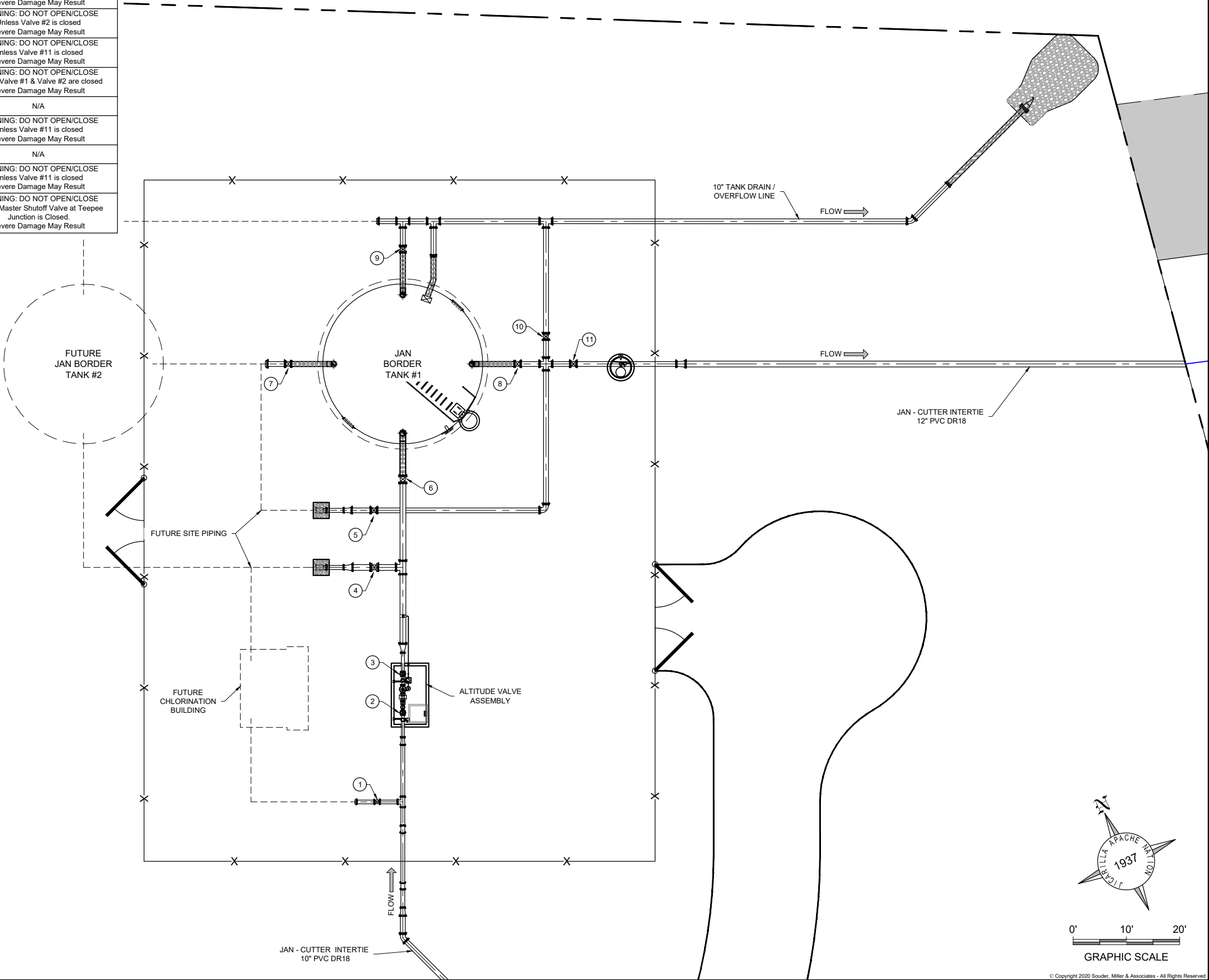


TANK SITE - VALVE IDENTIFICATION					
Valve No.	Valve Size	Valve Type	Pipe Type	Description	Additional Text
1	8"	GV	PVC DR18	CHLORINATION BUILDING INLET	WARNING: OPERATE SLOWLY Minimum Open or Close Speed: 180 Seconds Severe Damage May Result
2	6"	BV	DUCTILE IRON	ALTITUDE VALVE INLET	WARNING: OPERATE SLOWLY Minimum Open or Close Speed: 180 Seconds Severe Damage May Result
3	6"	GV	DUCTILE IRON	ALTITUDE VALVE OUTLET	WARNING: DO NOT OPEN/CLOSE Unless Valve #2 is closed Severe Damage May Result
4	12"	GV	PVC DR18	TEMPORARY TANK INLET	WARNING: DO NOT OPEN/CLOSE Unless Valve #2 is closed Severe Damage May Result
5	10"	GV	PVC DR18	TEMPORARY TANK OUTLET	WARNING: DO NOT OPEN/CLOSE Unless Valve #11 is closed Severe Damage May Result
6	12"	GV	STEEL/PVC DR18	TANK #1 INLET	WARNING: DO NOT OPEN/CLOSE Unless Valve #1 & Valve #2 are closed Severe Damage May Result
7	10"	GV	PVC DR18	TANK #2 TO TANK #1 CONNECTION	N/A
8	10"	GV	STEEL/PVC DR18	TANK #1 OUTLET	WARNING: DO NOT OPEN/CLOSE Unless Valve #11 is closed Severe Damage May Result
9	10"	GV	STEEL/PVC DR18	TANK #1 FLOOR DRAIN	N/A
