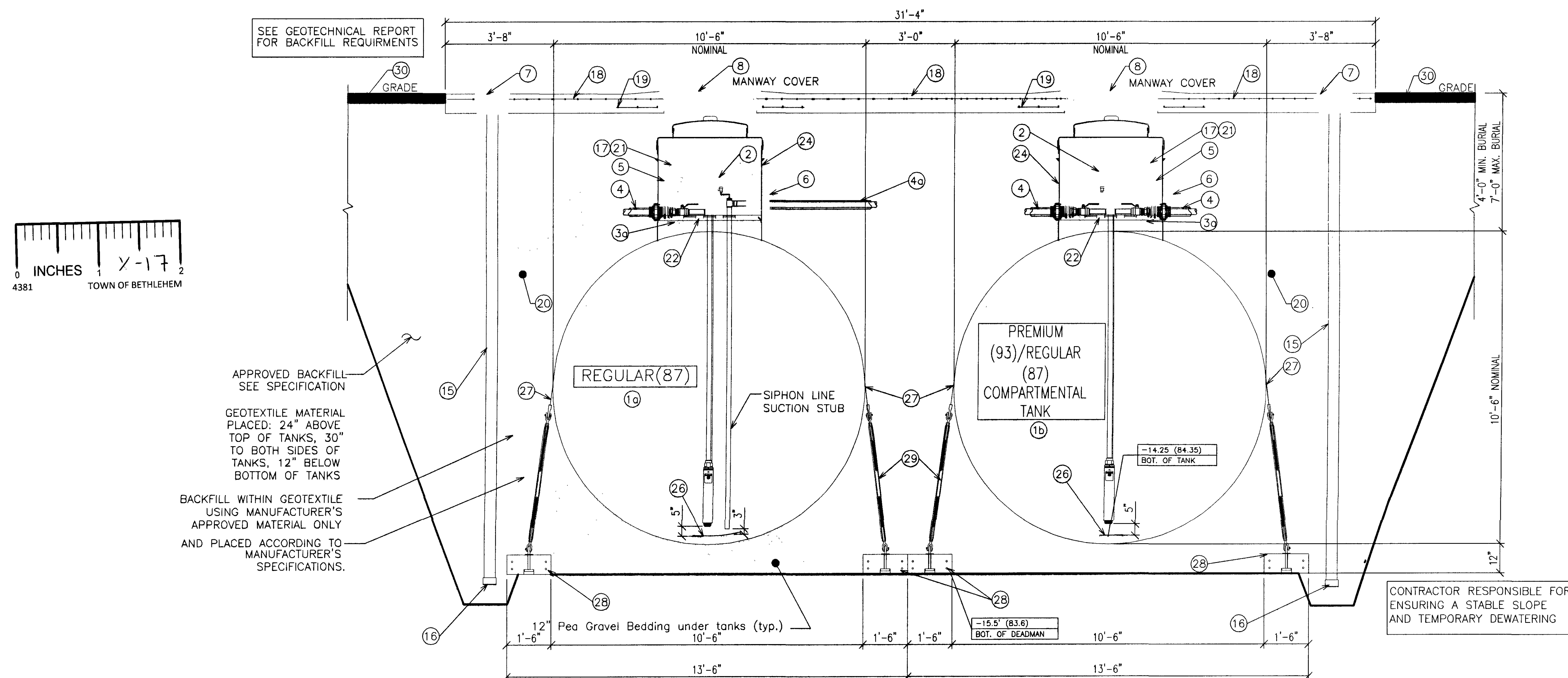


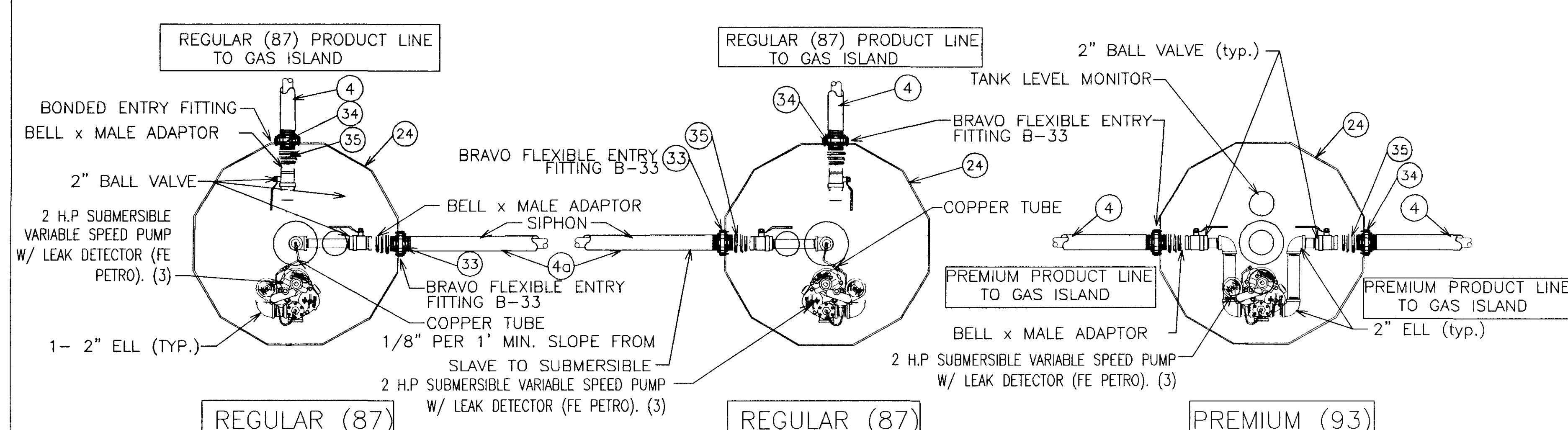
TANK FIELD CROSS SECTION



Scale 3/8"=1'-0"

