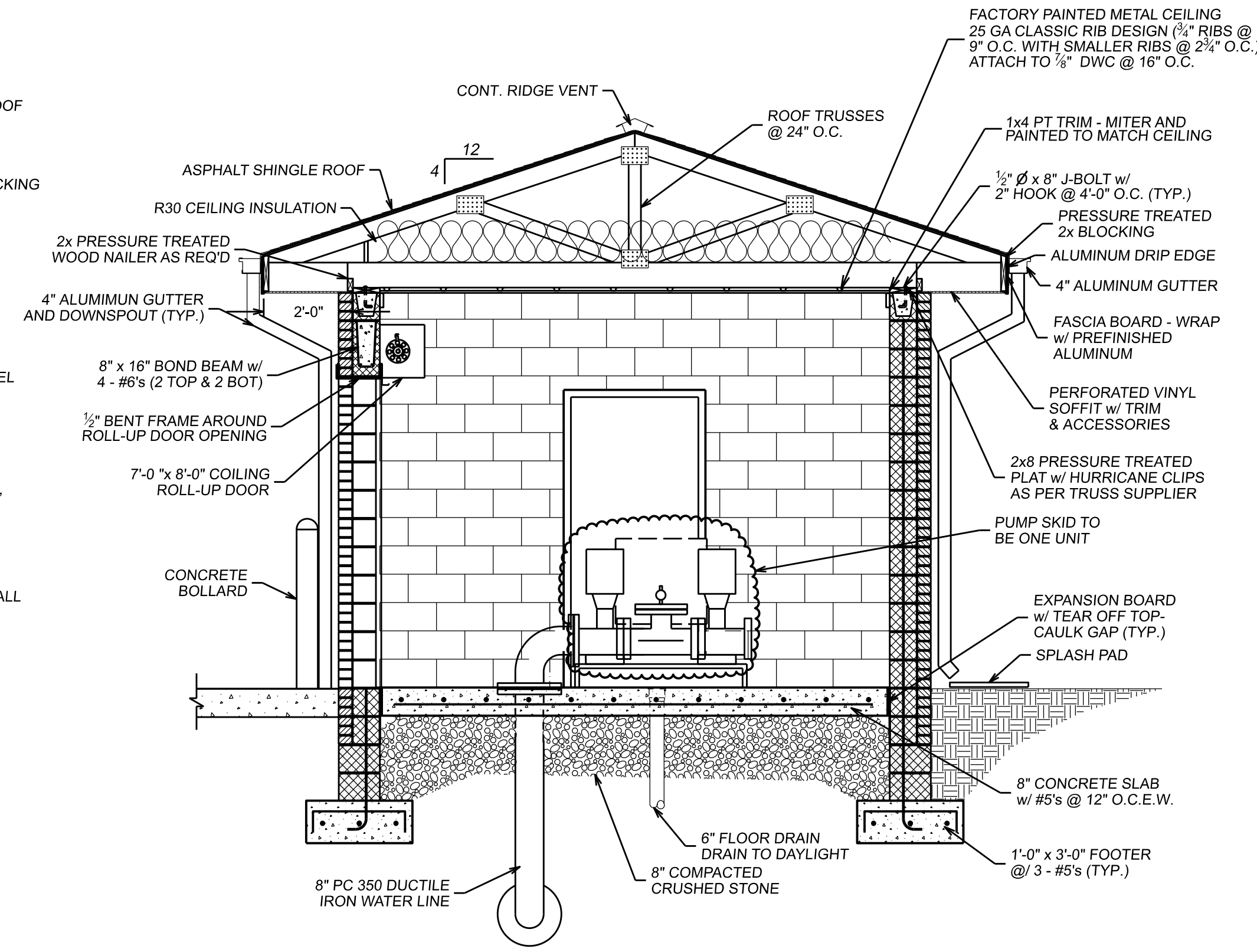
DESIGN		DRAWN		CHECKED		DATE		SCALE		PROJECT NO.	
JCH		LLB		JCH		JULY 2022		AS NOTED		20172	



PLAN
SCALE: 3/8" = 1'-0"

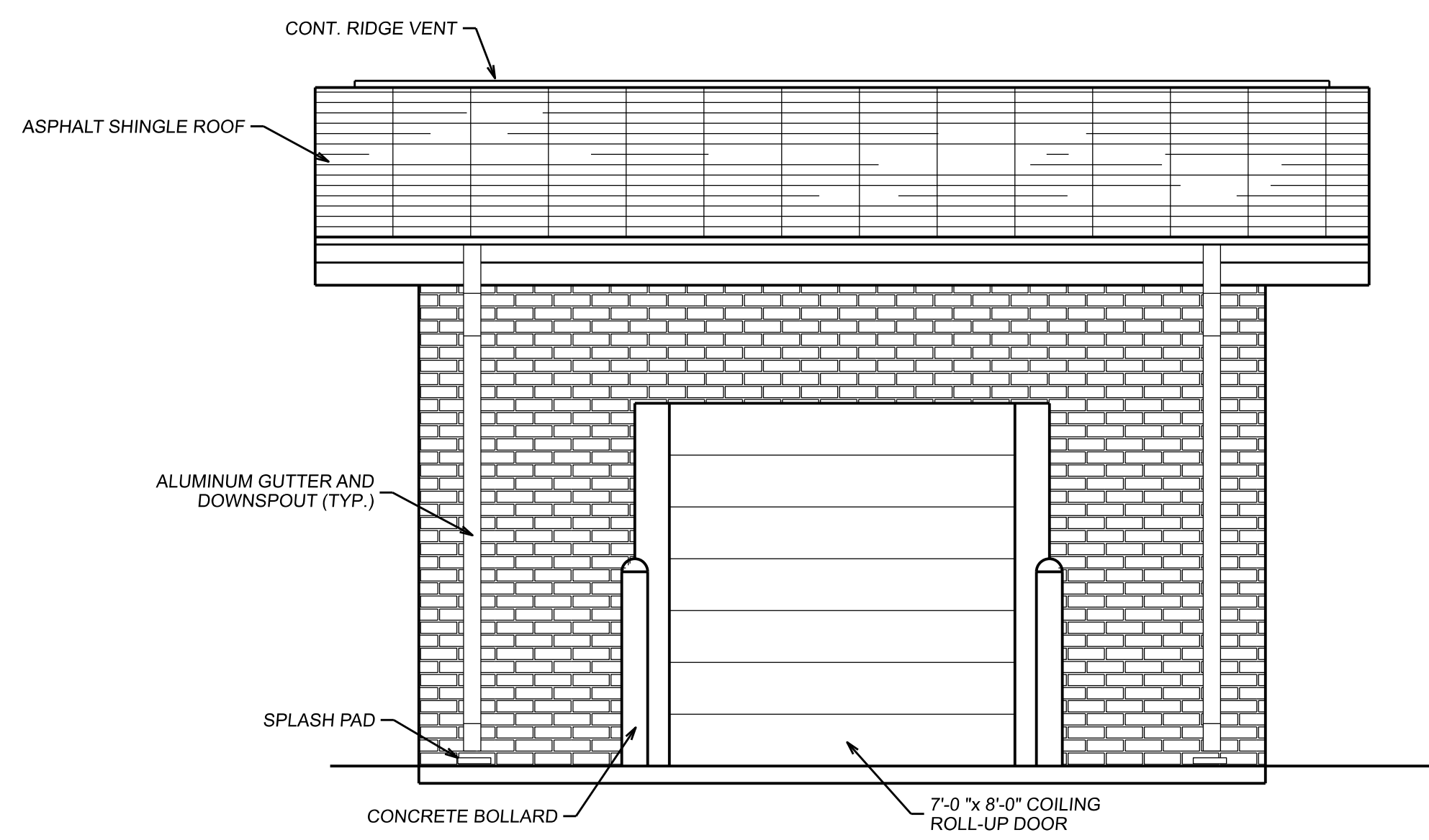


SECTION A-A
SCALE: 3/8" = 1'-0"

