

Love's Travel Stop #705 / Talleyville

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|-----------------------------|--|--|----------------|
| <u>Category:</u> | Automotive, Restaurants, Retail Stores | <u>Project ID #:</u> | 1004128584 |
| <u>Street Address:</u> | Rte 106 - Emmaus Church Rd. Providence Forge VA 23140 | <u>Staff Estimate Value</u> | \$5,000,000.00 |
| <u>County:</u> | New Kent | <u>Stage:</u> | Biddate Set |
| <u>Bid Date:</u> | 8/31/2016 | | |
| <u>Architect:</u> | Pascal Aughtry & Associates | | |
| <u>Documents Available:</u> | Plans, Specs, Addenda available in Insight | | |
| <u>Last Update:</u> | 8/26/2016 | Plan Addenda,Spec Addenda were Added/Updated | |

Personal Notes

| User | Note | Update Date | Private? |
|------------|--|-------------|----------|
| Adam Sweet | THERE ARE 7 UST'S IN THIS PROJECT: DRAWINGS FOR 3 OF THEM: 30KGAL DW FRP UST FUEL TANK; 20KGAL DW FRP UST SPLIT FUEL TANK (8KGAL GASOLINE;12KGAL DIESEL); 20KGAL DW FRP UST DIESEL FUEL TANK | 8/26/2016 | False |
| Adam Sweet | POSSIBLE TANKS: FUEL STATION. WATCHING | 8/5/2016 | False |

Notes

Scope Site work and new construction of a mixed-use development in Providence Forge, Virginia. Completed plans call for the construction of a 20,483-square-foot retail development; service station / car wash facility; and restaurant. Construction of 11,483 SF Love's Travel Stop; 9,000 SF Tire building; fuel station; and an Arby's. *The owner requests that all subcontractor / supplier inquiries be directed to the GC Bidder. *All site visits must be coordinated with the GC bidder(s). Failure to do so will result in the disqualification of bids. *The bid list for this project may be incomplete. If you have been invited to bid on this project by the owner, please notify our [_feedback](javascript:void(0))

Notes Development include(s): New Construction, Site Work

Details [Division 2]: Clearing, Shoring, Earthwork, Grading, Paving & Surfacing, Water Systems, Sewerage & Drainage, Landscaping. [Division 3]: Structural Precast Concrete. [Division 4]: Concrete Unit Masonry, Marble. [Division 5]: Structural Steel, Metal Joists, Metal Decking, Cold Formed Metal Framing, Metal Fabrications. [Division 6]: Rough Carpentry, Finish Carpentry, Architectural Woodwork. [Division 7]: Waterproofing, Exterior Insulation & Finish Systems, Skylights. [Division 8]: Metal Doors, Wood Doors, Sectional Overhead Doors, Traffic Doors, Entrances & Storefronts, Hardware. [Division 9]: Ceiling Suspension Systems, Drywall/Gypsum, Tile, Acoustical Ceilings, Resilient Flooring, Painting. [Division 10]: Louvers & Vents. [Division 11]: Food Service Equipment. [Division 13]: Pre-Engineered Structures. [Division 15]: Mechanical Insulation, Fire Protection Systems, Plumbing Fixtures, Air Handling, Ductwork, Testing & Balancing. [Division 16]: Service/Distribution, Exterior Lighting, Alarm & Detection Systems.

Additional Details

| | | | |
|------------------------------|-----------|--------------------------------------|-------------------|
| <u>Listed On:</u> | 8/5/2016 | <u>Floor Area:</u> | 20,483Square Feet |
| <u>Contract Type:</u> | | <u>Work Type:</u> | New |
| <u>Stage Comments 1:</u> | | <u>Floors Below Grade:</u> | |
| <u>Stage Comments 2:</u> | | <u>Owner Type:</u> | Private |
| <u>Bid Date:</u> | 8/31/2016 | <u>Mandatory Pre Bid Conference:</u> | |
| <u>Invitation #:</u> | | <u>Commence Date:</u> | 9/30/2016 |
| <u>Structures:</u> | 3 | <u>Completion Date:</u> | |
| <u>Single Trade Project:</u> | | <u>Site Area:</u> | |
| <u>Floors:</u> | | <u>LEED Certification Intent:</u> | |
| <u>Parent Project ID:</u> | | <u>Units:</u> | |
| <u>Parking Spaces:</u> | | | |

Project Participants

| Company Role | Company Name | Contact Name | Address | Phone | Email | Fax |
|----------------|---------------------------------|--------------|---|-------|-------|------------|
| Civil Engineer | Chipola Engineering Group, Inc. | | 4440 Lafayette St. Ste. F, Marianna, FL 32446 | | | |
| Owner | Love's Travel Stops & | | 10601 N | | | (405) 749- |



















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|---------------------------------------|---|-------------------|--|--------------------|-----------------------------|--------------------|
| | Country Stores | | Pennsylvania Ave. P.O. Box 26210, Oklahoma City, OK 73120 | | | 9155 |
| Structural Engineer | Structures America Innovative Engineering (SAI) | | 2240 NW 164th St. , Edmond, OK 73013 | | | (405) 285- 5534 |
| Architect | Pascal Aughtry & Associates | Pascal Aughtry | 937 E. Britton Road , Oklahoma City, OK 73114 | (405) 463- 3494 | pascal@pascalarch.c om | (405) 463- 3493 |
| Mechanical and Electrical Engineer | MTF Engineering | Tom Fox | 1437 Health Center Pkwy. , Yukon, OK 73099 | (405) 265- 2876 | tfox@mtfengineering. com | (405) 265- 2879 |

Bidders

| Company Name | Added Date | Address | Phone | Email | Bidding Role | Bid Rank | Bid Value | Fax Number |
|---|------------|---|----------------|----------------------|--------------------|----------|-----------|----------------|
| Tri-C Construction Company | 8/5/2016 | 1765 Merriman Road , Akron, OH 44313 | (330) 836-2722 | estimating@tricc.com | General Contractor | | | (330) 869-8373 |
| Marco Contractors Inc. | 8/5/2016 | 100 Commonwealth Dr. P.O. Box 805, Warrendale, PA 15086 | (724) 741-0300 | | General Contractor | | | (724) 741-0335 |
| Venture Construction - Nashville Division | 8/6/2016 | 508 Autumn Springs Ct. Ste. 2A, Franklin, TN 37067 | (615) 778-0402 | | General Contractor | | | (615) 778-0001 |

Buyer Activity Report

| Status | Activity Level | Contact | Company Name | Source | Phone | Email | Business Type | Trades | Last Active |
|--------|----------------|------------------|-------------------------------|--------|----------------|----------------------------------|---------------|---|-------------|
| New | | Mike Clements | IDI Distributors-187285315 | | (952)-279-6400 | info@idimn.com | Other | Concrete, Concrete Forming and Accessories, Concrete Reinforcing, Cast-in-Place Concrete, Concrete P... | 8/10/2016 |
| New | | Barbara Agnew | IHC, LTD. | | (757) 464-2745 | estimating@ihcltd.net | Subcontractor | Concrete Forming and Accessories, Concrete Reinforcing, Concrete Pumping, Precast Concrete, Mass Con... | 8/10/2016 |
| New | | Tom Arezzi | Capital City Services Co. | | (804) 746-9665 | T.AREZZI@CAPITALCITYSERVICES.COM | Subcontractor | General Requirements, Summary, Price and Payment Procedures, Administrative Requirements, Survey and... | 8/10/2016 |
| New | | Kristin Kondakor | Kondakor Excavation, Inc. | | (804) 769-3179 | kristin@kondakorexavation.com | Subcontractor | Earthwork, Site Clearing, Earth Moving, Earthwork Methods, Excavation Support and Protection, Water ... | 8/9/2016 |
| New | | Donald Rudy | Cardinal Survey & Design, PLC | | (757) 345-2866 | don@cardinalsurvey.com | Subcontractor | Survey and Photography | 8/9/2016 |

| | | | | | | | | | |
|-----|---|---------------------|--|---|----------------|--------------------------------|---------------|---|-----------|
| New |  | Aaron Long | Procon Inc. |  | (540) 483-2788 | estimating@procon-inc.net | Subcontractor | Concrete, Concrete Forming and Accessories, Concrete Reinforcing, Cast-in-Place Concrete, Concrete P... | 8/6/2016 |
| New |  | Jason Caneer | Eric Sons |  | (770) 505-6003 | jcaneer@eric-sons.com | Other | General Requirements, Summary, Price and Payment Procedures, Administrative Requirements, Survey and... | 8/24/2016 |
| New |  | Kathy Baker-Heckard | Mason Contractors Association of America |  | (800) 536-2225 | kbh@indystone.com | Supplier | Stone Assemblies | 8/24/2016 |
| New |  | Ron Stratman | Vincent Angel Inc |  | 704281-9630 | rstratman@vincentangel-inc.com | Other | Fire Suppression, Water-Based Fire-Suppression Systems, Fire-Extinguishing Systems, Fire Pumps, Fire... | 8/22/2016 |
| New |  | Lisa McClure | IDI Distributors-187285315 |  | (952) 279-6400 | CRMAdmin@idimn.com | Supplier | Concrete, Concrete Forming and Accessories, Concrete Reinforcing, Cast-in-Place Concrete, Concrete P... | 8/19/2016 |
| New |  | Darien Henderson | PKM Steel - 204398828 |  | (785) 827-3638 | darien.henderson@pkmsteel.com | Subcontractor | Metals, Metal Restoration and Cleaning, Structural Metal Framing, Metal Joists, Metal Decking, Cold-... | 8/15/2016 |
| New |  | Brian DeSpain | Uretex ICR Mid-Atlantic |  | (336) 992-0746 | bdespain@uretekma.com | Other | Shoring and Underpinning, Excavation Support and Protection, Special Foundations and Load-Bearing El... | 8/15/2016 |
| New |  | Chantea Clement | INDOOR AIR TECHNOLOGIES |  | 585-924-2010 | chantea@iatcorpusa.com | Subcontractor | Heating, Ventilating, and Air-Conditioning (HVAC), Facility Fuel Systems, HVAC Piping and Pumps, HVA... | 8/15/2016 |
| New |  | Viktor Karas | RNB Construction Inc |  | 678-733-5620 | v_karas@yahoo.com | Subcontractor | Stone Assemblies, Exterior Insulation and Finish Systems | 8/14/2016 |
| New | | User 4 | York Building | | 717848- | dstatler@yo | Other | Existing | 8/12/2016 |



Products Co
Inc



2831

rkbuilding.c
om

Conditions,
Assessment,
Subsurface
Investigation,
Demolition
and Structure
Moving, Site
Rem...

| | | | | | | | | | |
|-----|--|--------------------|---------------------------------|--|----------------|-------------------------------|---------------|---|-----------|
| New | | Napoleon Hernandez | Jet Stream Mechanical, LLC | | (703) 595-1806 | jetstreammlc@gmail.com | Subcontractor | General Requirements, Summary, Price and Payment Procedures, Administrative Requirements, Survey and... | 8/11/2016 |
| New | | Steven Taylor | Fire Protection Equipment | | (804) 262-1594 | staylor@fireprotection-va.com | Subcontractor | Fire Suppression, Water-Based Fire-Suppression Systems, Fire-Extinguishing Systems, Fire Pumps, Fire... | 8/9/2016 |
| New | | Robert Sites | Scheduling Services Inc | | (540) 520-6842 | sitesrd@gmail.com | Other | Survey and Photography | 8/25/2016 |
| New | | Mark Hall | Che Midatlantic | | (252) 754-2800 | markhall@chemidatlantic.com | Supplier | General Requirements, Summary, Price and Payment Procedures, Administrative Requirements, Survey and... | 8/10/2016 |
| New | | Rusty Mitchell | Rappahannock Concrete Corp | | (804) 693-3606 | rmitchem@rapcrete.com | Supplier | Concrete, Concrete Forming and Accessories, Concrete Reinforcing, Cast-in-Place Concrete, Concrete P... | 8/10/2016 |
| New | | Monika Buri | ATI Development LLC | | (703) 787-9505 | president@atiroofing.com | Subcontractor | Steep Slope Roofing, Roofing and Siding Panels, Siding, Membrane Roofing, Flashing and Sheet Metal, ... | 8/9/2016 |
| New | | alex merlo | Vanar construction | | (757) 488-9500 | amerlo@vanarcop.com | Subcontractor | Structural Metal Framing, Metal Joists, Metal Decking, Cold-Formed Metal Framing, Rough Carpentry, T... | 8/9/2016 |
| New | | Steve Wright | J. E. Liesfeld Contractor, Inc. | | (804) 749-3276 | swright@liesfeld.com | Subcontractor | Existing Conditions, Assessment, Subsurface Investigation, Demolition and Structure Moving, Site Rem... | 8/9/2016 |

| | | | | | | | | | |
|-----|--|---|-----------------------------------|--|----------------|---|---------------|---|----------|
| New | | Estimating Department Estimating Department | D&W Construction LLC | | (301) 990-7700 | dn@dw-constructionllc.com | Subcontractor | Cold-Formed Metal Framing | 8/9/2016 |
| New | | Doug Huseby | Great Lakes Radiant & Industrials | | 216-588-1710 | doug@glradiant.com | Other | Heating, Ventilating, and Air-Conditioning (HVAC), Facility Fuel Systems, HVAC Piping and Pumps, HVA... | 8/8/2016 |
| New | | Aaron Bailey | Eure Inc | | | aaronbailey@eureinc.com | Subcontractor | Utilities, Water Utilities, Wells, Sanitary Sewerage Utilities, Storm Drainage Utilities, Ponds and ... | 8/8/2016 |
| New | | David Reynolds | Mid Atlantic Fire Protection | | | dreynolds@midatlanticfireprotection.com | Subcontractor | Fire Suppression, Water-Based Fire-Suppression Systems, Fire-Extinguishing Systems, Fire Pumps, Fire... | 8/8/2016 |
| New | | Curtis Woodruff | Virginia Stucco Corp | | (757) 468-2266 | curtiss@vasstucco.com | Subcontractor | Stone Assemblies, Manufactured Masonry, Dampproofing and Waterproofing, Exterior Insulation and Fini... | 8/8/2016 |
| New | | Eric Rice | Guaranteed Supply Company | | (757) 504-7212 | eric@gscnc.com | Supplier | General Requirements, Summary, Price and Payment Procedures, Administrative Requirements, Survey and... | 8/7/2016 |
| New | | Ed Brown | Brown Construction | | (434) 676-8816 | EFBROWNT@YAHOO.COM | Subcontractor | Earthwork, Site Clearing, Earth Moving, Earthwork Methods, Shoring and Underpinning, Excavation Supp... | 8/6/2016 |
| New | | Joanna Hyans | Reis Inc. | | (212) 921-1122 | joanna.hyans@reis.com | Subcontractor | General Requirements, Summary, Price and Payment Procedures, Administrative Requirements, Survey and... | 8/5/2016 |
| New | | Steven | Rebar | | (540) | steven@rebar | Supplier | Concrete | 8/5/2016 |

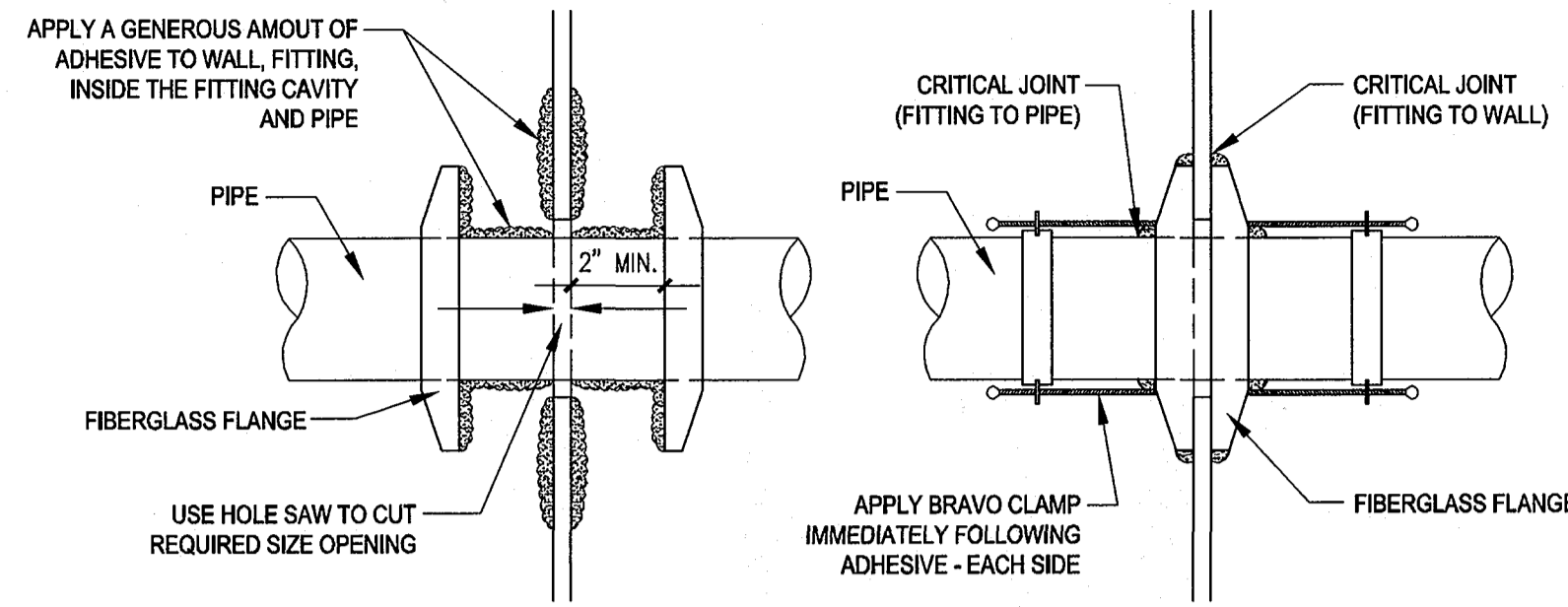
| | | | | | | | | | |
|-----|--|----------------------|----------------------------|----------|--------------------|------------------------------------|---------------|---|----------|
| | | Williamson Solutions | | 383-9331 | arsolutionsv a.com | | Reinforcing | | |
| New | | Fred Robinson | North Star Excavating | | | HCDESTIMATING@GMAIL.COM | Subcontractor | Special Construction, Fountains, Special Purpose Rooms, Special Structures, Integrated Construction, .. | 8/5/2016 |
| New | | John Buffington | C D Hall Construction, Inc | | (804) 275-8600 | jbuffington@cdhallconstruction.com | Subcontractor | Demolition and Structure Moving, Earthwork, Site Clearing, Earth Moving, Earthwork Methods, Water Ut... | 8/5/2016 |
| New | | Ansel Broome | SRM, Inc. | | (704) 334-7663 | srm_inc@bellsouth.net | Subcontractor | Concrete, Precast Concrete, Masonry, Unit Masonry, Stone Assemblies, Metal Restoration and Cleaning,... | 8/5/2016 |
| New | | Edward Caldas | Fire Solutions | | (804) 752-2366 | edward@fireolutionsinc.com | Subcontractor | Fire Protection Specialties, Security, Detention, and Banking Equipment, Special Construction, Speci... | 8/5/2016 |
| New | | jim dalton | Jones,george W. Co. | | (804) 276-7530 | ADMIN@GEORGEWJONESCO.COM | Subcontractor | Specialties, Chalkboards, Markerboards and Tackboards, Signage, Interior Specialties, Toilet Compart... | 8/4/2016 |
| New | | Bobby Doyle | DB Inc. | | (540) 798-3856 | dbinc0@gmail.com | Subcontractor | General Requirements, Summary, Price and Payment Procedures, Administrative Requirements, Survey and... | 8/4/2016 |

Contracts

| Classification | Conditions | Bonding | Bid Date | Bids To | Bid Type |
|--------------------|------------|---------|-----------|--------------------|-----------------|
| General Contractor | | | 8/31/2016 | General Contractor | Invited Bidders |

History

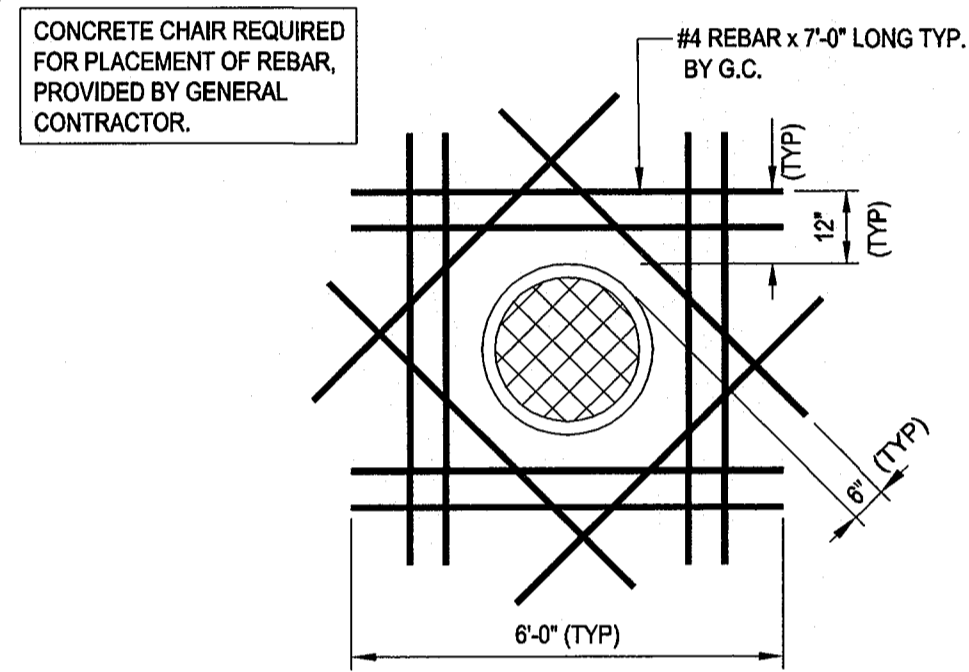
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|------------|--------|-------------------|--------------------|--------------|
| Adam Sweet | True | 8/5/2016 | True | 8/5/2016 |