10	10"	GV	PVC DR18	FLUSH VALVE	WARNING: DO NOT OPEN/CLOSE Unless Valve #11 is closed Severe Damage May Result
11	10"	GV	PVC DR18	TANK SITE OUTLET	WARNING: DO NOT OPEN/CLOSE Unless Master Shutoff Valve at Teepee Junction is Closed. Severe Damage May Result

NOTES:
1. REFERENCE SHEET DT-6 FOR SITE VALVE IDENTIFICATION PLACARD DETAILS.
2. VALVE NO. 11 HAS A SPECIAL VALVE BOX AND ADDITIONAL PLACARD REQUIREMENTS. SEE SHEET DT-6.



Revision	Date	Description	By	CHK'd
Δ	4/27/20	DESIGN REVISION	AAV	RAB

SMA
Engineering & Environmental
Consultants

SOUDER, MILLER & ASSOCIATES
5454 VENICE AVENUE NE, SUITE D
ALBUQUERQUE, NM 87113
Phone (505) 299-0942 Fax (505) 293-3430
www.soudermiller.com
Serving the Southwest & Rocky Mountains
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Client: Jicarilla Apache Nation
Location: JAN Border to Teepee Junction, NM

**JAN BORDER TANK SITE VALVE
NUMBERING**
JICARILLA APACHE NATION
CUTTER INTERTIE
SANDOVAL COUNTY, NEW MEXICO

Designed RMB	Drawn MvH/Aav	Checked TTT
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RYAN M. BIEHL
NEW MEXICO
22281
Professional Engineer
04-21-20