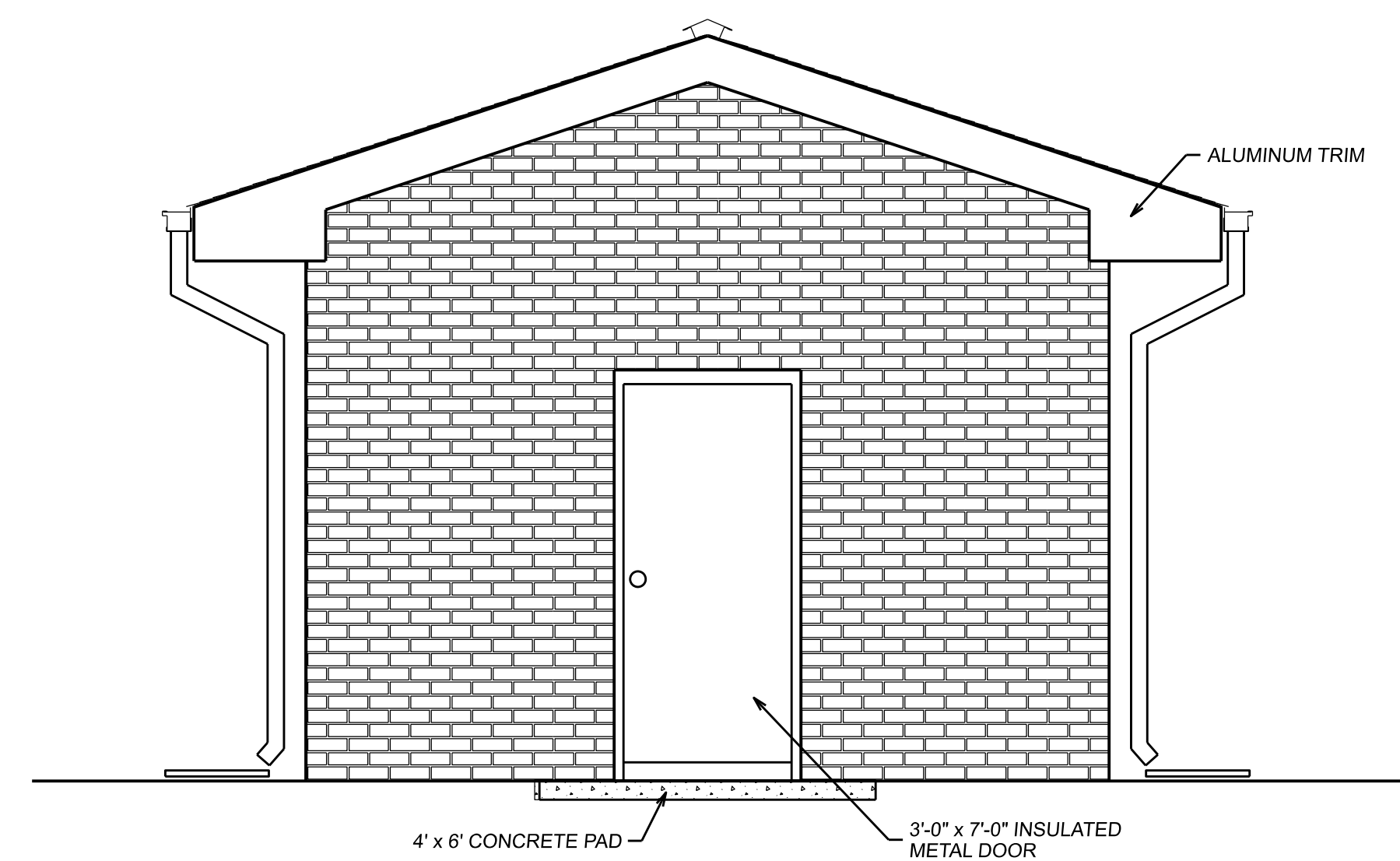


SECTION B-B
SCALE: 3/8" = 1'-0"

ALL DISCHARGE PIPING AND ACCESSORIES SHALL BE RATED FOR 350 PSI WORKING PRESSURE



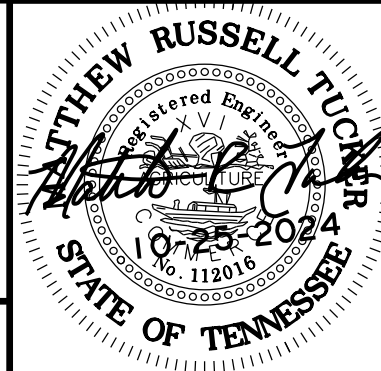
ELEVATION
SCALE: 3/8" = 1'-0"



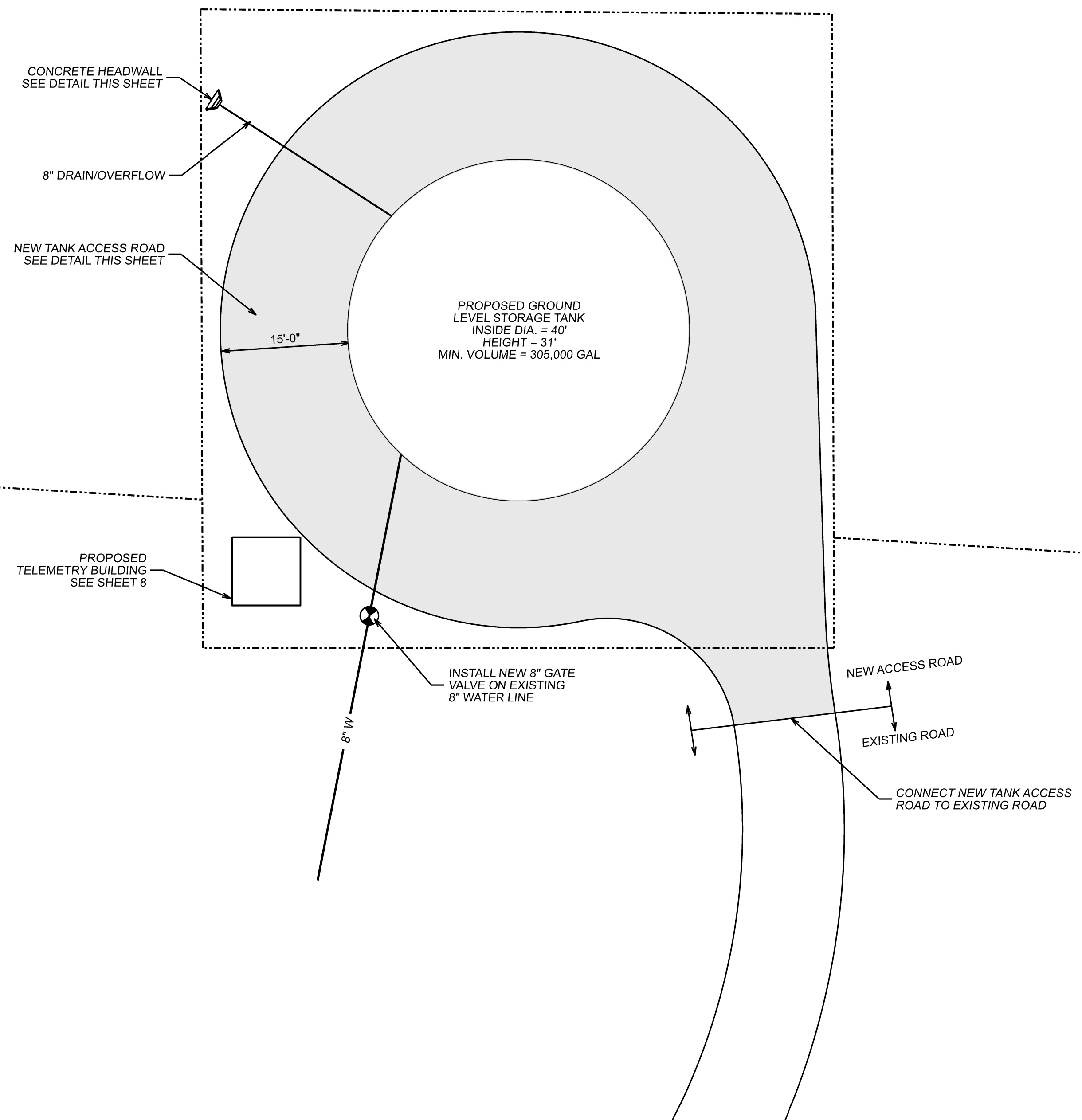
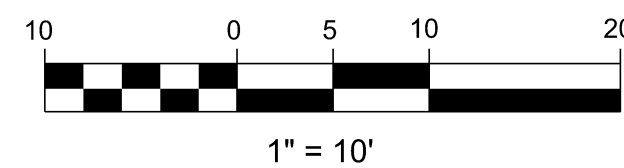
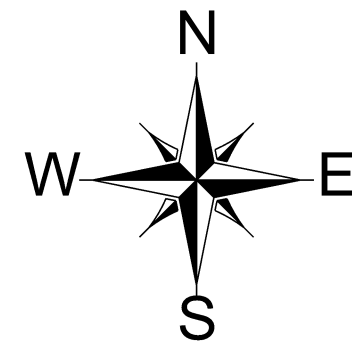
ELEVATION
SCALE: 3/8" = 1'-0"