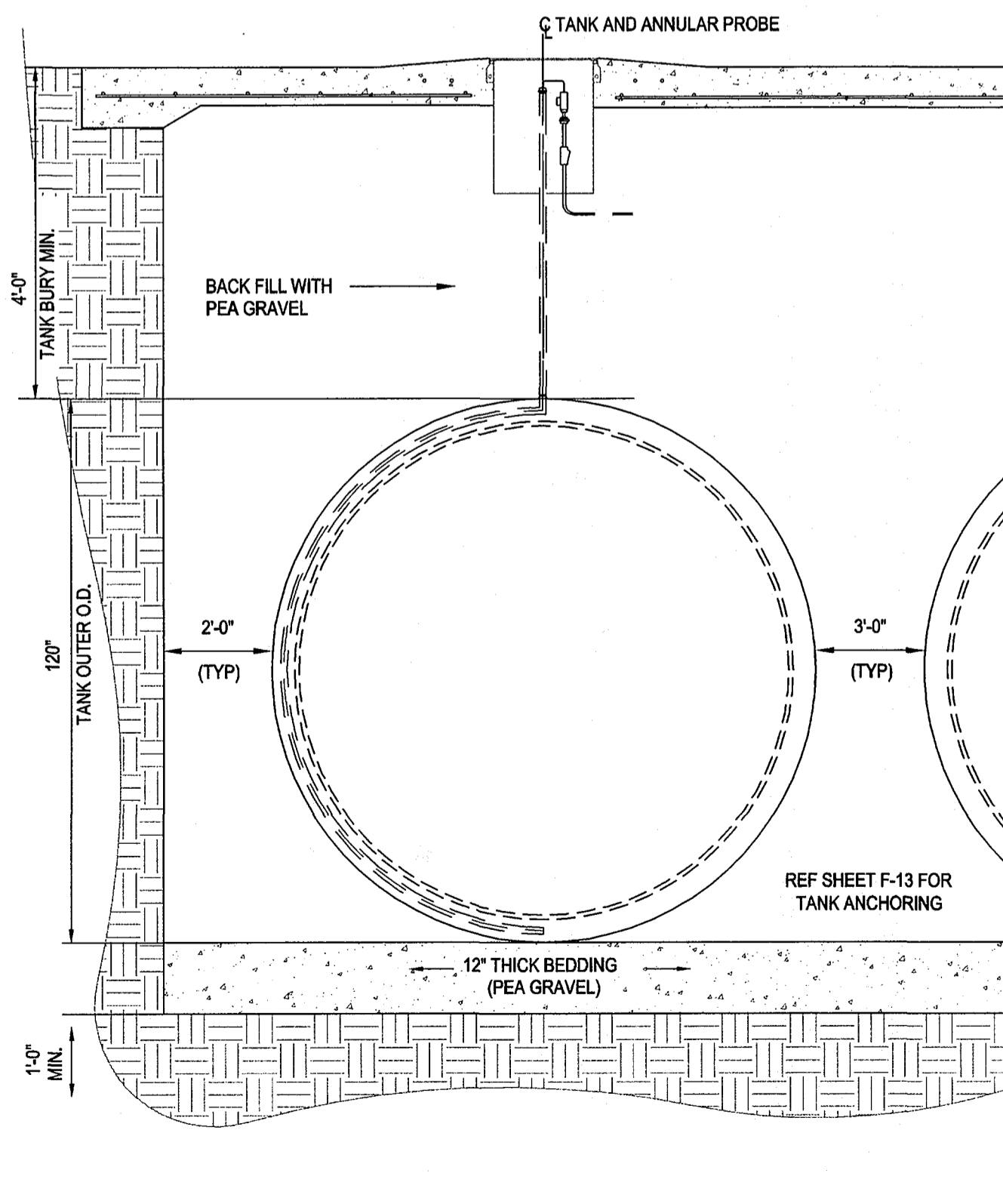
| PIPE NORMAL SIZE | HOLE SAW SIZE |
|------------------|---------------|
| 2"Ø FRP PIPE | 3" |
| 3"Ø FRP PIPE | 4" |
| 4"Ø FRP PIPE | 5" |

NOTE: SUMP AND PENETRATIONS OF SUMP SHALL BE WATER TIGHT.
NOTE: BRAVO FITTINGS SHALL BE INSTALLED PER MANUFACTURE INSTALLATION INSTRUCTIONS

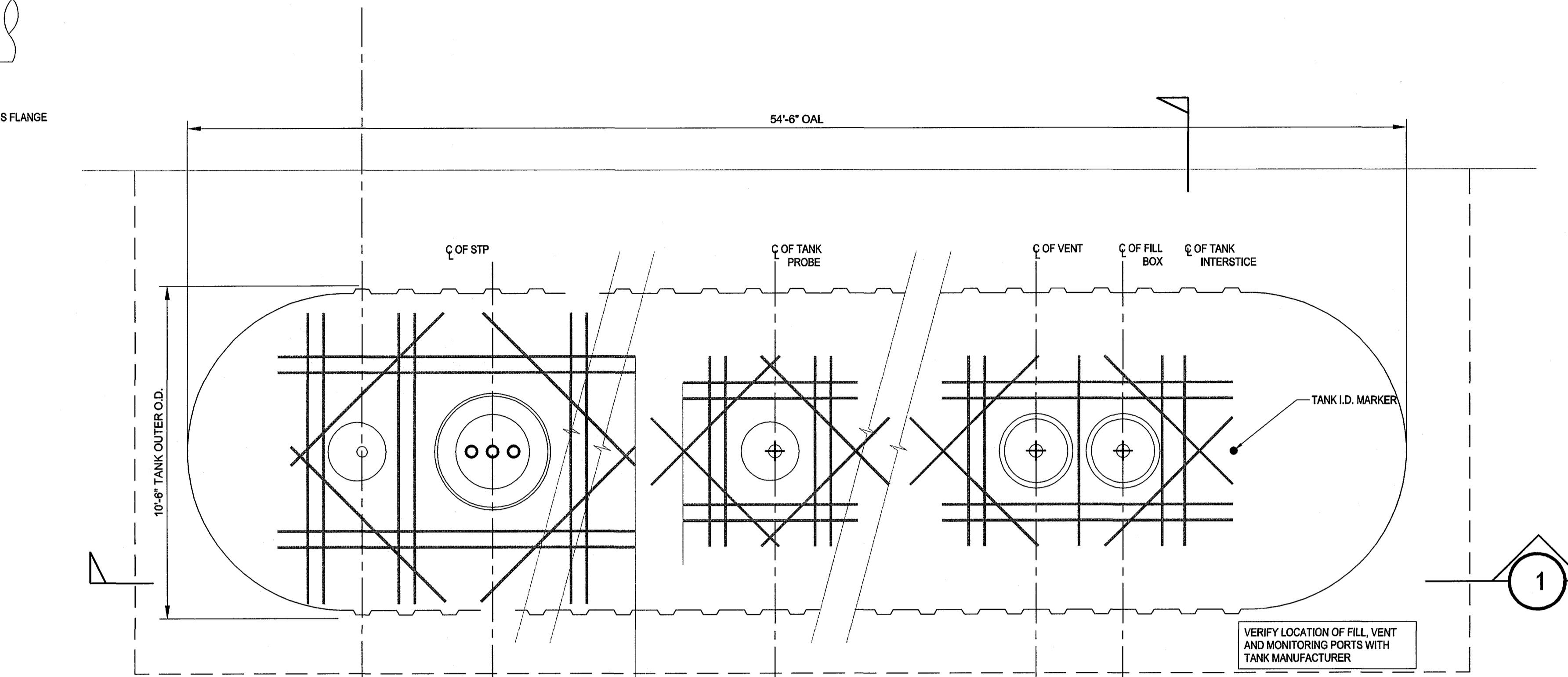
4 PIPE SUMP ENTRY DETAIL
NOT TO SCALE



3 TYPICAL REINFORCING AT SLAB OPENINGS
NOT TO SCALE

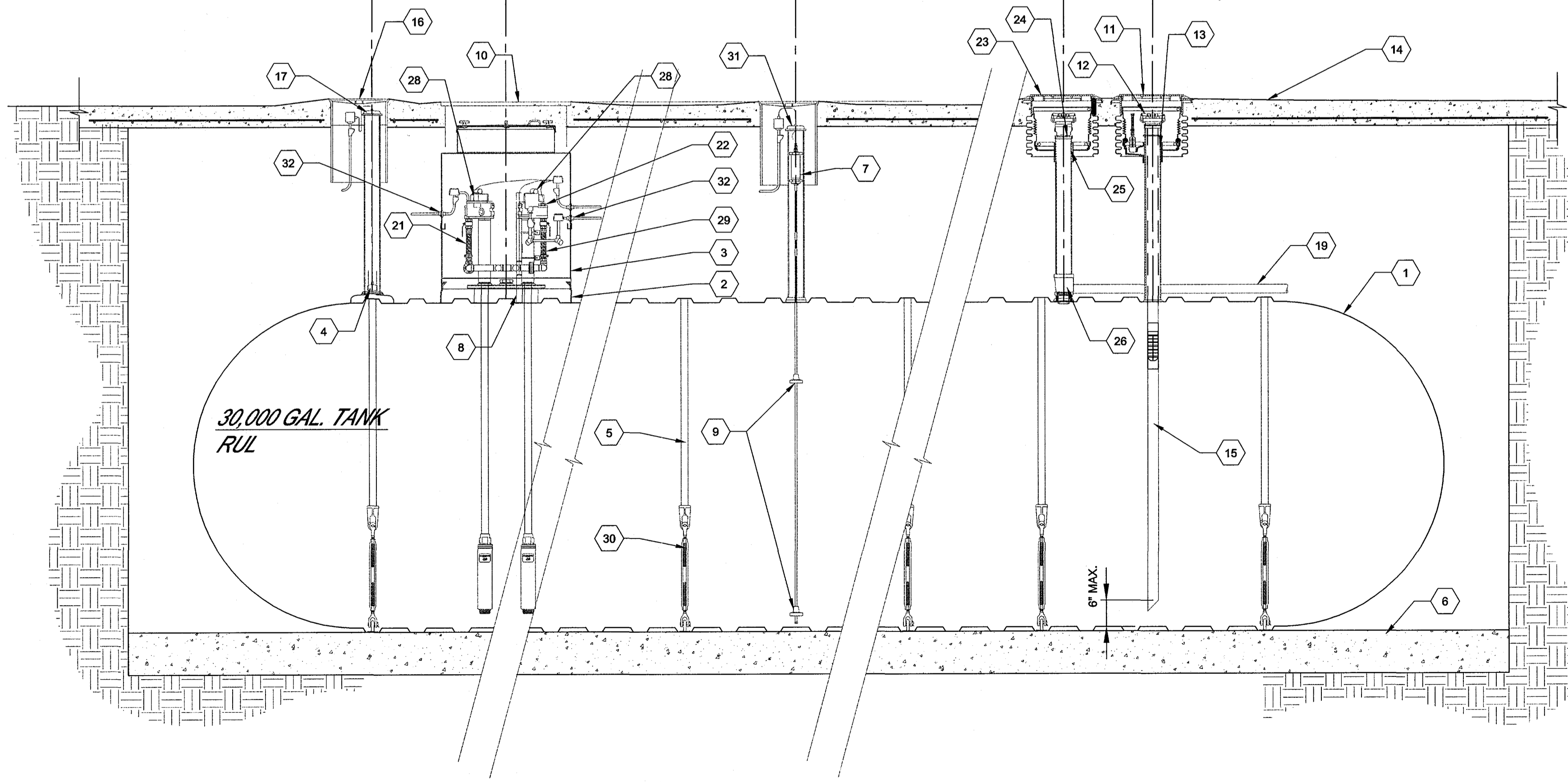


2 TYPICAL CROSS-SECTION OF TANKS
NOT TO SCALE



TYPICAL TANK LAYOUT - PLAN VIEW

NOTE: CONCRETE SLAB TO BE 8" MIN. THICKNESS BY G.C.



1 TYPICAL U.G. TANK W/CONNECTION DETAILS - ELEVATION VIEW
NOT TO SCALE

- GENERAL NOTES:**
- TANK SLAB SHALL BE PER PAVING SITE PLAN.
 - SET ALL MANHOLE COVERS LEVEL.
 - RAISE MANHOLES 1" AT MINIMUM GRADE DIFFERENTIAL AND 4" MAXIMUM DIFFERENTIAL FROM SURROUNDING SLAB.
 - CONCRETE SLAB SLOPE SHOULD BE APPROXIMATELY 1% TO 2% UNLESS INDICATED OTHERWISE IN THE GRADING PLAN.
 - AVOID DRAINAGE RUN-OFF OVER THE TANK AREA. MAINTAIN WATER FLOW LINES AWAY FROM MANHOLES. REFER TO GRADING PLAN.
 - NO TRAFFIC LOAD WILL BE ALLOWED IN THE FIRST SEVEN DAYS.

STAGE I VAPOR RECOVERY SYTEM SHALL BE INSTALLED AND TESTED AS PER CARB EXECUTIVE ORDER NUMBER VR-101-N. GENERAL CONTRACTOR SHALL VERIFY THAT THE INSTALLATION AND TESTING FOR TANKS AND VAPOR RECOVERY MEETS ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.

| NO. | MFR. | MODEL | DESCRIPTION | NO. | MFR. | MODEL | DESCRIPTION |
|-----|----------|--------------------|---|-----|----------|--------------------|--|
| 1 | FRANKLIN | FR-112 | 30,000 GAL. DOUBLE WALL FIBERGLASS STORAGE TANK | 21 | FRANKLIN | FR-212X18 | FLEXIBLE CONNECTOR - 2X18 MM EZ FIT |
| 2 | FRANKLIN | DWT-6 | DOUBLE WALL FIBERGLASS STORAGE TANK | 22 | FRANKLIN | LS500 | TRANSDUCCER |
| 3 | FRANKLIN | TSP-EIS | 48" WATER TIGHT FIBERGLASS ATTACHED COLLAR RISER | 23 | FRANKLIN | 705-545-012-CJ-GKT | STAGE I VAPOR RECOVERY MANHOLE (REPLACEABLE STYLE) W/ PLUG |
| 4 | FRANKLIN | TSP-EIS | 48" WATER TIGHT FIBERGLASS ATTACHED COLLAR RISER | 24 | FRANKLIN | 304-301-01 | STAGE I VAPOR CAP - TOP SEAL |
| 5 | FRANKLIN | TSP-EIS | 48" WATER TIGHT FIBERGLASS ATTACHED COLLAR RISER | 25 | FRANKLIN | SNV-101-SS | STAGE I VAPOR CHECK VALVE ADAPTER - SWIVEL |
| 6 | FRANKLIN | TSP-EIS | 48" WATER TIGHT FIBERGLASS ATTACHED COLLAR RISER | 26 | MORRISON | MR-563-0101 | EXTRACTOR ASSEMBLY - 4X4X3 |
| 7 | FRANKLIN | TSP-LL2-125 | LIQUID LEAK SENSOR | 27 | FRANKLIN | STPM200-VL2 | SUBMERSIBLE TURBINE PUMP - 2 HP |
| 8 | FRANKLIN | TSP-ULS | LIQUID LEAK SENSOR | 28 | FRANKLIN | FR-112 | BALL VALVE |
| 9 | FRANKLIN | TSP-UGA | LIQUID LEAK SENSOR | 29 | FRANKLIN | FR-112 | TURNBUCKLE ASSEMBLY - FURNISHED BY FUEL CONTRACTOR |
| 10 | FRANKLIN | FLX-141RT-4210 | 42" COMPOSITE - LARGE ROUND MANHOLE (RING AND COVER) | 30 | FRANKLIN | TSP-K4A | PROBE CAP |
| 11 | FRANKLIN | 705-545-011-CJ-GKT | 42" COMPOSITE - LARGE ROUND MANHOLE (RING AND COVER) | 31 | FRANKLIN | S. BRAVO | FIBERGLASS ELECTRICAL ENTRY FITTING (S) |
| 12 | FRANKLIN | 777-201-02 | FIVE GALLON SPILL FILL MANHOLE (REPLACEABLE STYLE) W/ DRAIN | 32 | FRANKLIN | BR-F | NOT USED |
| 13 | FRANKLIN | SNV-100-SS | FILL CAP - TOP SEAL | 33 | FRANKLIN | FR-112 | NOT USED |
| 14 | FRANKLIN | SNV-100-SS | FILL CAP - TOP SEAL | 34 | FRANKLIN | FR-112 | NOT USED |
| 15 | FRANKLIN | 705592902 | PRODUCT LABEL MARKER (EMBEDDED) | 35 | FRANKLIN | FR-112 | NOT USED |
| 16 | EMCO | EW-A071-001 | DROP TUBE OVERFILL PROTECTION | 36 | FRANKLIN | FR-112 | NOT USED |
| 17 | FRANKLIN | TSP-KW4 | 18" MONITORING MANHOLE-ANNULUS ENCLOSED W/ 4" OPENING | 37 | FRANKLIN | FR-112 | NOT USED |
| 18 | S. BRAVO | BR-F | 4" SENSOR CAP | 38 | FRANKLIN | FR-112 | NOT USED |
| 19 | AMERON | LC | FIBERGLASS ENTRY FITTING(S) | 39 | FRANKLIN | FR-112 | NOT USED |
| 20 | AMERON | LCX | 3" SINGLE WALL VENT PIPING | 40 | FRANKLIN | FR-112 | NOT USED |
| | | | DOUBLE WALL PRODUCT SUPPLY PIPING 2" LCX (NO EQUAL) | | | | |

PARTS LIST

HFA ARCHITECTS ENGINEERS INTERIORS
HARRISON FRENCH & ASSOCIATES, LTD
1705 S. Walton Blvd., Suite 3
Bentonville, Arkansas 72712
t 479.273.7780
f 888.520.9685
www.hfa-ac.com

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THIS DRAWING WAS PREPARED FOR USE ON A SPECIFIC SITE AT TALLEYSVILLE, VA ON DATE 07-18-16, AND IS NOT INTENDED TO BE REUSED FOR ANY OTHER PROJECT OR AT ANY OTHER TIME WITHOUT THE WRITTEN PERMISSION OF HARRISON FRENCH & ASSOCIATES, LTD. ANY REUSE OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION OF HARRISON FRENCH & ASSOCIATES, LTD. IS PROHIBITED AND WILL BE CONSIDERED A VIOLATION OF THE PROFESSIONAL ENGINEERING AND ARCHITECTURAL ETHICS AND STANDARDS OF PRACTICE.