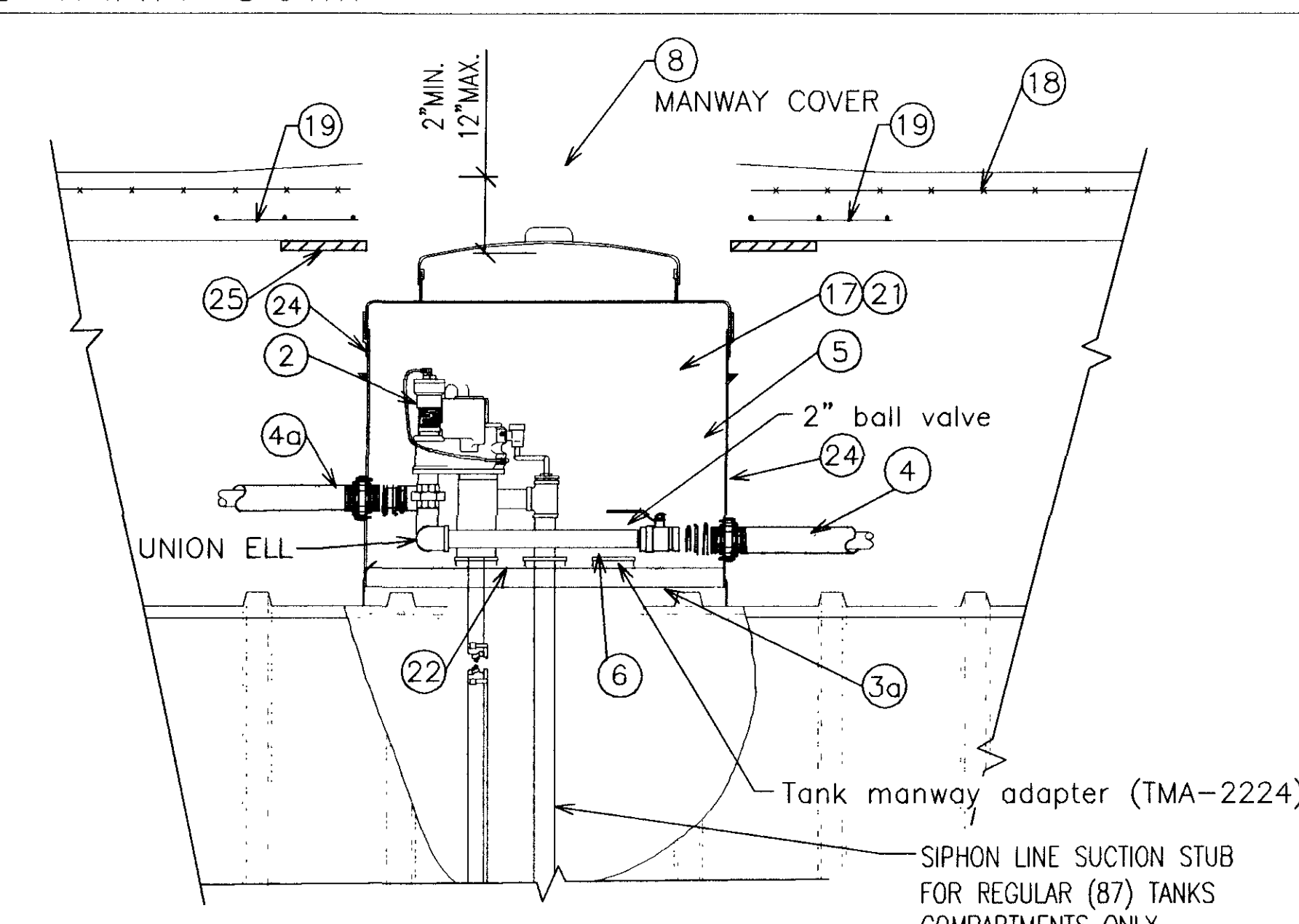
TYPICAL TANK SUMP PLANS

Scale 1/2"=1'-0"