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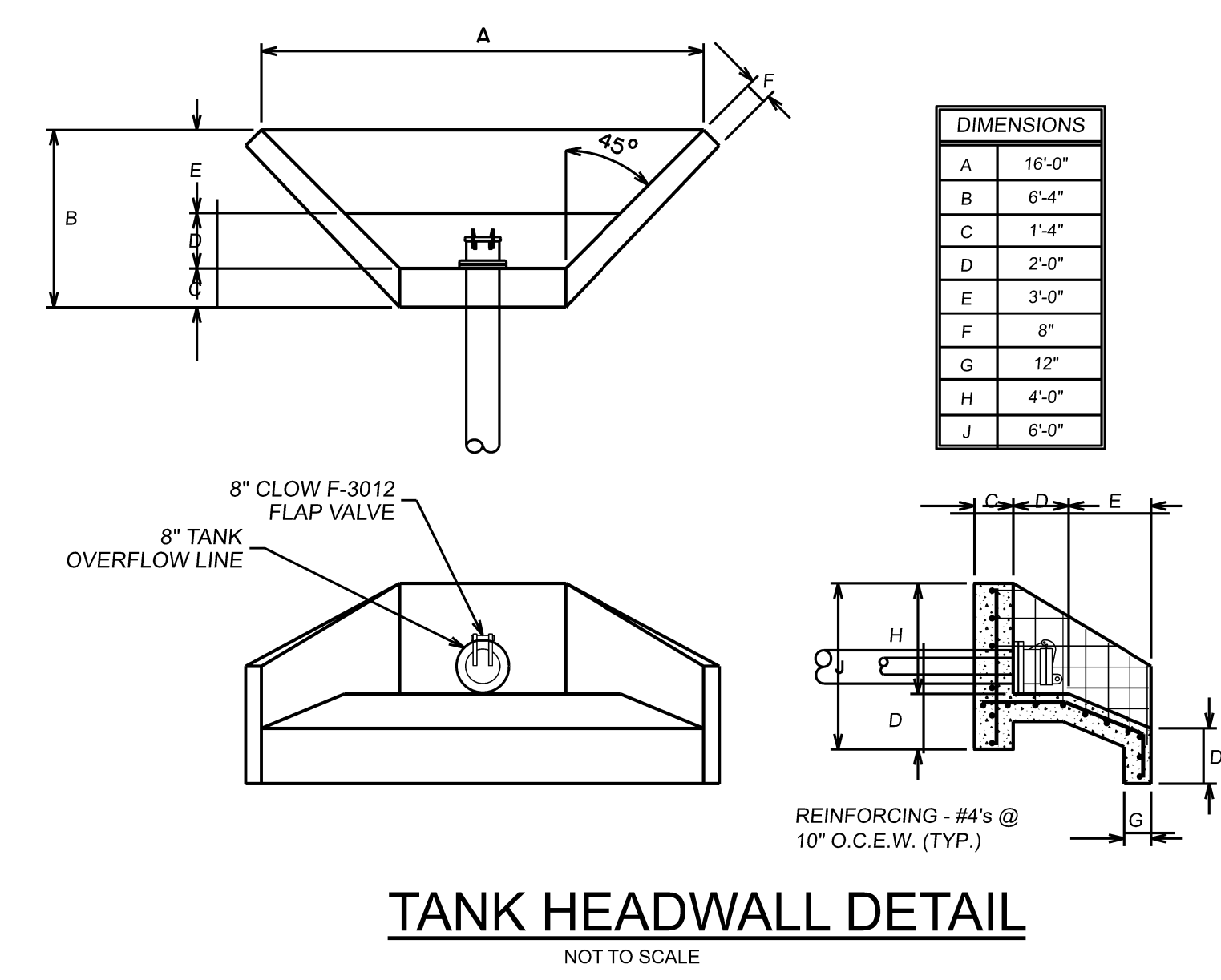
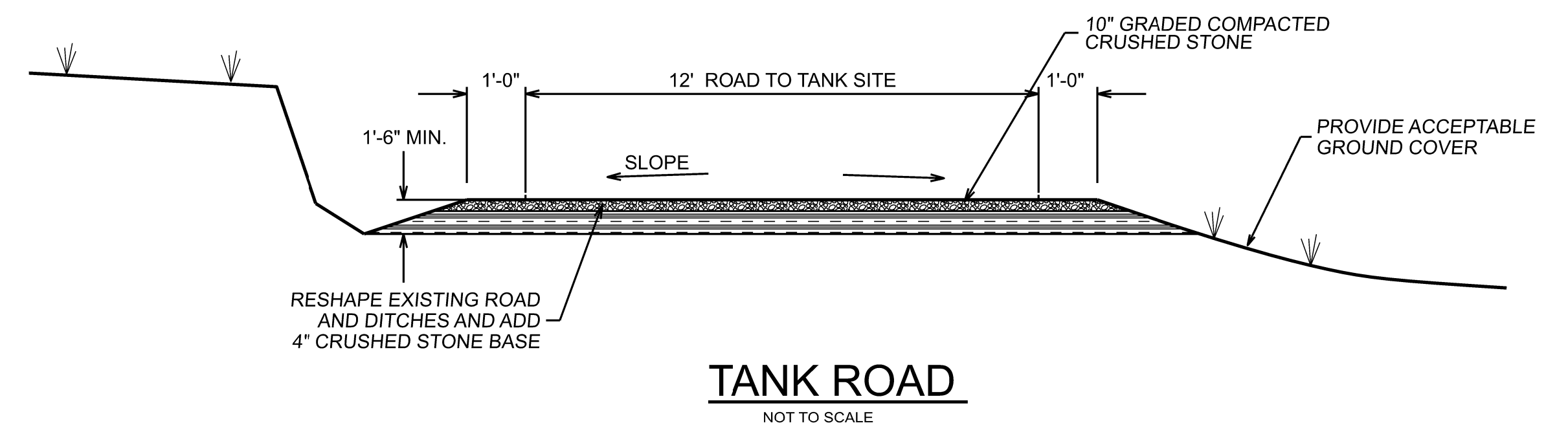


CITY OF ALGOOD Putnam County, Tennessee			BUCK MOUNTAIN PUMP STATION PLAN AND SECTIONS		
DESIGN	DRAWN	CHECKED	DATE	SCALE	PROJECT NO.
JCH	LLB	JCH	AUG. 2020	AS NOTED	20172