TALLEYSVILLE, VA 23140
FUELING TIER 1
PROJECT NUMBER: 07-16-98035

Loves
Travel Stop & Country Stores

COMMUNITY OF VIRGINIA
PROFESSIONAL ENGINEER
RYAN S. RAY
Lic. No. 043547

JUL 18 2016

ISSUE BLOCK

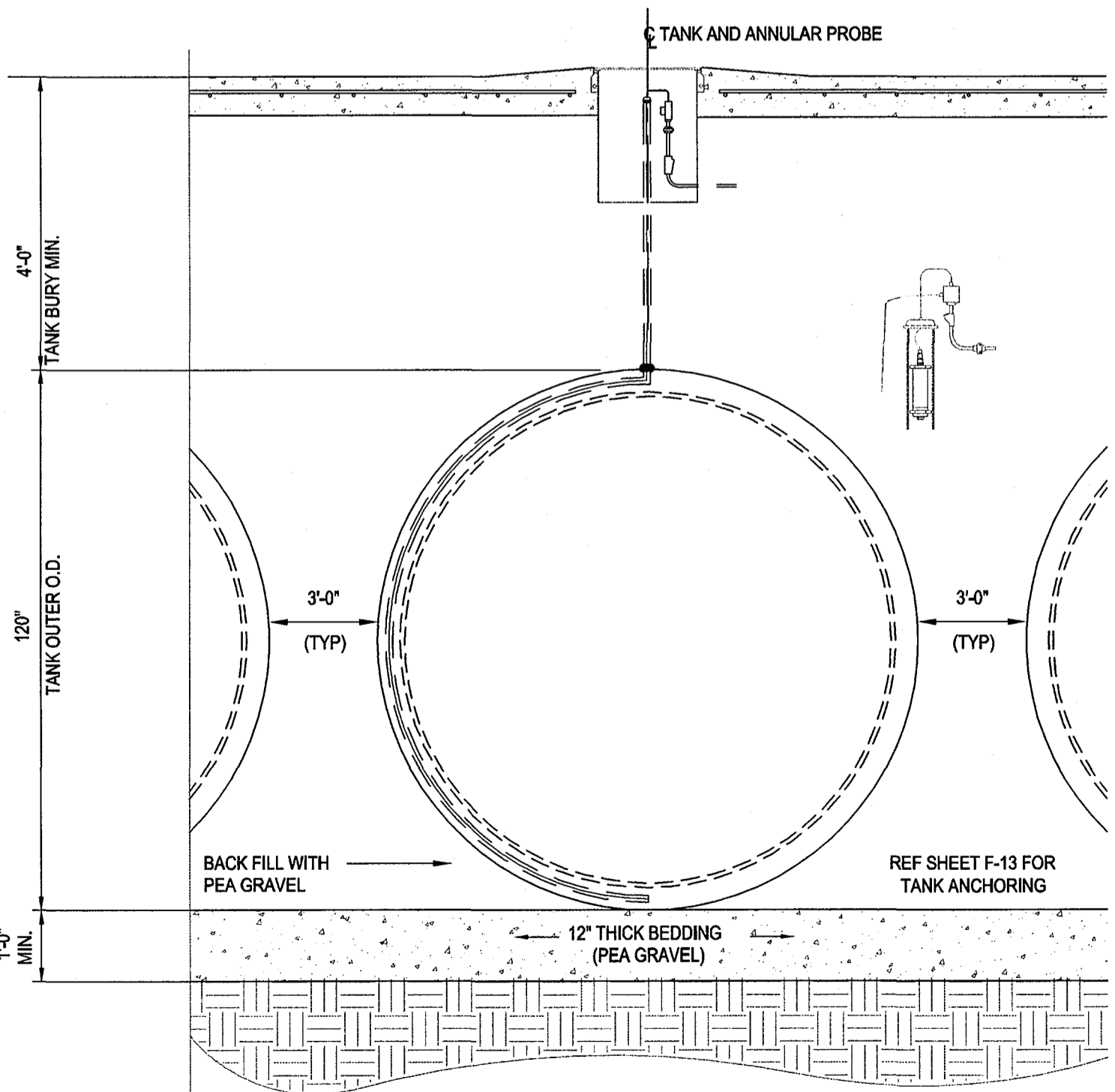
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| NO. | DESCRIPTION |
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STORE NO. XXX
DOCUMENT DATE: 07.18.16
CHECKED BY: BKH
DRAWN BY: WWB
PROTO CYCLE: 11.01.15

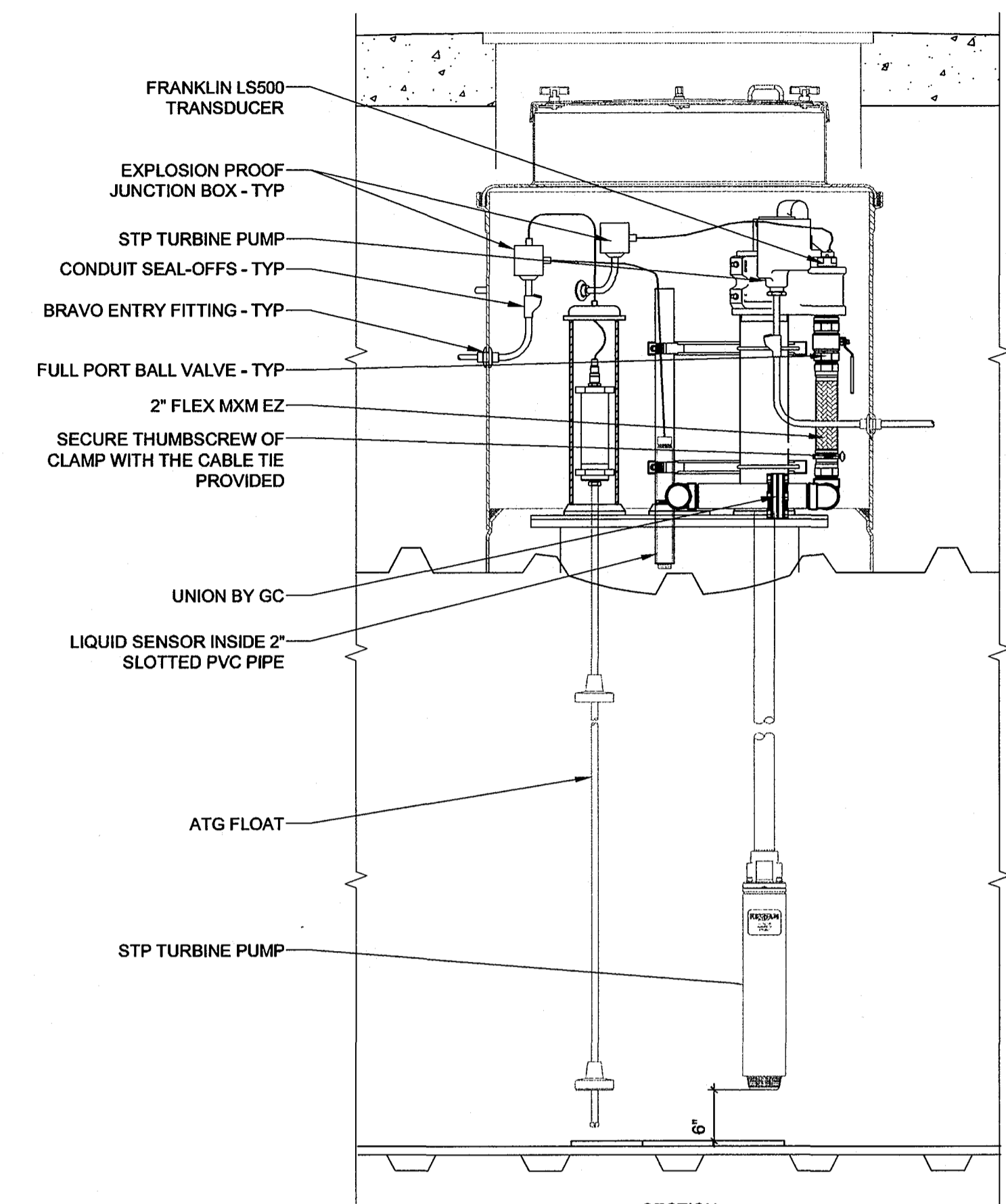
TYPICAL LAYOUT FOR GASOLINE TANK

SHEET: F-4

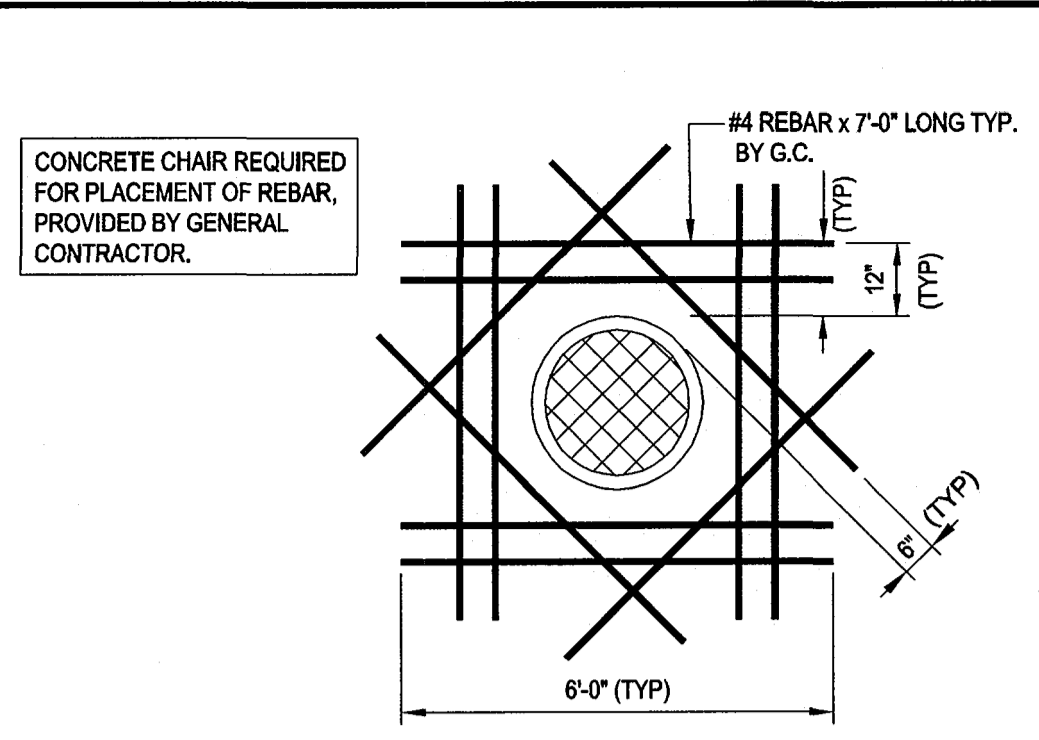
Jul18,2016-5:28pm - User: waylon.barnes
 J:\0707-16-88035 Loves Talleyville, VA\FuelWet Fuel Divgs\F15 - TWO COMP TANK.dwg



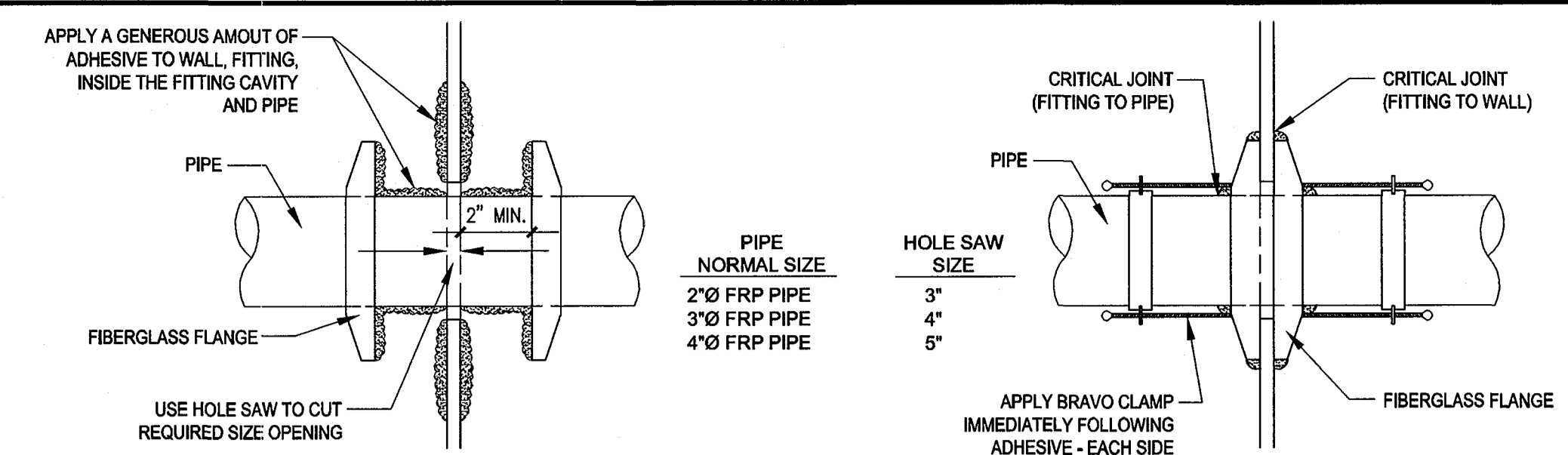
2 TYPICAL CROSS-SECTION OF TANKS
 NOT TO SCALE



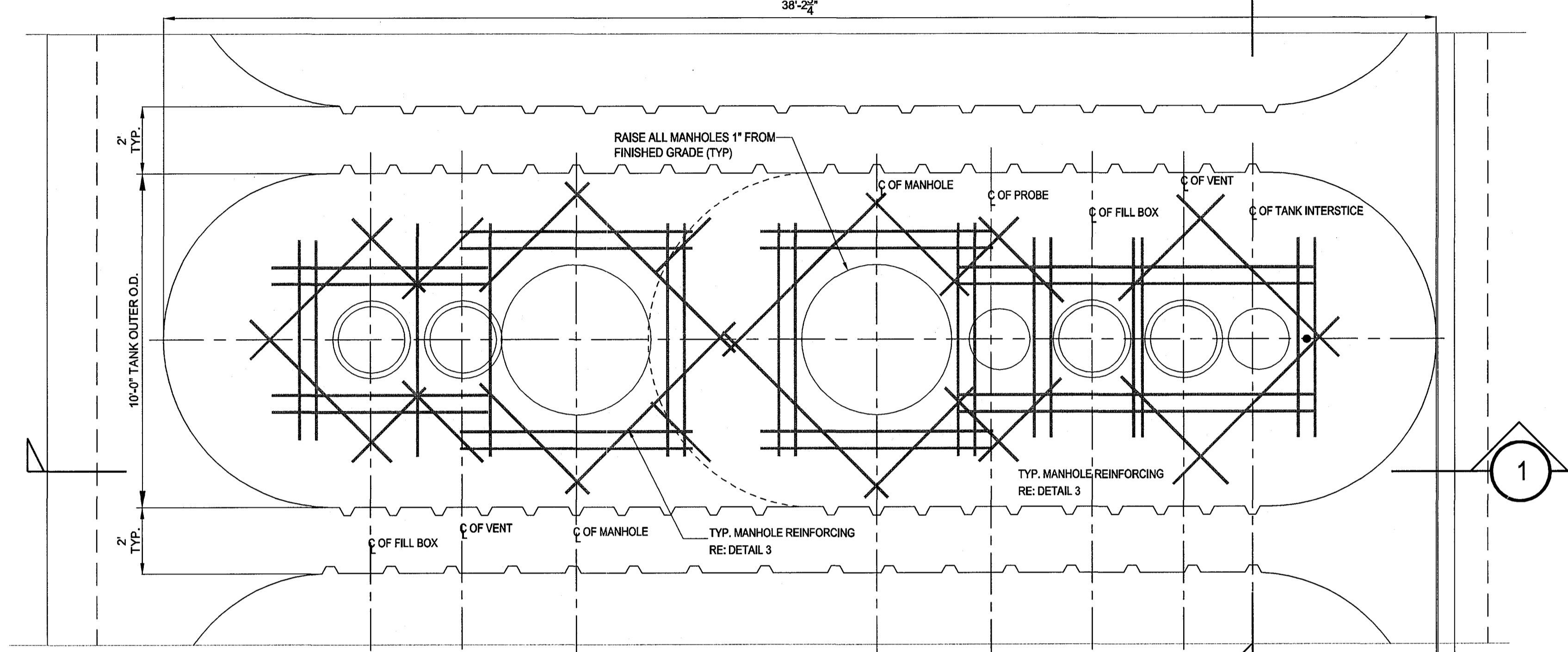
3 CONTAINMENT SUMP & CONNECTIONS FOR PREMIUM TANK TURBINE
 NOT TO SCALE



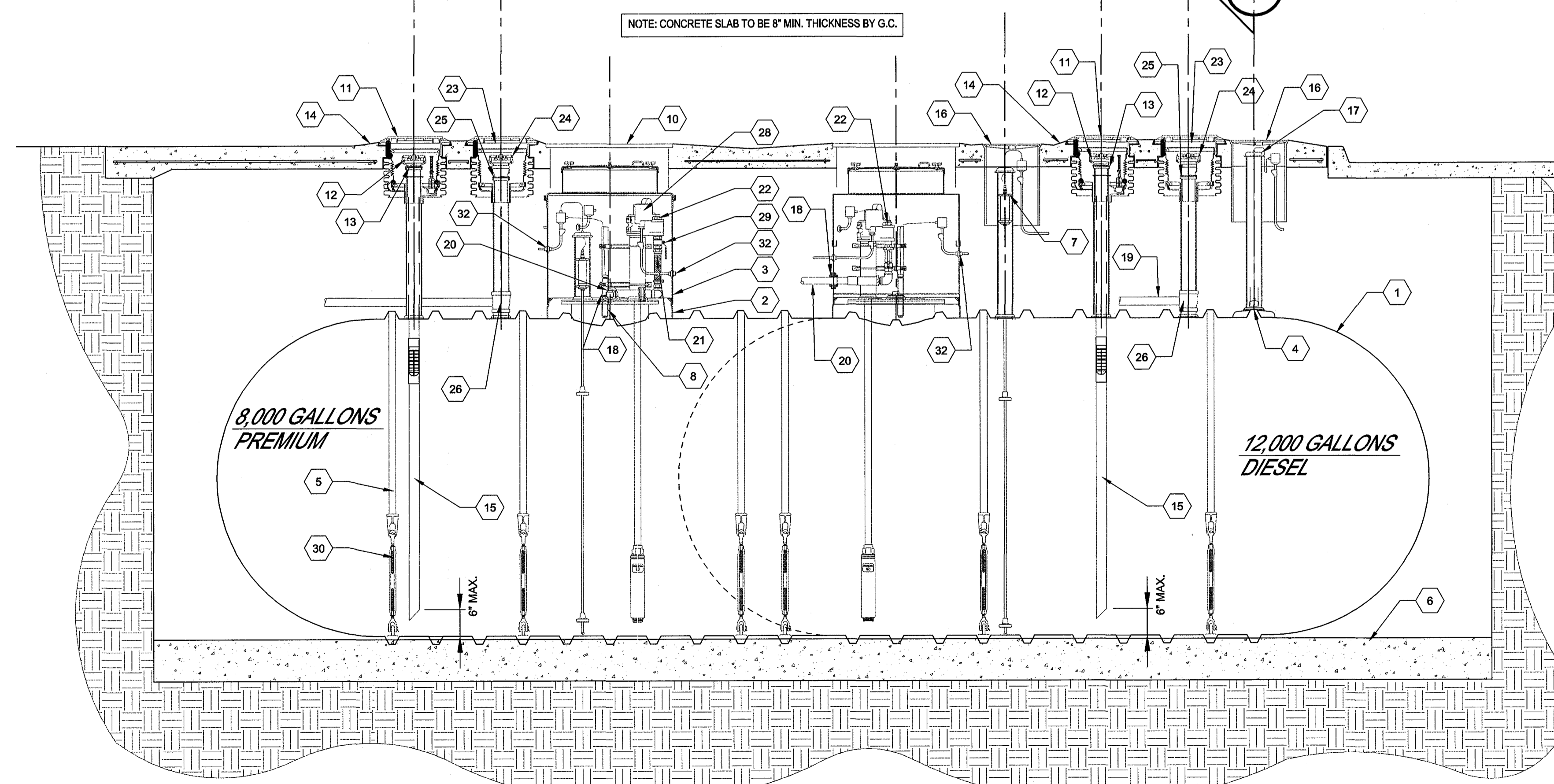
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TYPICAL TANK LAYOUT - PLAN VIEW



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| NO. | MFR. | MODEL | DESCRIPTION | NO. | MFR. | MODEL | DESCRIPTION |
|-----|----------|--------------|--|-----|----------|--------------|------------------------------|
| 1 | FRANKLIN | FFZ12X18 | FLEXIBLE CONNECTOR - 2X18 MM EZ FIT | 21 | FRANKLIN | LS500 | TRANSDUCER |
| 2 | FRANKLIN | 304-301-01 | STAGE 1 VAPOR RECOVERY MANHOLE (REPLACEABLE STYLE) W/ PLUG | 22 | FRANKLIN | 304-301-01 | STAGE 1 VAPOR CAP - TOP SEAL |
| 3 | FRANKLIN | SWA-101-SS | STAGE 1 VAPOR CHECK VALVE ADAPTER - SWIVEL | 23 | FRANKLIN | MP-583-0101 | EXTRACTOR ASSEMBLY - 4X4X3 |
| 4 | MORRISON | MP-583-0101 | EXTRACTOR ASSEMBLY - 4X4X3 | 24 | FRANKLIN | STPM200A-VL2 | NOT USED |
| 5 | FRANKLIN | STPM200A-VL2 | NOT USED | 25 | FRANKLIN | STPM200A-VL2 | NOT USED |
| 6 | FRANKLIN | STPM200A-VL2 | NOT USED | 26 | FRANKLIN | STPM200A-VL2 | NOT USED |
| 7 | FRANKLIN | STPM200A-VL2 | NOT USED | 27 | FRANKLIN | STPM200A-VL2 | NOT USED |
| 8 | FRANKLIN | STPM200A-VL2 | NOT USED | 28 | FRANKLIN | STPM200A-VL2 | NOT USED |
| 9 | FRANKLIN | STPM200A-VL2 | NOT USED | 29 | FRANKLIN | STPM200A-VL2 | NOT USED |
| 10 | FRANKLIN | STPM200A-VL2 | NOT USED | 30 | FRANKLIN | STPM200A-VL2 | NOT USED |
| 11 | FRANKLIN | STPM200A-VL2 | NOT USED | 31 | FRANKLIN | STPM200A-VL2 | NOT USED |
| 12 | FRANKLIN | STPM200A-VL2 | NOT USED | 32 | FRANKLIN | STPM200A-VL2 | NOT USED |
| 13 | FRANKLIN | STPM200A-VL2 | NOT USED | 33 | FRANKLIN | STPM200A-VL2 | NOT USED |
| 14 | FRANKLIN | STPM200A-VL2 | NOT USED | 34 | FRANKLIN | STPM200A-VL2 | NOT USED |
| 15 | FRANKLIN | STPM200A-VL2 | NOT USED | 35 | FRANKLIN | STPM200A-VL2 | NOT USED |
| 16 | FRANKLIN | STPM200A-VL2 | NOT USED | 36 | FRANKLIN | STPM200A-VL2 | NOT USED |
| 17 | FRANKLIN | STPM200A-VL2 | NOT USED | 37 | FRANKLIN | STPM200A-VL2 | NOT USED |
| 18 | FRANKLIN | STPM200A-VL2 | NOT USED | 38 | FRANKLIN | STPM200A-VL2 | NOT USED |
| 19 | FRANKLIN | STPM200A-VL2 | NOT USED | 39 | FRANKLIN | STPM200A-VL2 | NOT USED |
| 20 | FRANKLIN | STPM200A-VL2 | NOT USED | 40 | FRANKLIN | STPM200A-VL2 | NOT USED |

