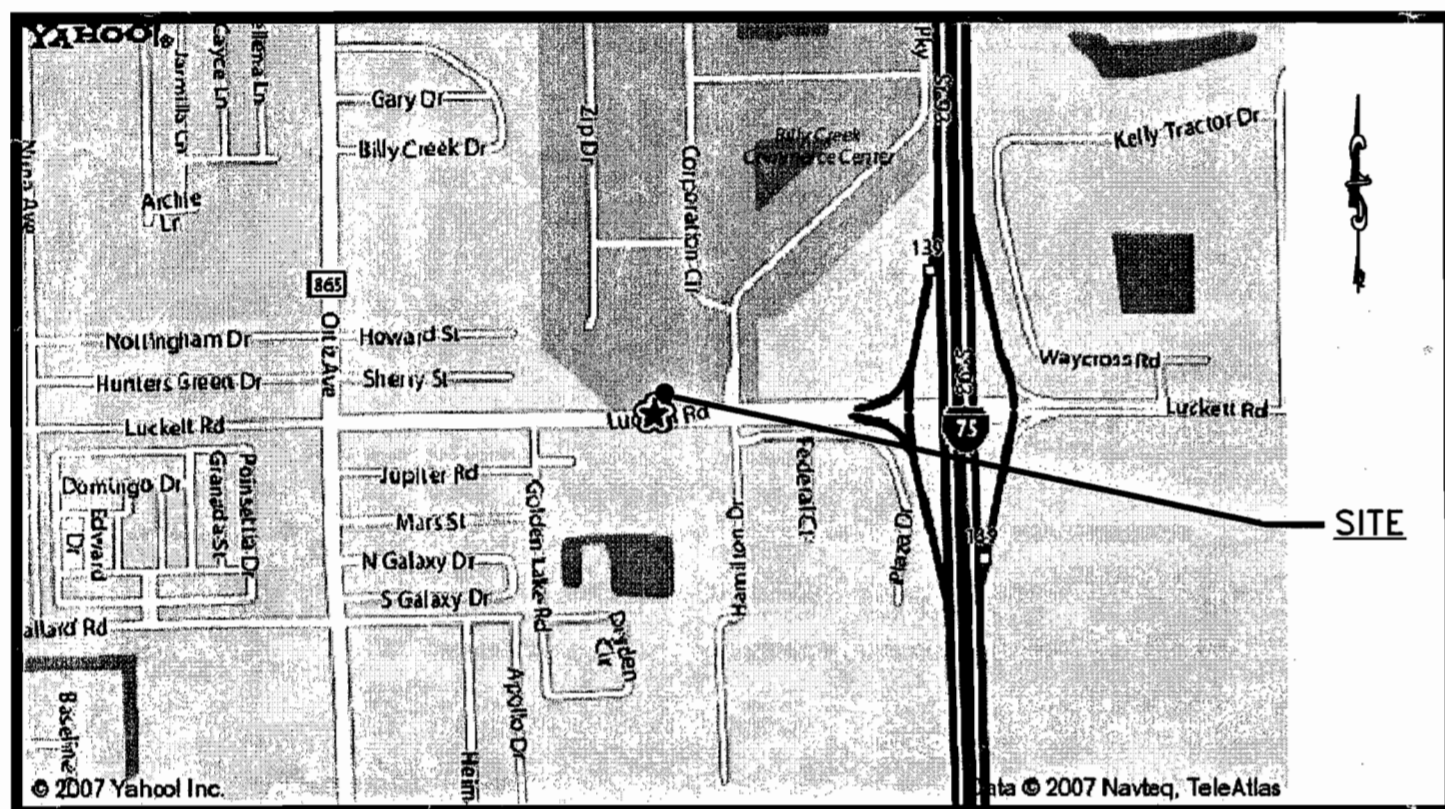


INDEX OF DRAWINGS			
PE01	1	PETROLEUM SYSTEM INSTALLATION PLAN, SCOPE AND SPECIFICATIONS	
PE02	2	UST INSTALLATION AND RISER DETAILS	
PE03	3	CONCRETE SLAB, DISPENSER AREA AND PIPING DETAILS	
PE04	4	UST ANCHORING DETAILS AND FLOTATION CALCULATIONS	

**LOCATION MAP**



**GENERAL NOTES:**

- CONTRACTOR SHALL CONDUCT ALL WORK IN ACCORDANCE WITH APPLICABLE CITY AND COUNTY CODES AND REGULATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS FOR COMPLETION OF THE PROPOSED WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL APPLICABLE UTILITY CLEARANCES USING PROPER NOTIFICATION PERIODS PRIOR TO CONDUCTING TRENCHING OR EXCAVATION ACTIVITIES.
- EXISTING SITE PLAN ELEMENTS SHOWN HEREIN HAVE BEEN BASED ON A SURVEY PROVIDED BY CROSSTOWN SURVEYORS.
- CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS & PROPERTY BOUNDARIES PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL VERIFY PROPOSED GASOLINE IMAGING WITH OWNER PRIOR TO CONSTRUCTION. DISPENSER AREA AND CANOPY LAYOUT MAY VARY BASED ON IMAGING CRITERIA.
- CONTRACTOR SHALL INSTALL ALL ELECTRICAL IN ACCORDANCE WITH NFPA 70 "NATIONAL ELECTRICAL CODE" AND SPECIFICALLY CHAPTER 5 ARTICLE 514 (LATEST EDITION).

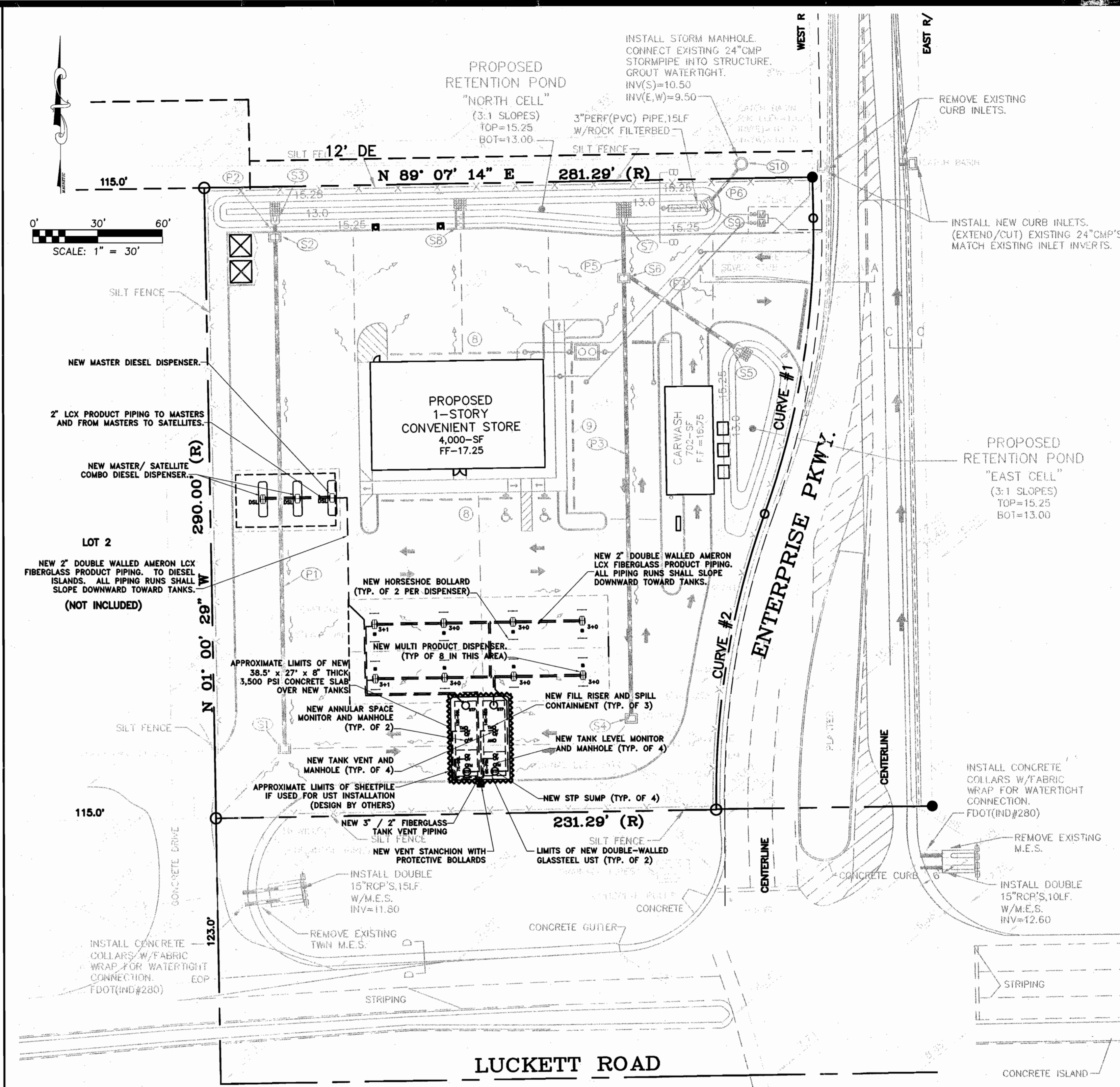
**SCOPE OF WORK**

CONTRACT TO: FURNISH NECESSARY PERMITS, LABOR, MACHINERY AND MATERIALS TO PERFORM THE FOLLOWING SCOPE OF WORK:

- FURNISH AND INSTALL SHEET PILING AND DEWATERING SYSTEM IF NECESSARY. IF STRIPPER TOWER IS REQUIRED, THIS WORK WILL BE PERFORMED AT COST TO NORRIS & SAMON PLUS 15%.
- EXCAVATE AND INSTALL TWO (2) 20,000-GALLON OWNER FURNISHED DOUBLE WALL FIBERGLASS COATED STEEL FUEL TANKS (ONE OF WHICH IS A 14,000-GALLON/6,000-GALLON SPLIT TANK AND THE OTHER IS SPLIT 13,000-GALLON/7,000-GALLON) WITH THE FOLLOWING RELATED EQUIPMENT:
  - FOUR (4) PETROLEUM CONTAINMENT FIBERGLASS TANK SUMPS
  - FOUR (4) 2" FLEX CONNECTORS WITH BALL VALVES
  - FOUR (4) DOUBLE WALL OVERFILL BUCKETS WITH DROP TUBES
  - FOUR (4) 2HP FE PETRO STP's WITH LEAK DETECTOR AND CONTROL BOXES
- FURNISH ALL NECESSARY 2" AMERON DOUBLE WALL LCX HARD PIPE. ALL BACKFILL TO BE CLEAN SAND.
- FURNISH AND INSTALL ELEVEN (11) OPW FIBERGLASS DISPENSER LINERS, 23 1.5" FLEX CONNECTORS AND 23 SHEAR VALVES.
- FURNISH ELEVEN CANOPY FOOTERS. (DESIGN BY OTHERS)
- FURNISH AND INSTALL ONE (1) INCON LS1000 WITH PRINTER, FOUR (4) MAG PROBES, FOUR (4) TANK SUMP SENSORS, TWO (2) INTERSTITIAL SENSORS.
- NORRIS & SAMON WILL START UP SYSTEM AND CALIBRATE.