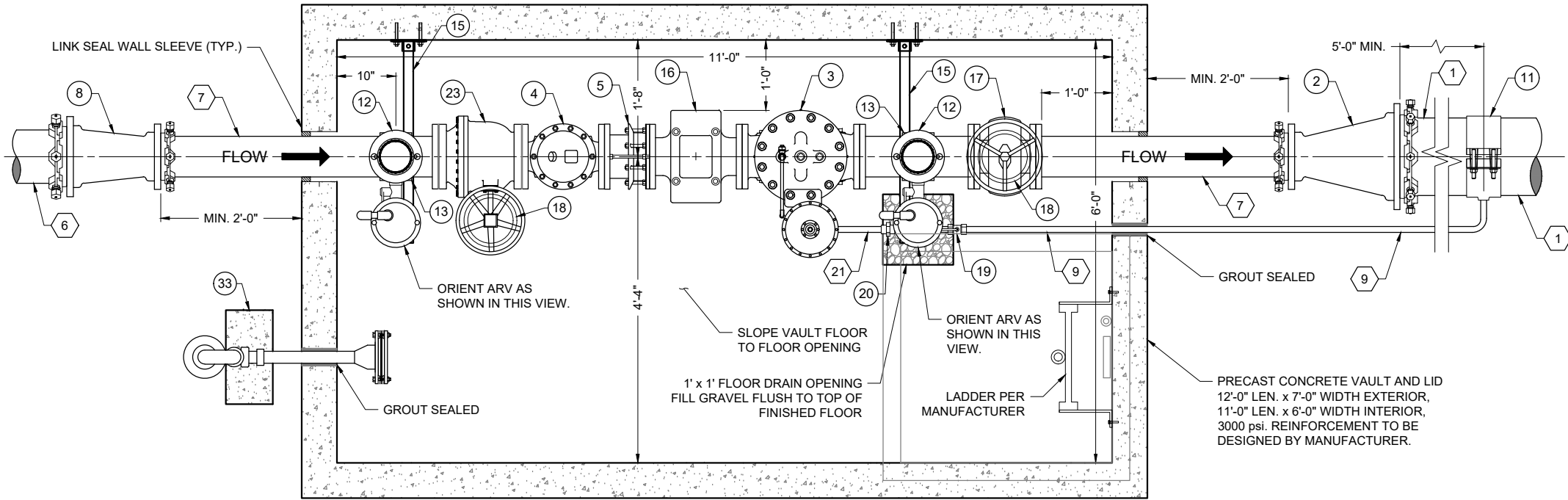
THIS DRAWING IS INCOMPLETE
AND NOT TO BE USED FOR
CONSTRUCTION UNLESS IT IS
STAMPED, SIGNED AND DATED

NOTICE OF EXTENDED
PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE
OWNER TO MAKE PAYMENT
WITHIN 45 DAYS AFTER
SUBMISSION OF
AN UNDISPUTED REQUEST
FOR PAYMENT.

