

SCOPE OF WORK:
Removal of existing tanks, piping, and islands; installation of new piping, tanks, and islands at existing attended, retail, self-serve fuel facility (Stop n Go #532) in La Crosse, Wisconsin.

Project Specifics:

- Underground Storage Tanks
 - Three (3) existing single wall, steel tanks to be removed:
 - 12,000-gallon I.D. #112850 (unleaded regular/E10), 12,000-gallon I.D. #112855 (unleaded 88/E15), and 12,000-gallon I.D. #112853 (unleaded premium)
 - Storage tanks are to be made inert prior to being removed from the ground. Storage tanks shall be cut and cleaned after being removed from the ground. All liquids and sludge shall be removed from the storage tanks and properly drummed for removal and or recycling. Storage tanks shall be scrapped and are not to be reused at another location, regardless of use. Documentation shall be provided proving the storage tanks were properly disposed of. See notes on existing site plan.
 - Three (3) new double wall, Xerxes fiberglass tanks to be installed:
 - 15,000-gallon 10’-5.5” x 27’-5.75” (unleaded regular/E10), 20,000-gallon (split 12K unleaded 88[E15] / 8K unleaded premium) 10’-5.5” x 35’-9.5”.
 - Standard deadmen to be installed with new tanks.
- Site Work
 - Pour six (6) new islands, canopy slab, concrete electrical/piping trench, and new tank slab as necessary by Kwik Trip.
 - Install new manholes. 42” manholes to be FFS 14F-4215.
 - Excavating by Kwik Trip.
 - Electrical by Kwik Trip.
 - Install two (2) new monitoring wells. Well to consist of FFS 14” monitoring well manway (81430201), Hole Products 8” x 10’ PVC sch40 screen pipe (5952013), Hole Products 8” x 5’ PVC sch40 riser pipe (5801043), Hole Products 8” PVC cap (5650089), Hole Products 8-3/4” aluminum locking royer (8000017), and Hole Products 3/8” bentonite chips/hole plug, 50 lbs. (3400005). See Kwik Trip standard details for layout.
- Piping and Containment
 - Install six (6) new FFS 602375001 single wall fiberglass dispenser sumps at the islands.
 - Install three (3) new APT 602402901 fiberglass submersible sumps at the tanks.
 - Install new 1.5” double wall flexible APT XP supply pipe from tanks to islands on unleaded premium product. Install new 1.75” double wall flexible APT XP supply pipe from tanks to islands on unleaded regular and unleaded 88 (WI Material Approval #20230006).
 - All piping on unleaded 88 to be high ethanol fuels compatible.
 - Install seven (7) new FFS Defender below-grade, double-wall spill containers (705 series), four (4) with OPW 71SO overfill valve and drop tubes (410C) and three (3) with vapor cap and adapters.
- Dispensers
 - Remove six (6) existing Gilbarco dispensers.
 - Install six (6) Gilbarco Encore 700S NA2 dispensers on the islands. New EBW 662501902 emergency valves under each dispenser. All piping on unleaded 88 to be high ethanol fuels compatible.
 - New hanging hardware to include:
 - 3/4” gas hose assemblies to include: OPW PK-EZR0X00 preassembled kit.
 - 3/4” unleaded 88 hose assemblies to include: OPW PK-EZR0400-E25CG-88 preassembled kit.
- Vent Piping
 - Install new single-wall fiberglass vent piping from vent tee to free standing risers.
- Leak Detection
 - Install three (3) new riser assemblies for new Franklin Fueling TSP-LL3-I probes with float (WI Mat. Appr. #20220001). Probes and float kits to be compatible with fuel being stored.
 - Install new Incon TS-6000 EVO automatic tank gauge (WI Mat. Appr. #20220001) and

- overfill alarm.
- Install two (2) new Franklin Fueling interstitial sensors (FMP-HFS2) (WI Mat. Appr. #20220001).
- Install Franklin Fueling low voltage sump sensors (FMP-ULS) in all dispenser and tank sumps (WI Mat. Appr. #20220001).
- Submersibles
 - Install one (1) new 1.5 hp standard submersible on unleaded premium.
 - Install two (2) new 2 hp IST submersibles on unleaded 88.
 - Install two (2) new 2 hp MAG VFC submersibles on unleaded regular.
 - 1.5 hp submersibles to include smart controllers.
 - 2 hp submersible to include VFC.
 - Piping on unleaded 88 to be high ethanol fuels compatible.
 - Install new Franklin Fueling electronic line leak detectors at each submersible (TS-LS500).
- Site/Local Conditions
 - Site dewatering, if necessary, to be done by Kwik Trip.
 - Existing emergency stop located on building. Switches are a minimum of 20' from nearest and a maximum of 100' from furthest dispenser.
 - No private wells are within 100 feet of tanks, no municipal wells are within 1200 feet from the tanks, and the fueling system is located more than 25' from the nearest water main.