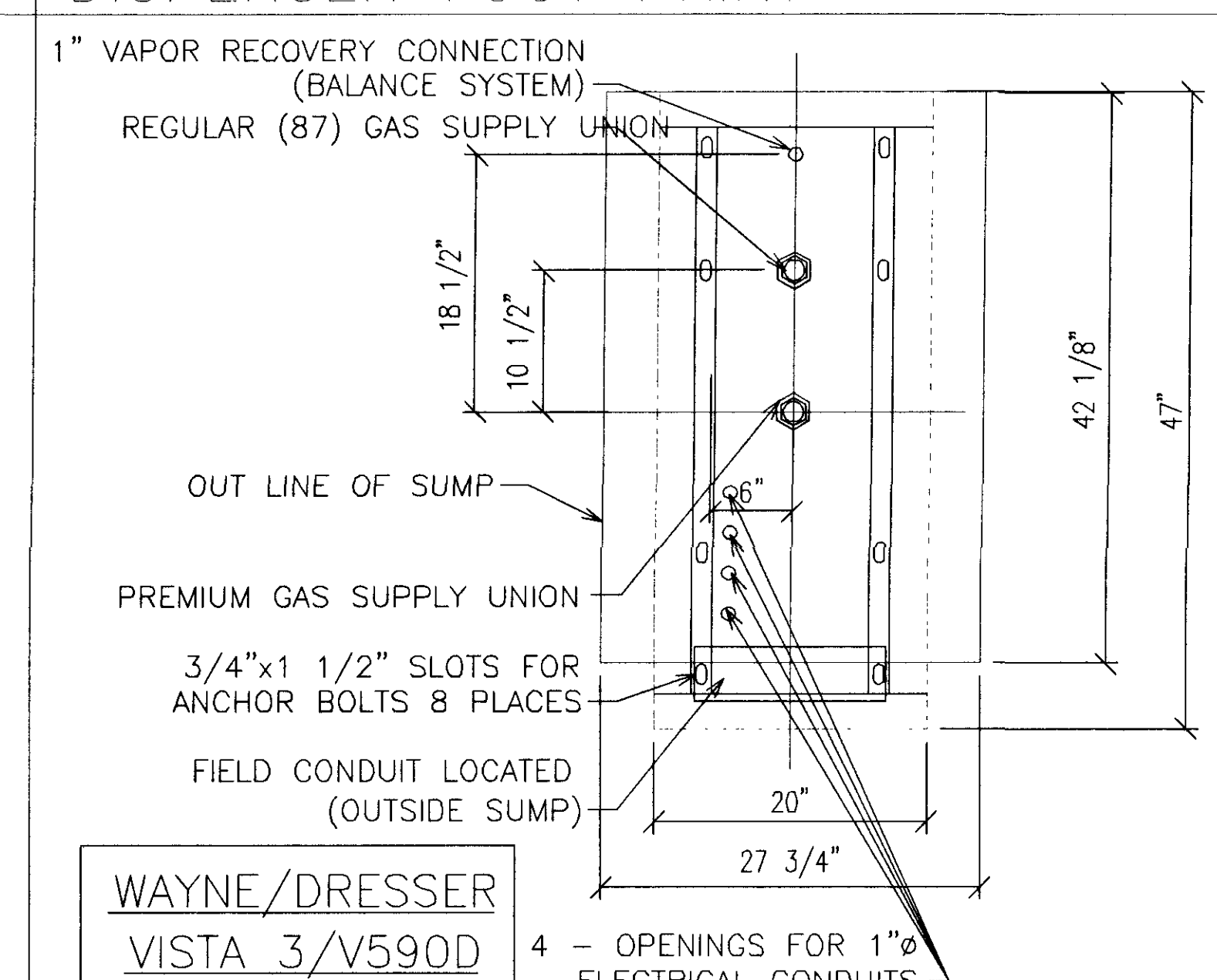
TYPICAL TANK SUMP

Scale 1/2"=1'-0"