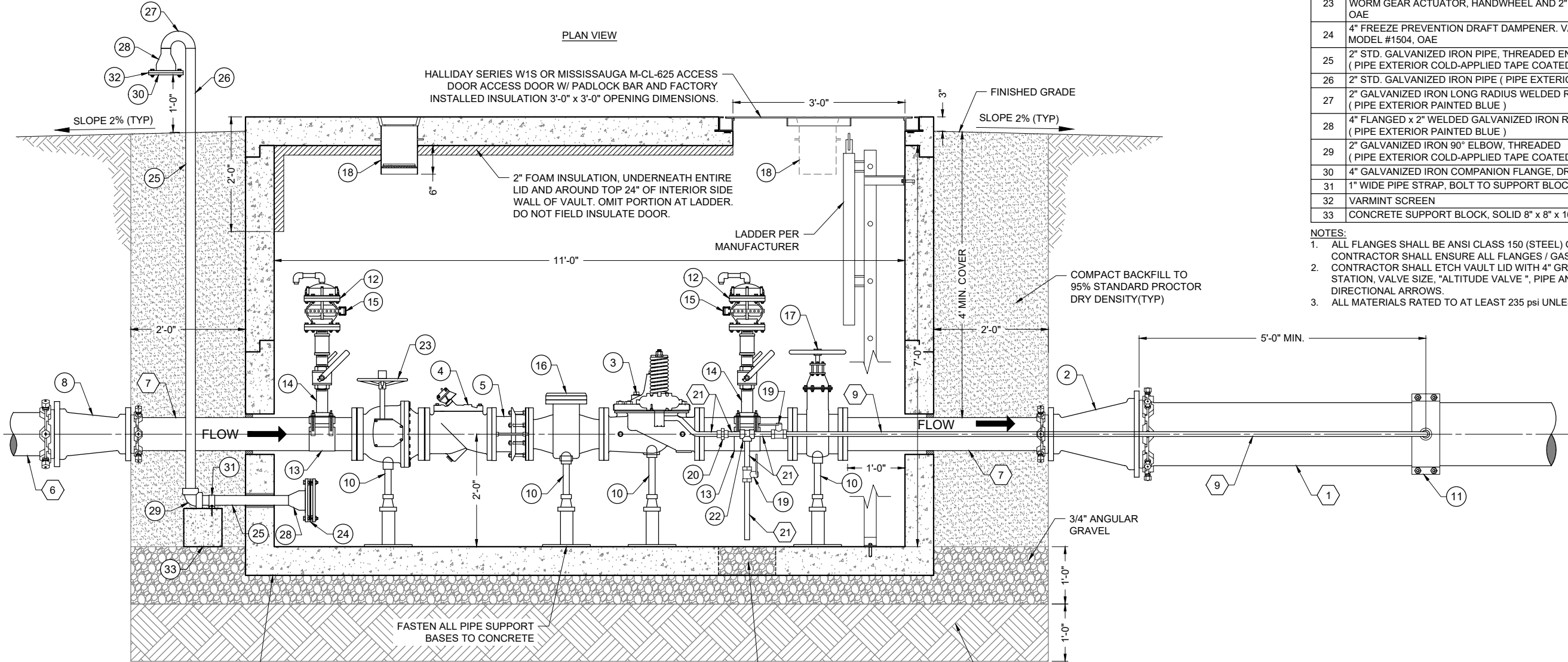
811
Know what's
below.
Call before
you dig.