General Bidding Notes:

- Piping Removal to include:
 - Removal of dispensers from islands
 - Blow back lines
 - Remove probes, dispensers and overfill alarm; Kwik Trip will pick up from contractor’s shop.
 - Permits and notification to perform removal
 - Closure documents required by applicable state agencies
 - Barrels for storage of tank sludge
- Items that will be handled by KT:
 - Site assessment will be coordinated by Kwik Trip, Inc.
 - Disposal of contaminated soil
 - Utility disconnects
 - Disposal of tank sludge



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STORES

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#	DATE	DESCRIPTION
1	0528/25	VENT PIPING

Project

Stop N Go #532

3525 Highway 157
La Crosse, WI 54603

Scale

NTS

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24KTI50831

Date

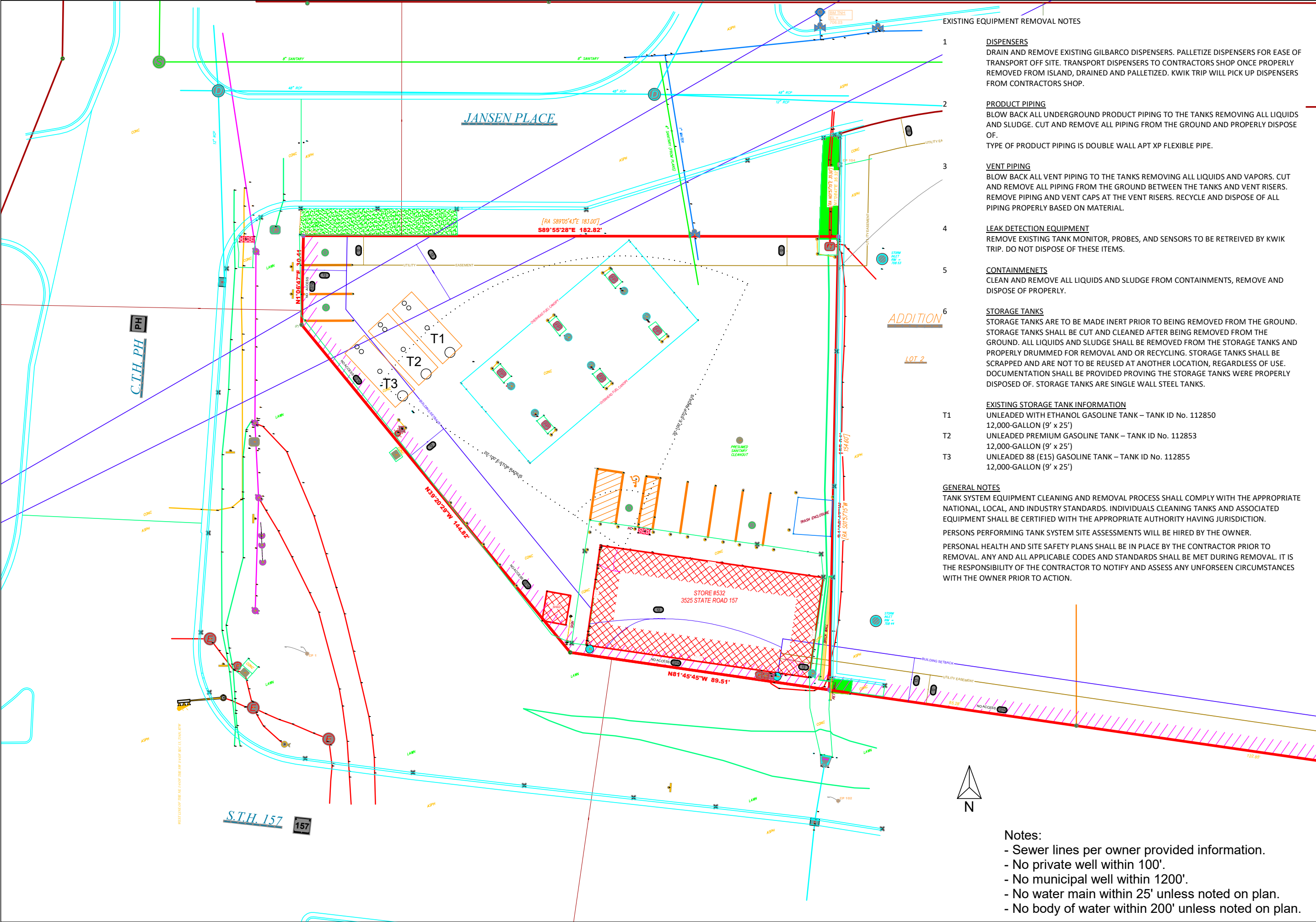
08/28/24

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Scope of Work

Drawing

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EXISTING EQUIPMENT REMOVAL NOTES

DISPENSERS
DRAIN AND REMOVE EXISTING GILBARCO DISPENSERS. PALLETIZE DISPENSERS FOR EASE OF TRANSPORT OFF SITE. TRANSPORT DISPENSERS TO CONTRACTORS SHOP ONCE PROPERLY REMOVED FROM ISLAND, DRAINED AND PALLETIZED. KWIK TRIP WILL PICK UP DISPENSERS FROM CONTRACTORS SHOP.

PRODUCT PIPING
BLOW BACK ALL UNDERGROUND PRODUCT PIPING TO THE TANKS REMOVING ALL LIQUIDS AND SLUDGE. CUT AND REMOVE ALL PIPING FROM THE GROUND AND PROPERLY DISPOSE OF.
TYPE OF PRODUCT PIPING IS DOUBLE WALL APT XP FLEXIBLE PIPE.

VENT PIPING
BLOW BACK ALL VENT PIPING TO THE TANKS REMOVING ALL LIQUIDS AND VAPORS. CUT AND REMOVE ALL PIPING FROM THE GROUND BETWEEN THE TANKS AND VENT RISERS. REMOVE PIPING AND VENT CAPS AT THE VENT RISERS. RECYCLE AND DISPOSE OF ALL PIPING PROPERLY BASED ON MATERIAL.