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TALLEYSVILLE, VA 23140
FUELING TIER 1
 PROJECT NUMBER: 07-16-88035

Loves
Travel Stop & Country Stores

COMMONWEALTH OF VIRGINIA
 RAN S. RAY
 Lic. No. 043547
 PROFESSIONAL ENGINEER

JUL 18 2016

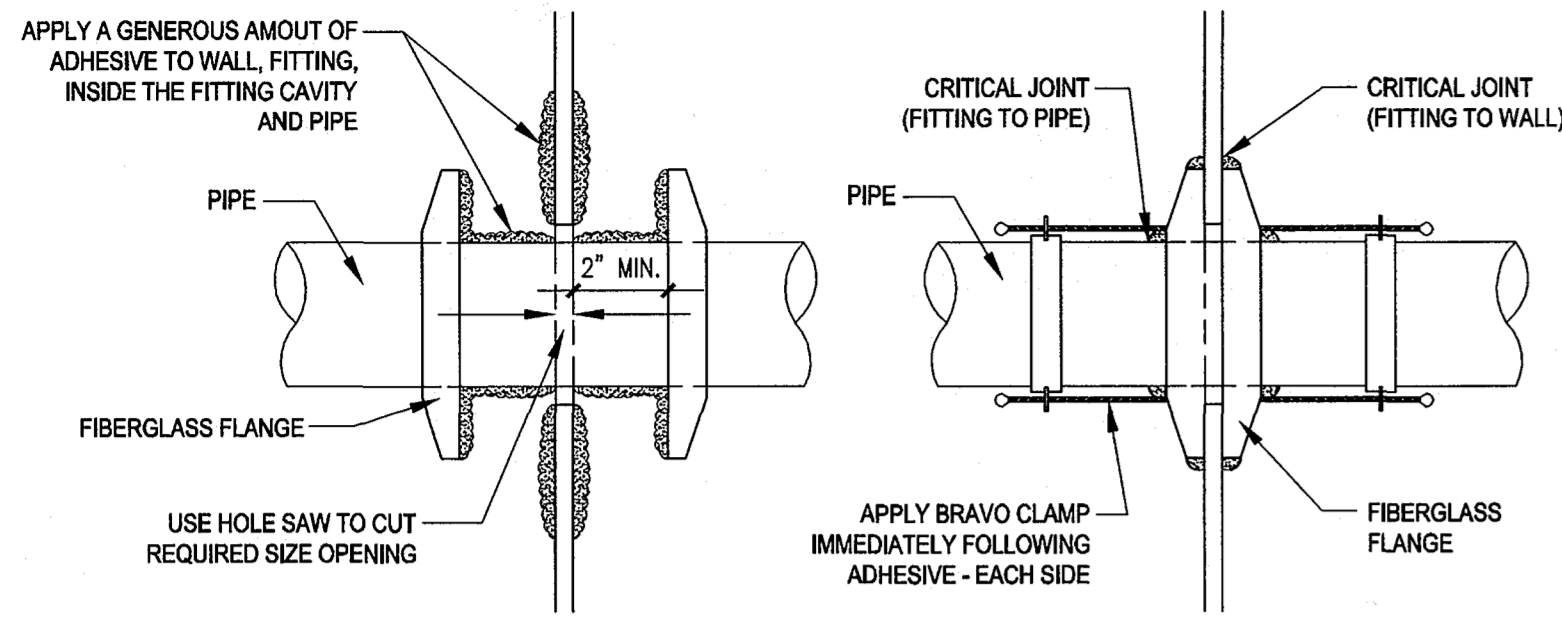
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STORE NO. XXXX
 DOCUMENT DATE: 07.18.16
 CHECKED BY: BKH
 DRAWN BY: WWB
 PROTO CYCLE: 11.01.15

TYPICAL TWO COMPARTMENT TANK LAYOUT FOR GASOLINE

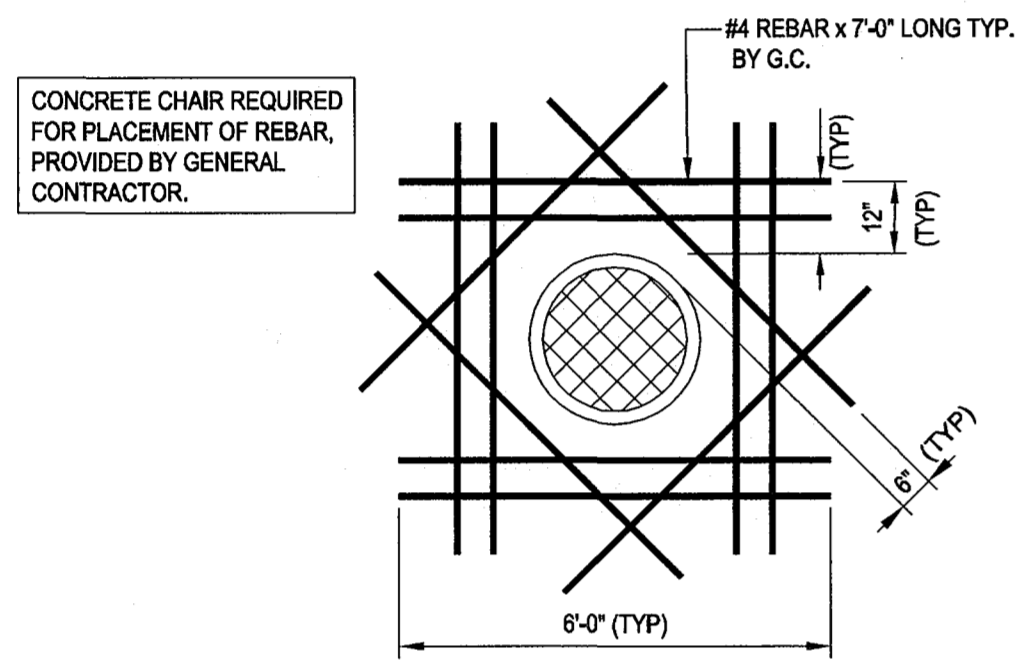
SHEET: **F-5**



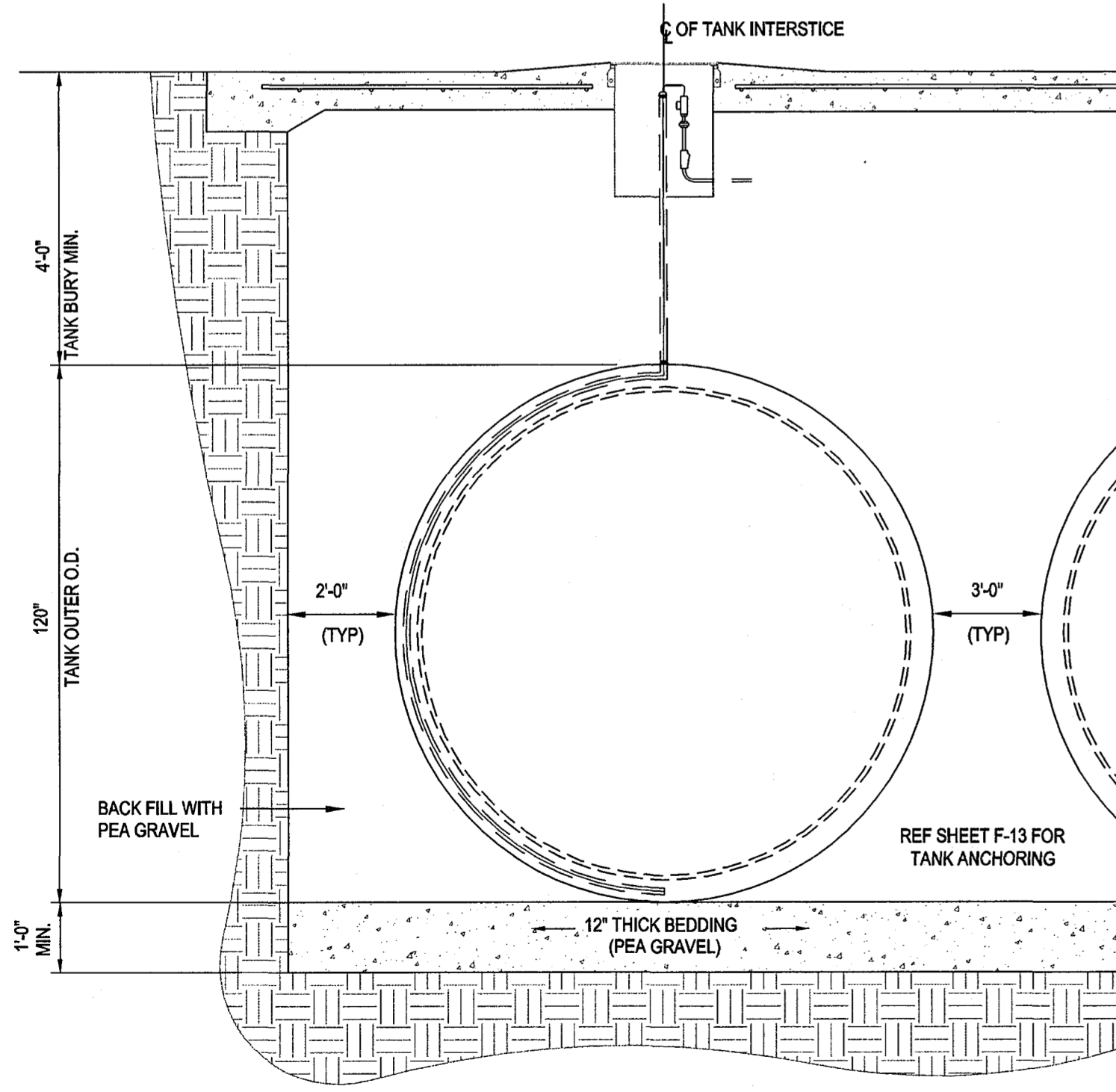
| PIPE NORMAL SIZE | HOLE SAW SIZE |
|------------------|---------------|
| 2" Ø FRP PIPE | 3" |
| 3" Ø FRP PIPE | 4" |
| 4" Ø FRP PIPE | 5" |

NOTE: SUMP AND PENETRATIONS OF SUMP SHALL BE WATER TIGHT.
NOTE: BRAVO FITTINGS SHALL BE INSTALLED PER MANUFACTURE INSTALLATION INSTRUCTIONS

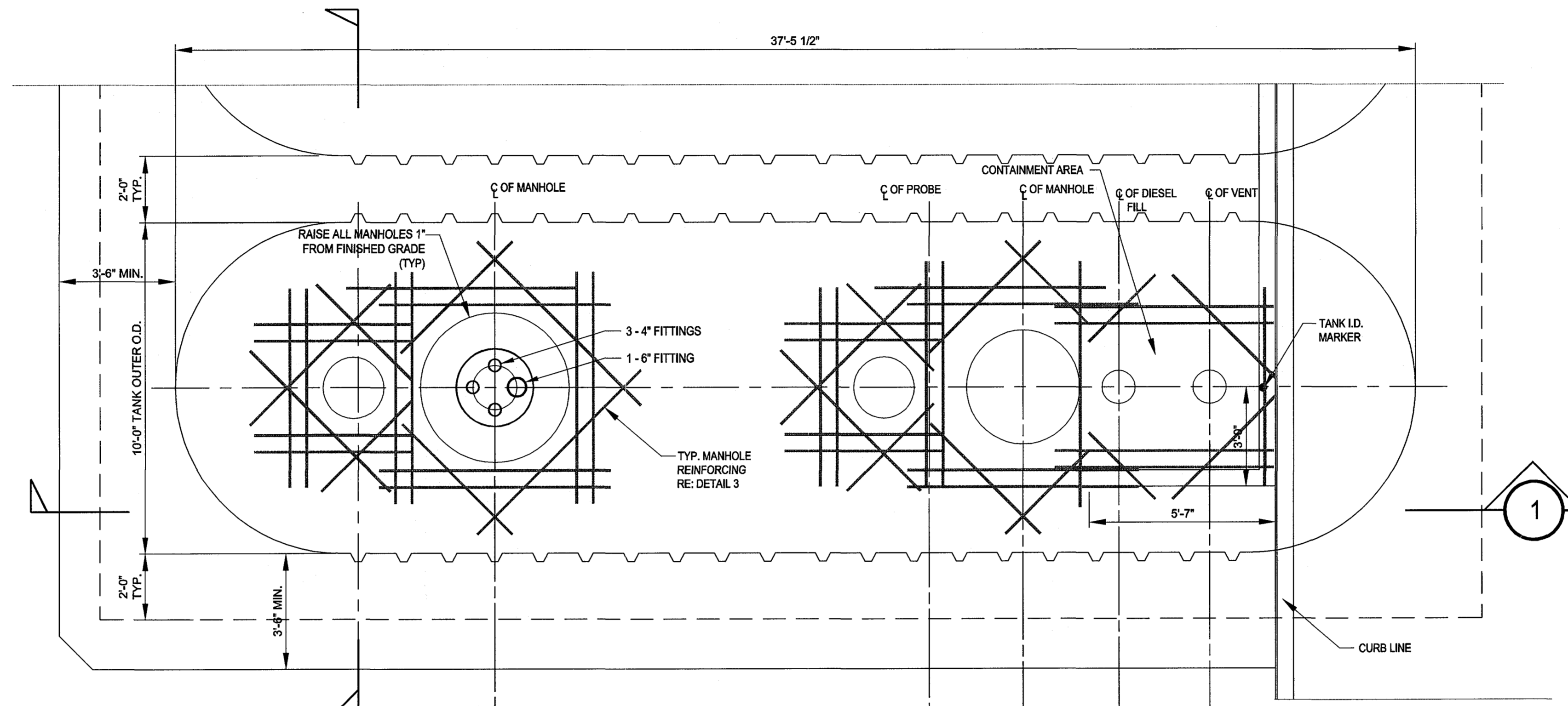
4 PIPE SUMP ENTRY DETAIL
NOT TO SCALE



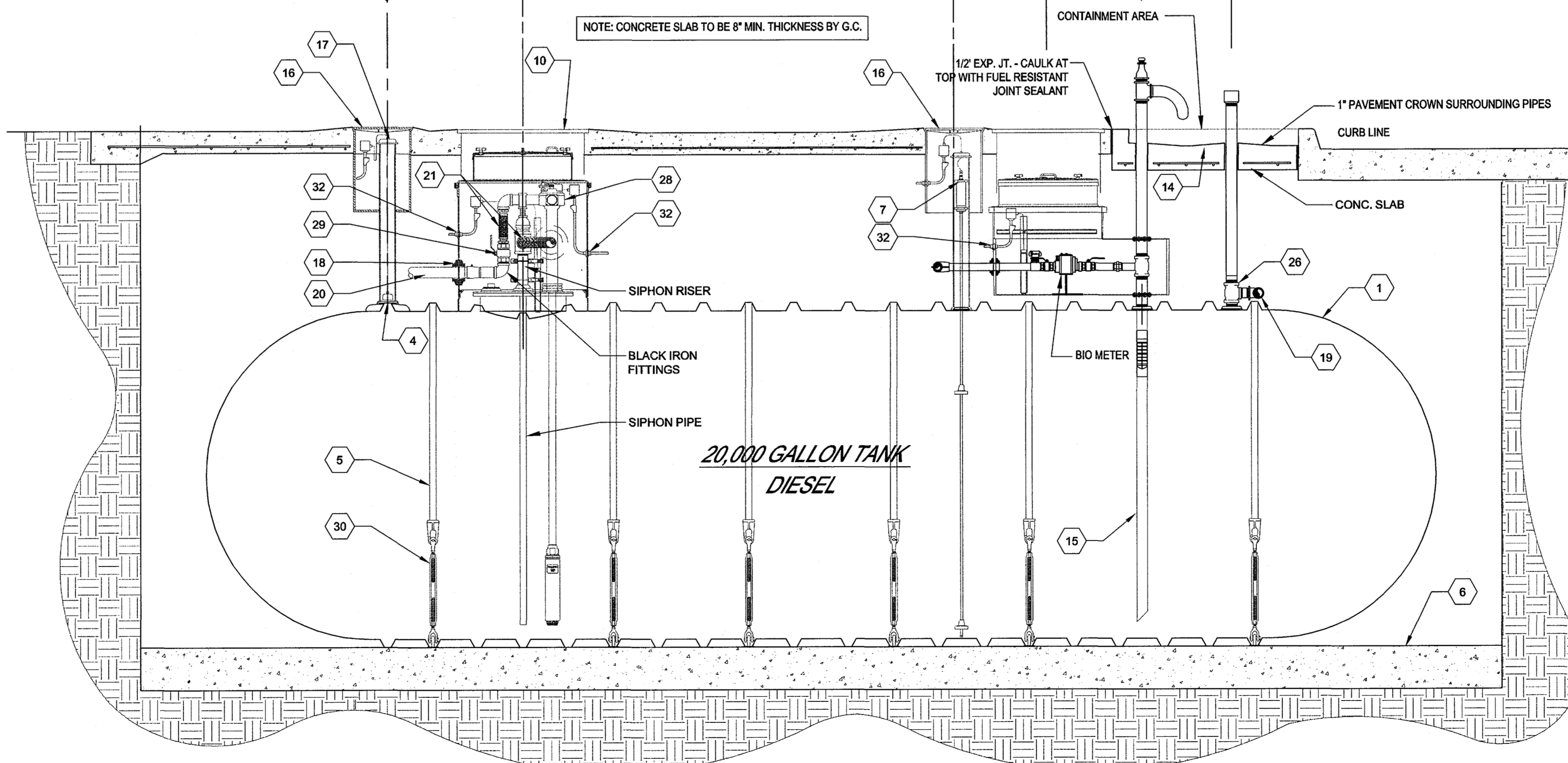
3 TYPICAL REINFORCING AT SLAB OPENINGS
NOT TO SCALE



2 TYPICAL CROSS-SECTION OF TANKS
NOT TO SCALE



1 TYPICAL U.G. TANK W/CONNECTION DETAILS - ELEVATION VIEW
NOT TO SCALE



- GENERAL NOTES:
- TANK SLAB SHALL BE PER PAVING SITE PLAN.
 - SET ALL MANHOLE COVERS LEVEL.
 - RAISE MANHOLES 1" AT MINIMUM GRADE DIFFERENTIAL AND 4" MAXIMUM DIFFERENTIAL FROM SURROUNDING SLAB
 - CONCRETE SLAB SLOPE SHOULD BE APPROXIMATELY 1% TO 2% UNLESS INDICATED OTHERWISE IN THE GRADING PLAN.
 - AVOID DRAINAGE RUN-OFF OVER THE TANK AREA. MAINTAIN WATER FLOW LINES AWAY FROM MANHOLES. REFER TO GRADING PLAN.
 - NO TRAFFIC LOAD WILL BE ALLOWED IN THE FIRST SEVEN DAYS.

| NO. | MANUF. | MODEL | DESCRIPTION | NO. | MANUF. | MODEL | DESCRIPTION |
|-----|----------|------------------|---|-----|----------|---|--|
| 1 | FRANKLIN | DFE217X12 | FLEXIBLE CONNECTOR - 3X12 MM/EZ FIT | 21 | FRANKLIN | 20,000 GAL. DOUBLE WALL FIBERGLASS STORAGE TANK | |
| 2 | | | NOT USED | 22 | | | 48" FIBERGLASS ATTACHED COLLAR |
| 3 | | | NOT USED | 23 | | | 48" WATERTIGHT FIBERGLASS ATTACHED COLLAR RISER |
| 4 | FRANKLIN | TSP-EIS | INTERSTITIAL MONITOR (DRY) | 24 | | | FIBERGLASS HOLD DOWN STRAP |
| 5 | | | NOT USED | 25 | MORRISON | MR-865-0101 | EXTRACTOR ASSEMBLY - 4X4X3 |
| 6 | FRANKLIN | TSP-L12-126 | LEVEL PROBE | 26 | | | NOT USED |
| 7 | FRANKLIN | TSP-L12-126 | LIQUID LEAK SENSOR | 27 | FRANKLIN | STP-5 | SUBMERSIBLE TURBINE PUMP - HI FLOW 5 HP |
| 8 | FRANKLIN | TSP-L12-126 | NOT USED | 28 | | | BALL VALVE |
| 9 | FRANKLIN | FLX-14URT-4210 | 42" COMPOSITE - LARGE ROUND MANHOLE (RING AND COVER) | 29 | FRANKLIN | TSP-K4A | TURNBUCKLE ASSEMBLY - FURNISHED BY FUEL CONTRACTOR |
| 10 | FRANKLIN | 705-545-101-GHKT | FIVE GALLON - SPILL FILL MANHOLE (REPLACEABLE STYLE) W/ DRAIN | 30 | FRANKLIN | BR-F | FIBERGLASS ELECTRICAL ENTRY FITTING (S) |
| 11 | FRANKLIN | 777-201-42 | FILL CAP - TOP SEAL | 31 | S. BRAVO | | NOT USED |
| 12 | FRANKLIN | SWF-100-SS | FILL ADAPTER - TOP SEAL WITH SWIVEL | 32 | | | NOT USED |
| 13 | FRANKLIN | 708692902 | PRODUCT LABEL MARKER (EMBEDDED) | 33 | | | NOT USED |
| 14 | FRANKLIN | EW-A0721-001 | DROP TUBE OVER FILL PROTECTION | 34 | | | NOT USED |
| 15 | FRANKLIN | 708692902 | 18" MONITORING MANHOLE-ANNULUS ENCLOSED W/ 4" OPENING | 35 | | | NOT USED |
| 16 | EMCO | EW-A0721-001 | 4" SENSOR CAP | 36 | | | NOT USED |
| 17 | FRANKLIN | TSP-KV4 | FIBERGLASS ENTRY FITTINGS(S) | 37 | | | NOT USED |
| 18 | S. BRAVO | BR-F | SINGLE WALL VENT PIPING | 38 | | | NOT USED |
| 19 | AMERON | LCX | DOUBLE WALL PRODUCT SUPPLY PIPING 3" LCX (NO EQUAL) | 39 | | | NOT USED |
| 20 | | | | 40 | | | NOT USED |