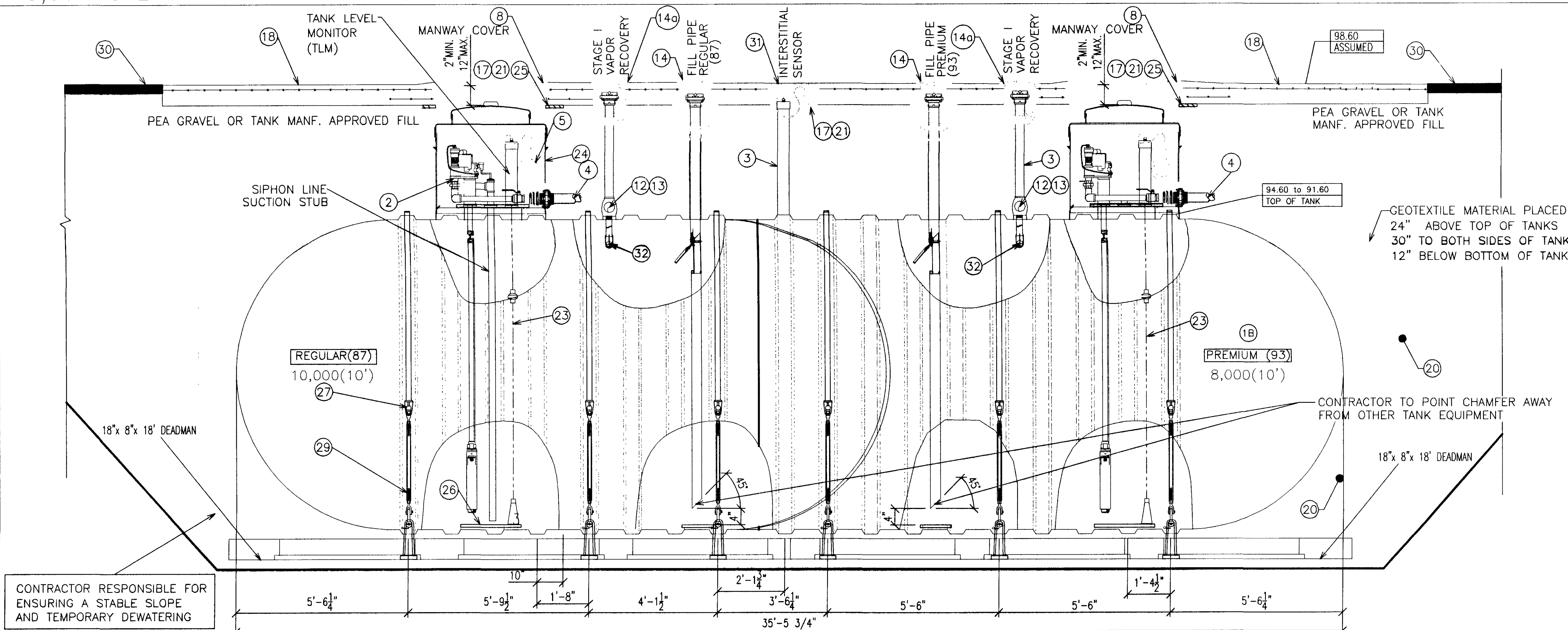
DISPENSER FOOT PRINT

N.T.S.