LEAK DETECTION EQUIPMENT
REMOVE EXISTING TANK MONITOR, PROBES, AND SENSORS TO BE RETREIVED BY KWIK TRIP. DO NOT DISPOSE OF THESE ITEMS.

CONTAINMENETS
CLEAN AND REMOVE ALL LIQUIDS AND SLUDGE FROM CONTAINMENTS, REMOVE AND DISPOSE OF PROPERLY.

STORAGE TANKS
STORAGE TANKS ARE TO BE MADE INERT PRIOR TO BEING REMOVED FROM THE GROUND. STORAGE TANKS SHALL BE CUT AND CLEANED AFTER BEING REMOVED FROM THE GROUND. ALL LIQUIDS AND SLUDGE SHALL BE REMOVED FROM THE STORAGE TANKS AND PROPERLY DRUMMED FOR REMOVAL AND OR RECYCLING. STORAGE TANKS SHALL BE SCRAPPED AND ARE NOT TO BE REUSED AT ANOTHER LOCATION, REGARDLESS OF USE. DOCUMENTATION SHALL BE PROVIDED PROVING THE STORAGE TANKS WERE PROPERLY DISPOSED OF. STORAGE TANKS ARE SINGLE WALL STEEL TANKS.

- EXISTING STORAGE TANK INFORMATION**
- T1 UNLEADED WITH ETHANOL GASOLINE TANK – TANK ID No. 112850
12,000-GALLON (9' x 25')
 - T2 UNLEADED PREMIUM GASOLINE TANK – TANK ID No. 112853
12,000-GALLON (9' x 25')
 - T3 UNLEADED 88 (E15) GASOLINE TANK – TANK ID No. 112855
12,000-GALLON (9' x 25')

GENERAL NOTES
TANK SYSTEM EQUIPMENT CLEANING AND REMOVAL PROCESS SHALL COMPLY WITH THE APPROPRIATE NATIONAL, LOCAL, AND INDUSTRY STANDARDS. INDIVIDUALS CLEANING TANKS AND ASSOCIATED EQUIPMENT SHALL BE CERTIFIED WITH THE APPROPRIATE AUTHORITY HAVING JURISDICTION.
PERSONS PERFORMING TANK SYSTEM SITE ASSESSMENTS WILL BE HIRED BY THE OWNER.
PERSONAL HEALTH AND SITE SAFETY PLANS SHALL BE IN PLACE BY THE CONTRACTOR PRIOR TO REMOVAL. ANY AND ALL APPLICABLE CODES AND STANDARDS SHALL BE MET DURING REMOVAL. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY AND ASSESS ANY UNFORSEEN CIRCUMSTANCES WITH THE OWNER PRIOR TO ACTION.