**2 Business Days Before You Dig CALL 1-800-432-4770 ITS THE LAW**

**STRAP #: 10-44-25-01-00000.0030**



**1** PETROLEUM SYSTEM INSTALLATION PLAN  
SCALE: 1" = 30'

**SPECIFICATIONS:**

- 1.0 TANK AND PIPE TESTING:**
- THE CONTRACTOR SHALL NOTIFY OWNER A MINIMUM OF TWO WORKING DAYS IN ADVANCE OF SCHEDULED AIR TESTING IN ORDER THAT THE ENGINEER OR HIS/HER DESIGNATED REPRESENTATIVE MAY BE PRESENT DURING TESTING.
  - THE CONTRACTOR SHALL TEST ALL PRIMARY PRODUCT AND VENT LINES AT 50 PSI OF AIR PRESSURE OR AS REQUIRED BY LOCAL OR STATE INSPECTION AGENCIES PRIOR TO PLACEMENT OF ANY BACKFILL MATERIAL.
  - THE CONTRACTOR SHALL USE A SOAP SOLUTION TO TEST LINES AND JOINTS FOR LEAKAGE. THE 50 PSI OF AIR PRESSURE SHALL REMAIN ON ALL PRODUCT LINES DUE ENTIRE CONSTRUCTION OF THE PROJECT.
  - THE CONTRACTOR SHALL MONITOR THE PRESSURE ON ALL LINES DURING CONSTRUCTION TO ENSURE DAMAGE HAS NOT OCCURRED TO ANY UNDERGROUND PIPING DURING THE PERFORMANCE OF WORK BY THE CONTRACTOR OR HIS/HER SUB-CONTRACTORS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPORT ANY LOSS OF AIR PRESSURE IMMEDIATELY TO OWNER.
  - IN THE EVENT A PRESSURE LEAK IS DISCOVERED IN AN UNDERGROUND LINE, ALL WORK SHALL CEASE UNTIL THE NATURE AND THE CAUSE OF THE PROBLEM HAS BEEN DETERMINED AND CORRECTED. ANY REPAIR OR REPLACEMENT SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. THE REPAIRED/REPLACED LINE SHALL BE RETESTED AT 50 PSI AIR PRESSURE AND DETERMINED TO BE HOLDING 50 PSI OF AIR PRESSURE PRIOR TO ANY BACKFILL MATERIAL BEING PLACED IN THIS AREA.
  - AIR PRESSURE SHALL NOT BE REMOVED FROM ANY UNDERGROUND LINES UNTIL AFTER PAVING OVER THE TANK AREA AND THE PIPE LINE TRENCHES IS IN PLACE.

- 2.0 PIPING:**
- ALL PIPE, FIBERGLASS FITTINGS, RISERS, ETC. SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
  - THE INTERIOR SURFACE OF ALL PIPING AND FITTINGS SHALL BE MADE FREE OF DIRT, GREASE, SCALE, FIBERGLASS PARTICLES, ETC. BEFORE INSTALLING. INSTALLATION OF ALL PIPE AND/OR FITTINGS SHALL BE MADE IN COMPLETE ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AS WELL AS OWNER'S PLANS AND SPECIFICATIONS.
  - PRODUCT PIPING SHALL BE INSTALLED SO AS TO SLOPE UPWARD CONTINUOUSLY FROM TANK RISERS A MINIMUM OF 1/8" PER FOOT. VENT PIPING SHALL SLOPE 1/8" PER FOOT MINIMUM CONTINUOUSLY FROM TANK TO RISER (1/4" PER FOOT PREFERABLE). TRAPS OR SAGS SHALL NOT BE PERMITTED IN ANY PRODUCT OR VENT PIPING.
  - PIPING SHALL BE PLACED ON A PREPARED BED (6" MINIMUM BACKFILL MATERIAL) IN SUCH A MANNER AS TO MINIMIZE POINTS AT WHICH ONE PIPE MAY CROSS OVER ANOTHER PIPE AND SHALL NOT BE SUPPORTED WITH FOREIGN OBJECTS SUCH AS WOOD, BRICK BLOCS, PIPE, ETC. AT POINTS WHERE PIPES MUST CROSS. A MINIMUM OF TWICE THE NOMINAL PIPE DIAMETER MUST SEPARATE THE PIPES. PARALLEL PIPING SHALL BE SEPARATED BY A MINIMUM DISTANCE OF TWICE THE PIPE DIAMETER.
- 3.0 HYDROSTATIC TESTING:**
- AFTER ALL PAVING IS IN PLACE, PRIOR TO FINAL CHECK-OUT AND START-UP, THE CONTRACTOR SHALL PERFORM A "HYDROSTATIC PRECISION TIGHTNESS" TEST ON ALL TANKS AND PRODUCT LINES.
  - THE PRESSURE FOR THE TEST SHALL BE 1.2 TIMES THE OPERATING PRESSURE FOR THE PRODUCT LINES WITH AN ALLOWABLE TOLERANCE OF .010 GALLONS PER HOUR.

- REMOVE LEAK DETECTORS PRIOR TO PRESSURIZING LINES AND REPLACE PRIOR TO START-UP. AFTER REPLACEMENT LEAK DETECTORS SHALL BE TESTED TO INSURE THEY ARE OPERATING IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  - THE FINAL "PRECISION TANK TIGHTNESS" TEST SHALL BE PERFORMED BY AN INDEPENDENT TANK TESTING FIRM OF THE CONTRACTOR'S CHOICE, BUT MUST BE APPROVED BY OWNER. A MINIMUM TWO WORKING DAYS NOTICE SHALL BE GIVEN TO OWNER PRIOR TO THE SCHEDULED TESTING. THE OWNER OR HIS/HER DESIGNATEE SHALL OBSERVE THE TESTING.
- 4.0 DISPENSER CHECK-OUT:**
- DISPENSERS SHALL ONLY BE ACTIVATED IN THE PRESENCE OF AN AUTHORIZED DISPENSER REPRESENTATIVE AND THE OWNER. THE CONTRACTOR SHALL HAVE THE SOLE RESPONSIBILITY OF ANY DAMAGE TO THE DISPENSER(S) IF THIS INSTRUCTION IS NOT FOLLOWED.
- TO PURGE LINES, ACTIVATE DISPENSER BY TURNING OPERATING HANDLE "ON" FOR THE MOST REMOTE STP. BUT DO NOT OPEN NOZZLE. ALL STP'S TO REMAIN ON WITHOUT OPERATING NOZZLES FOR FIVE MINUTES. INSPECT THE CONNECTIONS UNDER EACH DISPENSER AND AT THE STP UNION FOR LEAKS. DEACTIVATE DISPENSER AND OPEN EACH NOZZLE. BEGINNING WITH THE NOZZLE MOST REMOVED FROM THE STP AND WORKING BACK IN SEQUENCE, DELIVER 200 GALLONS OF PRODUCT, OR ENOUGH TO ENSURE ALL AIR IS REMOVED FROM PRODUCT LINES, THROUGH EACH NOZZLE.
- 5.0 DISPENSER SYSTEM ELECTRICAL CHECK-OUT:**
- TURN OFF CIRCUIT BREAKERS CONTROLLING STP'S.
  - CONFIRM ALL NOZZLES ARE IN BOOT.

- TURN ON CIRCUIT BREAKER OR SWITCH CONTROLLING ONE STP, ONE HOSE AT A TIME, FOR PRODUCT GRADE MATCHING STP. PERFORM THE FOLLOWING:
  - REMOVE NOZZLE
  - TURN OPERATING HANDLE "ON" AND DISPENSE PRODUCT TO CONFIRM HOSE IS PRESSURIZED.
  - VERIFY THAT ONLY THE CORRECT STP TURNS ON.
  - VERIFY THAT GRADE LEVELS ON EACH SIDE OF THE DISPENSER ARE THE SAME.
  - REPEAT THE ABOVE STEPS FOR EACH PRODUCT GRADE.
 REPEAT THE ABOVE PROCEDURE FOR EACH HOSE POSITION.
- IF MISCONNECTING OR OTHER PROBLEMS ARE DETECTED USING THE ABOVE PROCEDURE, CORRECTIONS OR REPAIRS ARE TO BE MADE AND ENTIRE SYSTEM CHECK OUT IS TO BE REPEATED.