Date: April 23, 2020
Scale: Horiz: 1" = 16'
Vert: N/A

Project No: 6921433
Sheet: C-26



PLAN VIEW



ELEVATION VIEW

ALTITUDE VALVE VAULT DETAIL

KEYED NOTES - 6" ALTITUDE VALVE ASSEMBLY

Item No.	Description
1	12" PVC, DR18
2	12" x 6" MJ x MJ REDUCER, D.I.
3	6" ALTITUDE VALVE, CLA-VAL VALVE MODEL 210-03KO
4	6" CHECK VALVE, VALMATIC SURGE BUSTER SERIES 7200, OAE
5	6" DISMANTLING JOINT, FBE COATED W/ 304 SS BOLTS, ROMAC MODEL DJ400, AWWA C207 CLASS E FLANGE, OAE
6	8" PVC, DR18
7	6" FL x PE SPOOL, D. I.
8	8" x 6" MJ x MJ REDUCER, D.I.
9	1" ANNEALED STAINLESS STEEL PILOT LINE
10	ADJUSTABLE PIPE SUPPORT W/ CRADLE
11	12" x 1" TAPPING SADDLE, D.I. W/ FUSION BONDED NYLON COATING, SS 304 DUAL STRAPS AND SS 304 BOLT KIT, FNPT, ROMAC 202 NS, OAE
12	2" VACUUM BREAKER W/ 1" ARV, AS PER "VACUUM BREAKER VALVE DETAIL", SHEET DT-7 (SEE PLAN VIEW FOR ORIENTATION)
13	6" x 2" TAPPING SADDLE, D.I. W/ FUSION BONDED NYLON COATING, SS 304 DUAL STRAPS AND SS 304 BOLT KIT, FNPT, ROMAC 202 NS, OAE
14	2" NIPPLE, SS304, NPT, 6" IN LENGTH
15	1 5/8" GALVANIZED UNI-STRUT
16	6" H STRAINER FL x FL, CLA-VAL MODEL X43H, OAE
17	6" FL x FL GATE VALVE W/ HANDWHEEL & 2" SQUARE OPERATING NUT
18	CAST IRON VALVE BOX W/ LOCKING LID (SHIPPED LOOSE)
19	1" BALL VALVE, SS 304
20	1" UNION, SS 304
21	1" NIPPLE, SS 304 SCH 40
22	1" TEE, SS 304 SCH 40
23	6" VALMATIC DOUBLE-SEATED AWWA BALL VALVE W/ AUMA GS100.3 WORM GEAR ACTUATOR, HANDWHEEL AND 2" SQUARE OPERATING NUT, OAE
24	4" FREEZE PREVENTION DRAFT DAMPENER, VALMATIC FROSTSAFE MODEL #1504, OAE
25	2" STD. GALVANIZED IRON PIPE, THREADED END (PIPE EXTERIOR COLD-APPLIED TAPE COATED)
26	2" STD. GALVANIZED IRON PIPE (PIPE EXTERIOR PAINTED BLUE)
27	2" GALVANIZED IRON LONG RADIUS WELDED RETURN (PIPE EXTERIOR PAINTED BLUE)
28	4" FLANGED x 2" WELDED GALVANIZED IRON REDUCER (PIPE EXTERIOR PAINTED BLUE)
29	2" GALVANIZED IRON 90° ELBOW, THREADED (PIPE EXTERIOR COLD-APPLIED TAPE COATED)
30	4" GALVANIZED IRON COMPANION FLANGE, DRILLED TO FIT
31	1" WIDE PIPE STRAP, BOLT TO SUPPORT BLOCK (3" BOLTS)
32	VARMINT SCREEN
33	CONCRETE SUPPORT BLOCK, SOLID 8" x 8" x 16"

NOTES:

- ALL FLANGES SHALL BE ANSI CLASS 150 (STEEL) OR ANSI CLASS 125 (IRON). CONTRACTOR SHALL ENSURE ALL FLANGES / GASKETS ARE COMPATIBLE.
- CONTRACTOR SHALL ETCH VAULT LID WITH 4" GRINDER AS FOLLOWS: PIPE STATION, VALVE SIZE, "ALTITUDE VALVE ", PIPE AND MATERIAL, WITH DIRECTIONAL ARROWS.
- ALL MATERIALS RATED TO AT LEAST 235 psi UNLESS OTHERWISE SPECIFIED.

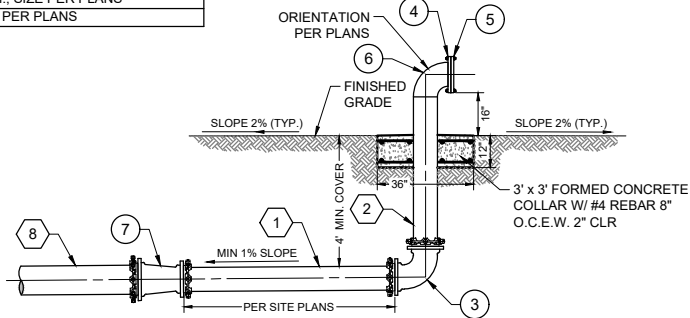
NOTES:

