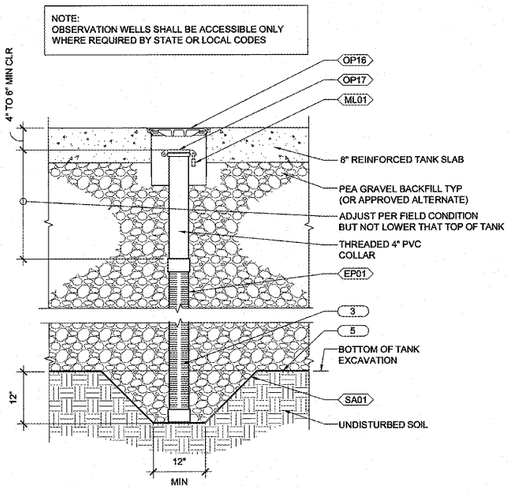
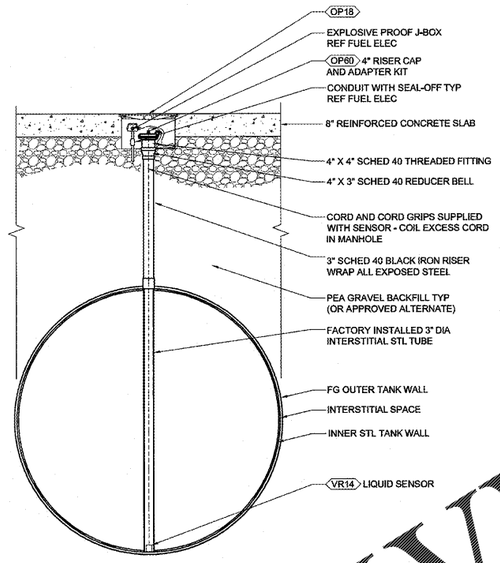


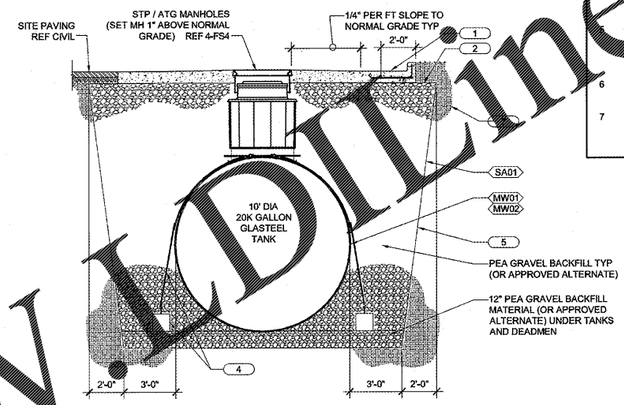

## 5 ACTIVE OBSERVATION WELL DETAIL

3/4" = 1'-0"



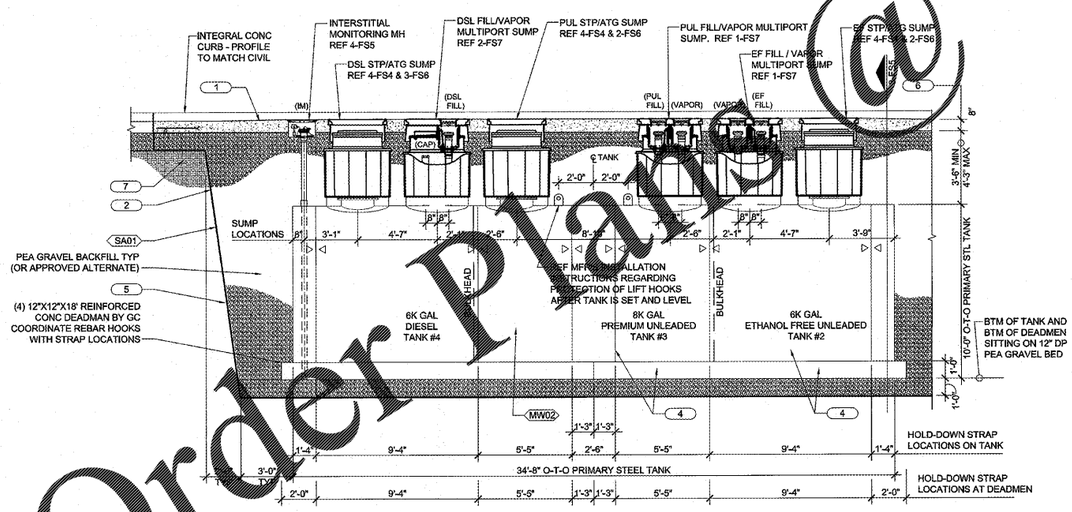

## 4 DRY ANNULAR SPACE RISER AND SENSOR DETAIL

1/2" = 1'-0"



