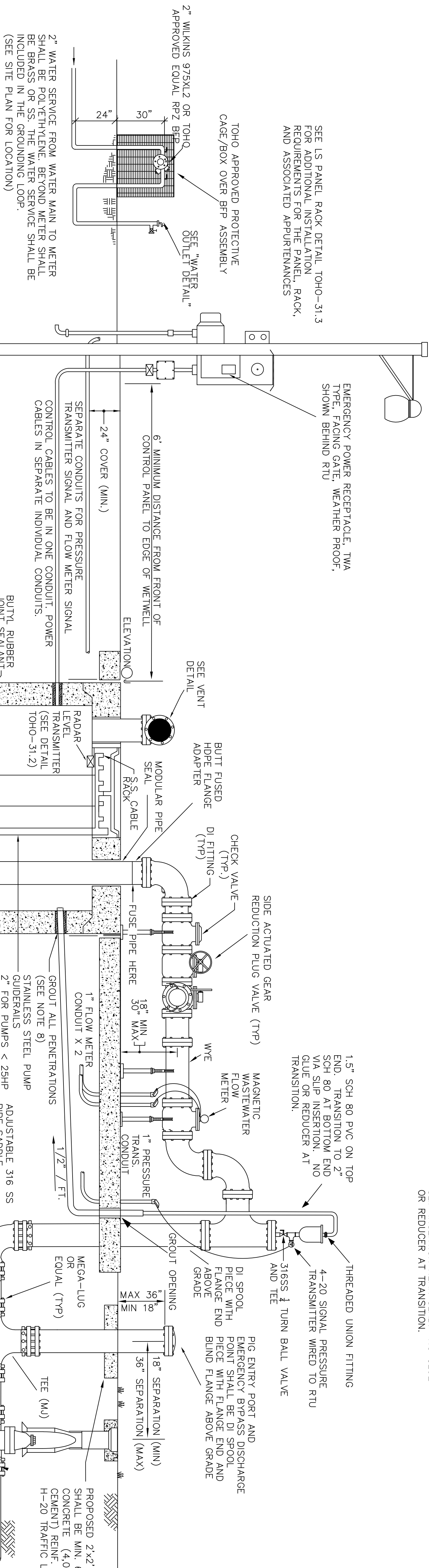
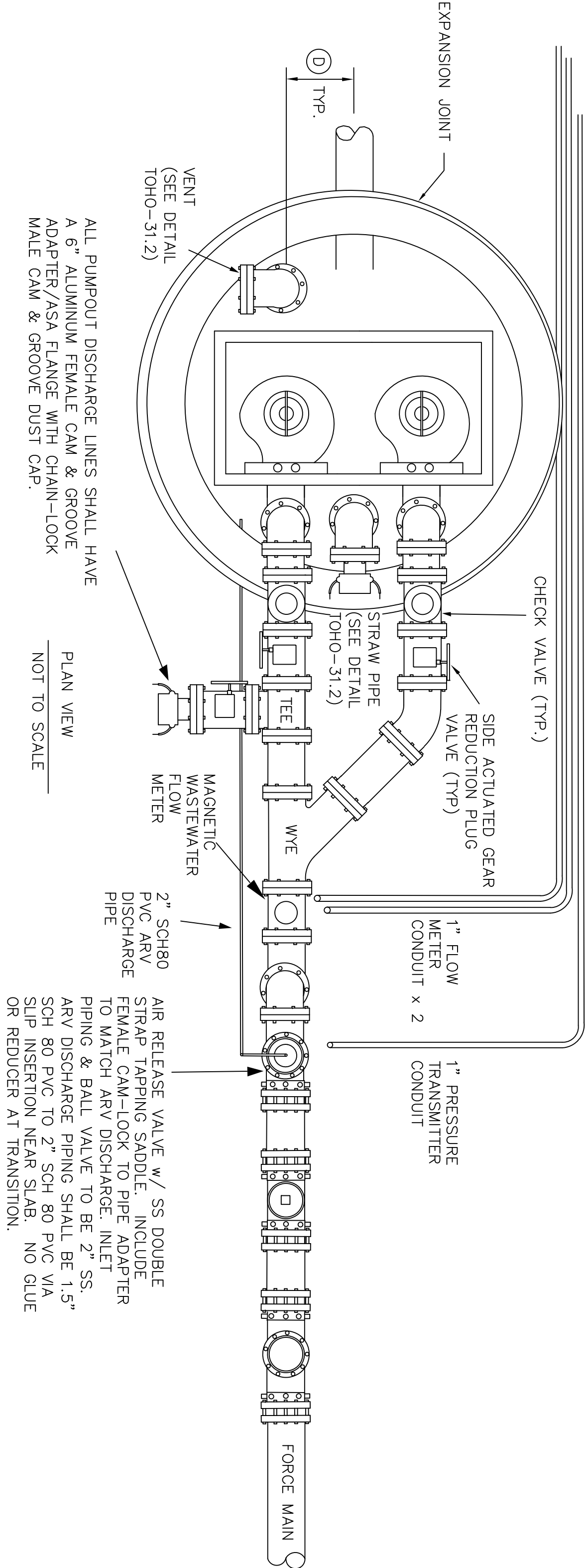