1. FOUNDATION AND TANK STRUCTURAL DESIGN DRAWINGS AND CALCULATIONS (SEALED BY NEW MEXICO-LICENSED PROFESSIONAL ENGINEER) TO BE PROVIDED BY TANK MANUFACTURER. FOUNDATION SHALL BE EITHER CONCRETE OR STEEL RING, BASED ON LICENSED P.E.'s DESIGN.
2. FOUNDATIONS SHOWN IN DRAWING ARE FOR REFERENCE ONLY. DIAMETER OF FOUNDATION TO BE BASED ON P.E.'s DESIGNED FOUNDATION.
3. SUB-FOUNDATION PER GEOTECHNICAL INVESTIGATION REPORT (REFER TO CONTRACT DOCUMENTS).
4. TANK COLOR TO BE DETERMINED BY OWNER.
5. TANK APPURTENANCES SHOWN IN ELEVATION VIEW HAVE BEEN ROTATED INTO VIEW FOR DEPICTION PURPOSES.
6. ALL BURIED STEEL PIPE AND WELDED FITTINGS SHALL BE EXTERIOR COATED W/ COAL TAR EPOXY AND COLD APPLIED TAPE COATING PER SPECIFICATIONS, AND INTERIOR COATED TO MATCH TANK INTERIOR SIDE WALL.
7. ALL STEEL PIPE AND FITTINGS UNDERNEATH AND WITHIN 5' OF TANKS OR BUILDINGS SHALL BE SHOP WELDED AND COATED, X-RAY TESTED AND PRESSURE TESTED PRIOR TO POURING FOUNDATIONS. SHOP COATING SHALL BE APPLIED AFTER WELDING.
8. ALL STEEL PIPE AND FITTINGS SHALL BE STANDARD WALL UNLESS OTHERWISE NOTED.
9. SANDBLASTING WASTE SHALL BE DISPOSED OF OFF-SITE AT AN APPROVED SOLID WASTE FACILITY AT THE CONTRACTOR'S EXPENSE.
10. ALL STEEL PIPE FLANGES SHALL BE ANSI CLASS 150.
11. EXACT ORIENTATION OF ALL TANK FEATURES AND PIPE PENETRATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER. TANK MANUFACTURER SHALL CONFIRM ALL LOCATIONS W/ ENGINEER PRIOR TO FABRICATION. SOME FEATURES MAY BE ROTATED IN ELEVATION VIEW FOR CLARITY.
12. DIMENSIONS INDICATING SEPARATION BETWEEN WEIR FROM ROOF ARE MINIMUMS ONLY. ACTUAL DIMENSIONS MAY BE GREATER TO ACCOMMODATE SLOSH WAVE, AS CALCULATED BY TANK MANUFACTURER.