- Notes:
- Sewer lines per owner provided information.
 - No private well within 100'.
 - No municipal well within 1200'.
 - No water main within 25' unless noted on plan.
 - No body of water within 200' unless noted on plan.



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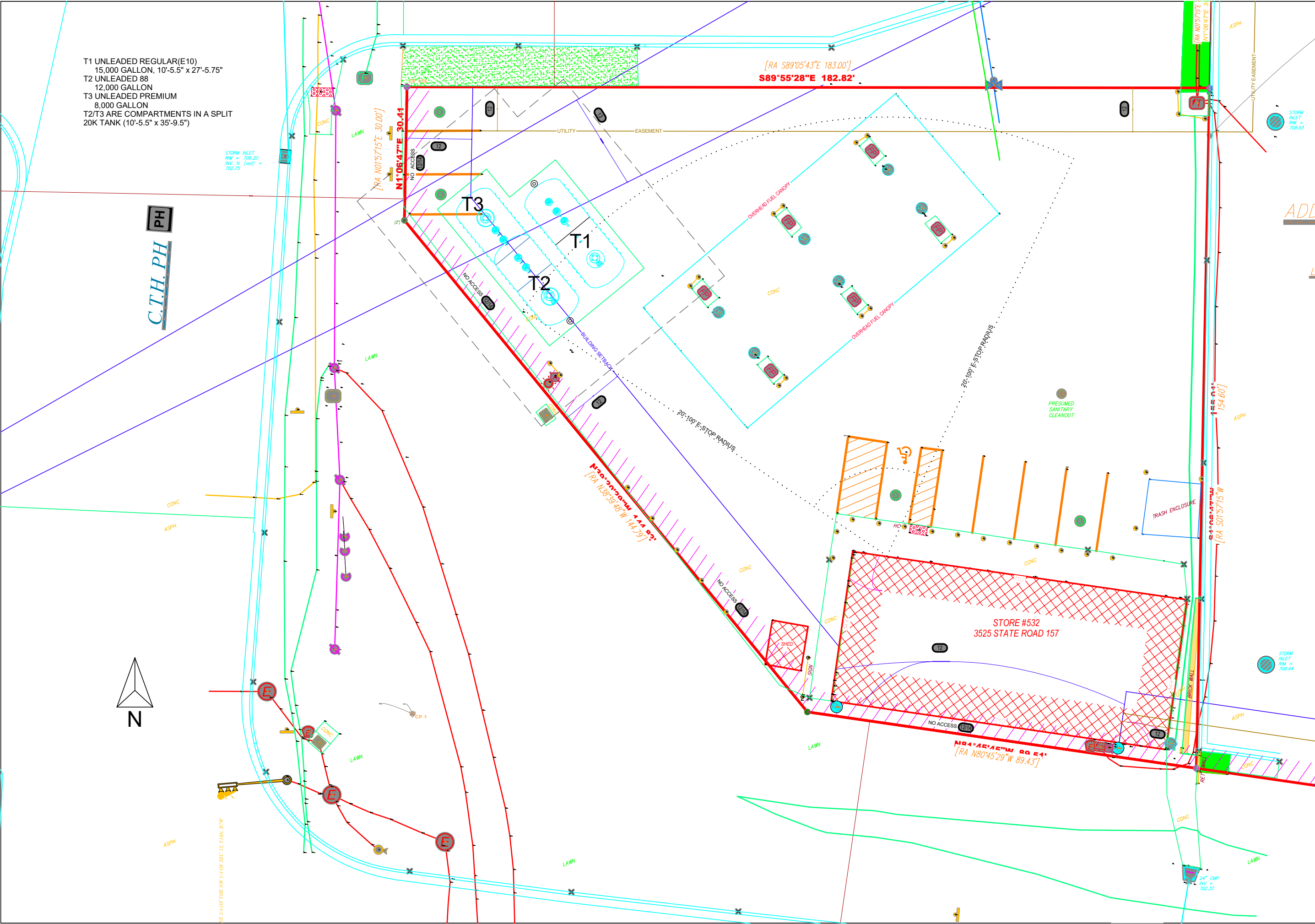
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#	DATE	DESCRIPTION