GENERAL NOTES:

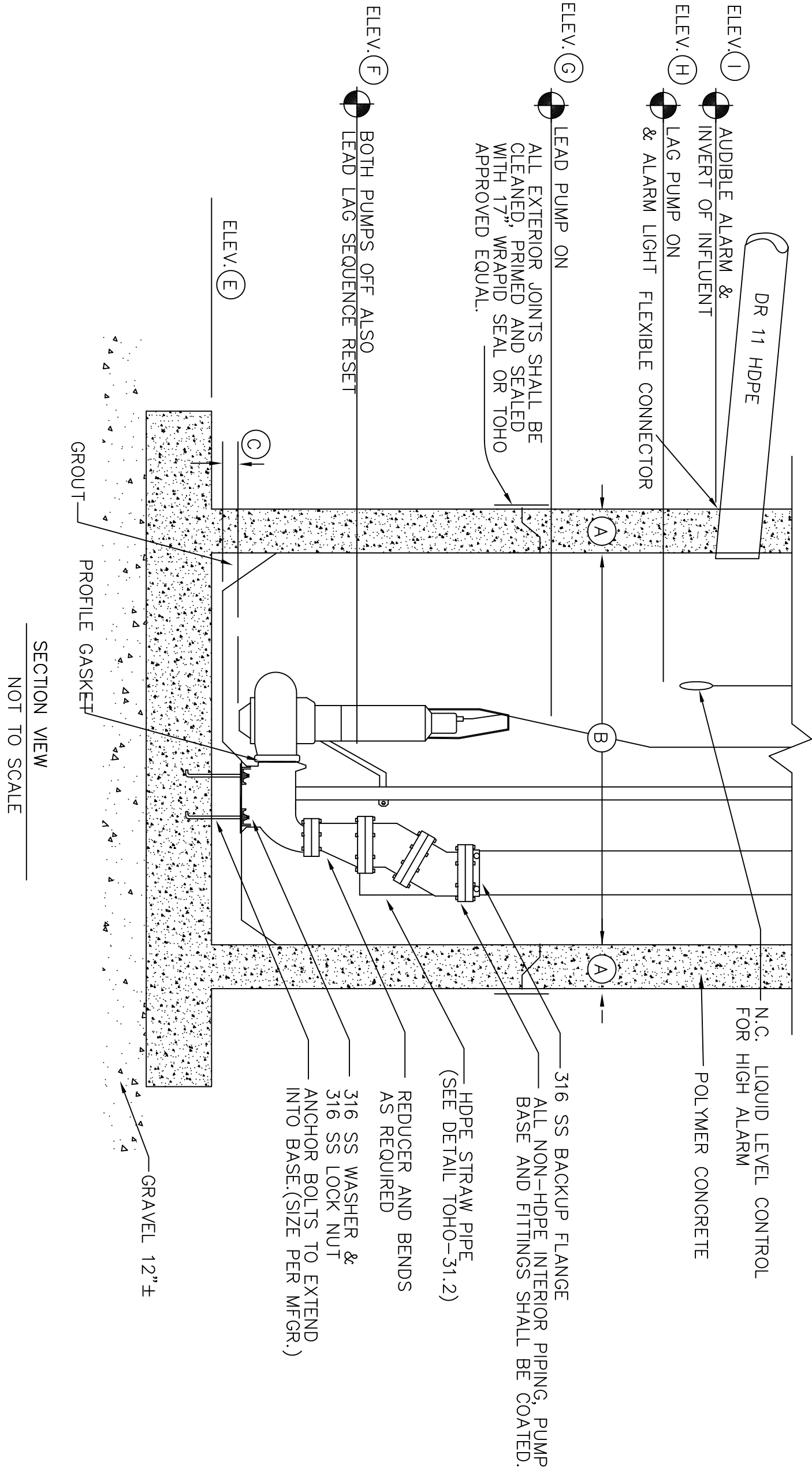
1. ALL ITEMS NOT SPECIFIED ON THESE DETAIL SHEETS SHALL MEET CURRENT TOHO STANDARDS AND SPECIFICATIONS.
2. ALL LIFT STATION WET WELLS SHALL BE PRECAST POLYMER CONCRETE.
3. NO LIFTING HOLES ARE PERMITTED THRU WALLS OR TOP SLAB.
4. ALL ABOVE GROUND FORCE MAIN PIPING SHALL BE FLANGED DUCTILE IRON.
5. SPOOL PIECES ABOVE GRADE SHALL BE FLANGED DUCTILE IRON.
- 5.1. PROVIDE AN 18" SPOOL PIECE UPSTREAM OF EACH CHECK VALVE.
- 5.2. THE NUMBER AND LENGTH OF SPOOL PIECES DOWNSTREAM OF THE CHECK VALVE SHALL BE KEPT TO A MINIMUM AND USED ONLY AS NECESSARY TO ACHIEVE PROPER ALIGNMENT OF THE ASSEMBLY.
6. ALL CONDUIT SHALL BE RIGID ALUMINUM EXCEPT FOR THE CONDUIT FROM THE TRANSFORMER TO THE 2ND DISCONNECT AFTER THE METER.
7. FINISHED GRADE INSIDE THE FENCED AREA SHALL BE A MINIMUM OF 12" ABOVE THE 100 YEAR FLOOD AND 6" ABOVE THE GROUND ELEVATION OF THE HIGHEST FENCE POST.
8. ALL PENETRATIONS, INTERIOR OPENINGS, CHPS, LIFT HOLES, ETC. SHALL BE SEALED WITH POLYMER GROUT AS SPECIFIED BY THE MANHOLE PRECASTER.
9. SEE PANEL DRAWING(S) FOR TELEMETRY SYSTEM DETAILS.
10. TELEMETRY SHALL BE PAID FOR BY THE DEVELOPER AND FURNISHED, INSTALLED, AND PROGRAMMED BY TOHO.
11. THE CELLULAR ANTENNA WILL BE PROVIDED AND INSTALLED BY TOHO.
12. ALL ENCLOSURE PENETRATIONS SHALL BE MADE ON THE BOTTOM OF THE ENCLOSURE. TOP AND SIDE PENETRATIONS ARE NOT PERMITTED EXCEPT ON TVSS. USE WERS HUBS EXCEPT BETWEEN METER AND DISCONNECT AND TVSS.
13. ALL BOXES AND ENCLOSURES SHALL BE NEMA 4X 316 STAINLESS STEEL.
- 13.1. METER CAN SHALL BE PER UTILITY COMPANY.
14. RACK TO UTILIZE 316 STAINLESS STEEL STRUT CHANNEL AND HARDWARE WITH VINYL ENDCAPS.
15. ALL BOLTS AND WASHERS INSIDE THE WET WELL SHALL BE 316 SS LOCK NUTS.
16. ALL NUTS INSIDE THE WET WELL SHALL BE 316 SS LOCK NUTS.
17. ABOVE GROUND SHUT-OFF VALVES SHALL BE FLANGE END SIDE ACTUATED GEAR REDUCTION PLUG VALVES.
18. PRESSURE TRANSMITTER AND FLOW TRANSMITTER CABLES SHALL ENTER IN-GROUND CONDUIT VIA WEATHERHEAD SERVICE CAP.
19. IN-GROUND VALVES SHALL BE MECHANICAL JOINT END PLUG VALVES WITH 2" OPERATING NUT.