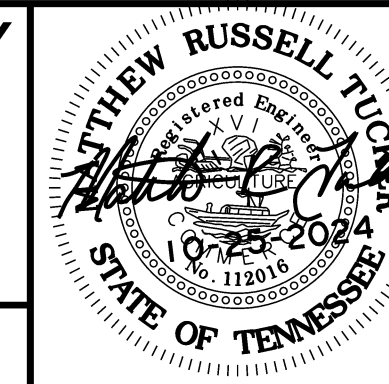
GENERAL NOTES

1. ALL PIPING SHALL MEET APPLICABLE PROVISIONS OF THE "TECHNICAL SPECIFICATION WATER SUPPLY FACILITIES."
2. ACTUAL ORIENTATION OF ALL ACCESSORIES TO BE APPROVED BY OWNER.
3. 10" COMPACTED CRUSHED STONE ROAD. 15 FT. WIDE AROUND TANK AS SHOWN ON SITE PLAN.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITIES FOR CONSTRUCTION.
5. TANK ACCESSORIES SHALL BE AS FOLLOWS:
 - A. FIBERGLASS VENTILATOR
 - B. 675 SQUARE INCH PRECAST OVERFLOW - 4 REQUIRED.
 - C. PRECAST ACCESS HATCH CURB WITH FIBERGLASS COVER
 - D. INTERIOR FIBERGLASS LADDER WITH TS SAFETY RAIL
 - E. EXTERIOR ALUMINUM LADDER WITH TS SAFETY RAIL
 - F. WALL MANHOLE - CENTERLINE 3.0 ABOVE GRADE
 - G. FIBERGLASS LIQUID LEVEL INDICATOR WITH PRECAST CURB
 - H. PIPE BRACKETS FOR 16" D.I.P. OVERFLOW PIPE (5 REQUIRED)
 - I. 16" FIBERGLASS MUDSILL
 - J. 24" x 12" D.I. REDUCER
 - K. 24" D.I. FLANGED FLARE
 - L. PIPING: 16" D.I.P. - INLET/OUTLET
12" D.I.P. - OVERFLOW/DRAIN
6. CONTRACTOR TO FURNISH AND INSTALL 12" COMPACTED CRUSHED STONE OVER ENTIRE TANK FLOOR AND 18 FT. AROUND TANK.
7. CONTRACTOR TO FURNISH EROSION CONTROL PLANS MEETING ALL REQUIREMENTS OF THE STATE OF TENNESSEE.
8. ALL CONTOURS SHOWN ARE APPROXIMATE AND DEPICTS ANTICIPATED ELEVATION. BEFORE APPLICATION OF BASE, THE CITY WITH THE ASSISTANCE OF THE CONTRACTOR, SHALL LOCATE THE CENTER OF THE TANK, ESTABLISH FINAL FOUNDATION ELEVATION, PROVIDE AN ELEVATION BENCHMARK, AND OBTAIN GEOTECHNICAL EVALUATION. CONTINGENT UPON GEOTECHNICAL REPORT, THE CONTRACTOR SHALL THEN COMMENCE FOUNDATION AS DIRECTED.
9. EXCESS MATERIAL MAY BE DISPOSED OF IN THIS AREA PROVIDED DRAINAGE IS MAINTAINED, AND SITE IS GRADED AND GRASS STAND ESTABLISHED. CONTRACTOR TO PROVIDE PROPOSED FINAL GRADING PLAN AND SAID PLAN MUST BE APPROVED BY THE CITY OF ALGOOD ALL OTHER EXCESS MATERIAL TO BE DISPOSED OFF-SITE PROPERLY AS DIRECTED BY THE CITY OF ALGOOD. NO ROCK, CONCRETE, PIPE, VALVES, STEEL OR ANY OTHER NON-SOIL MATERIAL IS ALLOWED IN THIS AREA.