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TALLEYSVILLE, VA 23140

Love's
Travel Stop & Country Stores

FUELING TIER 1

PROJECT NUMBER: 07-16-88035

COMMONWEALTH OF VIRGINIA
RYAN S. RAY
Lic. No. 043547
PROFESSIONAL ENGINEER

JUL 18 2016

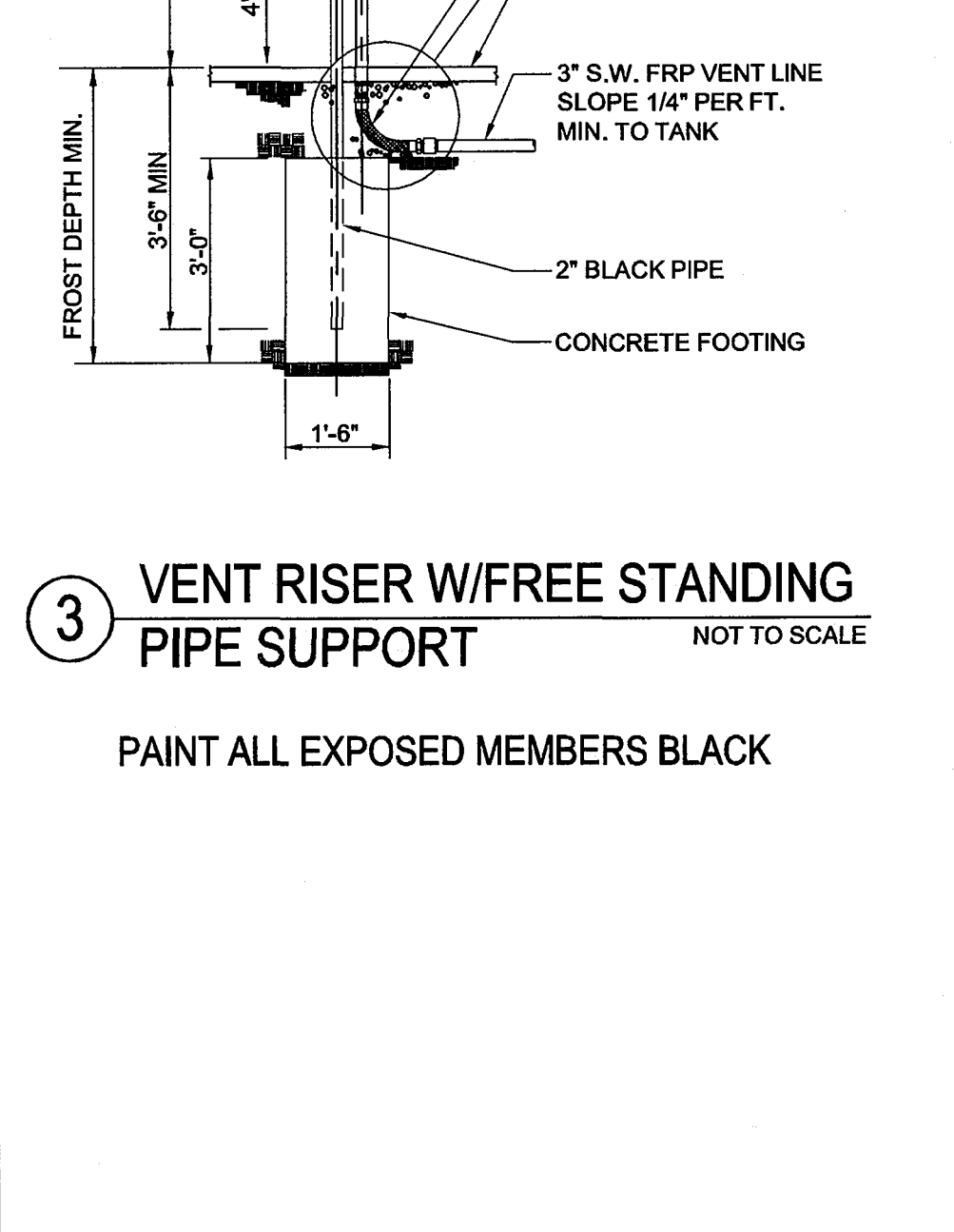
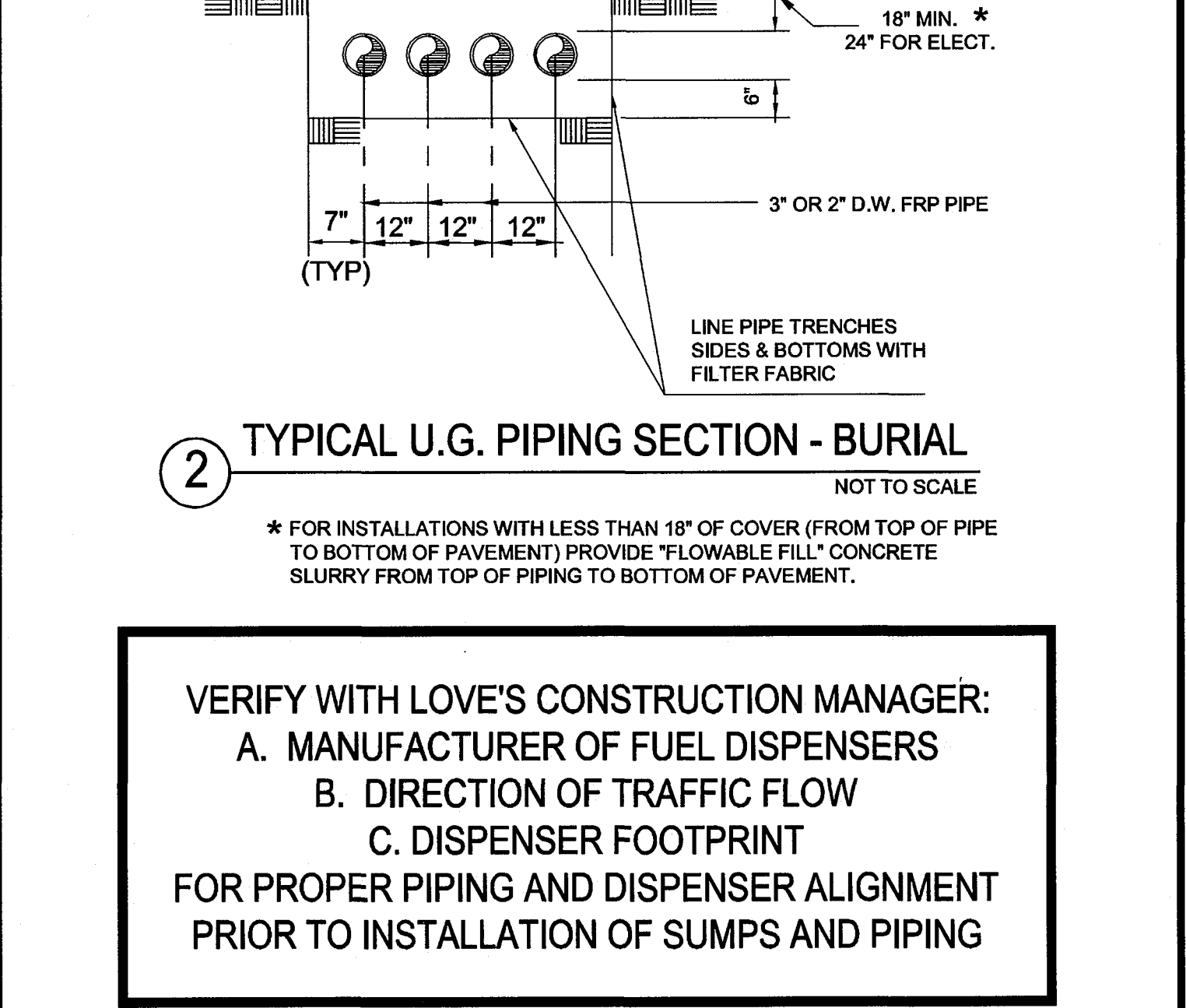
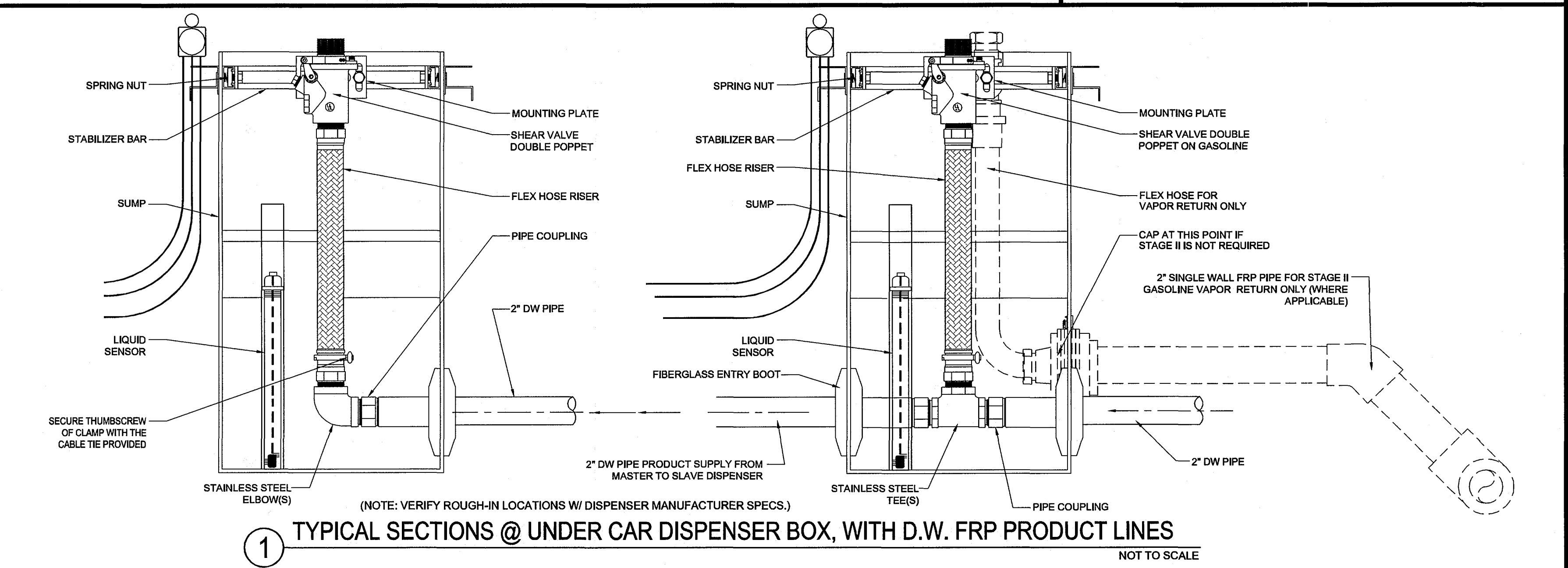
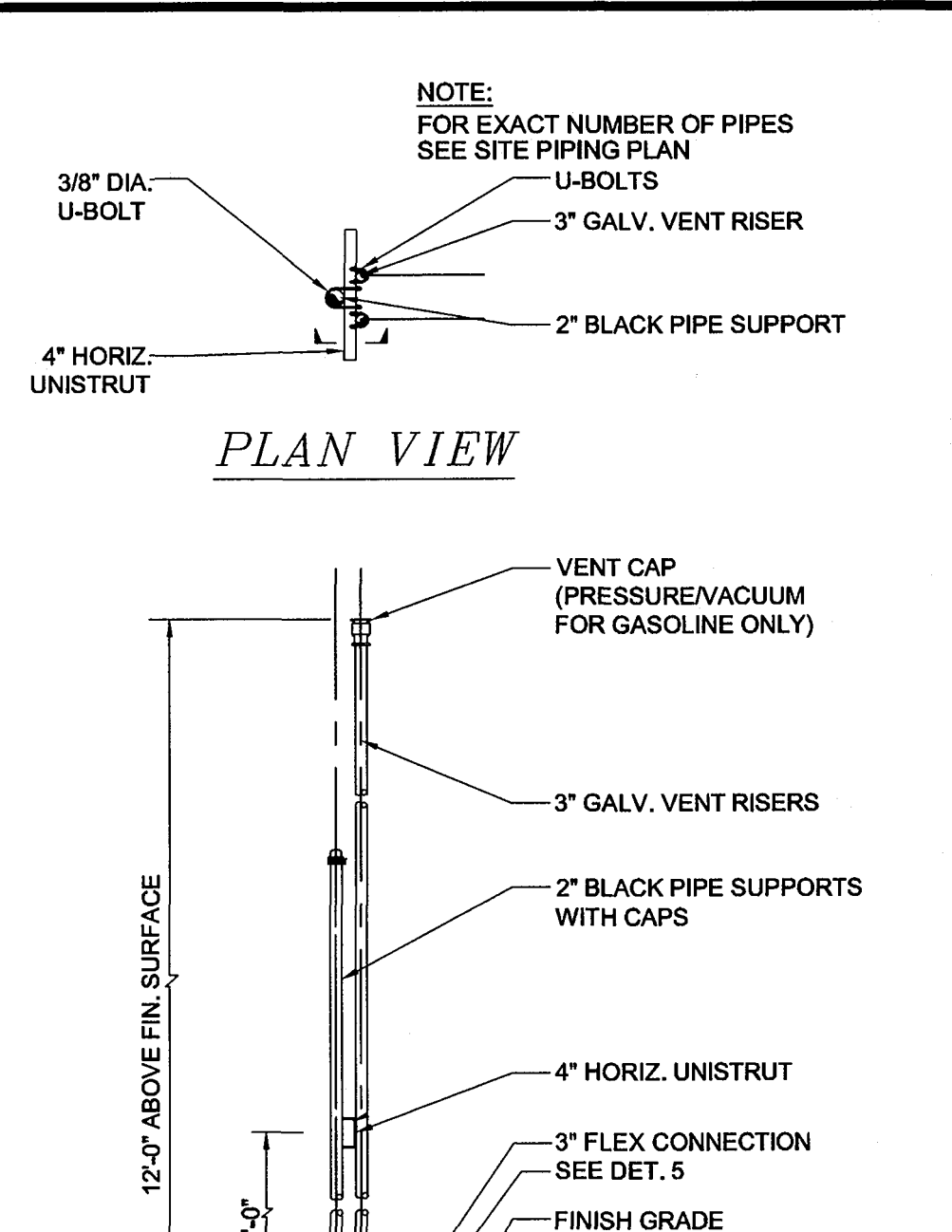
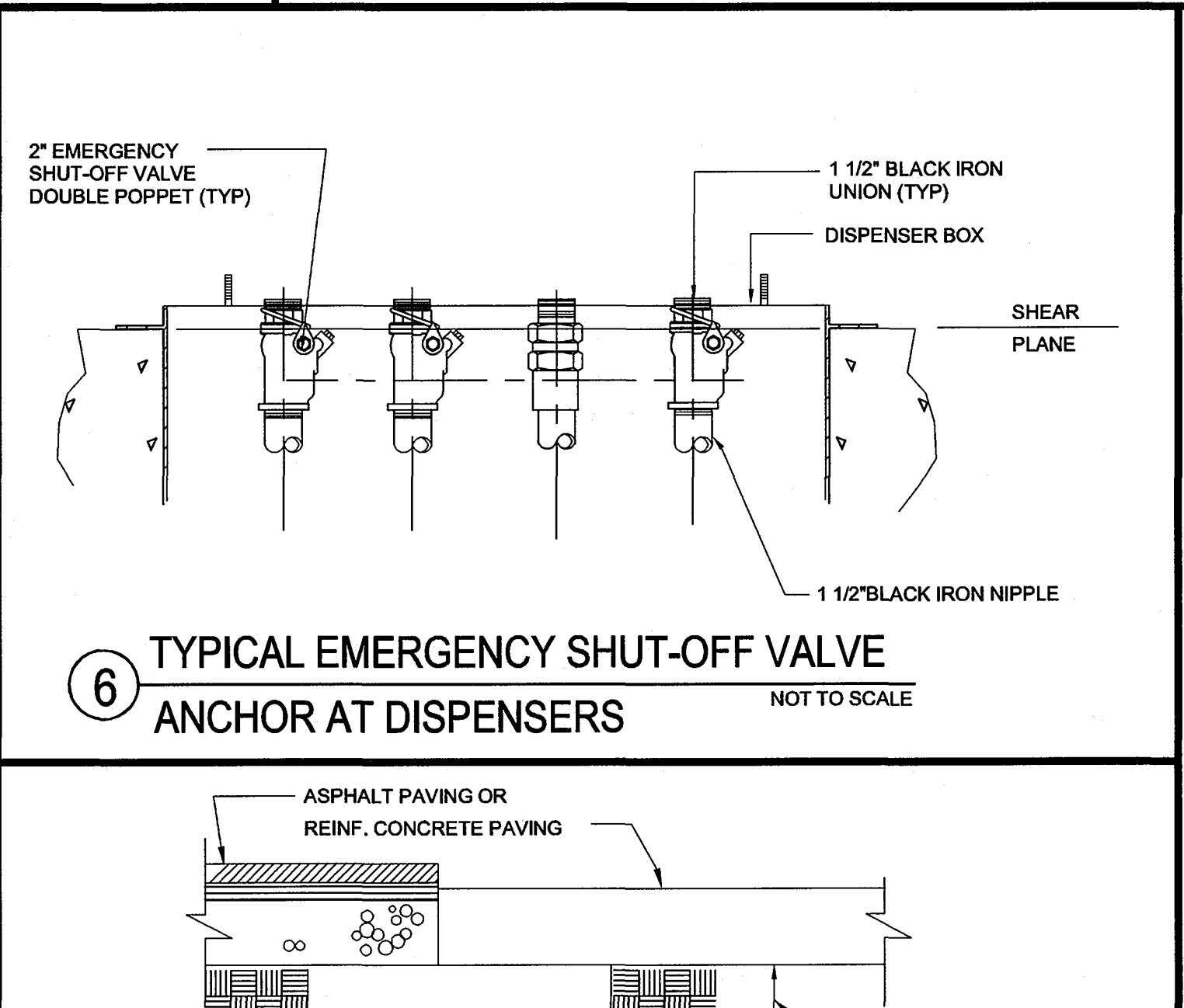
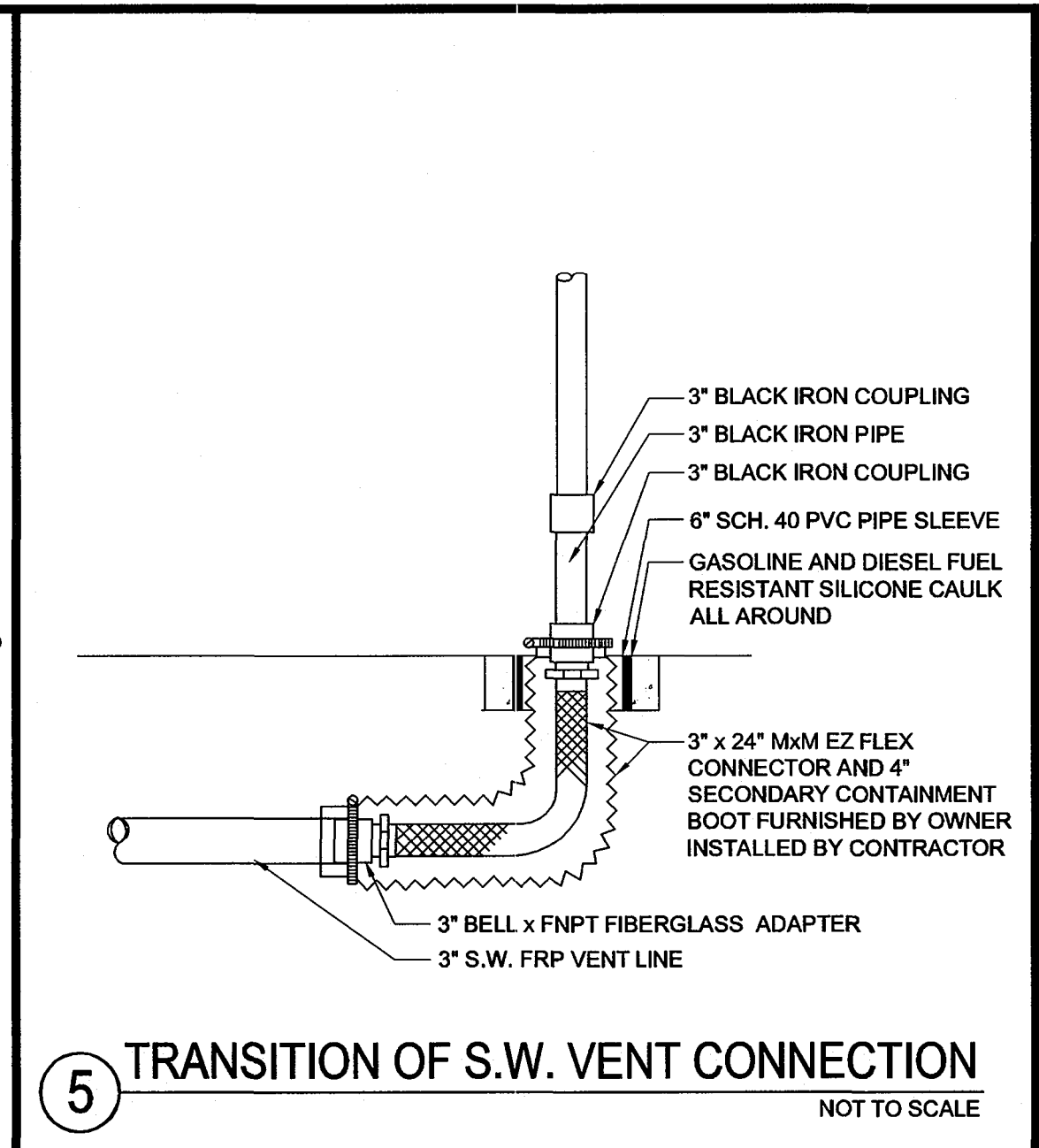
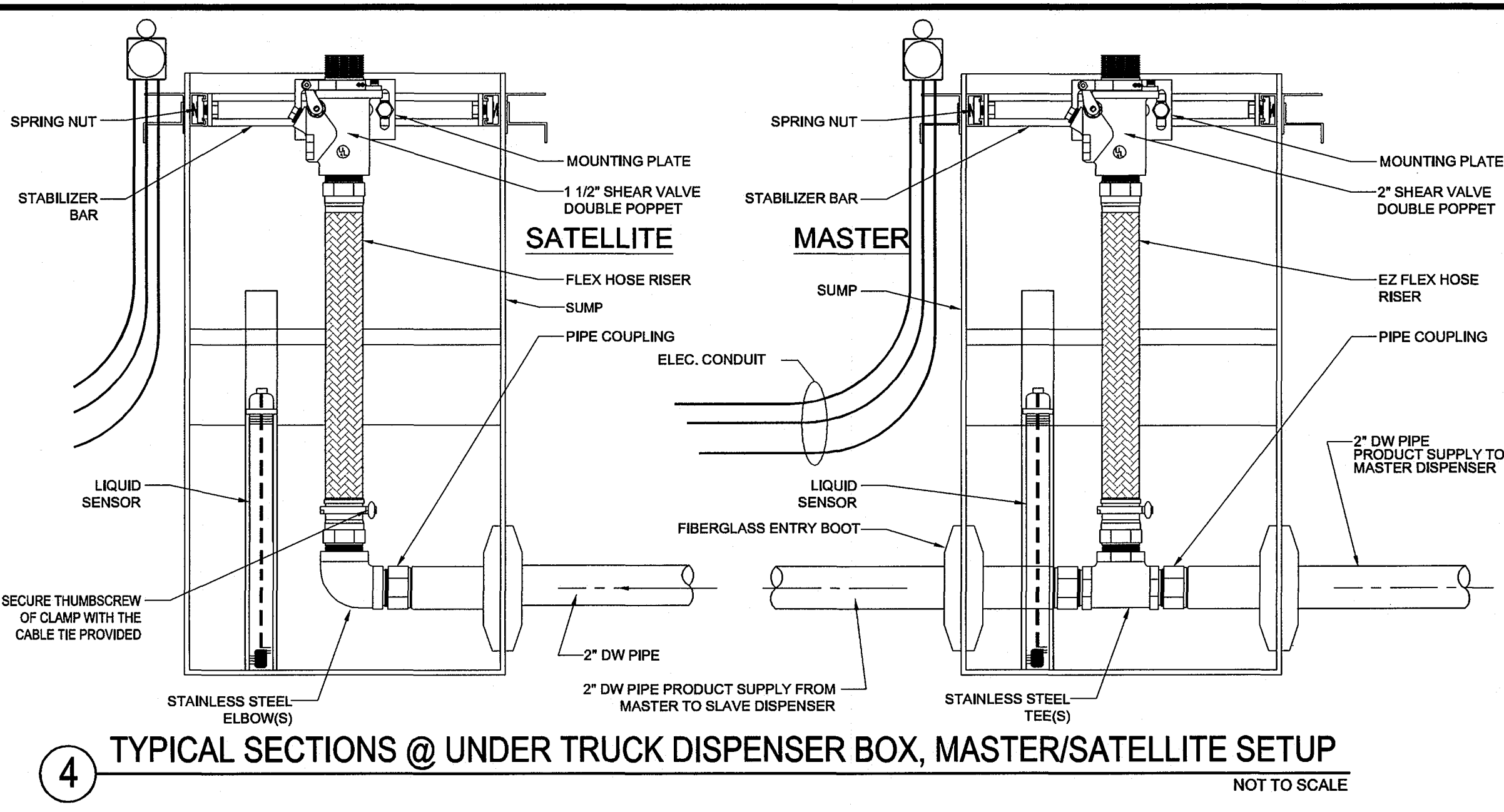
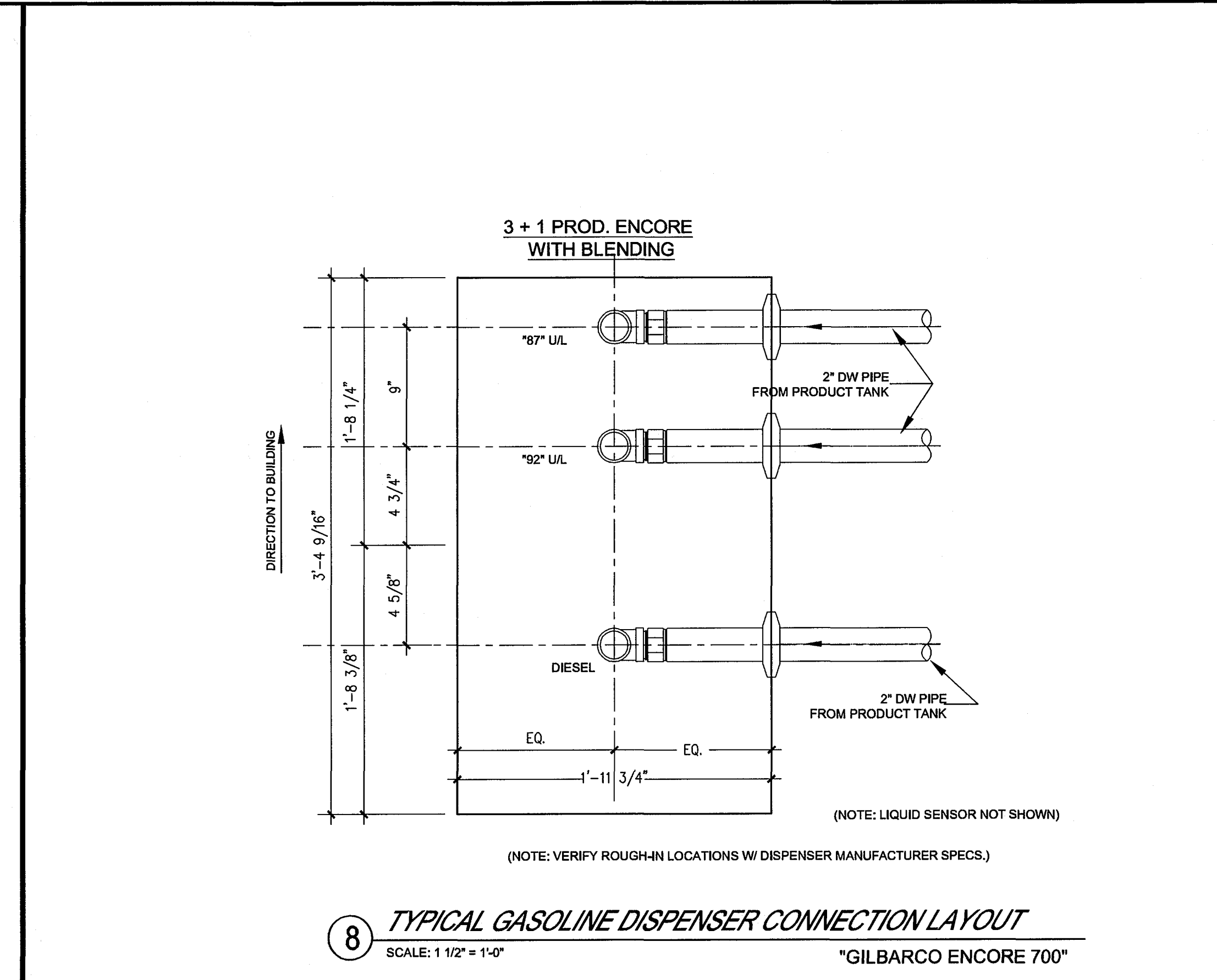
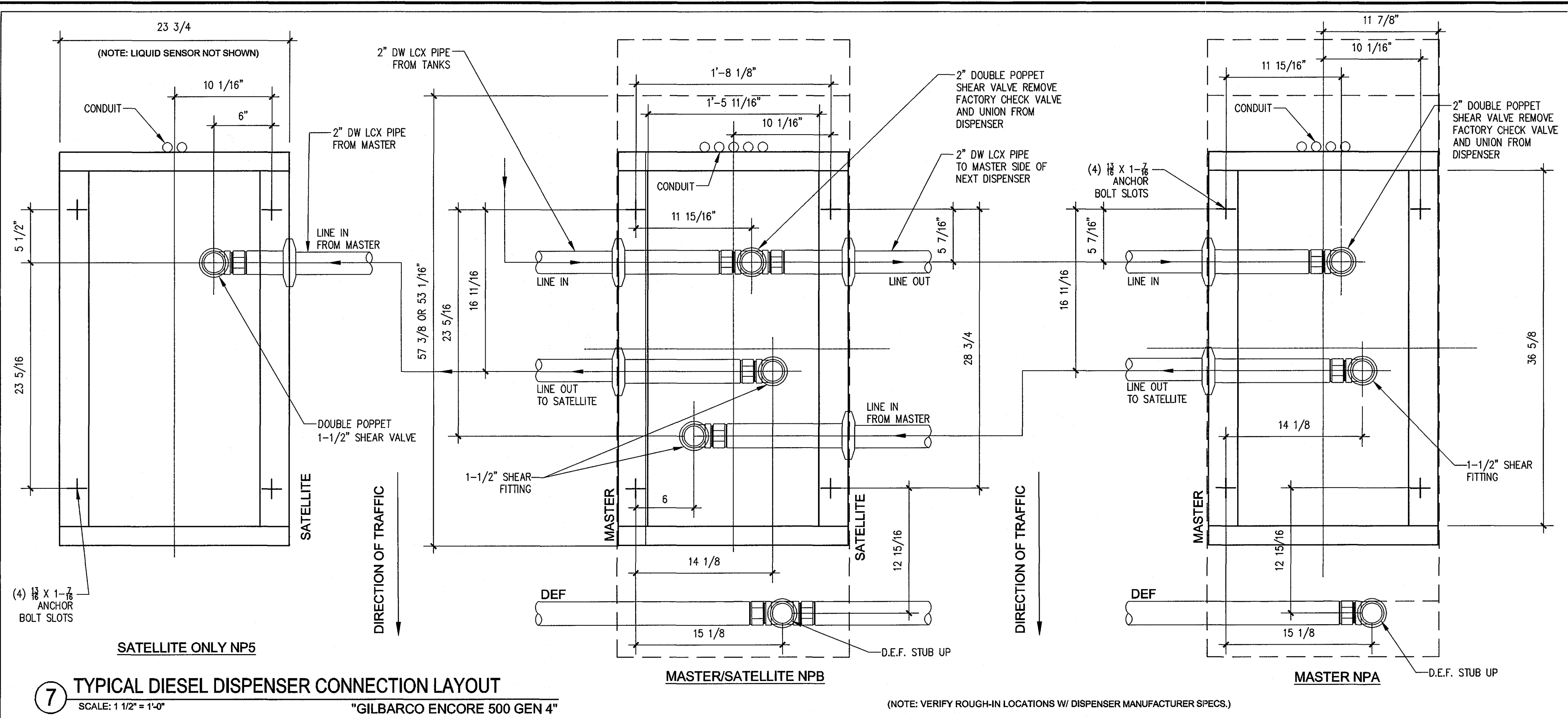
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STORE NO. XXXX
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TYPICAL DIESEL TANK LAYOUT