2" WATER SERVICE FROM WATER MAIN TO METER SHALL BE POLYETHYLENE. BEYOND METER SHALL BE BRASS OR SS. THE WATER SERVICE SHALL BE INCLUDED IN THE GROUNDING LOOP.
(SEE SITE PLAN FOR LOCATION)

MARK	DIMENSIONS	DESCRIPTION	COMMENTS
DIM. A		WETWELL WALL THICKNESS	PER PRECASTER SPECIFICATIONS
DIM. B		WETWELL DIAMETER	8' MINIMUM
DIM. C		PER PUMP SUBMITTAL DATA	
DIM. D		DISTANCE BETWEEN CENTER OF INVERT AND CENTER OF PUMP	INFLOW SHALL NOT LAND ON ANY PORTION OF A PUMP INSIDE THE WELL
DIM. E		ELEVATION	BOTTOM OF WETWELL
DIM. F		ELEVATION	PUMPS OFF
DIM. G		ELEVATION	LEAD PUMP ON
DIM. H		ELEVATION	LAG PUMP ON
DIM. I		ELEVATION	AUDIBLE ALARM & INVERT
DIM. J		ELEVATION	TOP OF SLAB
DIM. K		HDPE DR11 DIAMETER	DISCHARGE
DIM. L		EQUAL TO DEPTH OF WETWELL.	15' MIN W/ NO ODOR CONTROL. 20' MIN W/ ODOR CONTROL RECD.
FLOOD ZONE DESIGNATION		FLOOD ELEV.	VERT DATUM "NAVD"

PUMP MANUFACTURER: _____ MODEL: _____ HP: _____
IMPELLER: _____ GPM at _____ TDH



THIS DETAIL IS NOT INTENDED TO ENCOMPASS ALL CONSTRUCTION DETAILS FOR LIFT STATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REFER TO ALL OF TOHO'S LS DETAILS AS WELL AS THE STANDARDS AND SPECIFICATIONS MANUAL.



EFFECTIVE DATE:	04/01/2025
BOARD APPROVED DATE:	01/22/2025
PREVIOUS VERSION:	2022
DRAWN BY:	MP
REVISED BY:	DT

STANDARD LIFT STATION DETAIL