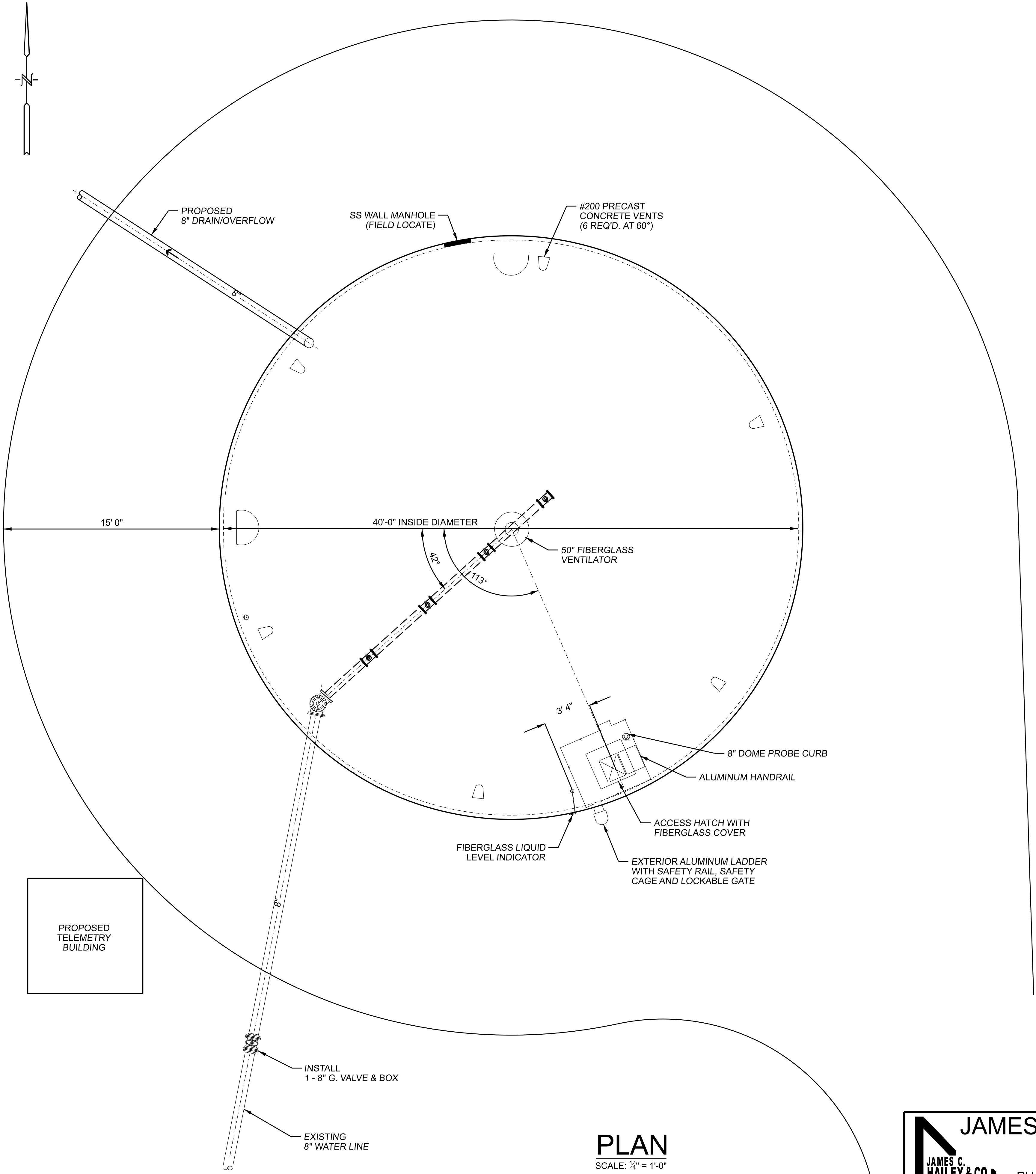


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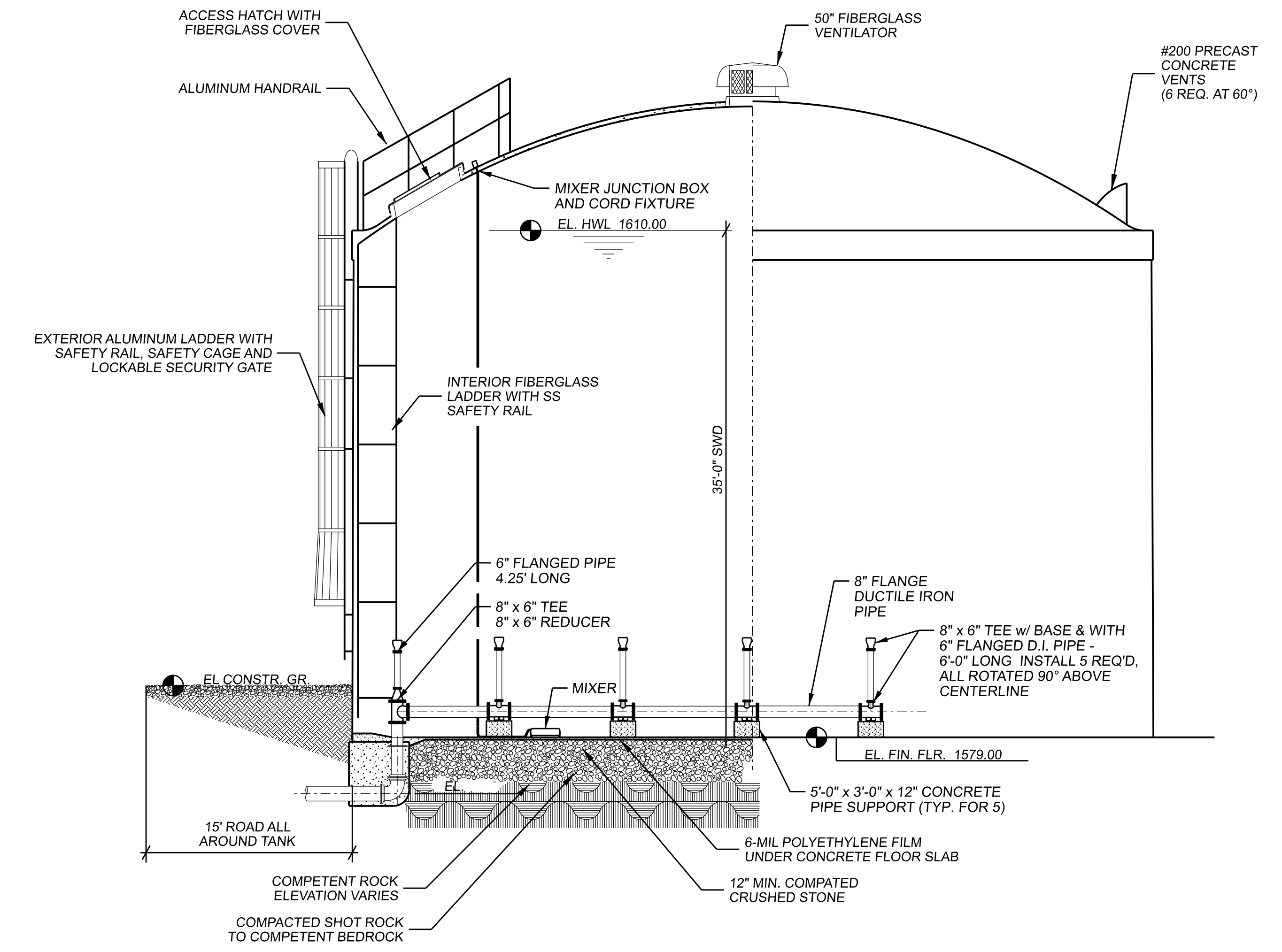
CITY OF ALGOOD Putnam County, Tennessee			SITE PLAN NEW WATER STORAGE TANK		
DESIGN	DRAWN	CHECKED	DATE	SCALE	PROJECT NO.
JCH	LLB	JCH	MAR. 2022	AS NOTED	20172



PLAN
SCALE: 1/4" = 1'-0"

NOTES:

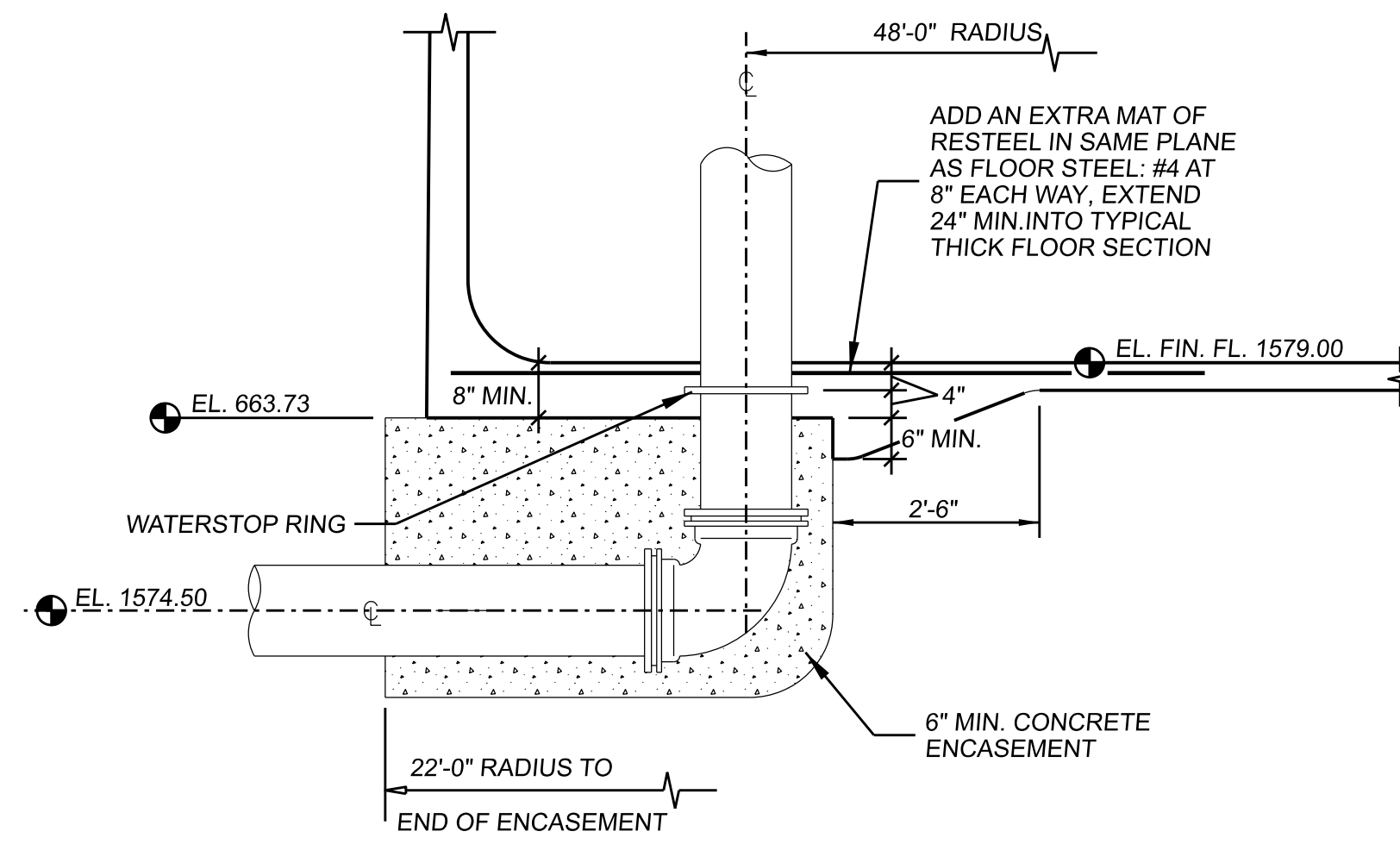
1. PRESTRESSED CONCRETE TANK CONTRACTOR TO PROVIDE STRUCTURAL DESIGN OF TANK AND FOUNDATION.
2. ALL CONSTRUCTION WORK AND MATERIALS MUST BE DONE IN ACCORDANCE WITH ANSI / AWWA STANDARD D110 FOR PRE-STRESSED CONCRETE TANKS.
3. DISINFECTION AND BACTERIOLOGICAL TESTING OF ALL NEW WATER STORAGE RESERVOIRS SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT ANSI / AWWA STANDARD C652 FOR TANK DISINFECTION.
4. ALL PIPE, FITTINGS, ETC. TO BE RESTRAINED JOINT WITHIN LIMITS OF THIS SHEET.
5. CONTRACTOR SHALL CONFIRM OVERFLOW ELEVATION OF EXISTING 5 MG TANK AND PROPOSED TANK OVERFLOW ELEVATION SHALL BE ADJUSTED TO MATCH.
6. EXCAVATE UNDER TANK TO COMPETENT BEDROCK AND PLACE SHOT ROCK WITH MAXIMUM SIZE 6". CAPPED WITH 12" OF CRUSHED STONE.
7. CONTRACTOR SHALL ADHERE TO ALL ASPECTS OF THE REPORT OF GEOTECHNICAL EXPLORATION BY GEOSERVICES, LLC. SAID REPORT IS IN THE APPENDIX OF THIS PROJECT SPECIFICATIONS.