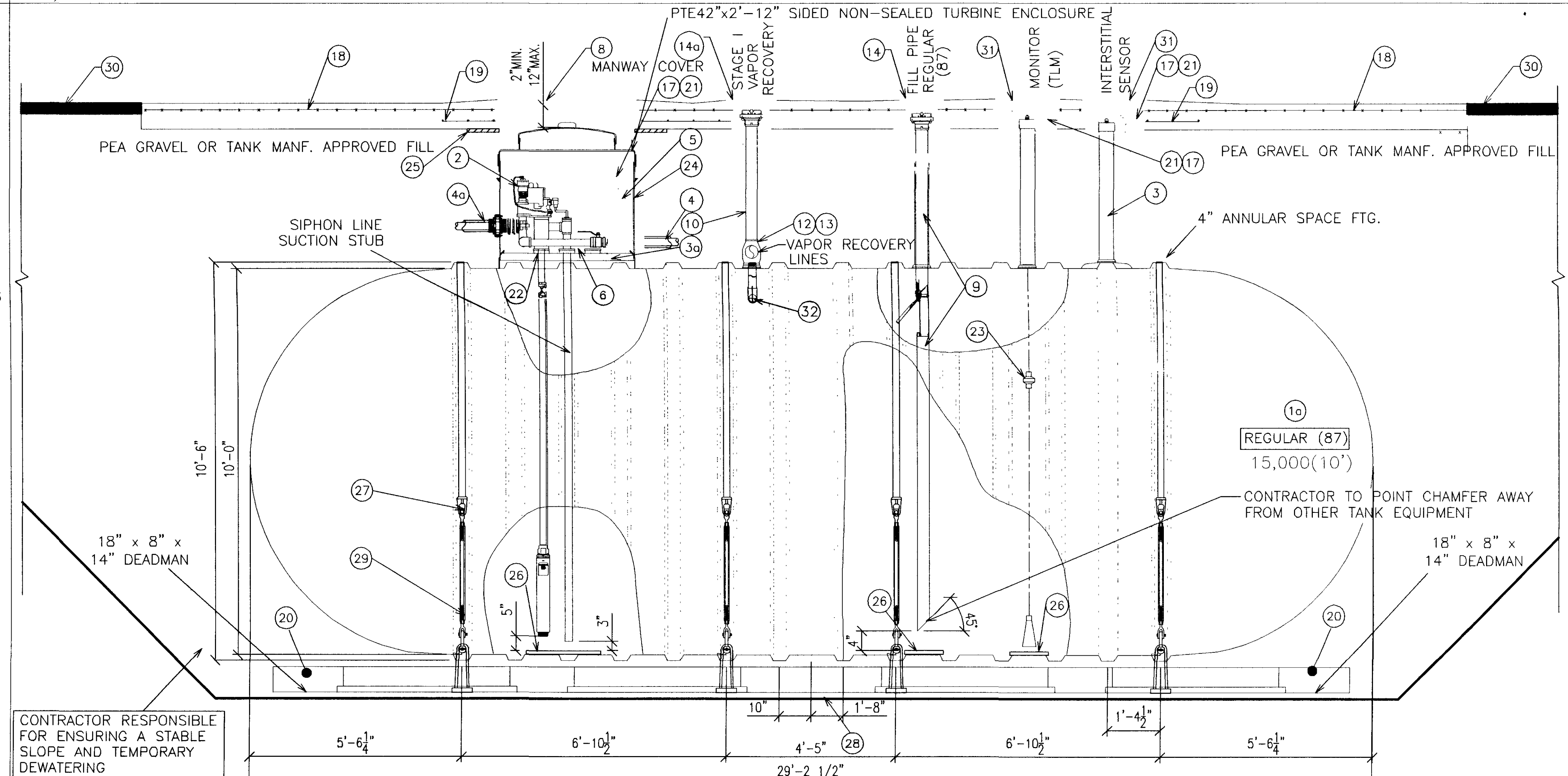


18,000 GAL COMPARTMENTAL TANK ELEVATION

Scale 3/8"=1'-0"