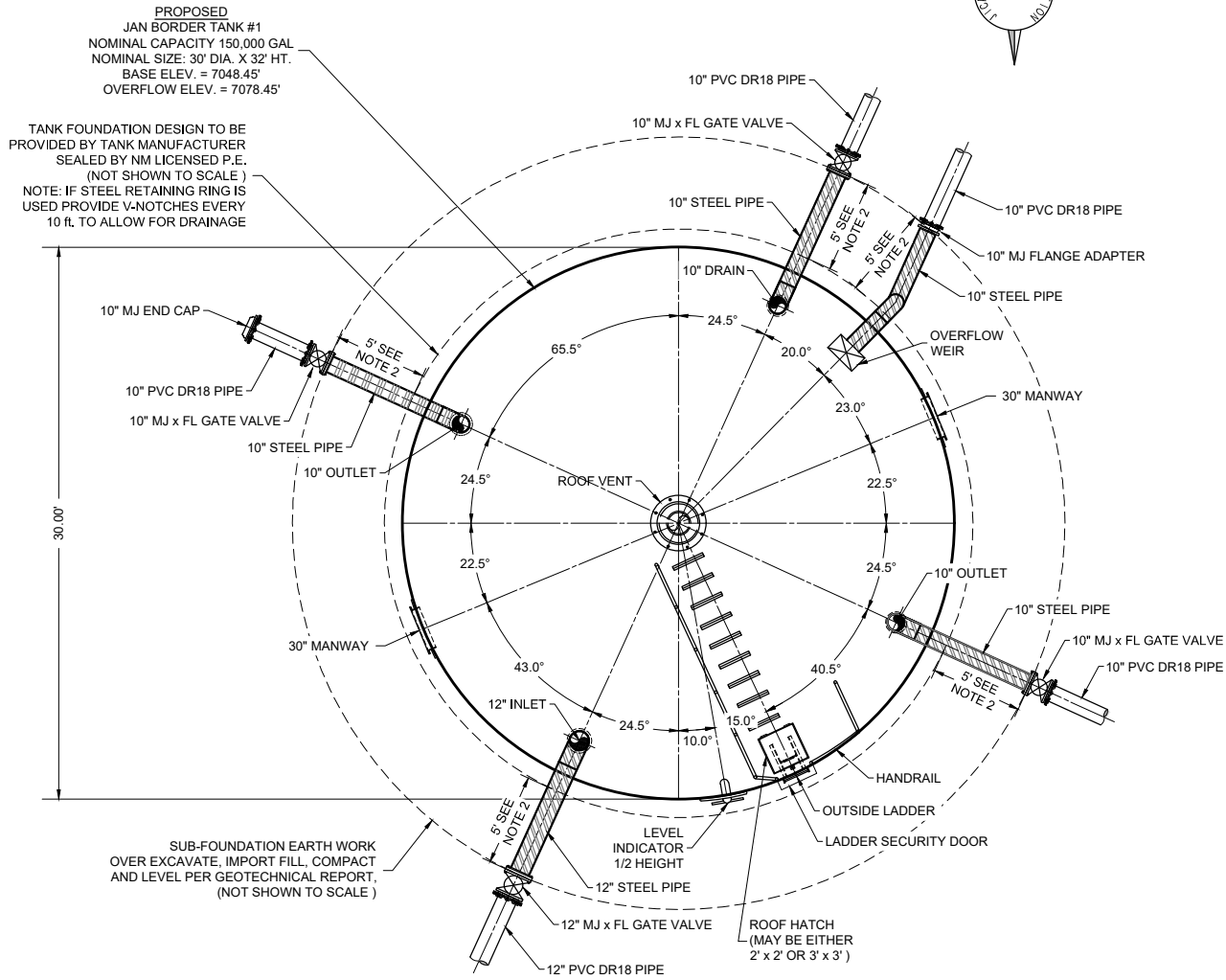
KEYED NOTES
8" TEMPORARY TANK HOOK-UP

Item No.	Description
1	8" PVC PIPE, DR18
2	8" STEEL PIPE, STANDARD WALL
3	8" MJ x MJ 90° ELL, D.I.
4	8" STEEL FLANGE, WELDED
5	8" BLIND FLANGE WITH GASKET
6	8" 90° ELL, STEEL, WELDED (ORIENTATION PER SITE PLANS)
7	MJ x MJ REDUCER, D.I., SIZE PER PLANS
8	PVC PIPE, DR18, SIZE PER PLANS