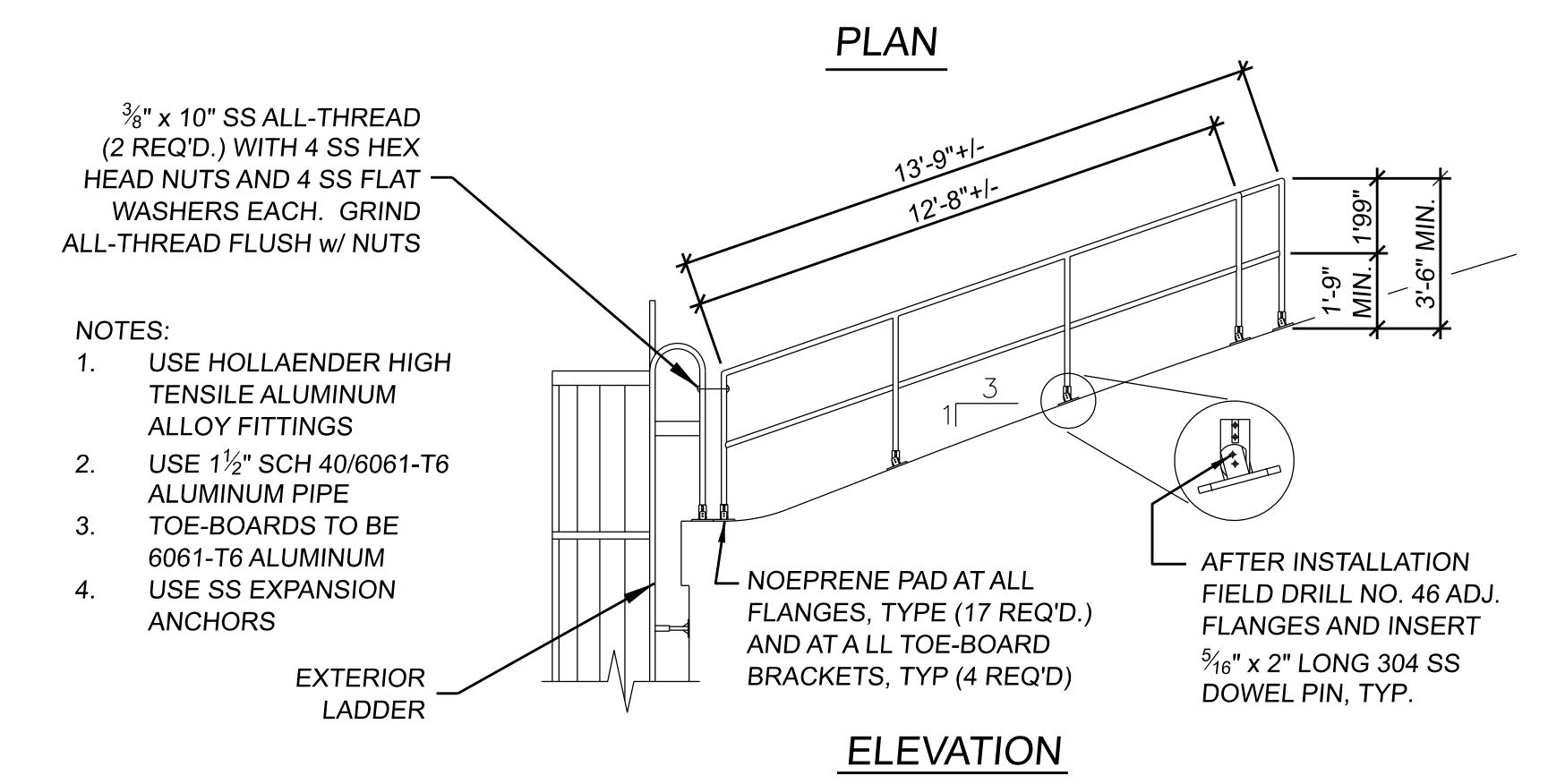
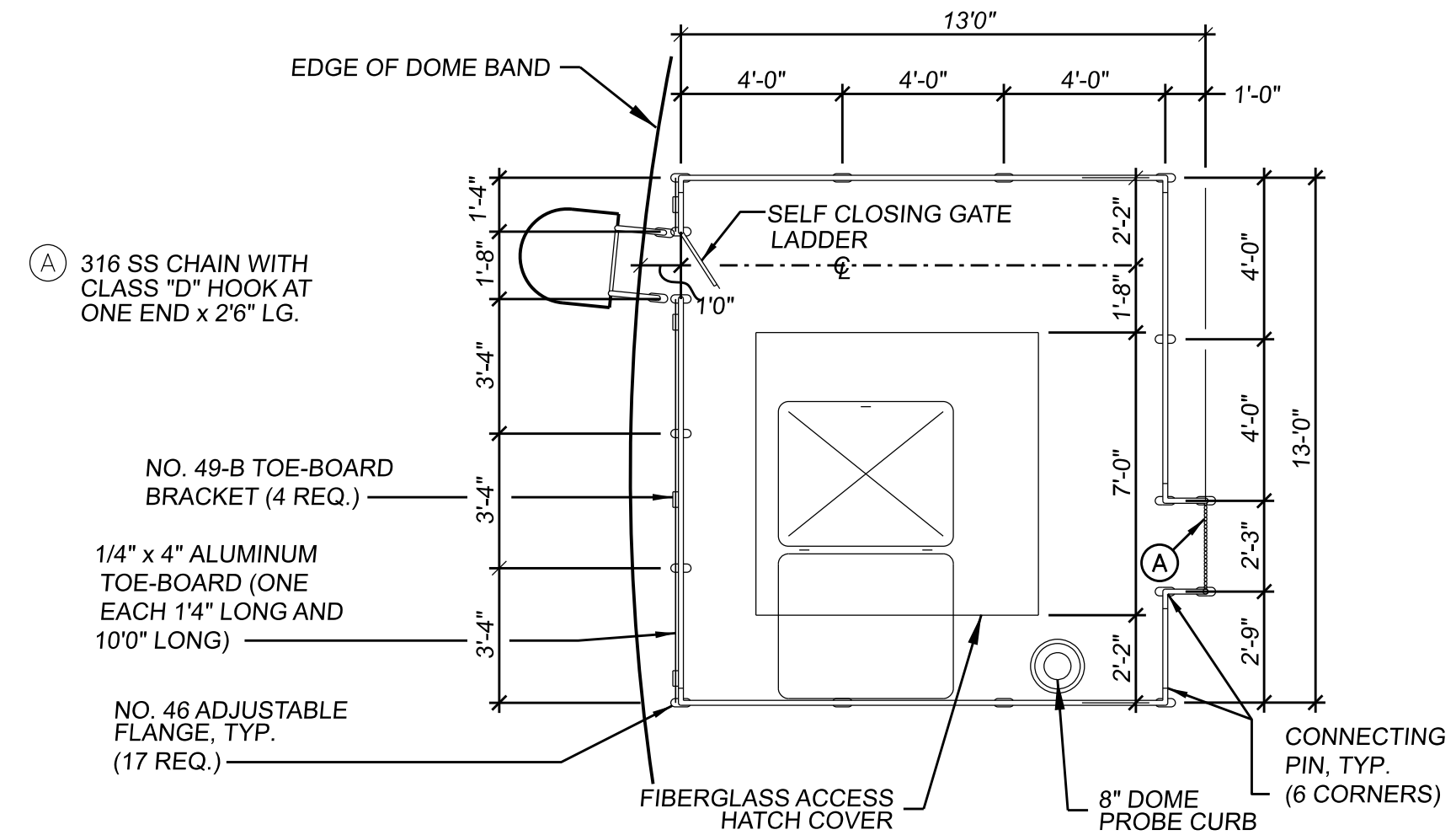
TANK SECTION / ELEVATION
SCALE: N.T.S.