15,000 GAL TANK ELEVATION

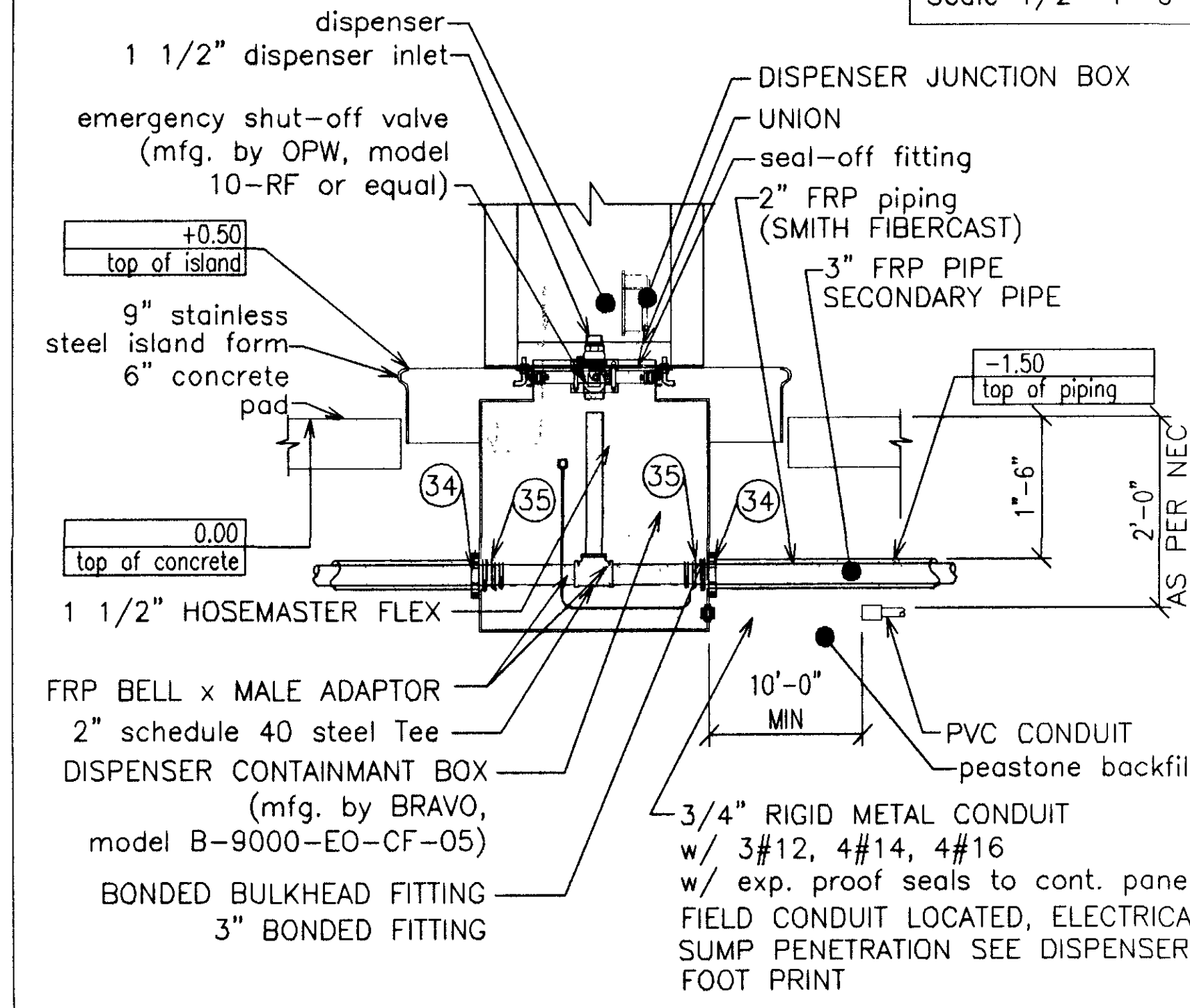


PARTS LEGEND

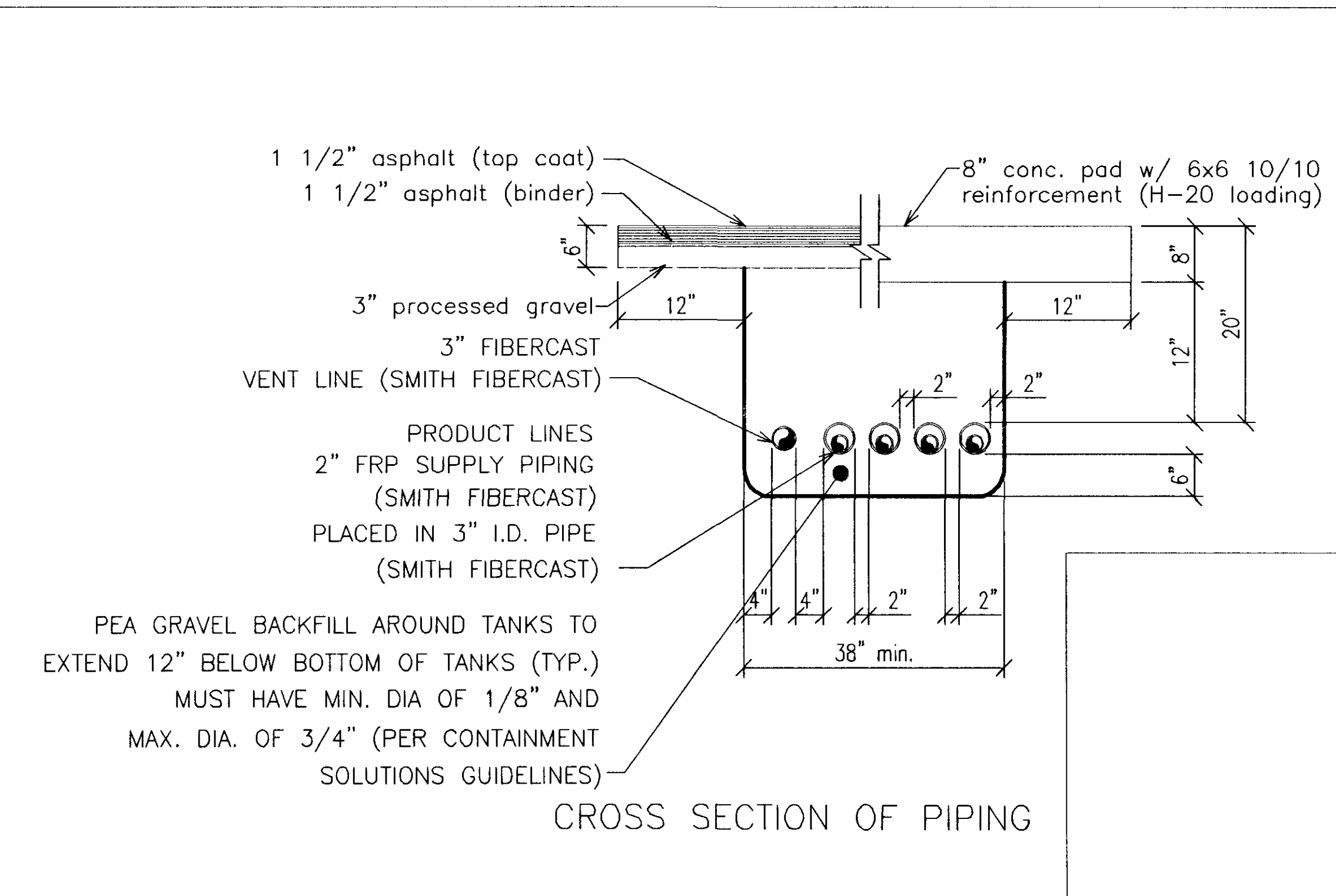
- 15,000 gallon (126" dia. x 29'-2 1/2") double-wall fiberglass underground gasoline storage tank (CONTAINMENT SOLUTIONS)
- 18,000 gallon compartmental (126" dia. x 35'-1 1/4") double-wall fiberglass underground gasoline storage tank (CONTAINMENT SOLUTIONS)
- 2 H.P. submersible pump w/ leak detector "FE PETRO" variable speed pump
- Proposed VEEDER-ROOT TS-350 Interstitial tank monitor, probe #VR794390-XXX (3)
- VEEDER-ROOT STP Sump sensor (VR part #794380-350)
- PRODUCT LINES (1/8" per foot slope min.)
- 2" (SMITH FIBERCAST) frp supply line in a 3" frp line (SMITH FIBERCAST)
- siphon line (1/8" per foot slope min.)
- 2" (SMITH FIBERCAST) frp supply line in a 3" frp line (SMITH FIBERCAST)
- 2" Wire cable supplied w/ probe.
- Electrical Conduit for submersible pump
- 18" dia. cast iron manhole, OPW #104-MW.
- OPW, Conquistador Manway Cover 44CD-RL10
- 4" fill riser w/ OPW 61-T-4" drop tube w/OPW61SA-1000 swivel adaptor, and 634-TT-4" tight fill cap