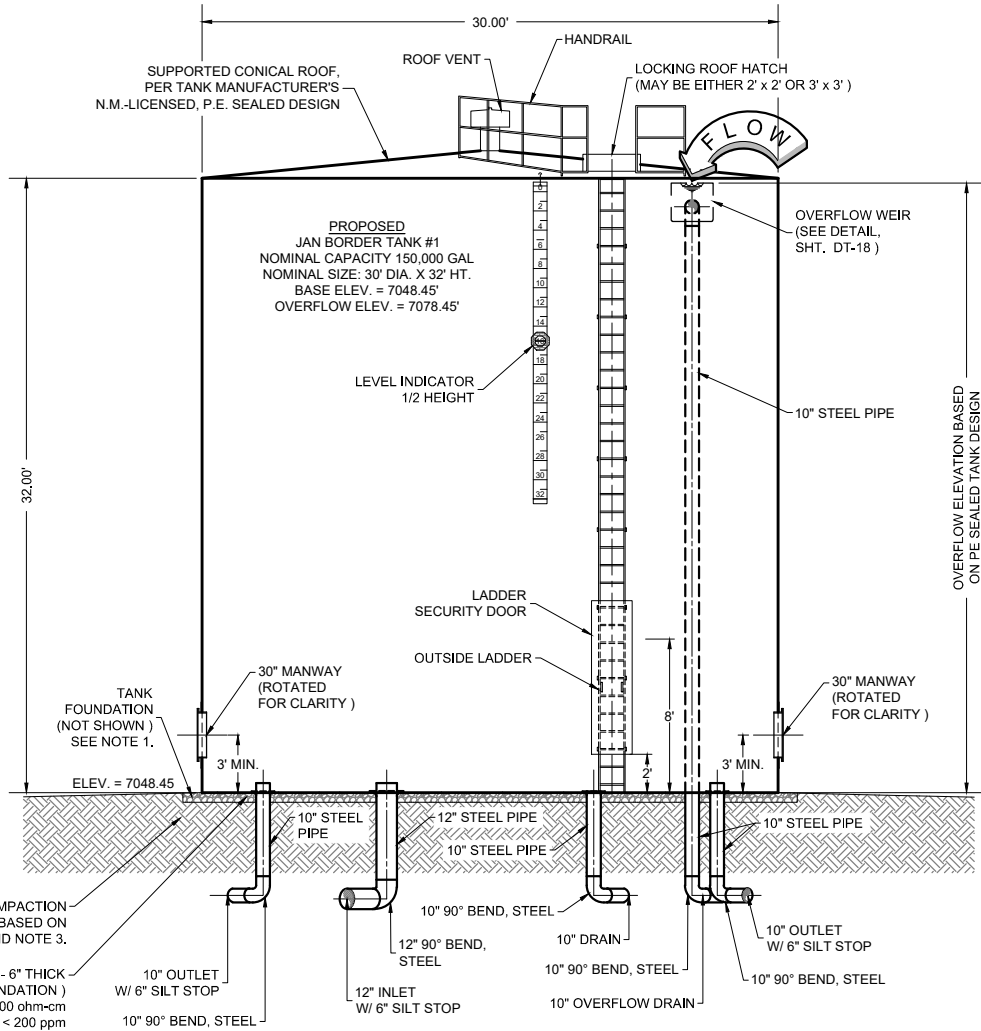
- NOTES:
1. ALL MATERIALS SHALL BE RATED TO AT LEAST 235 psi, UNLESS OTHERWISE NOTED.
 2. ALL STEEL PIPE AND FITTINGS SHALL HAVE INTERIOR MORTAR LINING AND EXTERIOR FBE COATING. ALL BURIED METALLIC PIPE AND FITTINGS SHALL BE TAPE WRAPPED OR POLY-WRAPPED PER SPECIFICATIONS. FLANGES SHALL BE ANSI CLASS 150 (STEEL) OR ANSI CLASS 125 (IRON).
 3. ALL STEEL PIPE AND FITTINGS SHALL BE STANDARD WALL.
 4. VALVE BOX LID AND ALL ABOVE GROUND STEEL COMPONENTS SHALL BE COATED BLUE.



TEMPORARY TANK HOOK-UP DETAIL
NOT TO SCALE



PLAN VIEW



ELEVATION VIEW

JAN BORDER TANK DETAIL



Revision	Date	Description	By	CHKD
1	4/23/20	DESIGN REVISION	AAV	RMB

SOUDER, MILLER & ASSOCIATES
5454 VENICE AVENUE NE, SUITE D
ALBUQUERQUE, NM 87113
Phone (505) 299-0942 Fax (505) 293-3430
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Client: Jicarilla Apache Nation Location: JAN Border to Teepee Junction, NM
TANK AND TEMPORARY TANK HOOK-UP
DETAILS
JICARILLA APACHE NATION
CUTTER INTERTIE
SANDOVAL COUNTY, NEW MEXICO

Designed RMB	Drawn MvH/AaV	Checked TTT
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Date: April 23, 2020
Scale: Horiz:
Vert:

Project No: 6921433

Sheet: DT-17