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Frederick A. Biecha, P.E.  
FL. Reg. #50701

Date

**PETROLEUM INSTALLATION PLAN, SCOPE AND SPECIFICATIONS**

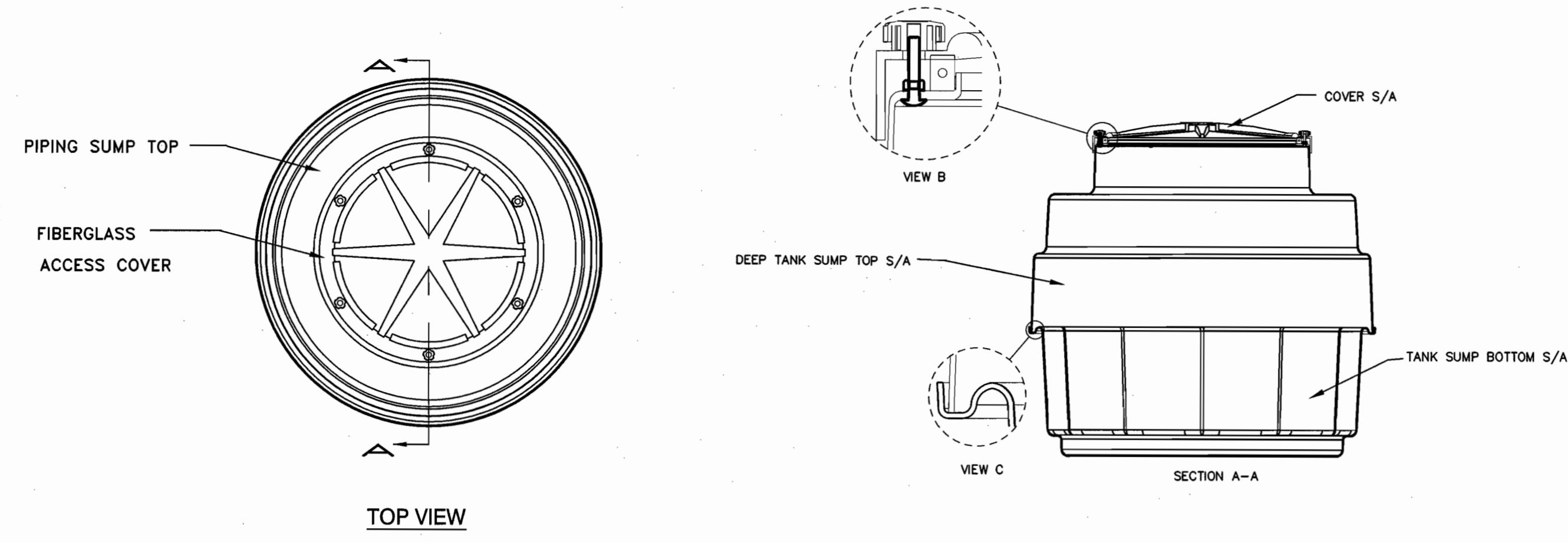
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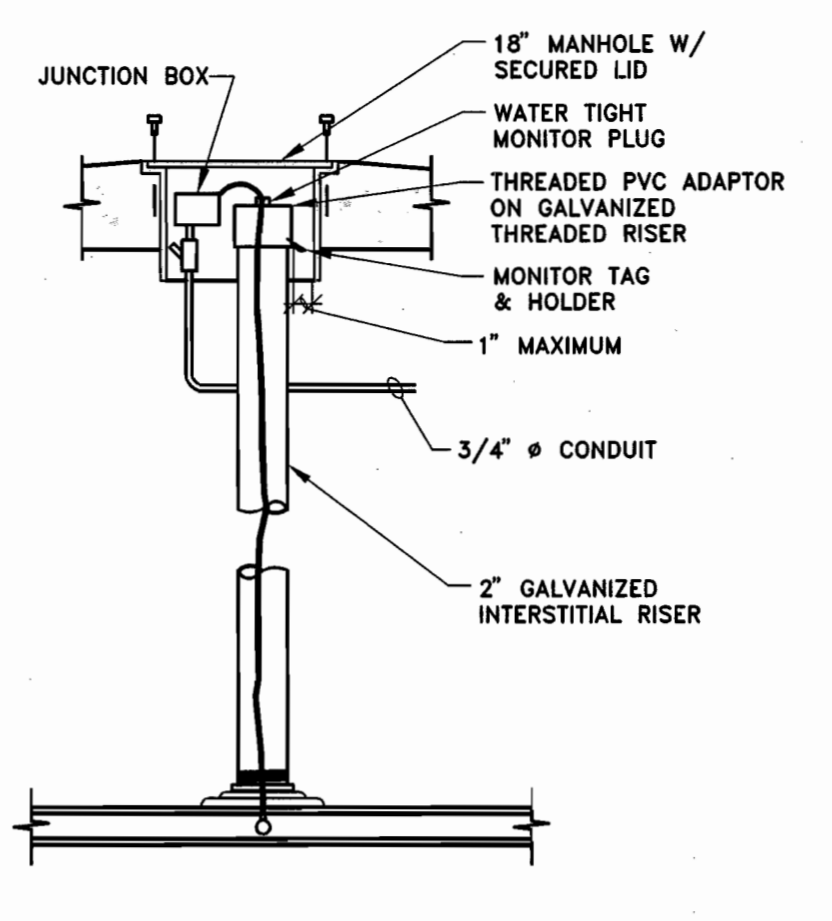
REV.	DATE	BY	COMMENTS
0	09/05/07	RMH	ISSUE FOR CLIENT REVIEW

PROJECT #: 130-054  
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APPROVED: FAB  
DATE: 09/05/07  
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SHEET: 1

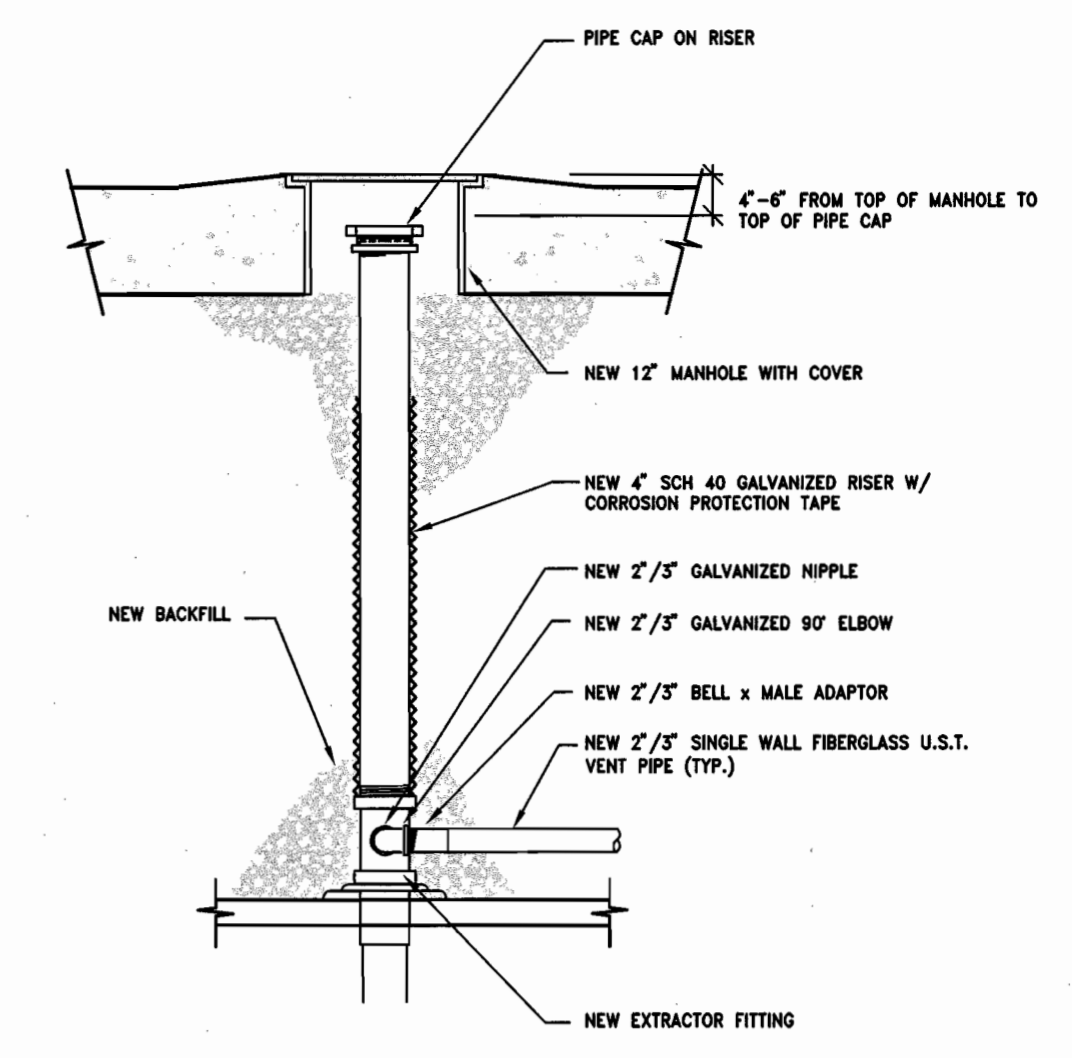
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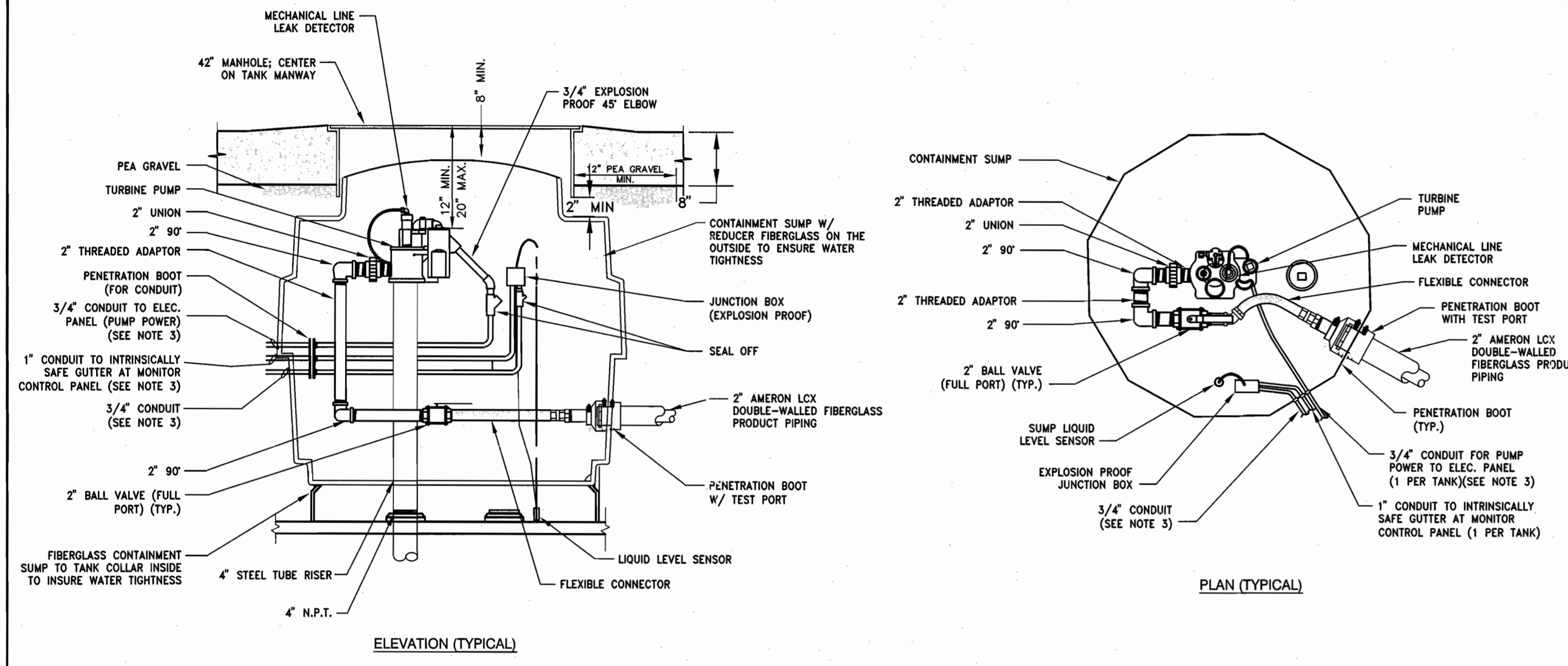
**5** FIBERGLASS STP SUMP DIMENSIONAL PLAN  
NO SCALE