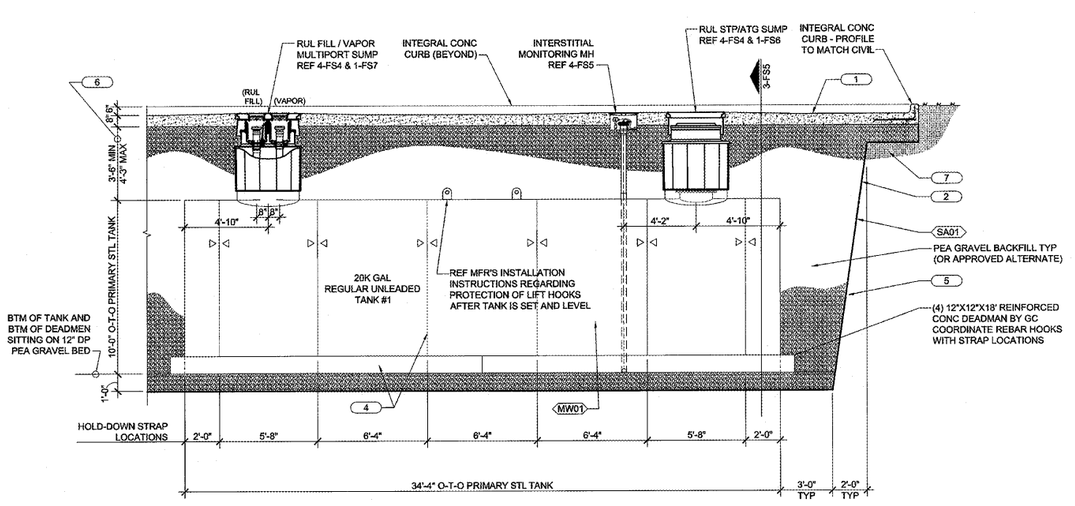

## 3 10' DIA UNDERGROUND STORAGE TANK SECTION

1/4" = 1'-0"




## 2 10' DIA 20,000 GALLON 3-COMPARTMENT TANK SECTION

1/4" = 1'-0"




## 1 10' DIA 20,000 GALLON TANK SECTION

1/4" = 1'-0"

## # FS5 KEYNOTES

1. REINFORCED CONCRETE SLAB. REF 1-FS4 AND CIVIL DRAWINGS FOR T.O.S. ELEVATIONS. ALL LARGE MANHOLES IN THE TANK SLAB AREA SHALL BE SET 1" ABOVE THE NORMAL GRADE. MONITOR WELL MANHOLES SHALL BE SET 1/2" ABOVE THE NORMAL GRADE. SLOPE CONCRETE TO MANHOLES 1/4" PER FT. CROWN CONCRETE AS TO NOT INHIBIT WATER DRAINAGE OFF THE TANK SLAB (NO POOLING). TANK SLAB REINFORCING SHALL BE #3 REBAR AT 12" O.C. MAX EACH WAY WITH "L" BARS (18" LAP) AT INTEGRAL CURB.
2. GEOTECH FABRIC MATERIAL TO BE USED TO TANK HOLE EXCAVATION AND WRAP BACK 24" MINIMUM UNDER THE BOTTOM OF THE TANK SLAB. METHOD OF PINNING FABRIC AT TANK HOLE EXCAVATION TO BE APPROVED BY OWNER.
3. 4" DIAMETER SCHEDULE 40 PVC WELL SCREEN. MUST BE FACTORY SLOTTED, NO FIELD SLOTTING.
4. O.H. STRAP ANCHOR SYSTEM AND REINFORCED CONCRETE DEADMEN PROVIDED BY AND INSTALLED BY GC.
5. FOR SLOPE, FOLLOW CURRENT OSHA REGULATIONS. IF SHEET PILES ARE UTILIZED, PROVIDE 42" MINIMUM CLEARANCE BETWEEN NEW TANKS AND SHORING.
6. BURIAL DEPTH GREATER THAN 5'-8" REQUIRES OWNER AND MANUFACTURER'S APPROVAL.
7. UNDISTURBED SOIL OR COMPACTED BACK FILL NOT LESS THAN 95% OF MODIFIED PROCTOR DENSITY (AASHTO-T-180).

HFA
ARCHITECTS
ENGINEERS
INTERIORS
HARRISON FRENCH
ASSOCIATES, PLLC
225 S. Walton Blvd, Suite 3
Bentonville, Arkansas 72712
t 479.273.2260
f 888.800.9685
www.hfa-ae.com

STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED FOR USE ON A SPECIFIC SITE AT INDIAN TRAIL, NC ON THE DATE OR DATES SHOWN. ANY REUSE AFTER THAT DATE OR DATES IS NOT RECOMMENDED, AND IT IS NOT WARRANTED OR REPRESENTED THAT THE DESIGN IS SUITABLE ON ANOTHER PROJECT REQUIRES THE WRITTEN CONSENT OF HARRISON FRENCH ARCHITECTS AND ENGINEERS. ANY REUSE WITHOUT SUCH CONSENT OR ANY REUSE ON ANOTHER PROJECT SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO THE USER.

SAM'S MART
US HY 74 & TECHNOLOGY BLVD
INDIAN TRAIL, NC 28079

JOB NUMBER: 07-16-80004

ISSUE BLOCK

| | |
|---|---|
| STORE NO.: | |
| DOCUMENT DATE: | 05-31-17 |
| CHECKED BY: | BKH |
| DRAWN BY: | JMA |
| PROTO CYCLE | MAY-2017 |

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 030048 RYAN S RAY

HARRISON FRENCH AND ASSOCIATES, PLLC P-0402

JUN 01 2017

TANK SECTIONS AND DETAILS

SHEET: FS5

Order Plans @ www.IDLine.com

May/23/2017-8:02am - User: jon
J:\07\07-16-80004 Sams Mart - Indian Trail, NC\Fuel\Fuel Dwgs\1 FS5 TANK SECTIONS AND DETAILS.dwg