SHEET: **F-7**



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TALLEYSVILLE, VA 23140
FUELING
PROJECT NUMBER: 07-16-88035 TIER 1

Love's Travel Stop & Country Stores

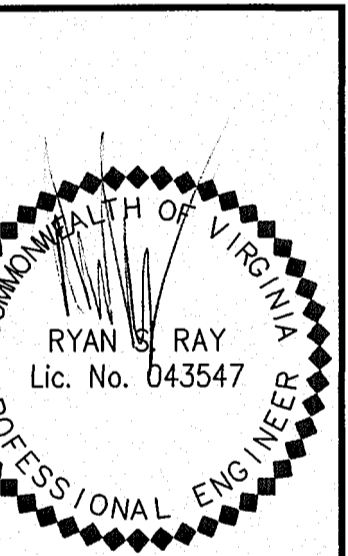
RYAN STRAY
Lic. No. 043547
PROFESSIONAL ENGINEER
JUL 18 2016

JUL18,2016-3:38pm - User: wjy@hfa.com
J:\07\07-16-88035 Loves Talleyville, VA\Fuel\Wet Fuel Dwg\F11 - DISPENSER PIPING CONNECTION.dwg

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TALLEYSVILLE, VA 23140
FUELING
PROJECT NUMBER: 07-16-98035
TIER 1

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JUL 18 2016

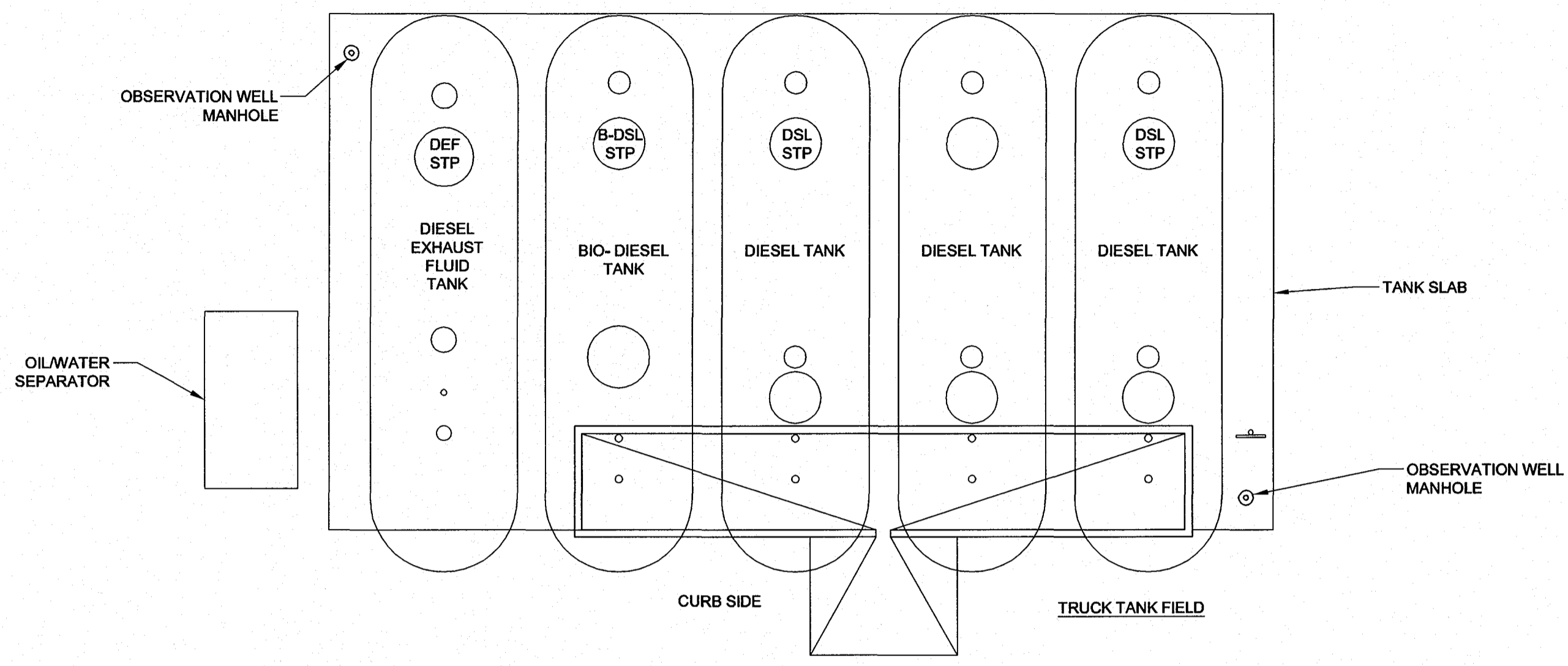
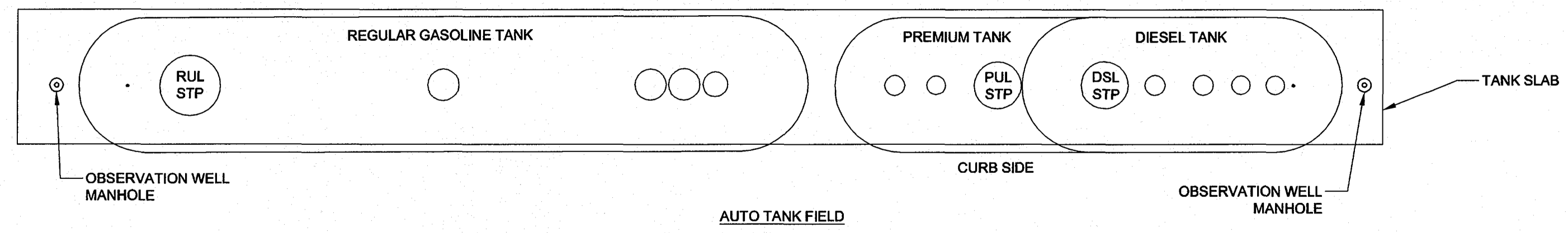
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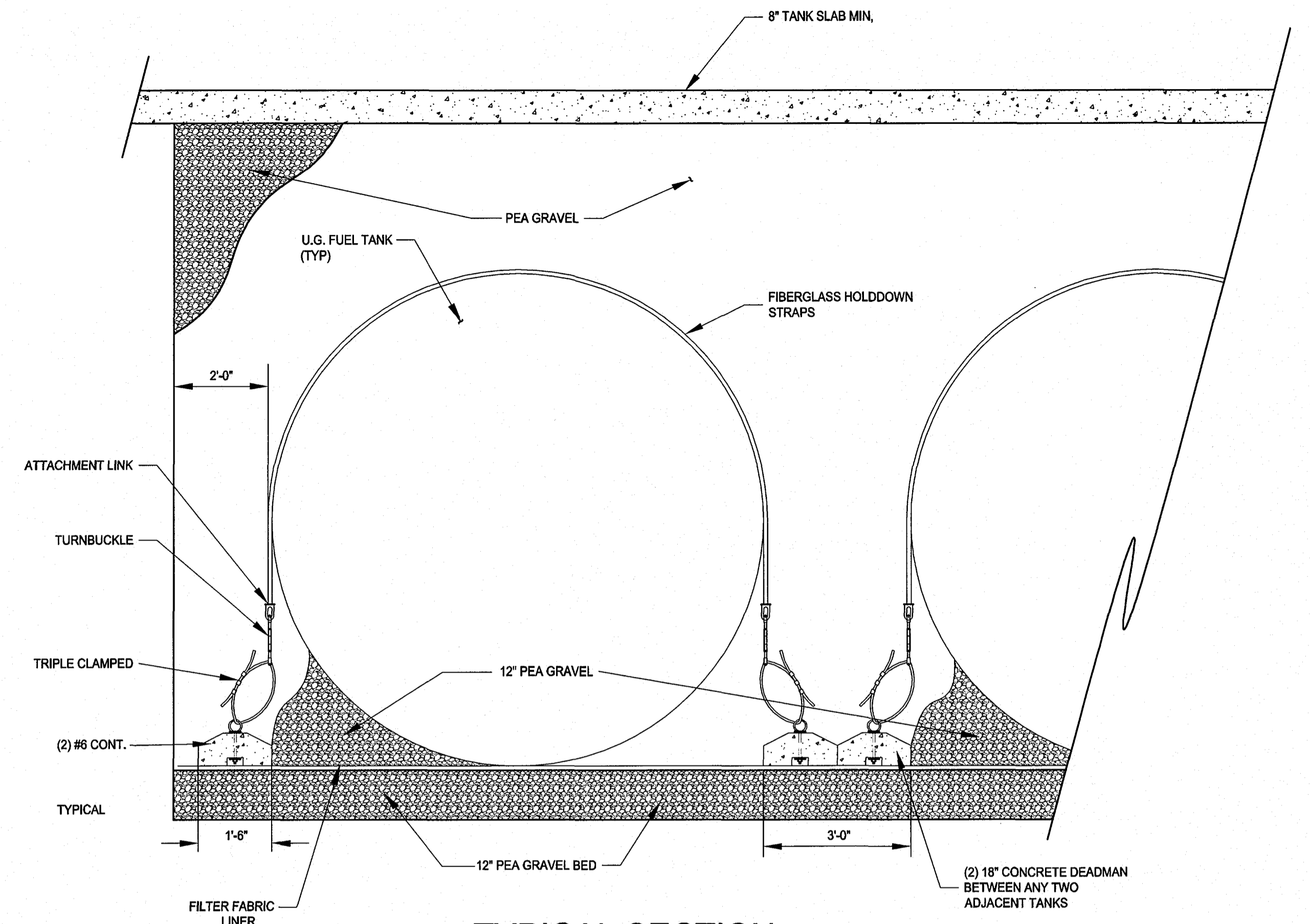
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TANK ANCHORING AND OBSERVATION WELL DETAILS