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		CITY OF ALGOOD Putnam County, Tennessee		CONCRETE WATER STORAGE TANK PLAN, SECTION & ELEVATION		SHEET 5
		DESIGN MRT	DRAWN LLB	CHECKED MRT	DATE MAR. 2022	

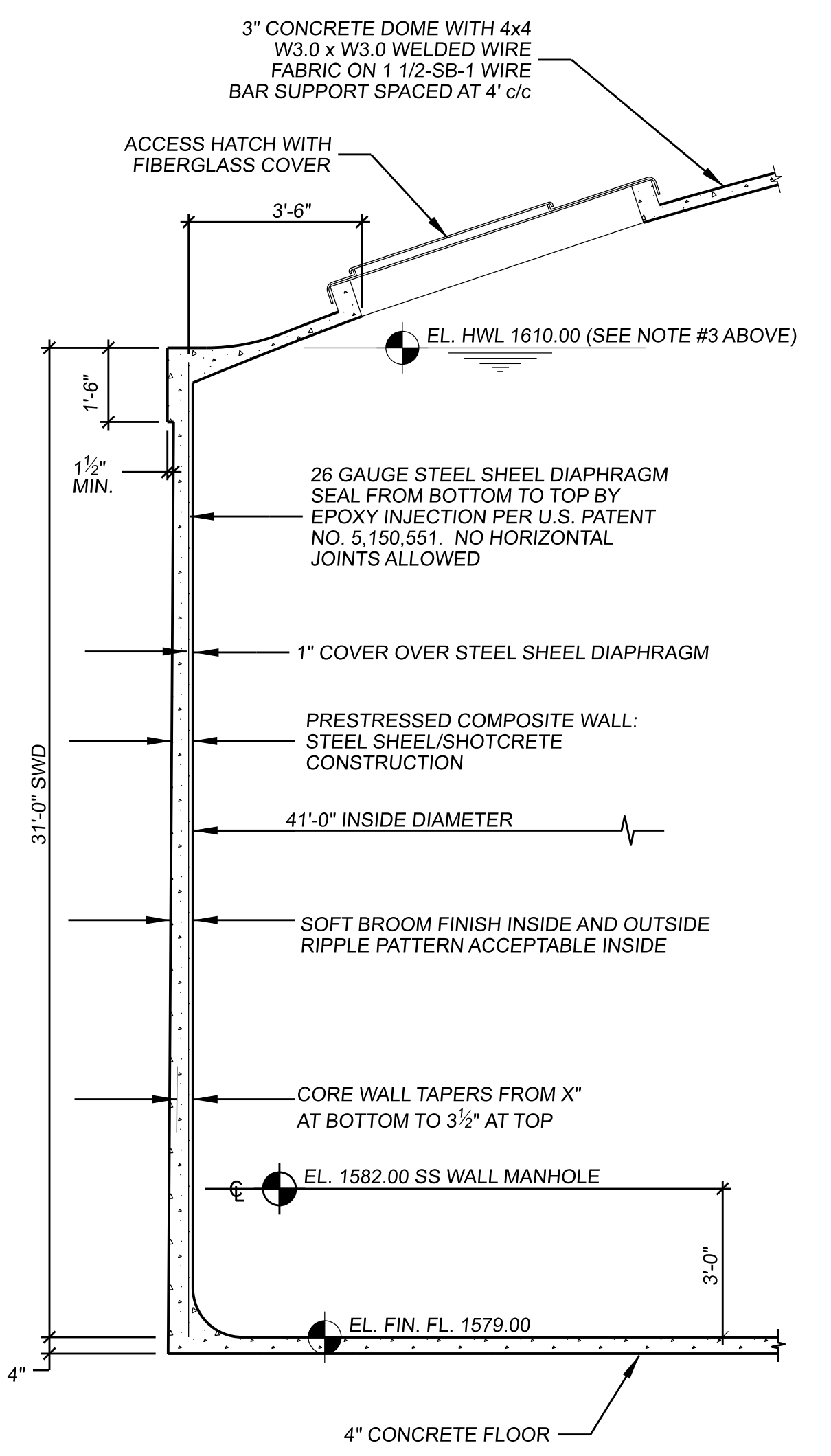


8" DIP INLET/OUTLET
SCALE: NONE

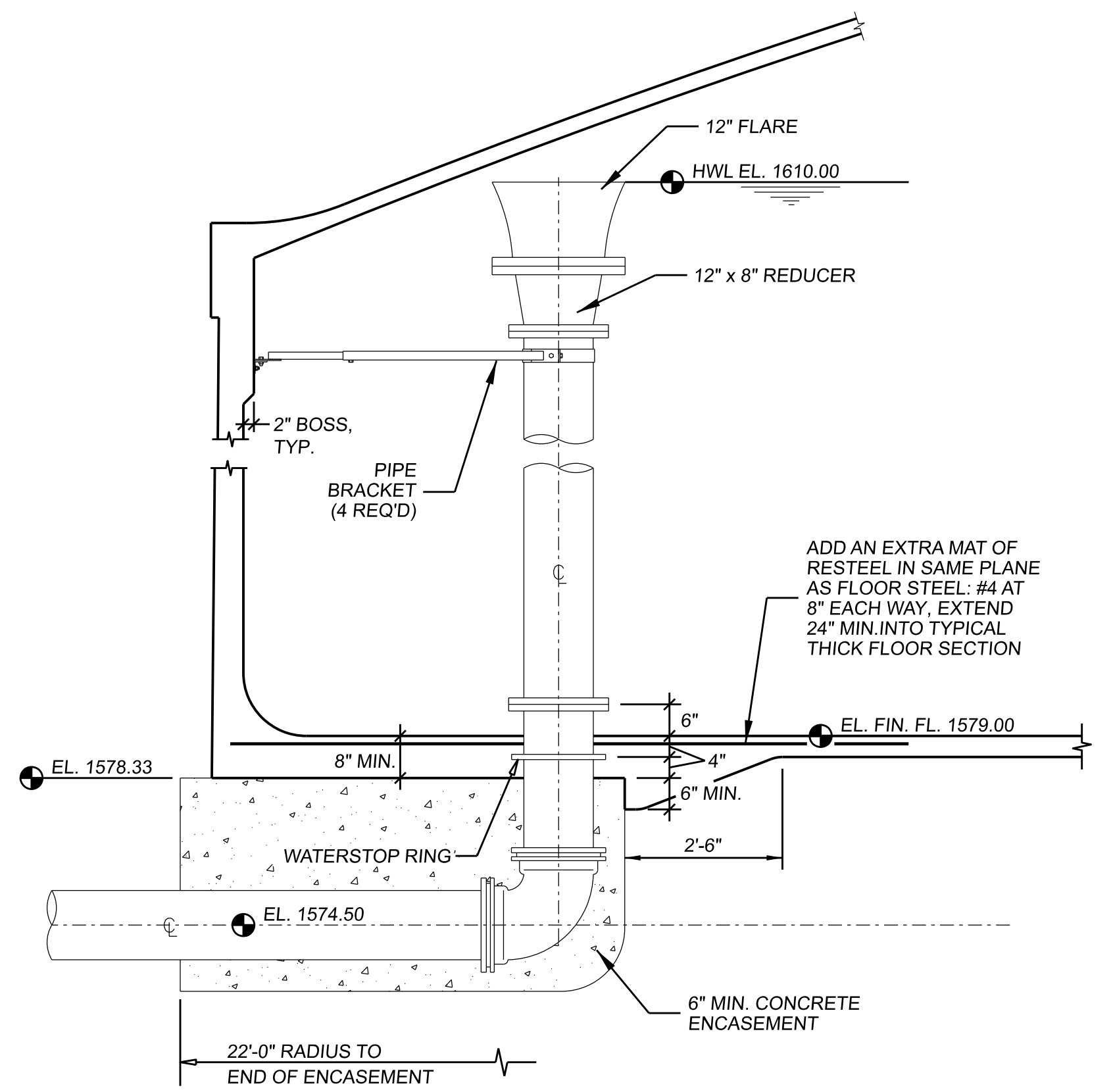


ALUMINUM HANDRAIL
SCALE: NONE

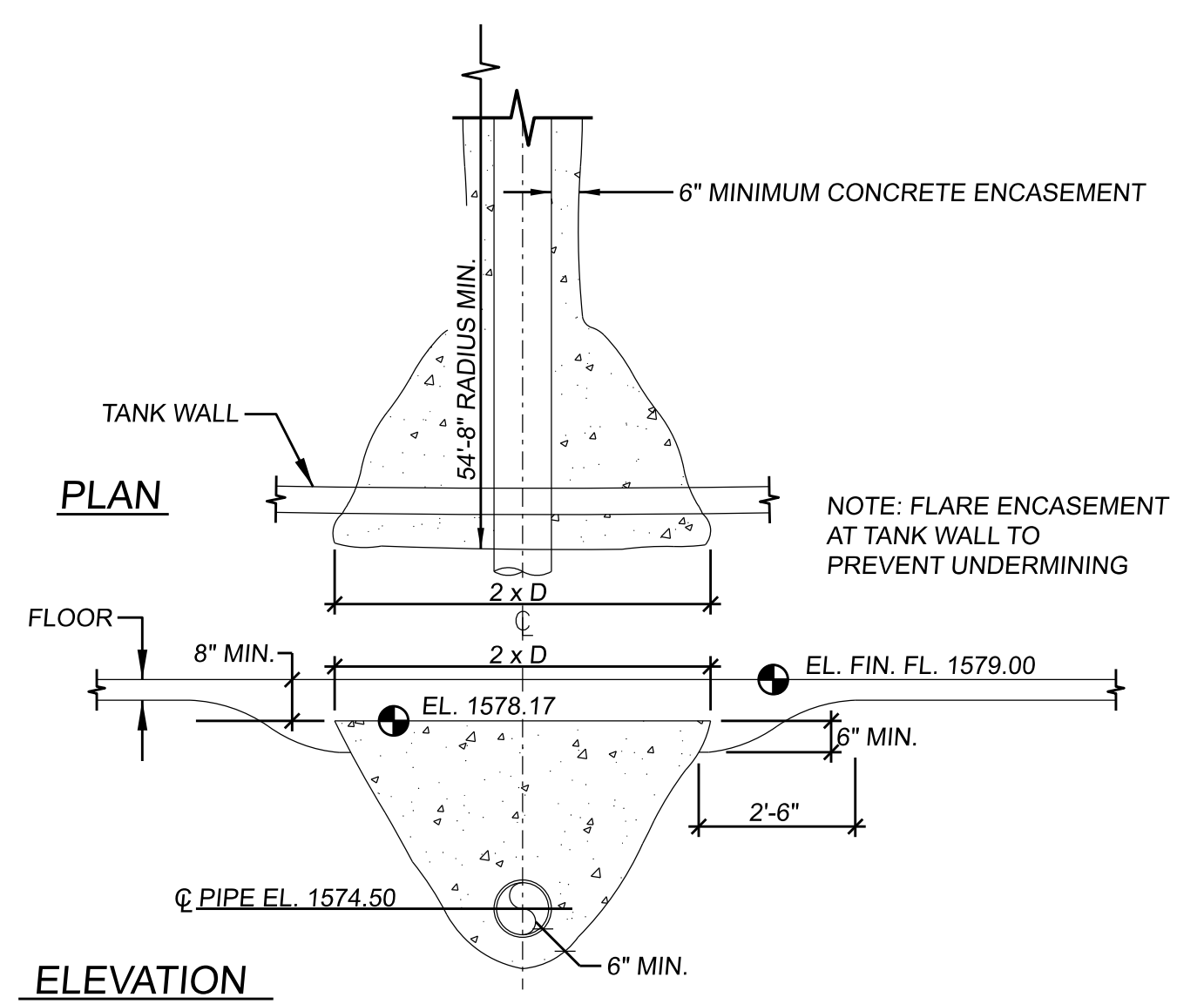
- NOTES:
- SHOTCRETE SHALL BE APPLIED BY OR UNDER DIRECT SUPERVISION OF NOZZLEMENT CERTIFIED IN ACCORDANCE WITH ACI GUIDELINES.
 - TENSION IN PRESTRESSING WIRE SHALL BE MEASURED BY AN ELECTRONIC DIRECT-READING STRESSOMETER ACCURATE TO WITHIN 2%.