- 4" extractor tube w/ 233-MSD-2422 valve extractor assembly (OPW 61 VSA adaptor w/ OPW 1711-T-3" cap)
- 3" single-wall fiberglass stage I vapor recovery line. (SMITH)
- 3" single-wall fiberglass vent line. (SMITH)
- Fill sealable cover Spill container by "EBW" model 715-470-01
- Vapor recovery stage I sealable cover Spill container manufactured by "EBW" model 705-458-01
- 4" slotted P.V.C. pipe observation well. (1 @ each corner of tank installation (4 required))
- cap each observation well.
- Epoxy seal per NFPA specs.
- 8" thick conc. pad w/ 6 x 6 10/10 wire reinforcement. (H-20 loading)
- #5 rebars @ 8" o.c.e.w. (typ.)
- Pea gravel backfill around tanks to extend 12" below bottom of tanks (typ.) must have min. dia. of 1/8" and max. dia. of 3/4" (per CONTAINMENT SOLUTIONS guidelines)
- Weatherproof junction box w/ NPT studs (16" cu. in.)
- 22" manway manufactured by CONTAINMENT SOLUTIONS
- Inventory probe to bottom of tank #VR847390-147
- 42" containment collar w/ turbine enclosure (CONTAINMENT SOLUTIONS SW-PIE-WT-42)