SHEET: **F-13**



OBSERVATION WELL LOCATIONS AT TANK SLAB
NOT TO SCALE



TYPICAL SECTION
NOT TO SCALE

IF TANK EXCAVATION IS APT TO FILL WITH WATER FROM ANY SOURCE, TANK IS TO BE BALLASTED WITH CLEAN WATER. AT NO TIME IS BALLAST WATER LEVEL IN TANK TO EXCEED LEVEL OF WATER (OR BACKFILL) IN TANK EXCAVATION. AFTER INSTALLATION, ALL WATER IS TO BE REMOVED BY PUMPING WITH SUCTION HOSE AT LOW END OF TANK. AFTER WATER IS REMOVED, CIRCULATE DRY COMPRESSED AIR THROUGH TANK OPENINGS TO DRY TANK INTERIOR. ALL TANK OPENINGS MUST BE LEFT OPEN DURING THIS DRYING OPERATION. CONTRACTOR MUST PROVIDE CERTIFICATION THAT THE TANK WAS DRIED COMPLETELY AND IS CLEAN. **DO NOT USE TURBINE PUMP TO EMPTY WATER IN TANK.**

DEADMEN / ANCHORING INSTALLATION

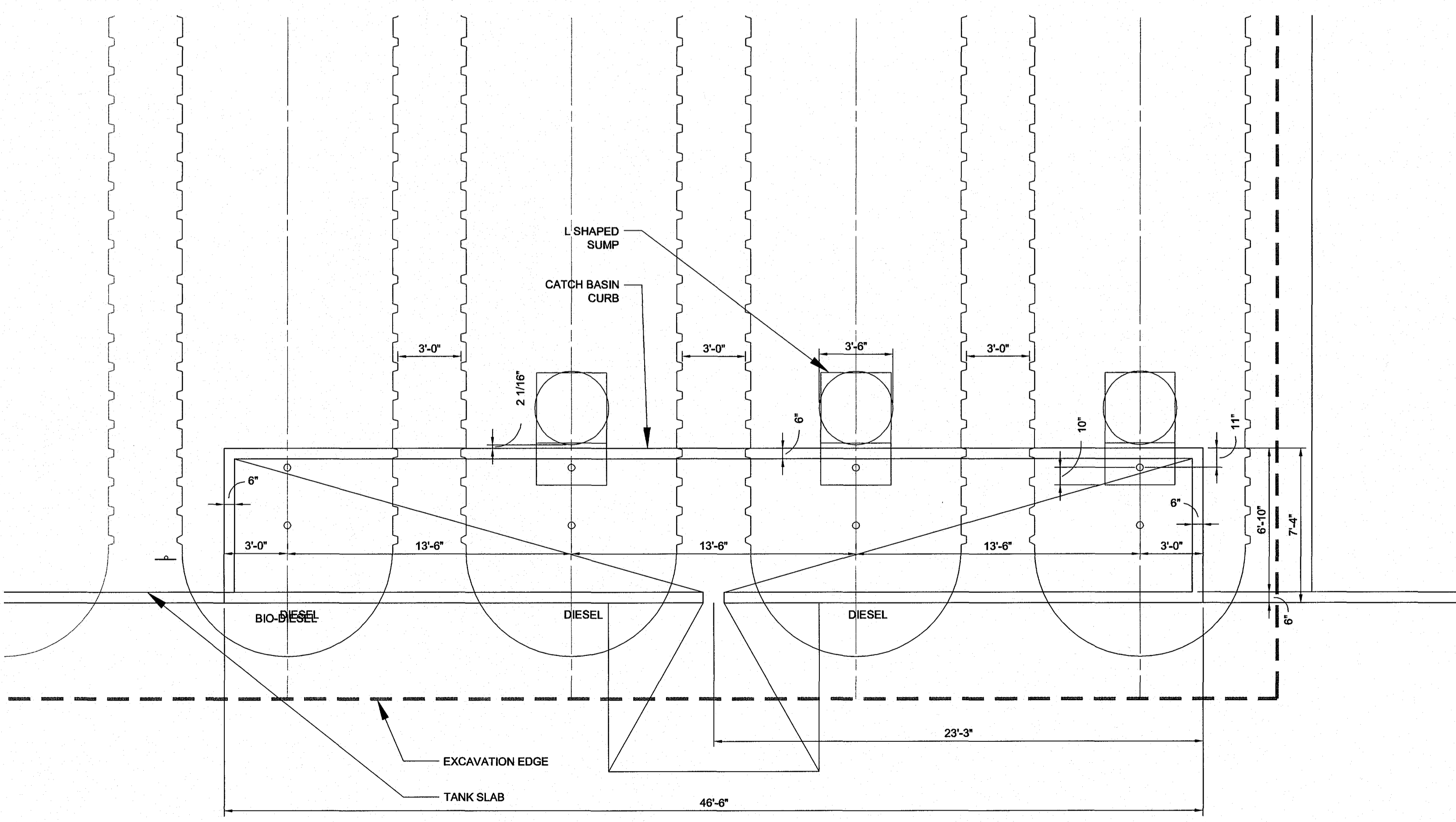
- CONTRACTOR IS TO INSTALL DEADMEN IN SUCH A MANNER AS TO NOT REQUIRE PERSONNEL IN THE BOTTOM OF THE EXCAVATION. THESE INSTALLATIONS ARE INTENDED TO BE ONLY A GUIDE. CONTRACTOR MUST COMPLY WITH ALL APPLICABLE OSHA OR CAL/OSHA REGULATIONS.
- CONCRETE DEADMEN SHALL BE PRECAST ABOVE GRADE WITH ANCHOR RODS IN PLACE, ON CENTERS (AS SHOWN), A MINIMUM OF 7 DAYS PRIOR TO INSTALLATION.
- PROPERLY POSITION DEADMEN IN THE HOLE (ON TOP OF FILTER FABRIC) PRIOR TO ANY BACKFILL.
- PLACE A 12" THICK BED OF PEA GRAVEL AND GRADE SMOOTH.
- SET TANKS ON PEA GRAVEL BED.
- BACKFILL TO CENTERLINE OF TANKS.
- POSITION ANCHOR STRAPS AND ATTACH TO ANCHOR RODS. TIGHTEN TO OBTAIN A SNUG FIT.
- BACKFILL TO TOP OF TANK.

GENERAL NOTES:

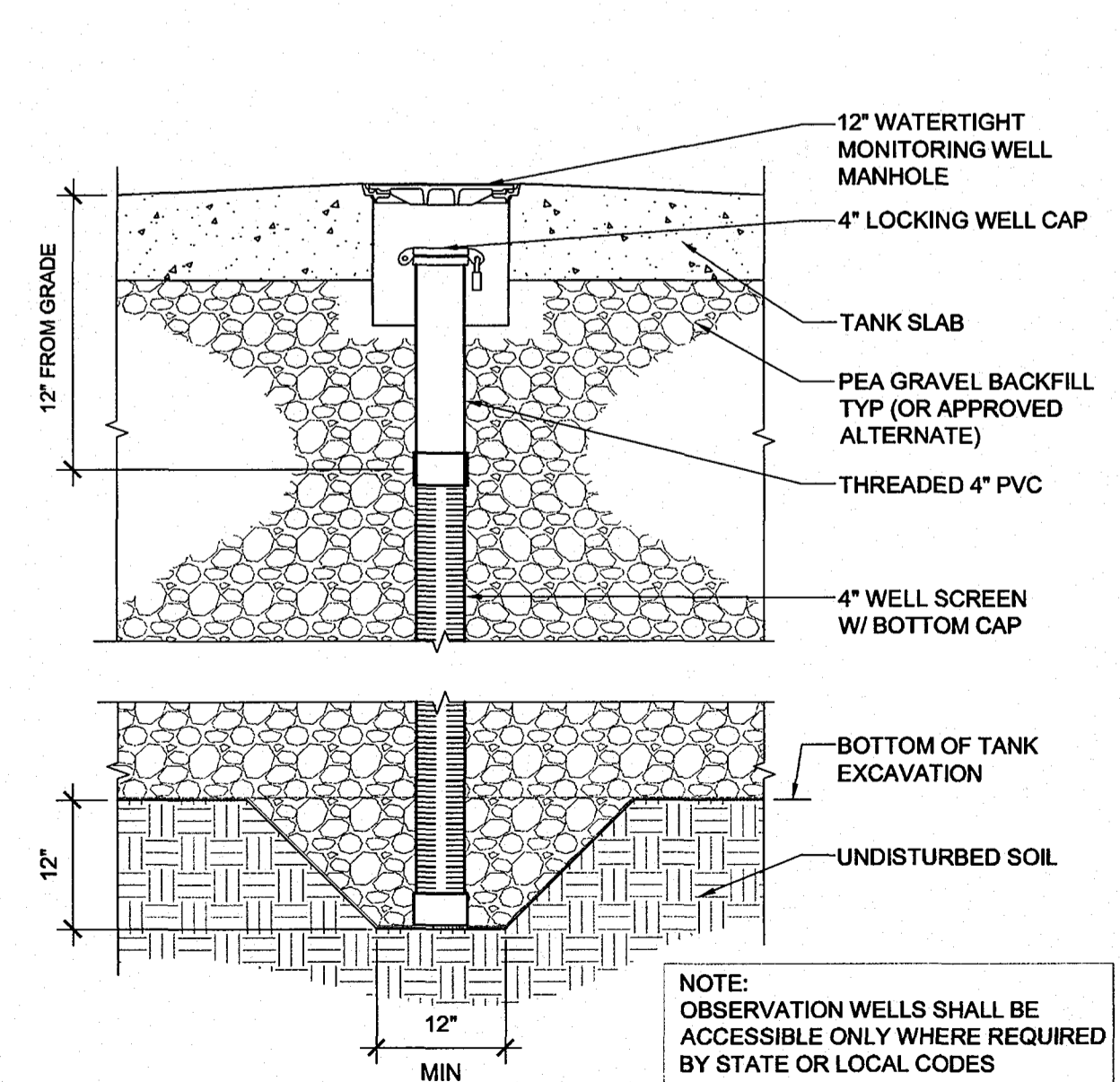
- TANK ANCHORING SHALL BE INSTALLED ONLY WHEN APPROVED BY OWNER AND AS REQUIRED BY LOCAL AGENCIES. IT IS RECOMMENDED THAT TANKS BE ANCHORED FOR INSTALLATIONS WHERE GROUND WATER IS LESS THAN 16 FEET BELOW GRADE.
- FOR HOLD-DOWN STRAP LOCATIONS, REFER TO DETAIL HEREON.
- 2,000 GALLON OIL-WATER SEPARATOR TANK, WHEN INSTALLED, TO BE ANCHORED PER MANUFACTURER'S SPECIFICATIONS.

REQUIRING ANCHORING. (ALL WET HOLE CONDITIONS)

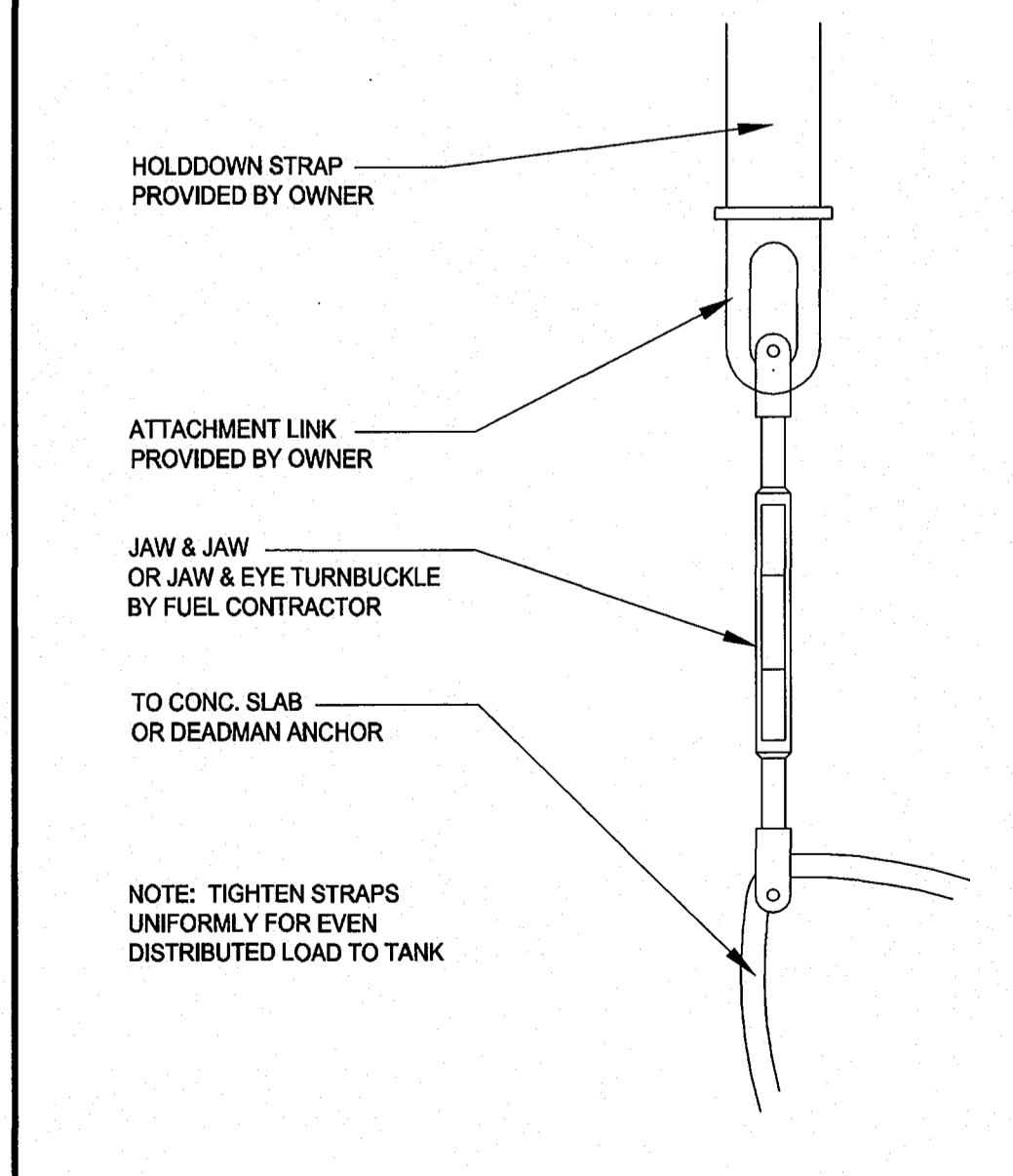
PROVIDE AN ALTERNATE PRICE (No. 2) TO PROVIDE & INSTALL DEADMEN ANCHORS TO ALL UNDERGROUND FUEL TANKS & OIL-WATER SEPARATOR



DIESEL TANK CATCH BASIN DETAIL
NOT TO SCALE

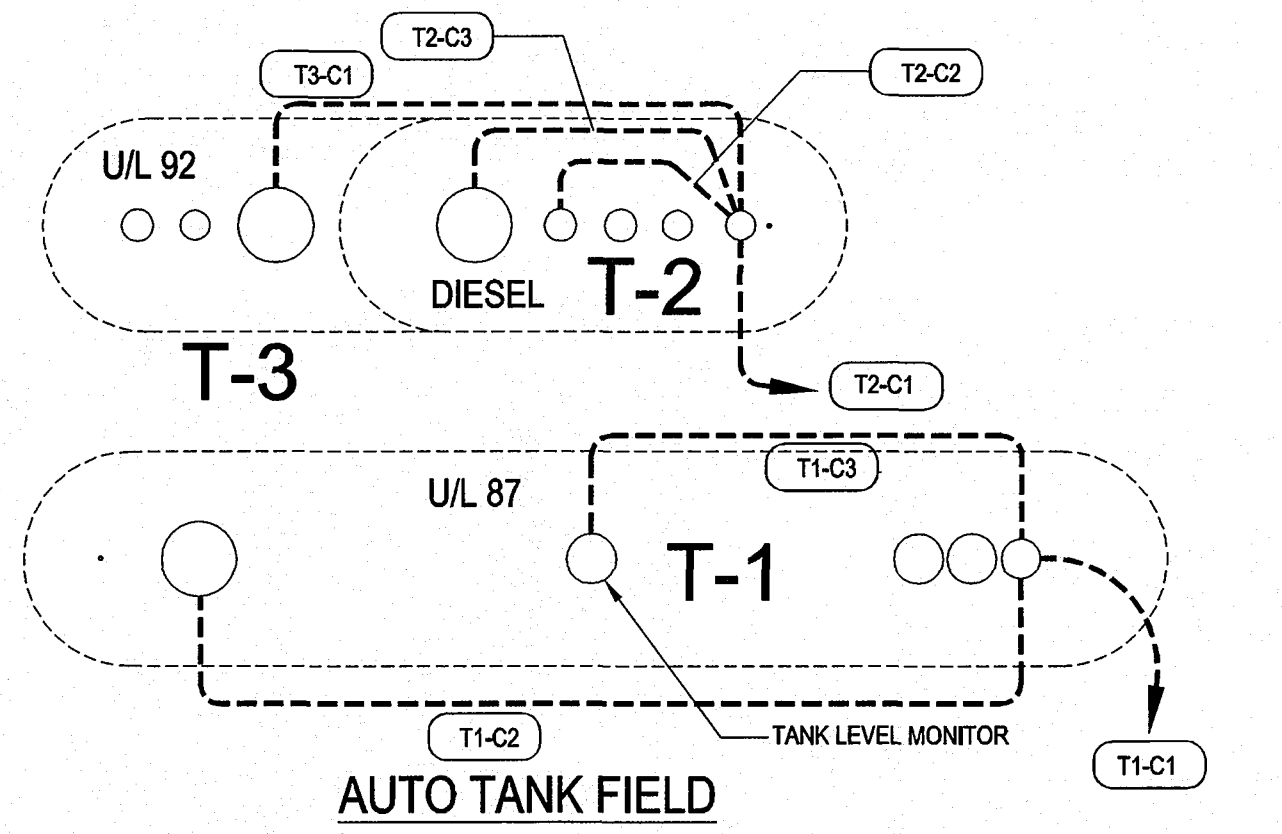


OBSERVATION WELL AT TANK SLAB
NOT TO SCALE

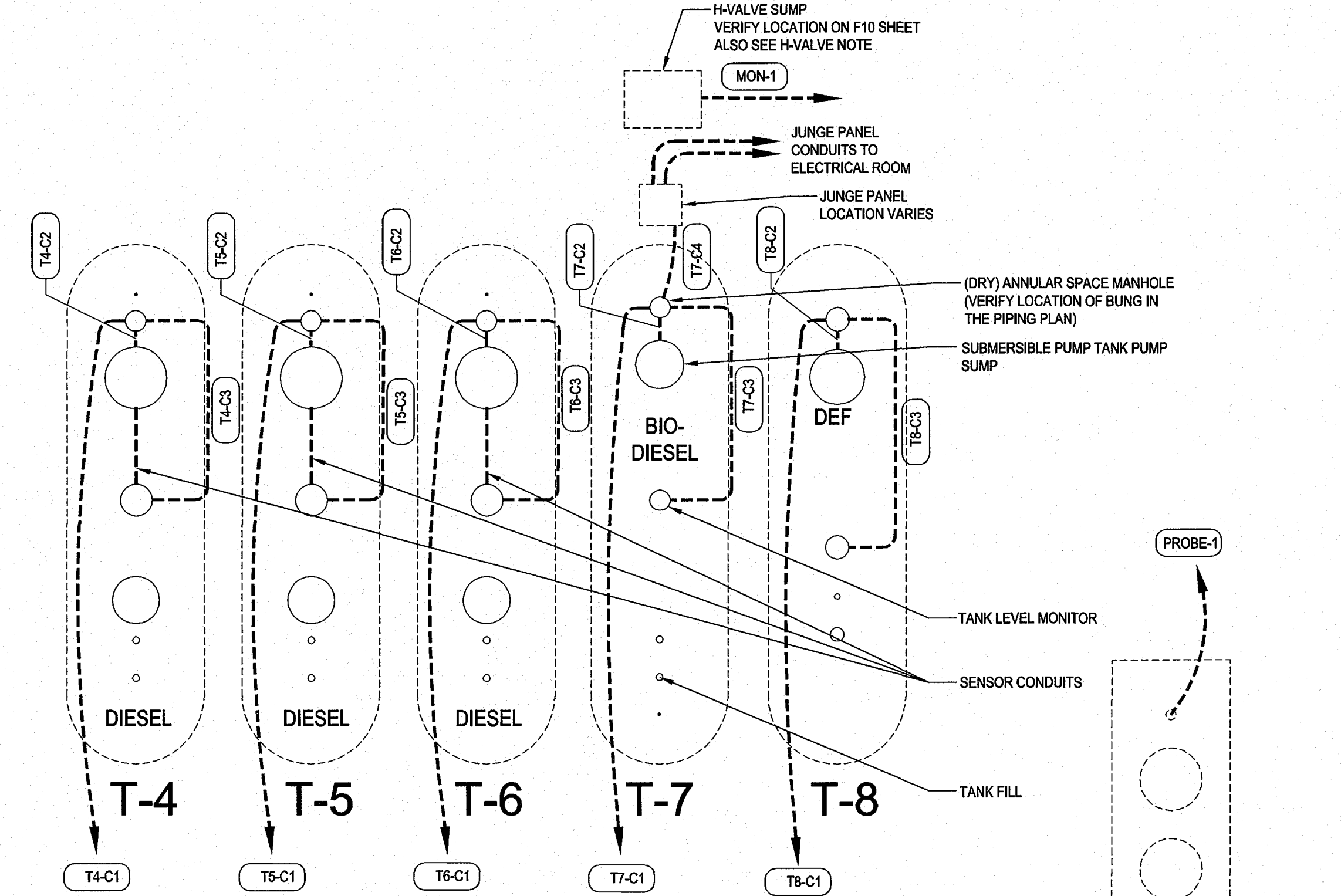


TYPICAL TURNBUCKLE ATTACHMENT
NOT TO SCALE

Jul18,2016 3:39pm - User: waylon.barnes - J:\07\07-16-98035 Loves Talleyville, VA\FuelWet Fuel Dwg\F13 - TANK ANCHOR DETAIL.dwg



AUTO TANK FIELD



2 TYPICAL TANK MONITORING CONDUIT DIAGRAM
NOT TO SCALE

REFER TO CIVIL DRAWINGS FOR OIL/WATER SEPARATOR LOCATION, DETAILS AND SPECS.