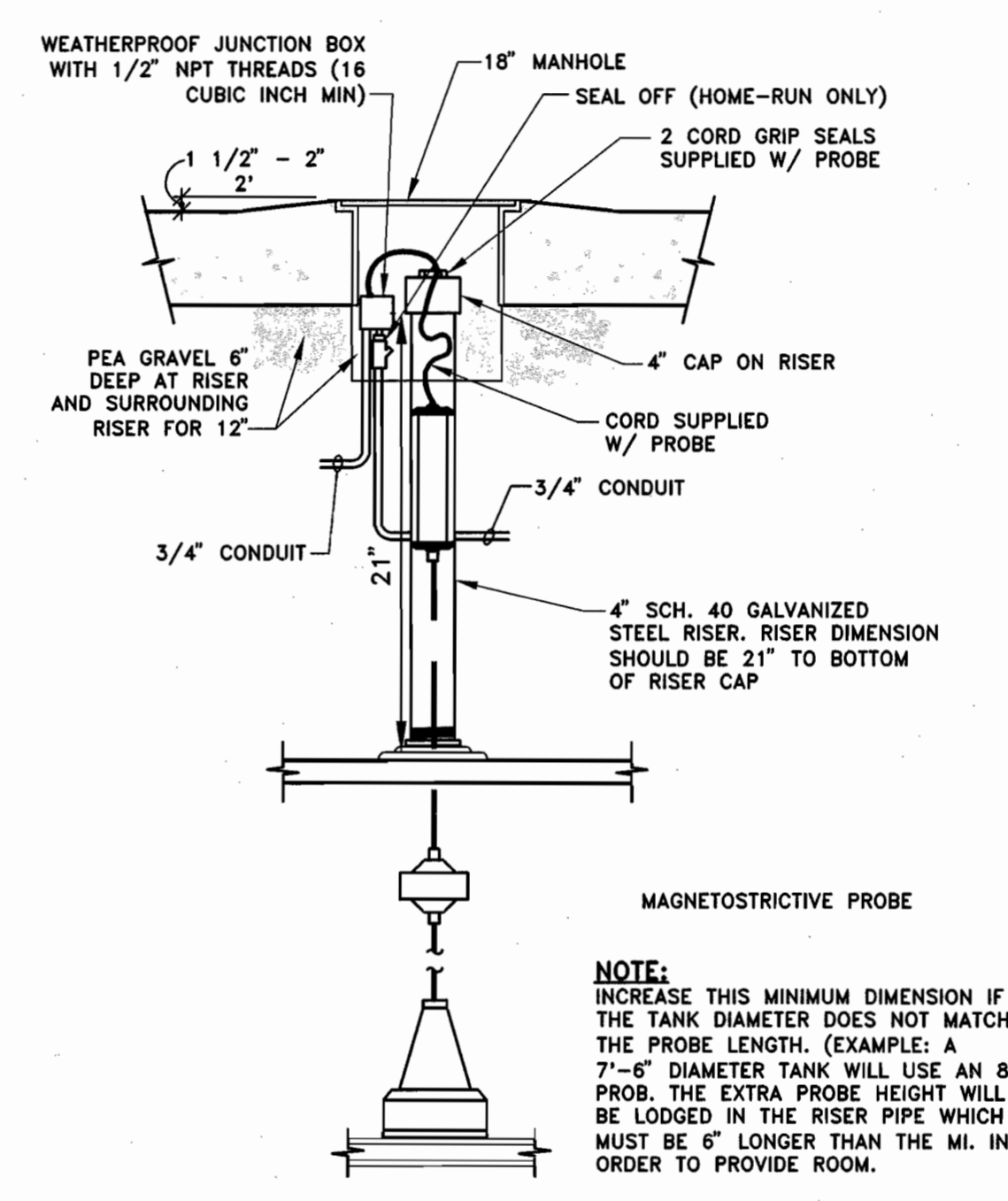
**3** ANNULAR SPACE MONITOR  
NTS



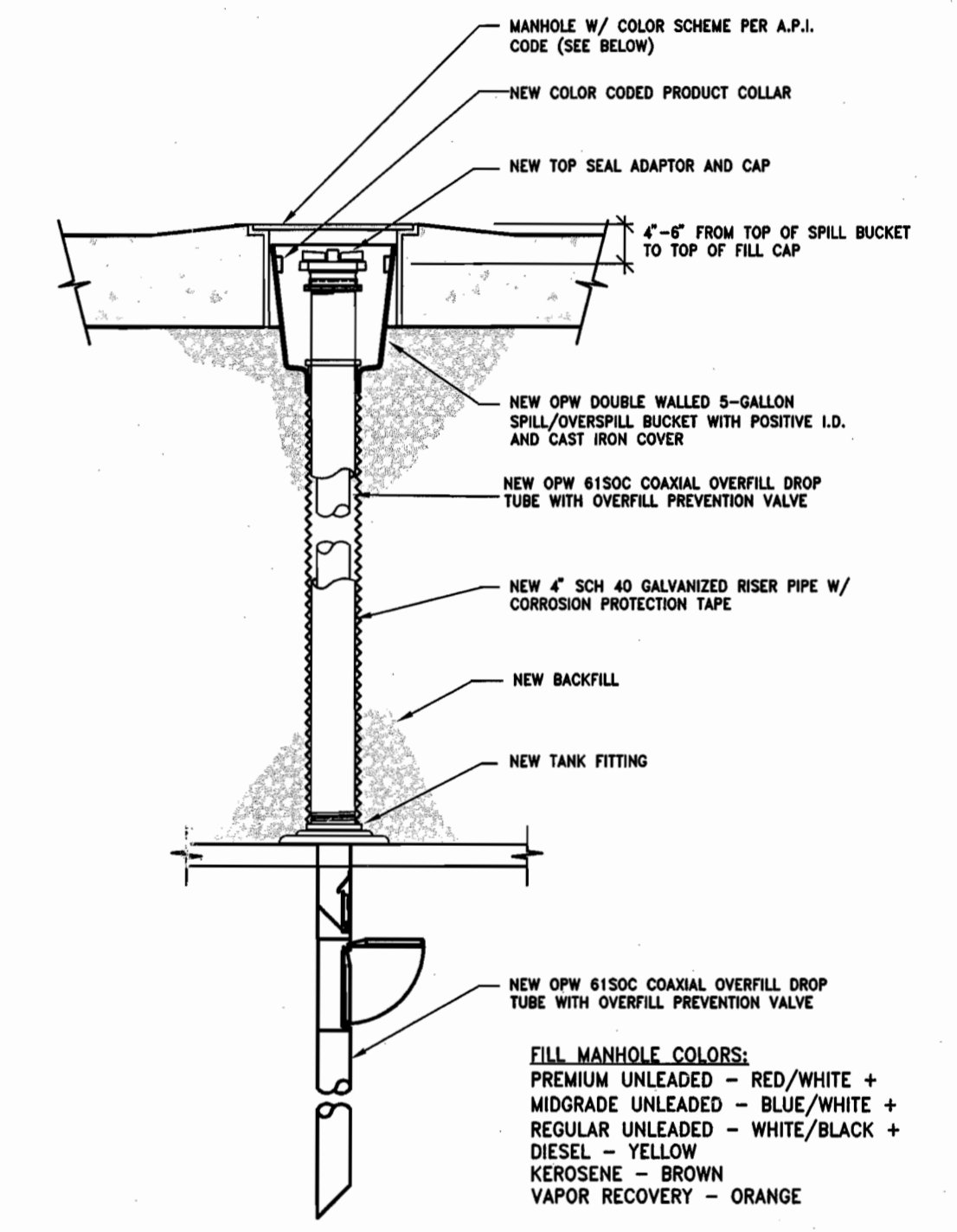
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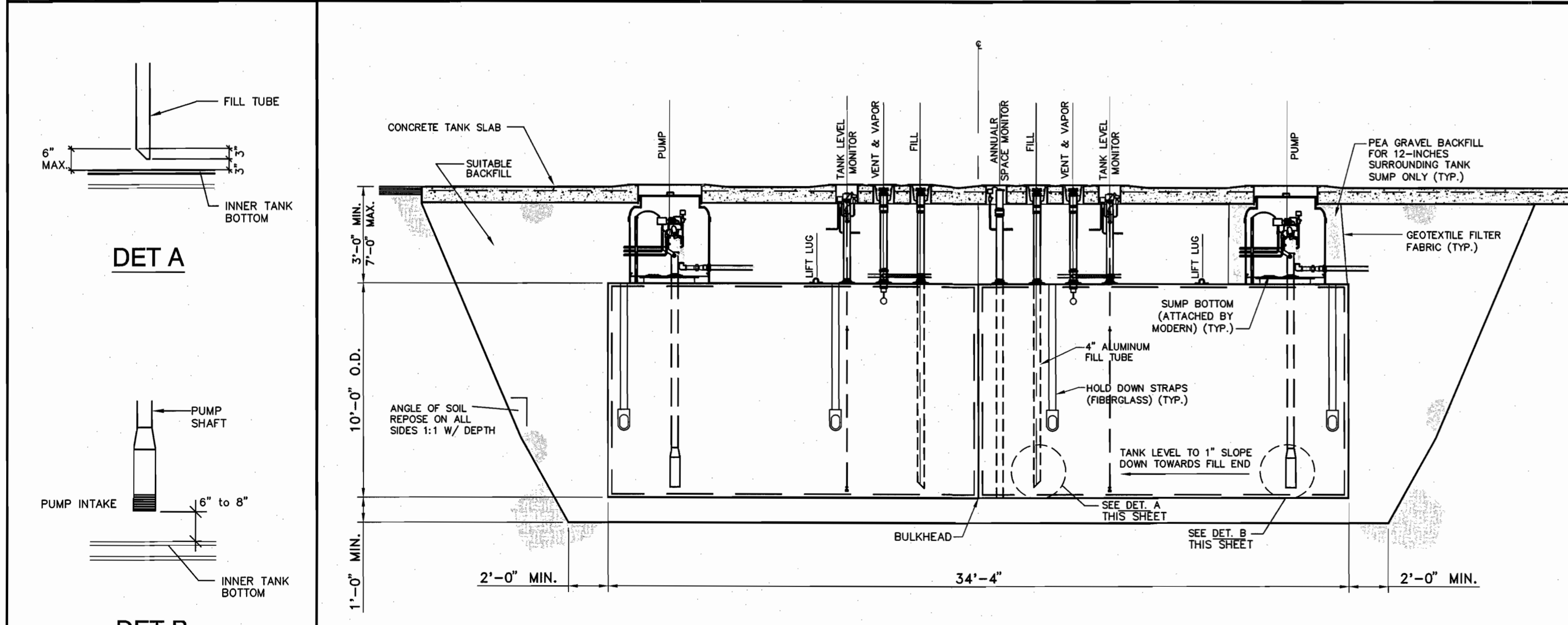
**6** SUBMERSIBLE TURBINE PUMP (STP) AND SUMP DETAIL  
NO SCALE