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Stop N Go #532
3525 Highway 157
La Crosse, WI 54603

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New Site Overview

Drawing
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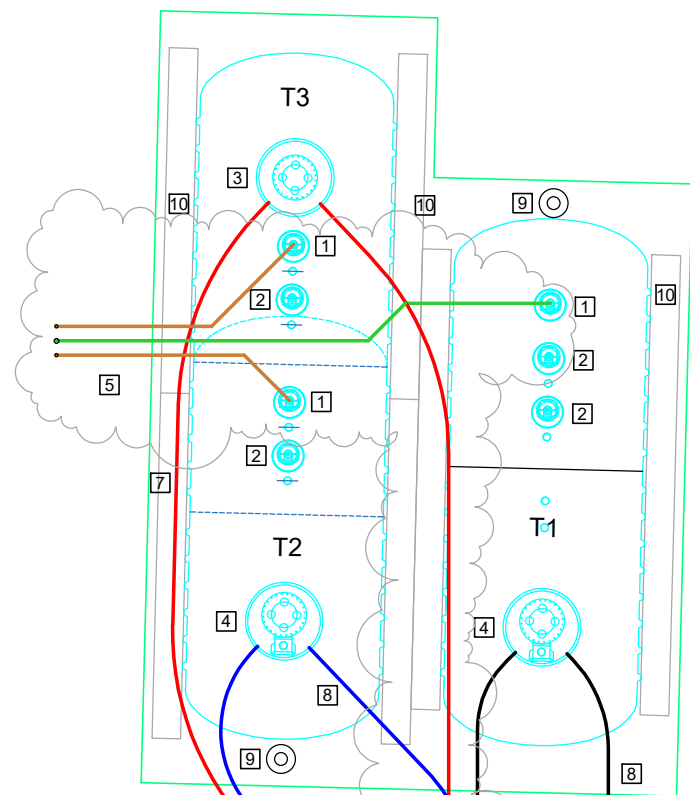