- 1" thick compressible foam board (typ.)
- 10 ga. steel wear plate
- Hold down straps by tank manufacturer.
- Containment Solutions precast Concrete deadman
- 3/4" galvanized turnbuckle assembly w/ hook ends (TB-3418)
- Asphalt Pavement
- FAIRFIELD STANDARD (18") MANHOLE (180-8)
- Ball valve 30MV-3875
- Bravo B-33-BR 3"x 2" T
- Smith bonded 3" entry fitting
- Bravo test boot BR-3" x 2" - T

TYPICAL DISPENSER SUMP DETAILS

Scale 1/2"=1'-0"



TYPICAL TRENCH DETAILS



Scale 1/2"=1'-0"

TYPICAL PIPING TEST

- PIPING MANUFACTURER'S TEST REQUIREMENTS, PER SMITH FIBERCAST INSTALLATION INSTRUCTIONS FOR DW AND SW FRP FILL LINES.
1. TEST ENTIRE PRIMARY SYSTEM (HARD WALL) AT 50 P.S.I.
 2. CONTINUE TO MAINTAIN 50 P.S.I. FOR A PERIOD OF ONE (1) HOUR
 3. TEST ENTIRE SECONDARY PIPING SYSTEM (HARD WALL) AT 5 P.S.I.
 4. CONTINUE TO MAINTAIN 5 P.S.I. FOR A PERIOD OF ONE (1) HOUR
 5. UPON COMPLETION OF INSTALLATION, ENTIRE UNDERGROUND SYSTEM WILL BE PRECISION TESTED BY A LICENSED THIRD PARTY

TYPICAL SIPHON TRENCH DETAILS

Scale 1/2"=1'-0"