**4** AUTOMATIC TANK LEVEL MONITOR  
NTS



**2** FILL DETAIL  
NTS



**7** 10' DIA. 20,000 GAL. GLASTEEL TANK AND EXCAVATION SECTION  
NO SCALE

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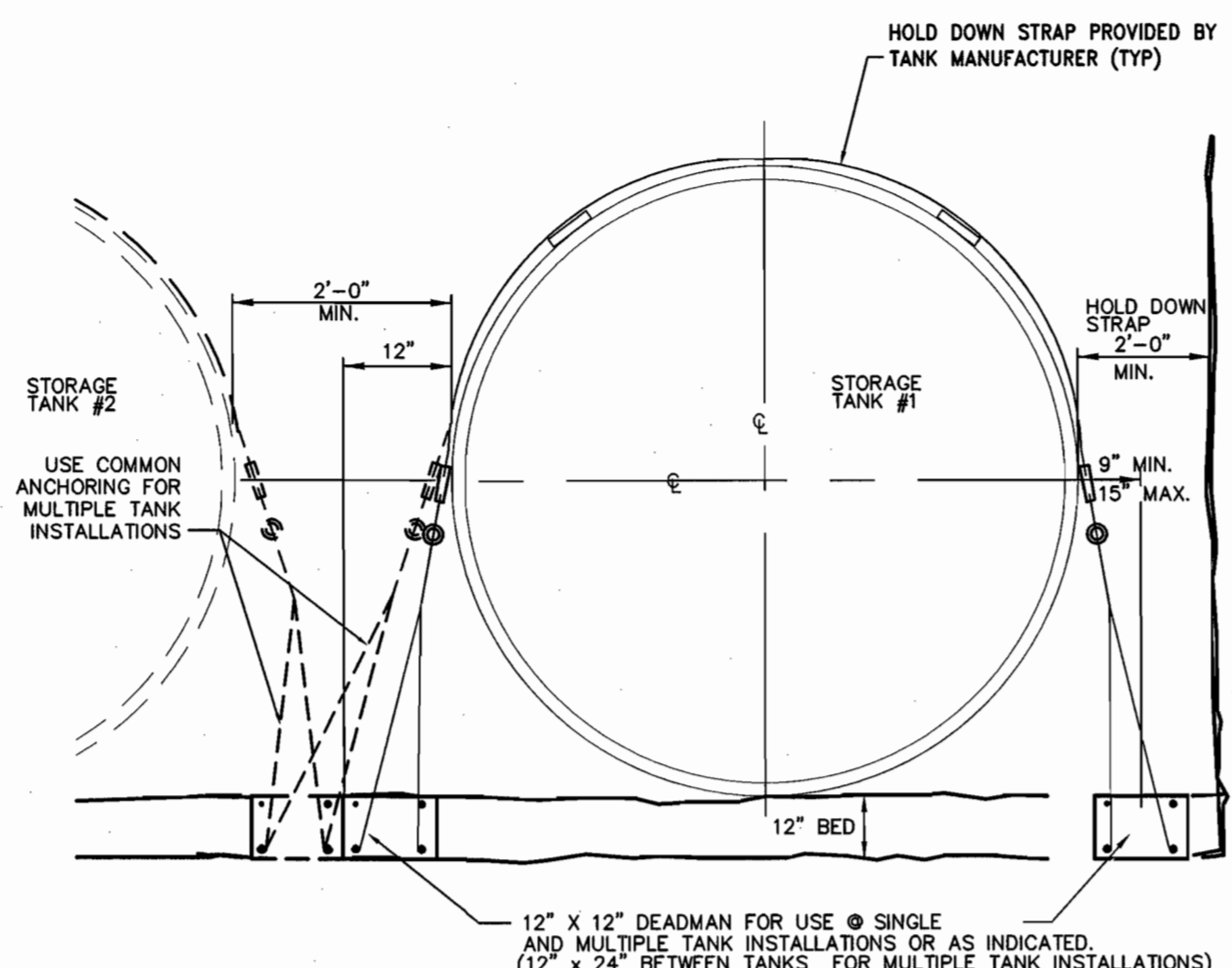
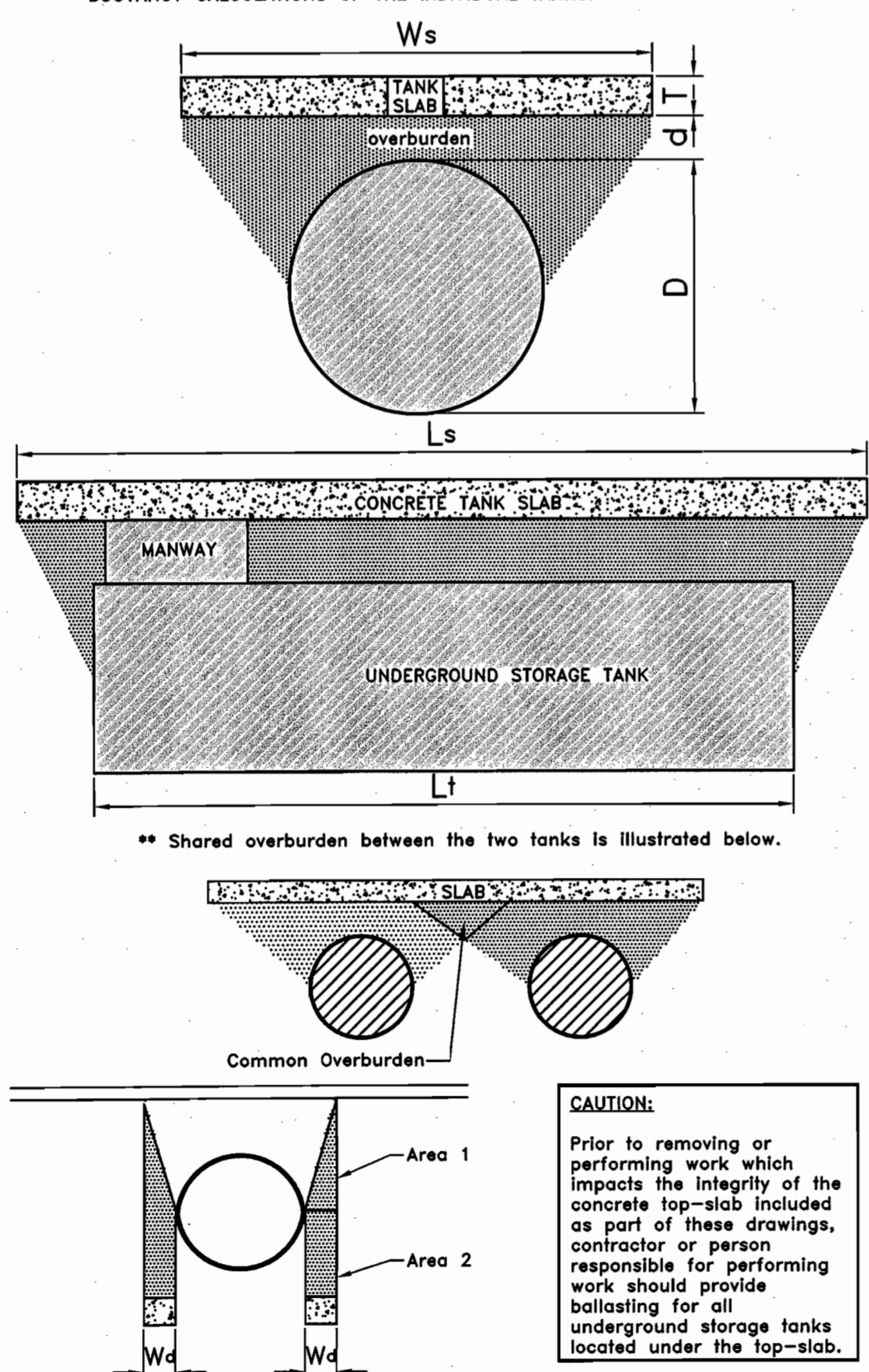
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**TANK FLOATOUT AND ANCHORAGE CALCULATIONS**  
AS OUTLINED IN PE1/RP 100-94 TANKS SHOWN IN GALLONS