 - CONTRACTOR SHALL CONFIRM OVERFLOW ELEVATION OF EXISTING 5 MG TANK AND NEW TANK OVERFLOW SHALL MATCH.



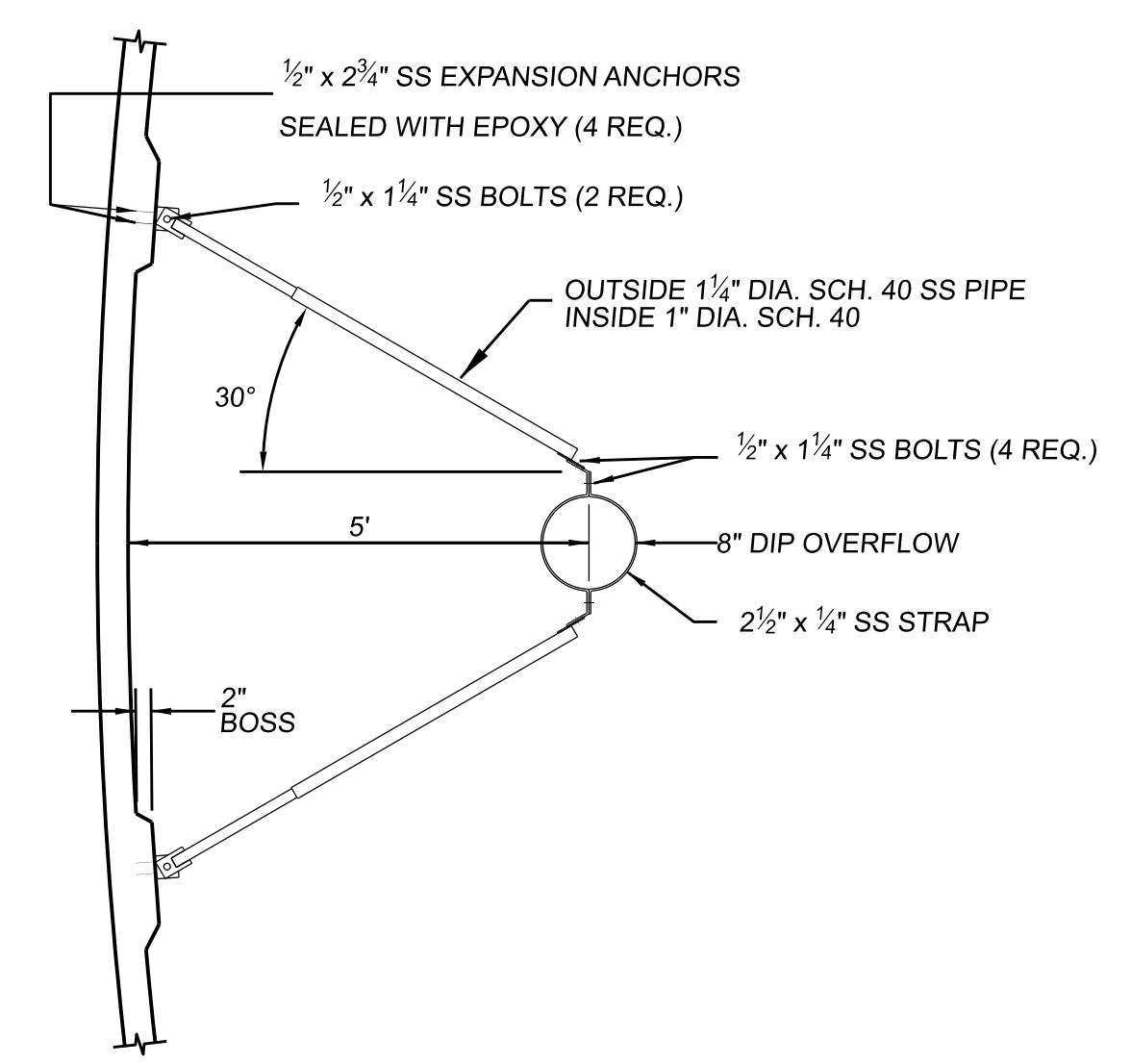
TYPICAL WALL DETAIL
SCALE: NONE



12" DIP OVERFLOW
SCALE: NONE



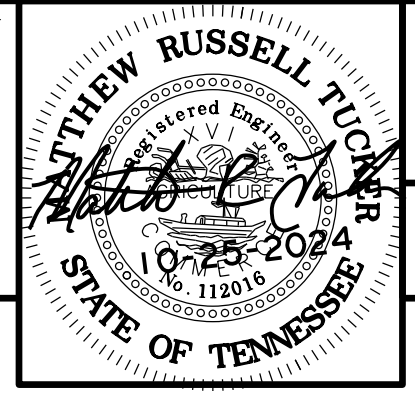
TYPICAL PIPE ENCASEMENT AT WALL
SCALE: NONE



PIPE BRACKET (5 REQ'D)
SCALE: NONE

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CITY OF ALGOOD Putnam County, Tennessee		CONCRETE WATER STORAGE TANK PLAN, SECTION & ELEVATION		6
DESIGN MRT	DRAWN LLB	CHECKED MRT	DATE MAR. 2022	
SCALE AS NOTED		PROJECT NO. 20172		