8 TANK SINGLE TANK FIELD LAYOUT

| CONDUIT TYPE | DEF TANK | BIO-DIESEL TANK | 20K DIESEL TANK | 20K DIESEL TANK | 20K DIESEL TANK | RUL 12K TANK | PUL 8K TANK | RUL TANK | TOTAL CONDUIT QUANTITY |
|-----------------------------------|----------|-----------------|-----------------|-----------------|-----------------|--------------|-------------|----------|------------------------|
| MONITOR CONDUIT | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 7 |
| POWER CONDUIT | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 9 |
| H-VALVE SUMP | | | | | | | | | 2 |
| JUNGE BOX | | | | | | | | | 2 |
| OIL/WATER PROBE | | | | | | | | | 1 |
| TOTAL TANK FIELD CONDUIT QUANTITY | | | | | | | | | 21 |

7 TANK SINGLE TANK FIELD LAYOUT

| CONDUIT TYPE | DEF TANK | BIO-DIESEL TANK | 30K DIESEL TANK | 30K DIESEL TANK | | RUL 12K TANK | PUL 8K TANK | RUL TANK | TOTAL CONDUIT QUANTITY |
|-----------------------------------|----------|-----------------|-----------------|-----------------|--|--------------|-------------|----------|------------------------|
| MONITOR CONDUIT | 1 | 1 | 1 | 1 | | 1 | | 1 | 6 |
| POWER CONDUIT | 1 | 2 | 1 | 1 | | 1 | 1 | 1 | 8 |
| H-VALVE SUMP | | | | | | | | | 2 |
| JUNGE BOX | | | | | | | | | 2 |
| OIL/WATER PROBE | | | | | | | | | 1 |
| TOTAL TANK FIELD CONDUIT QUANTITY | | | | | | | | | 19 |

8 TANK SPLIT TANK FIELD LAYOUT

| CONDUIT TYPE | DEF TANK | BIO-DIESEL TANK | 20K DIESEL TANK | 20K DIESEL TANK | 20K DIESEL TANK | RUL 12K TANK | PUL 8K TANK | RUL TANK | TOTAL CONDUIT QUANTITY |
|-----------------------------------|----------|-----------------|-----------------|-----------------|-----------------|--------------|-------------|----------|------------------------|
| MONITOR CONDUIT | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 7 |
| POWER CONDUIT | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 9 |
| H-VALVE SUMP | | | | | | | | | 2 |
| JUNGE BOX | | | | | | | | | 2 |
| OIL/WATER PROBE | | | | | | | | | 1 |
| TOTAL TANK FIELD CONDUIT QUANTITY | | | | | | | | | 21 |

7 TANK SPLIT TANK FIELD LAYOUT

| CONDUIT TYPE | DEF TANK | BIO-DIESEL TANK | 30K DIESEL TANK | 30K DIESEL TANK | | RUL 12K TANK | PUL 8K TANK | RUL TANK | TOTAL CONDUIT QUANTITY |
|-----------------------------------|----------|-----------------|-----------------|-----------------|--|--------------|-------------|----------|------------------------|
| MONITOR CONDUIT | 1 | 1 | 1 | 1 | | 1 | | 1 | 6 |
| POWER CONDUIT | 1 | 2 | 1 | 1 | | 1 | 1 | 1 | 8 |
| H-VALVE SUMP | | | | | | | | | 2 |
| JUNGE BOX | | | | | | | | | 2 |
| OIL/WATER PROBE | | | | | | | | | 1 |
| TOTAL TANK FIELD CONDUIT QUANTITY | | | | | | | | | 19 |

SITE MONITORING CONDUIT AND WIRE SCHEDULE - LIQUID SENSORS AND LEVEL PROBES (INTRINSIC)

* = HOMERUN CONDUIT

| CONDUIT TAG | SIZE OF CONDUIT | ORIGIN | TERMINATION | QUANTITY OF WIRES |
|-------------|-----------------|--|--|--|
| ATG | 1" | SEE PANEL MANUFACTURER DRAWINGS FOR CIRCUIT IDENTIFICATION (ISO) | A.C. CIRCUITS ENTRANCE AT THE EVO PANEL | 3-#12 |
| * T1-C1 | 1" | GUTTER-INTRINSIC SECTION | J-BOX AT DRY ANNULAR MANHOLE | (1) 3 - COND. BELDEN 88770 (3) 2 - COND. BELDEN 88760 OR EQUAL |
| T1-C2 | 1" | J-BOX AT DRY ANNULAR MANHOLE | STP SENSOR J-BOX - PLLD AND LIQUID SENSOR | (2) 2 - COND. BELDEN 88760 OR EQUAL |
| T1-C3 | 1" | J-BOX AT DRY ANNULAR MANHOLE | J-BOX - LEVEL PROBE | (1) 2 - COND. BELDEN 88760 OR EQUAL |
| * T2-C1 | 1" | GUTTER-INTRINSIC SECTION | J-BOX AT DRY ANNULAR MANHOLE | (1) 3 - COND. BELDEN 88770 (3) 2 - COND. BELDEN 88760 OR EQUAL |
| T2-C2 | 1" | J-BOX AT DRY ANNULAR MANHOLE | J-BOX - LEVEL PROBE | (1) 2 - COND. BELDEN 88760 OR EQUAL |
| T2-C3 | 1" | J-BOX AT DRY ANNULAR MANHOLE | SENSOR J-BOX - LIQUID SENSOR | (2) 2 - COND. BELDEN 88760 OR EQUAL |
| * T3-C1 | 1" | J-BOX AT DRY ANNULAR MANHOLE | STP SENSOR J-BOX - PLLD, LIQUID SENSOR AND LEVEL PROBE | (3) 2 - COND. BELDEN 88760 OR EQUAL |
| * T4-C1 | 1" | GUTTER-INTRINSIC SECTION | J-BOX AT DRY ANNULAR MANHOLE | (1) 3 - COND. BELDEN 88770 (5) 2 - COND. BELDEN 88760 OR EQUAL |
| T4-C2 | 1" | J-BOX AT DRY ANNULAR MANHOLE | STP SENSOR J-BOX - LIQUID SENSOR | (2) 2 - COND. BELDEN 88760 OR EQUAL |
| T4-C3 | 1" | J-BOX AT DRY ANNULAR MANHOLE | J-BOX - LEVEL PROBE SUMP SENSOR / BIO METER FOR BIO SUMP | (3) 2 - COND. BELDEN 88760 OR EQUAL |
| * T5-C1 | 1" | GUTTER-INTRINSIC SECTION | J-BOX AT DRY ANNULAR MANHOLE | (1) 3 - COND. BELDEN 88770 (5) 2 - COND. BELDEN 88760 OR EQUAL |
| T5-C2 | 1" | J-BOX AT DRY ANNULAR MANHOLE | STP SENSOR J-BOX - PLLD AND LIQUID SENSOR | (2) 2 - COND. BELDEN 88760 OR EQUAL |
| T5-C3 | 1" | J-BOX AT DRY ANNULAR MANHOLE | J-BOX - LEVEL PROBE SUMP SENSOR / BIO METER FOR BIO SUMP | (3) 2 - COND. BELDEN 88760 OR EQUAL |
| * T6-C1 | 1" | GUTTER-INTRINSIC SECTION | J-BOX AT DRY ANNULAR MANHOLE | (1) 3 - COND. BELDEN 88770 (5) 2 - COND. BELDEN 88760 OR EQUAL |
| T6-C2 | 1" | J-BOX AT DRY ANNULAR MANHOLE | STP SENSOR J-BOX - PLLD AND LIQUID SENSOR | (2) 2 - COND. BELDEN 88760 OR EQUAL |
| T6-C3 | 1" | J-BOX AT DRY ANNULAR MANHOLE | J-BOX - LEVEL PROBE SUMP SENSOR / BIO METER FOR BIO SUMP | (3) 2 - COND. BELDEN 88760 OR EQUAL |
| * T7-C0 | 1" | POWER GUTTER | J-BOX - H-VALVE SUMP (DIESEL MANIFOLD SUMP) | |
| * T7-C1 | 1" | GUTTER-INTRINSIC SECTION | J-BOX AT DRY ANNULAR MANHOLE | (1) 3 - COND. BELDEN 88770 (19) 2 - COND. BELDEN 88760 OR EQUAL |
| T7-C2 | 1" | J-BOX AT DRY ANNULAR MANHOLE | STP SUMP (SENSOR) J-BOX - LIQUID SENSOR | (2) 2 - COND. BELDEN 88760 OR EQUAL |
| T7-C3 | 1" | J-BOX AT DRY ANNULAR MANHOLE | BIO RECIRC SUMP | (2) 2 - COND. BELDEN 88760 OR EQUAL |
| T7-C4 | 1" | J-BOX AT DRY ANNULAR MANHOLE | JUNGE PANEL | (7) 2 - COND. BELDEN 88760 OR EQUAL |
| * T8-C1 | 1" | GUTTER-INTRINSIC SECTION | J-BOX AT DRY ANNULAR MANHOLE | (1) 3 - COND. BELDEN 88770 (2) 2 - COND. BELDEN 88760 OR EQUAL |
| T8-C2 | 1" | J-BOX-ANNULAR PROBE | SP SUMP (SENSOR) J-BOX - LIQUID SENSOR | (1) 2 - COND. BELDEN 88760 OR EQUAL |
| T8-C3 | 1" | J-BOX-ANNULAR PROBE | J-BOX - LEVEL PROBE | (1) 2 - COND. BELDEN 88760 OR EQUAL |
| WIN-1 | 1-1/2" | GUTTER-INTRINSIC SECTION | EVO DISPLAY PANEL MOTOR CONTRL. CENTER | (47) BELDEN 88760 OR EQUAL |
| * PROBE-1 | 1" | OIL/WATER SEPARATOR | BUILDING ALARM PANEL | (2) 2 - COND. BELDEN 88760 OR EQUAL |
| MON-1 | 1" | GUTTER-INTRINSIC SECTION | J-BOX - H-VALVE SUMP STP SUMP (SENSOR) J-BOX - LIQUID SENSOR | (2) 2-COND. BELDEN 88760 OR EQUAL |

CONDUIT AND WIRE SCHEDULE - POWER SUPPLY

| CONDUIT TAG | SIZE OF CONDUIT | ORIGIN | TERMINATION | QUANTITY OF WIRES |
|-------------|-----------------|---|--|---|
| T1-P1 | 1" | JUNCTION BOX - A.C. TANK T-1, SUBPUMP #1-1 TANK T-1, SUBPUMP #1-2 | SEE PANEL MANUFACTURER DRAWINGS FOR CIRCUIT IDENTIFICATION | 6-#10, 2-#10 GRD |
| T2-P2 | 1" | JUNCTION BOX - A.C. TANK T-2, SUB-PUMP#2 | SEE PANEL MANUFACTURER DRAWINGS FOR CIRCUIT IDENTIFICATION | 3-#10, 1-#10 GRD, 1-#14 |
| T3-P3 | 1" | JUNCTION BOX - A.C. TANK T-3, SUB-PUMP#3 | SEE PANEL MANUFACTURER DRAWINGS FOR CIRCUIT IDENTIFICATION | 3-#10, 1-#10 GRD, 1-#14 |
| T4-P4 | 1" | JUNCTION BOX - A.C. TANK T-4, SUB-PUMP#4 | SEE PANEL MANUFACTURER DRAWINGS FOR CIRCUIT IDENTIFICATION | 3-#10, 1-#10 GRD, 1-#14 |
| T5-P5 | 1" | JUNCTION BOX - A.C. TANK T-5, SUB-PUMP#5 | SEE PANEL MANUFACTURER DRAWINGS FOR CIRCUIT IDENTIFICATION | 3-#10, 1-#10 GRD, 1-#14 |
| T6-P6 | 1" | JUNCTION BOX - A.C. TANK T-6, SUB-PUMP#6 | SEE PANEL MANUFACTURER DRAWINGS FOR CIRCUIT IDENTIFICATION | 3-#10, 1-#10 GRD, 1-#14 |
| T7-P7 | 1" | JUNCTION BOX - A.C. TANK T-7, SUB-PUMP#7 | SEE PANEL MANUFACTURER DRAWINGS FOR CIRCUIT IDENTIFICATION | BIO - 3-#10, 1-#10 GRD, BALL VALVE - 2 - #12, 1 #12 GRD HEATER - 3 #10, 1 #10 GRD |
| T8-P8 | 1" | JUNCTION BOX - A.C. TANK T-8, SUB-PUMP#8 | SEE PANEL MANUFACTURER DRAWINGS FOR CIRCUIT IDENTIFICATION | D.E.F. 3-#10, 1-#10 GRD, 1-#14 VERIFY W/ MANUF. INSTAL. INSTRUCTIONS |

NOTE:
CONDUIT HOME-RUNS SHALL BE FROM THE TANKS OR MORE DIRECT ROUTE FROM THE TANK AREA TO THE BUILDING TERMINATION POINT. REARRANGE THE CONDUITS I.D. TO MAINTAIN THE SEQUENCE SHOWN HEREON.

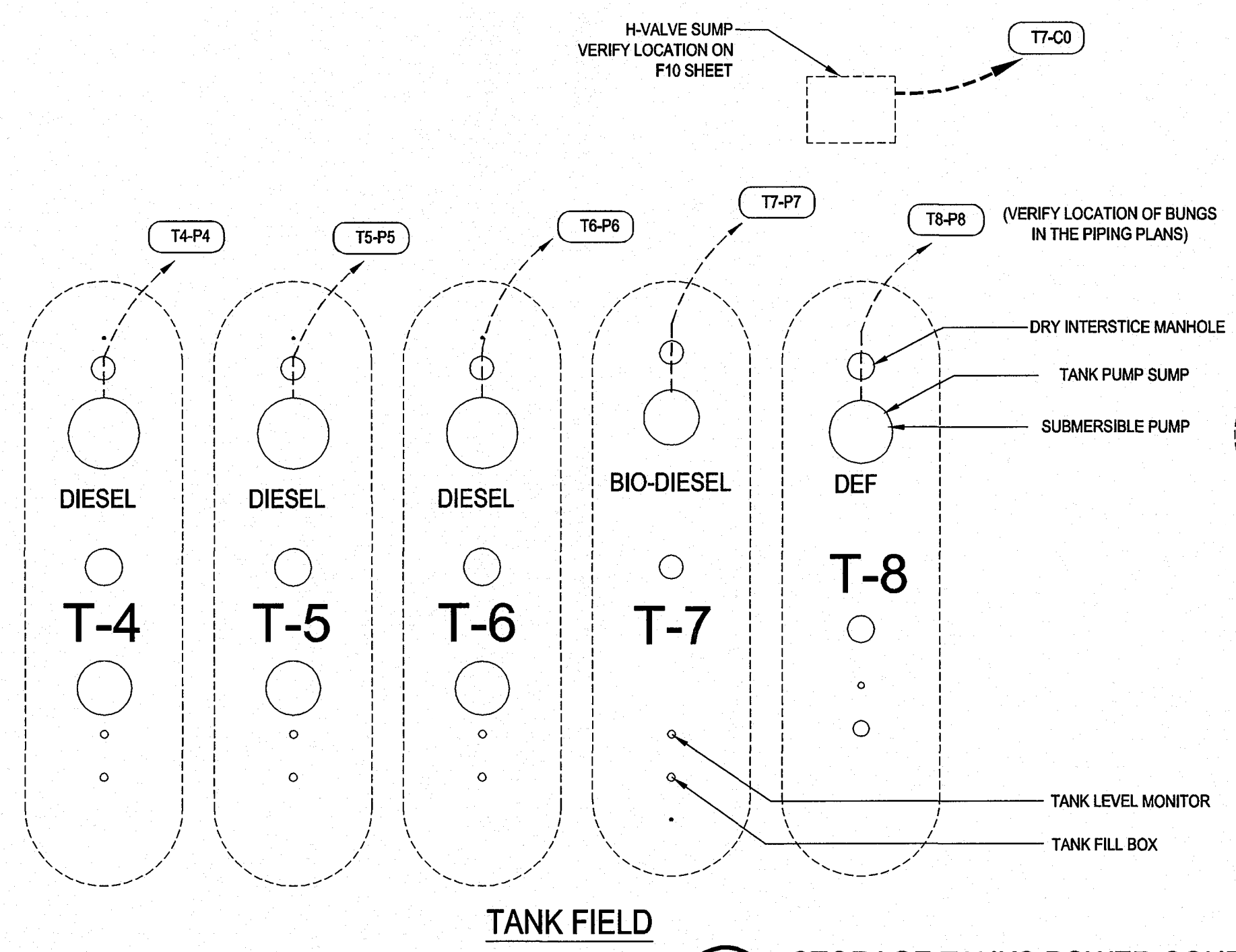
NOTE:
IN SOME SITES THE DIESEL TANKS WILL BE BURIED IN A SEPARATE LOCATION OR IF IN A FUEL LINE TRENCH RUN SEPARATE HOMERUNS TO ELECTRICAL CABINET.

NOTE:
TANK 2: IF APPLICABLE TANK SHALL BE USED FOR BIO-DIESEL. INSTALL BIO-DIESEL COMPONENTS PER MANUFACTURE INSTALLATION INSTRUCTIONS. VERIFY WITH OWNER.

LEGEND

(T(x)-C(x)) ----- SENSOR AND LEVEL PROBE CONDUITS

(T(x)-P(x)) ----- A.C. SUBMERSIBLE PUMP CONDUIT



TANK FIELD

1 STORAGE TANKS POWER CONDUITS
NOT TO SCALE

JUL18,2016 10:33:40pm - User: waylon.barnes - J:\0707-16-88035 Loves Talleyville_VA\Fuel\Wet Fuel Dwg\FE3 - UST TANK FIELD CONDUIT DIAGRAMS AND SCHEDULES.dwg

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TIER 1

TALLEYVILLE,
VA 23140

FUELING

PROJECT NUMBER: 07-16-88035

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Travel Stop &
Country Stores

COMMONWEALTH OF VIRGINIA
RYAN S. RAY
Lic. No. 043547
PROFESSIONAL ENGINEER

JUL 18 2016

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UNDERGROUND STORAGE TANK FIELD CONDUIT DIAGRAMS, AND SCHEDULES

SHEET: **FE-3**