RULE DESCRIPTION	UNITS	20,000
<b>A.2 SUBMERGED WEIGHT</b>		
SAND & FILL GRAVEL (WT)	lbs. per c.f.	60.0
REIN. CONCRETE (Wc)	lbs. per c.f.	87.6
TANKS AND MANWAYS (WT)	lbs.	16,270
SUB PUMP AND RISER (WT)	lbs.	500.0
WATER (V)	gal. per c.f.	7.48
WATER (WT)	lbs. per c.f.	62.4
<b>A.3 REFLECTED TANK AREA</b>		
AREA OF TRAPEZOIDAL END SECTION	s.f.	0.00
CYLINDRICAL BODY	s.f.	340.40
TOTAL (B2)	s.f.	340.40
<b>A.4 TANK DISPLACEMENT</b>		
INNER TANK STRUCTURE	c.f.	---
OUTER TANK STRUCTURE	gal.	---
RIBS	c.f.	0.00
TANK CAPACITY	gal.	2,873.80
INTERSTICE CAPACITY	gal.	20,000
MANWAY VOLUME	c.f.	200.00
TOTAL VOLUME (V2)	c.f.	2,773.80
(V2)	gal.	20,748
<b>A.5 REINFORCED CONCRETE PAD AT FINISHED GRADE</b>		
LENGTH OF CONCRETE SLAB (Ls)	ft	38.00
WIDTH OF CONCRETE SLAB (Ws)	ft	13.00
THICKNESS OF CONCRETE SLAB (T)	ft	0.67
AREA OF THE CONCRETE PAD AT GRADE (B1)	s.f.	494
REFLECTED TANK AREA (B2)	c.f.	340.40
TANK DISPLACEMENT (V2)	gal.	21,498
TANK DISPLACEMENT (V2)	c.f.	283.80
VOID IN OVERBURDEN (M)	c.f.	200
<b>A.6 VOLUME WEIGHT OF OVERBURDEN</b>		
TANK DIAMETER (D)	ft	10.00
DEPTH OF OVERBURDEN (d)	ft	3.00
HEIGHT OF OVERBURDEN (h)	ft	8.00
AREA OF THE CONCRETE PAD AT GRADE (B1)	s.f.	494.00
REFLECTED TANK AREA (B2)	c.f.	340.40
TANK DISPLACEMENT (V2)	gal.	21,498
TANK DISPLACEMENT (V2)	c.f.	283.80
VOID IN OVERBURDEN (M)	c.f.	200
<b>A.7 TOTAL WEIGHT OF OVERBURDEN</b>		
( $(\frac{\pi}{4} \times D^2 \times h \times \rho) + (B1 \times \rho) - (V2 \times \rho) + M$ )	lbs.	102,042.10
TOTAL AREA (A)	s.f.	417.20
X DEPTH OF FILL (h)	ft	8.00
TOTAL FILL	c.f.	3,337.60
LESS TANK VOLUME	c.f.	1,516.90
LESS OTHER VOID	c.f.	200
LESS COMMON OVERBURDEN **	c.f.	1,700.70
TOTAL WEIGHT OF SOIL (Wt)	lbs. per c.f.	60.0
TOTAL WEIGHT OF OVERBURDEN	lbs.	102,042.10
<b>DEADMAN OVERBURDEN AND BALLASTING</b>		
DEADMAN WIDTH (Wd)	ft	1.5
AREA 1	s.f.	6
AREA 2	s.f.	6
TOTAL AREA (AREA 1 + AREA 2)	s.f.	12
DEADMAN LENGTH (Ld)	ft	34.00
DEADMAN OVERBURDEN VOLUME	c.f.	408.8
DEADMAN OVERBURDEN WEIGHT	lbs.	24,508.8
DEADMAN CONCRETE WEIGHT	lbs.	4,477.9
DEADMAN BALLAST (PER BALLAST)	lbs.	28,981.7
TOTAL DEADMAN BALLAST (2 PER TANK)	lbs.	57,963.5
<b>A.8 ADEQUACY OF RESTRAINING FORCES</b>		
<b>DOWN FORCES</b>		
WEIGHT OF OVERBURDEN	lbs.	102,042.10
CONCRETE PAVING AT GRADE	lbs.	28,957.85
WEIGHT OF TANK	lbs.	16,270
WEIGHT OF OTHER MATERIALS	lbs.	200.00
WEIGHT OF DEADMAN	lbs.	57,963.5
SUBTOTAL	lbs.	205,433.45
<b>UP FORCES</b>		
BUOYANCY OF TANK	lbs.	179,324.92
Vs X Wt	lbs.	179,324.92
TOTAL FORCES (DOWN)	lbs.	26,144.54
<b>A.9 CALCULATIONS OF SAFETY FACTOR</b>		
FORCE DOWN DIVIDED BY FORCE UP	Safety Factor	1.15

\*SEE PETROLEUM PLANS FOR SIZE OF OVERALL TANK SLAB. CONCRETE LENGTH AND WIDTH DIMENSIONS SHOWN ARE FOR BUOYANCY CALCULATIONS OF THE INDIVIDUAL TANKS.



**1 DEADMAN LOCATIONS**  
NO SCALE

**SPECIFICATIONS**

**3.1 TANK HOLD-DOWNS (TIE-DOWNS):**  
A. HOLD-DOWN: WHEN SPECIFIED, THE "DEADMAN" SHALL BE INSTALLED PRIOR TO THE BED MATERIAL.  
B. CAUTION: DO NOT PLACE TANKS ON CONCRETE SLABS, TIMBERS, BEAMS, CRADLES OR GROUT THE TANKS IN WET CEMENT. THE TANK, WHETHER TIED DOWN OR NOT, MUST NEVER BE LEFT ON THE BED WITHOUT A BACKFILL TO THE TOP OF THE TANK IF THERE IS ANY CHANCE OF WATER, 12" OR MORE ABOVE THE TANK BOTTOM, IN THE HOLE.

**3.2 TANK DEADMAN INSTALLATION**  
A. GENERAL REQUIREMENTS:  
1. ANCHOR ALL UNDERGROUND STORAGE TANKS WITH CONCRETE DEADMAN WHEN THICKENED TOP-SLAB DOES NOT PROVIDE ADEQUATE WEIGHT.  
2. THE TANK ANCHORAGE SYSTEM SHOWN ON THE DRAWINGS IS DESIGNED FOR A MAXIMUM LEVEL OF GROUND WATER EQUAL TO THE SUBGRADE LEVEL.

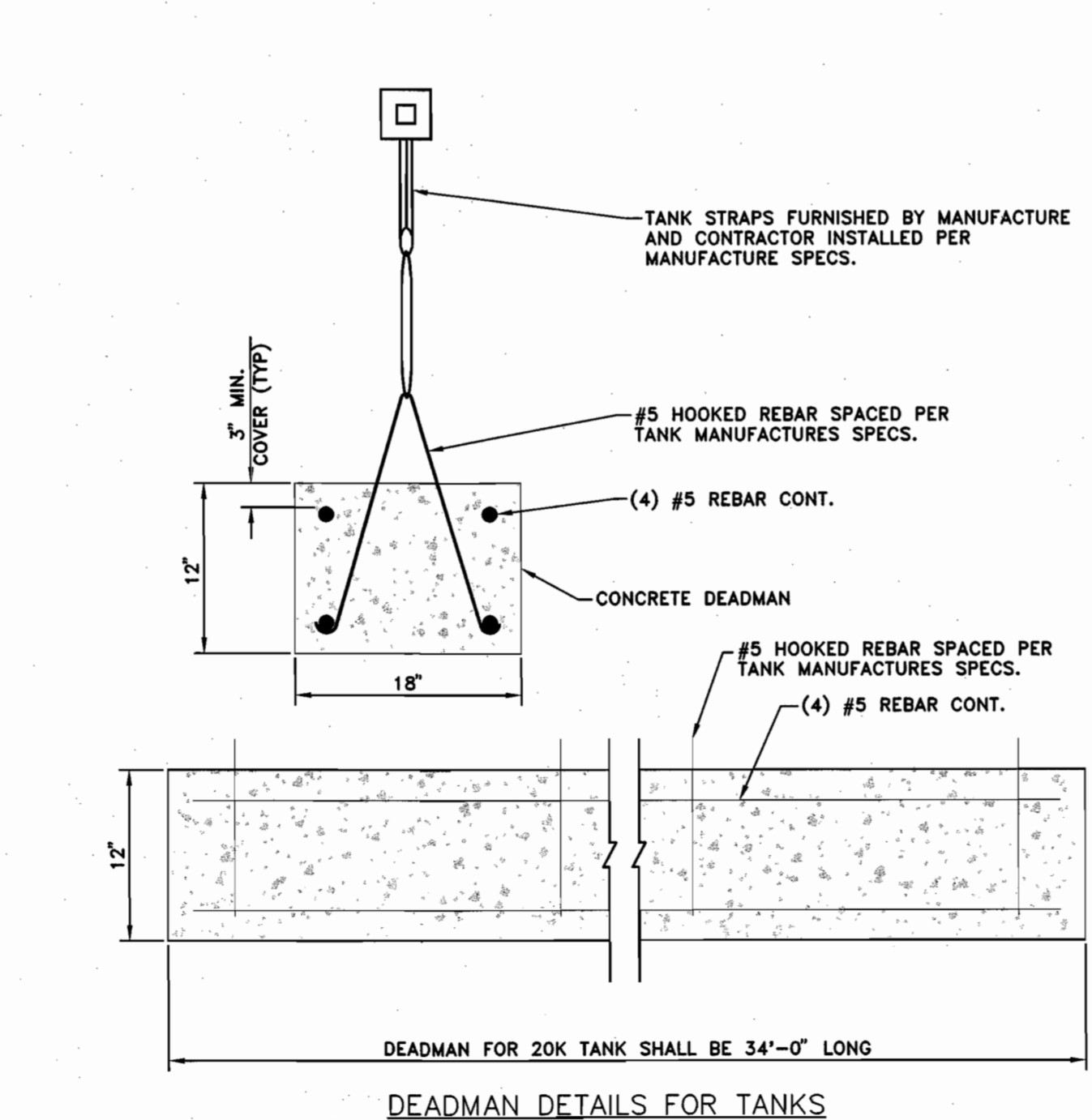
**3.3 MATERIALS**  
A. CONCRETE DEADMEN: REINFORCED CONCRETE, 12" X 12" OR 12" X 24" IN CROSS-SECTION WITH CHAMFERED EDGES. LENGTH, AS SHOWN ON THE DRAWINGS. 1/2" DIAMETER #5 REBAR ANCHOR LOOPS ARE TO BE CAST INTO DEADMAN AT LOCATIONS SHOWN. PRECAST MATERIAL SHALL HAVE ACHIEVED ITS ULTIMATE COMPRESSIVE STRENGTH OF 2500 PSI (28 DAYS) PRIOR TO INSTALLATION.  
NOTE: PRECAST CONCRETE FOUNDATION PILES WHICH MEET OR EXCEED ABOVE SPECIFICATIONS ARE ACCEPTABLE.

B. ANCHOR CABLE: MINIMUM 1/2" DIAMETER, TRAWLING CABLE.

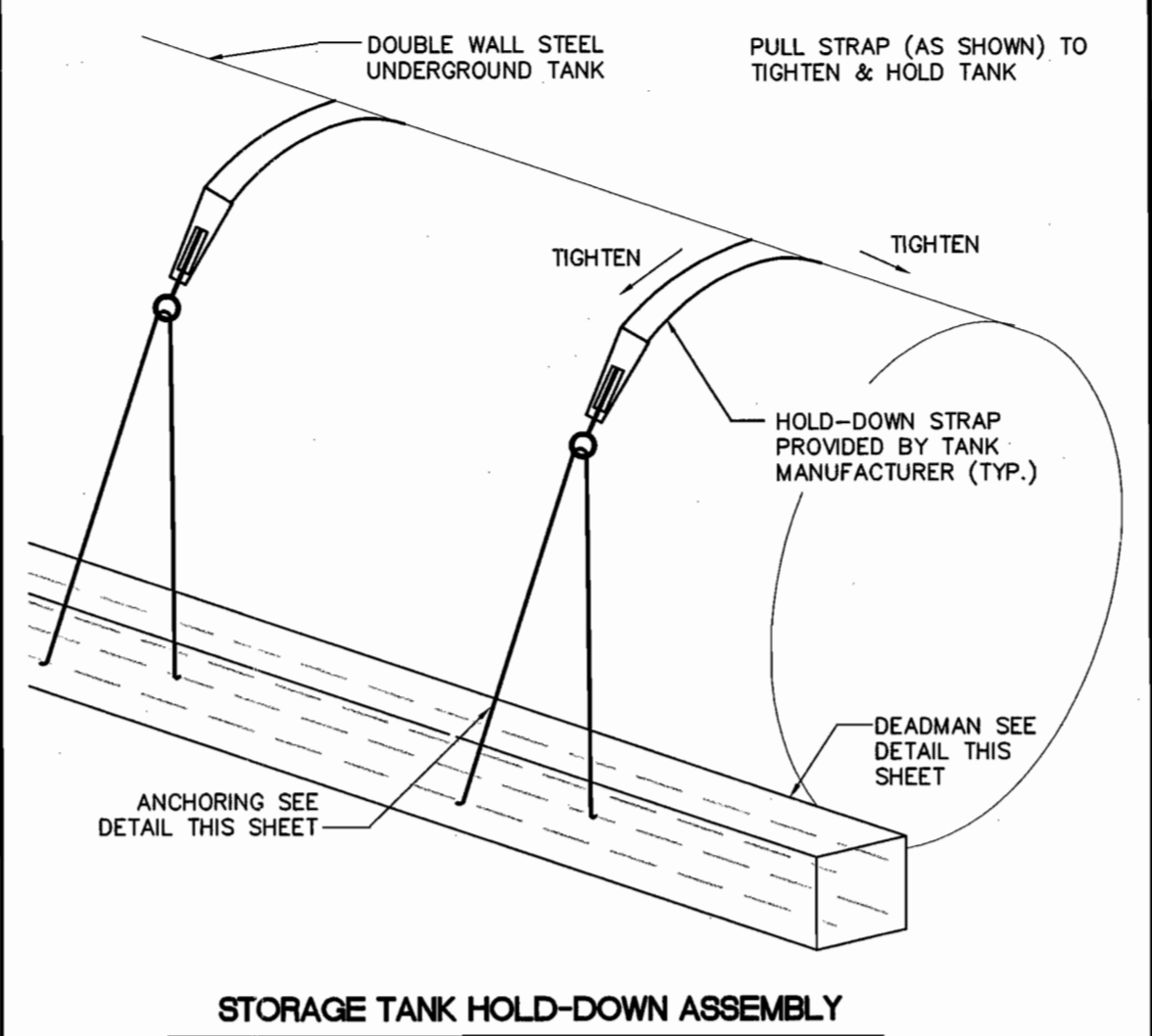
C. HARDWARE: CABLE CLAMPS, CABLE GUIDES, GUARDS, ETC., SHALL BE FURNISHED BY CONTRACTOR.

D. PROTECTIVE COATING: PRIOR TO BACKFILLING TANKS, APPLY A GENEROUS QUANTITY OF ASPHALT OR SIMILAR BITUMINOUS COATING BY BRUSH TO ALL EXPOSED STEEL CABLES, LOOPS AND HARDWARE.

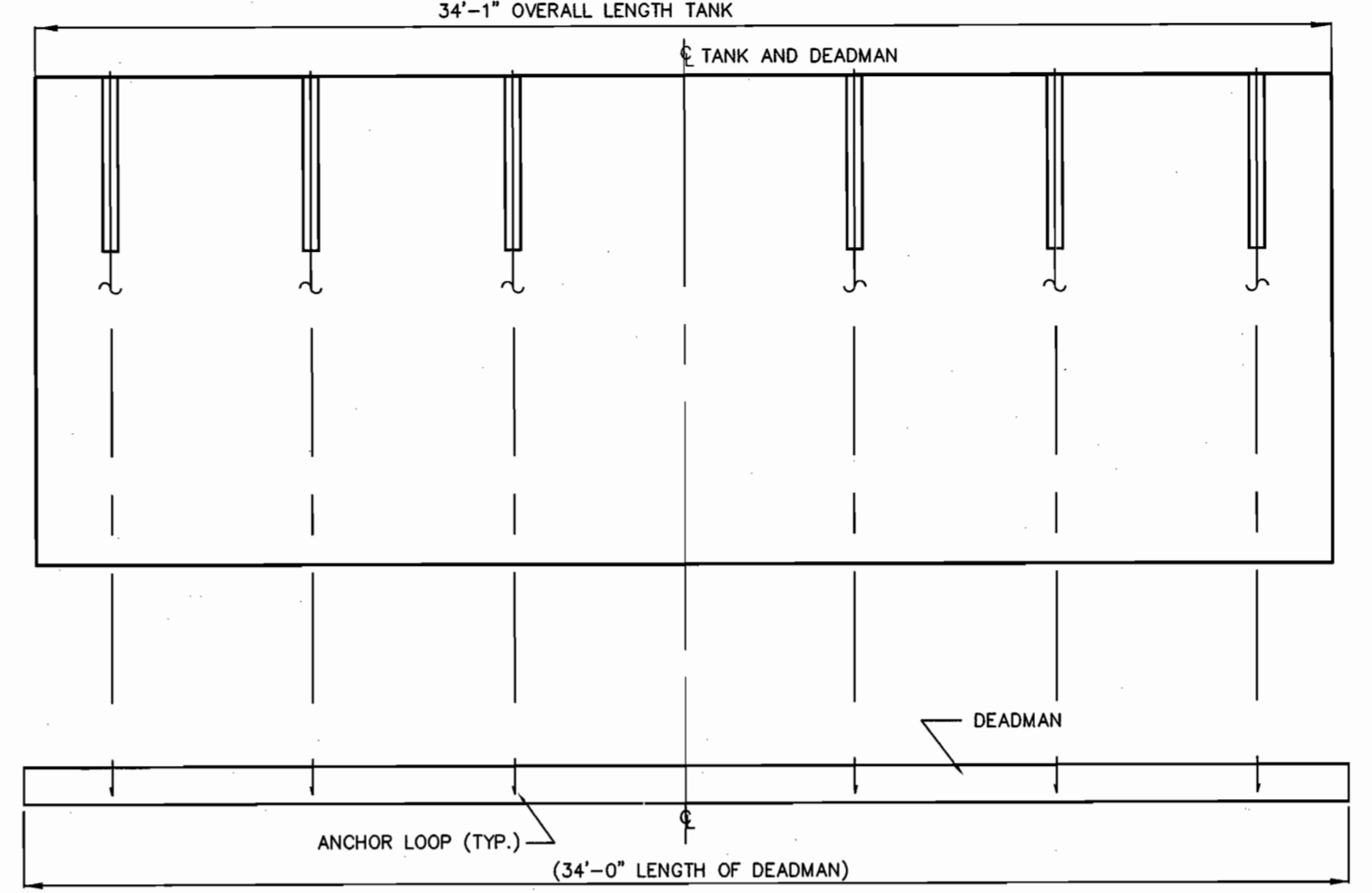
**3.4 INSTALLATION PROCEDURE:**  
A. PREPARE THE TANK HOLE TO RECEIVE THE DEADMAN. INSTALL SHORING (OR SIDE SLOPING) IN ACCORDANCE WITH OSHA GUIDELINES.  
B. PUMP THE WATER OUT OF THE TANK HOLE. KEEP WATER OUT OF THE TANK HOLE UNTIL TANKS HAVE BEEN SET, TIED DOWN, BALLASTED AND BACKFILLED.  
C. INSERT EACH CABLE THROUGH ITS OWN ANCHOR LOOP IN THE DEADMAN RESERVING SUFFICIENT CABLE SO THAT BOTH ENDS OF THE CABLE WILL BE KEPT AT THE TOP OF THE TANK HOLE AFTER THE DEADMAN ARE SET. LOWER AND POSITION THE DEADMAN IN THE TANK HOLE KEEPING BOTH ENDS OF THE CABLES AT THE TOP OF THE HOLE. INSTALL THE 12" MINIMUM THICK BEDDING MATERIAL IN TANK HOLE. SMOOTH AND SLOPE PER THE TANK BEDDING INSTRUCTIONS.  
D. PROCEED WITH SETTING THE TANKS BY ADDING BALLAST AS NECESSARY TO SINK AND KEEP DOWN THE TANKS. USE ONLY ENOUGH BALLAST TO HOLD THE TANKS DOWN UNTIL THE BACKFILL IS EVEN WITH THE TOP OF THE TANKS. (REFER TO TANK INSTALLATION AND SPECIFICATION SHEETS FOR TANK SETTING REQUIREMENTS.) CAUTION: BALLAST LEVEL IN TANK MUST NEVER EXCEED WATER (OR BACKFILL) LEVEL IN TANK HOLE DURING INSTALLATION.



NOTE: REFER TO PE1/RP100-90 "RECOMMENDED PRACTICES FOR THE INSTALLATION OF UNDERGROUND LIQUID STORAGE TANKS", SECTION 5.

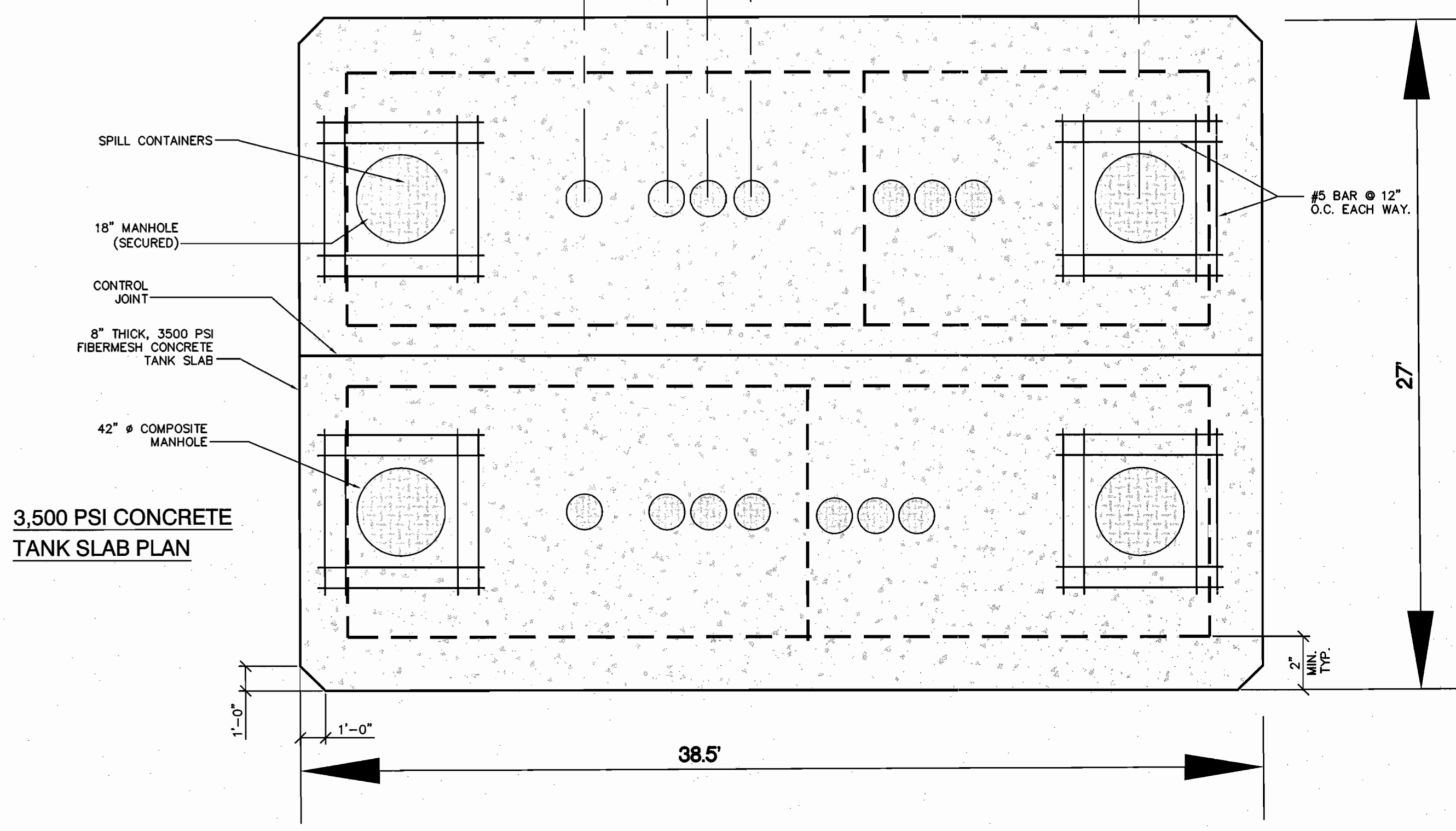
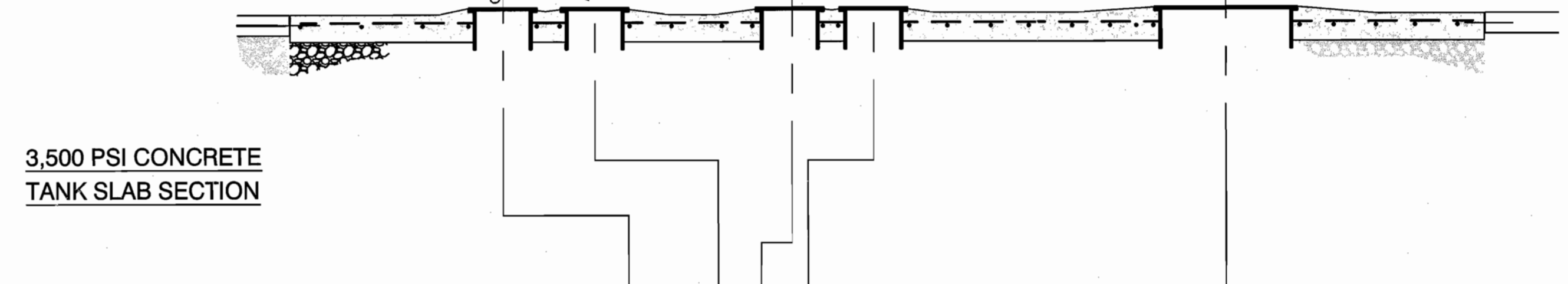
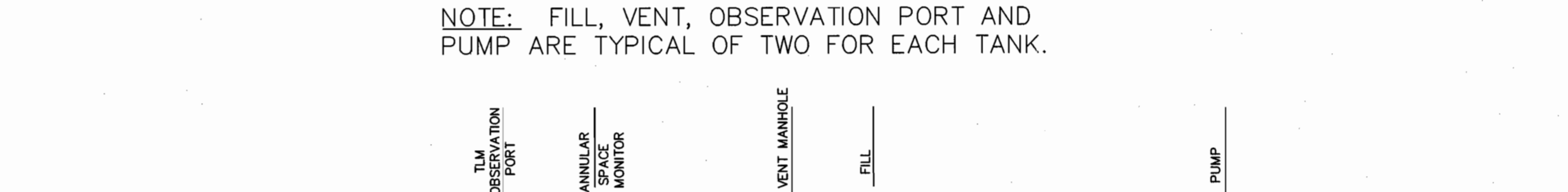


**2 HOLD-DOWN STRAP ASSEMBLIES**  
NO SCALE



NOTE: CONTRACTOR SHALL CONFIRM TANK TIE-DOWN LOCATIONS WITH MANUFACTURER PRIOR TO TANK INSTALLATION.

**3 STORAGE TANK DEADMAN (20,000-GALLON)**  
NO SCALE



**GENERAL NOTES**  
1. ALL COVERS, GASKETS, AND SEALS TO BE IN PLACE AND WATER TIGHT.  
2. CONCRETE SLAB SHALL HAVE A HEAVY BROOM FINISH.  
3. CONCRETE SLAB TO BE SEALED WITH AQUACRETE, M620 OR SIMILAR.  
4. STEEL REBAR SHALL BE SUPPORTED BY CHAIRS (D8) OR BESSER BRICKS.  
5. API COLORED REFLECTORS SHALL BE INSTALLED AT THE FILL END MANHOLE PERIMETER.

**4 8" CONCRETE SLAB AND REINFORCING FOR 10' DIAMETER - 20,000-GAL TANKS**  
NO SCALE

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DATE: 09/05/07  
ISSUE FOR CLIENT REVIEW

PROJECT #: 130-054  
DRAWN: RMH  
APPROVED: FAB  
DATE: 09/05/07  
SCALE: AS NOTED

SHEET NAME:  
**PE04**

SHEET:  
**4**

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