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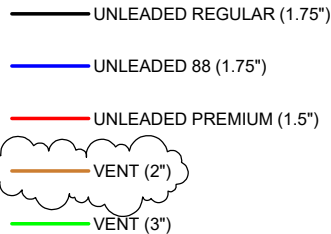
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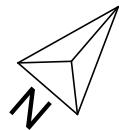
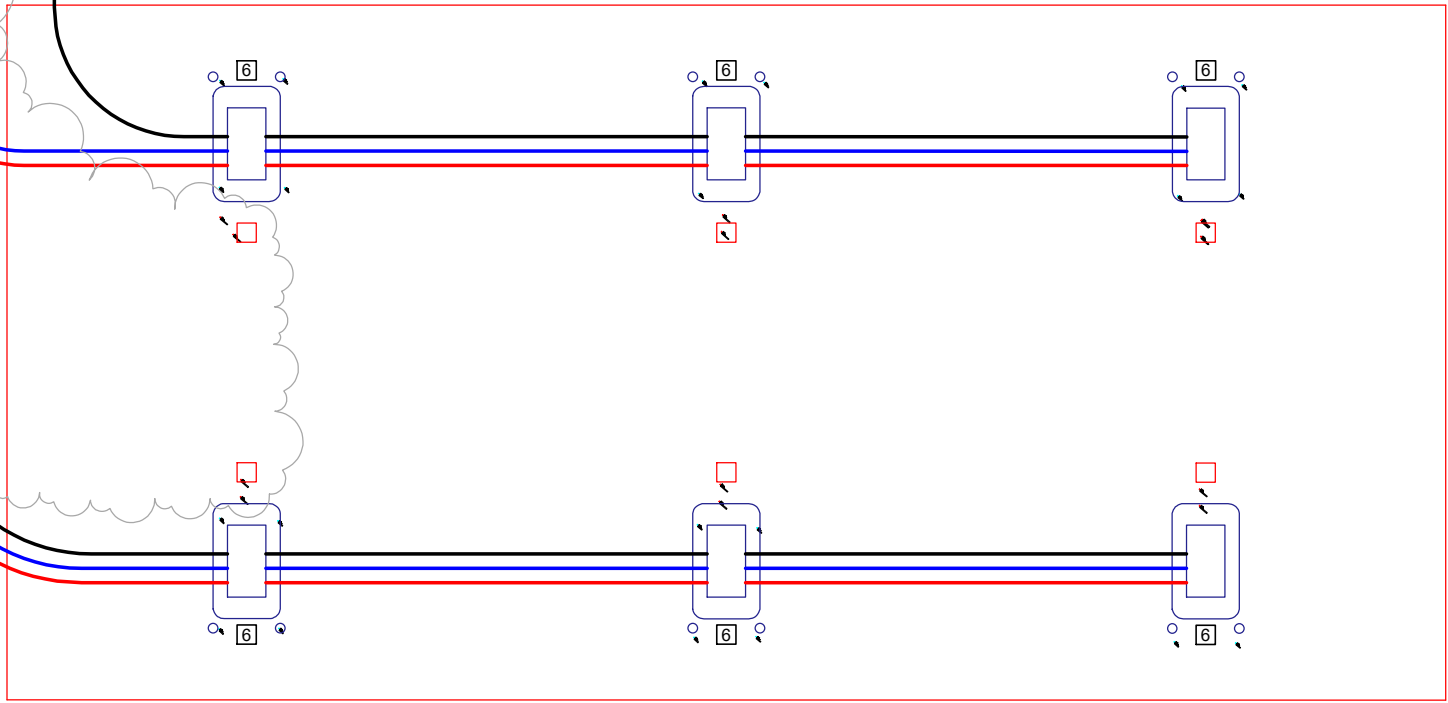
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- STAGE I VAPOR RECOVERY - DEFENDER BELOW-GRADE, POPPET AND VENT TEE
- 1 DOUBLE-WALL SPILL CONTAINER WITH VAPOR RECOVERY FILL - DEFENDER BELOW-GRADE, DOUBLE-WALL SPILL CONTAINER WITH OPW OVERFILL PREVENTION VALVE
- 2 SUBMERSIBLE(S) WITH CONTAINMENT, SUMP SENSOR, AND PROBE
- 3 SUBMERSIBLE(S) WITH CONTAINMENT, SUMP SENSOR, INTERSTICE SENSOR, AND PROBE
- 4 SINGLE-WALL FIBERGLASS VENT PIPE TO NEW FREE-STANDING RISERS.
- 5 NEW ISLANDS WITH DISPENSER CONTAINMENT, SUMP SENSORS, AND COLLISION PROTECTION. INSTALL NEW GILBARCO ENCORE 700S NA2 DISPENSERS.
- 6 1.5" FLEXIBLE, DOUBLE-WALL APT PRODUCT PIPE
- 7 1.75" FLEXIBLE, DOUBLE-WALL APT PRODUCT PIPE
- 8 MONITORING WELL ACCESS
- 9 DEADMEN



T1 UNLEADED REGULAR(E10)
15,000 GALLON, 10'-5.5" x 27'-5.75"
T2 UNLEADED 88
12,000 GALLON
T3 UNLEADED PREMIUM
8,000 GALLON
T2/T3 ARE COMPARTMENTS IN A SPLIT
20K TANK (10'-5.5" x 35'-9.5")



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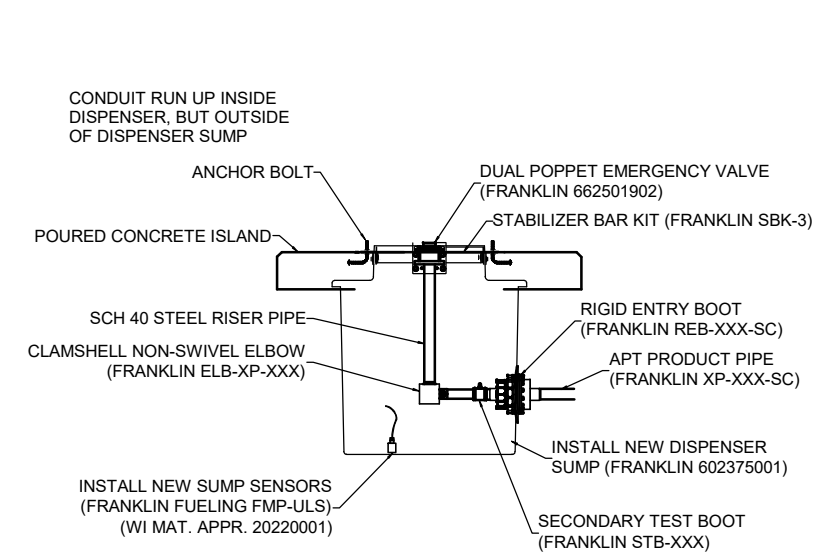
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Sheet Name

Fuel System Overview

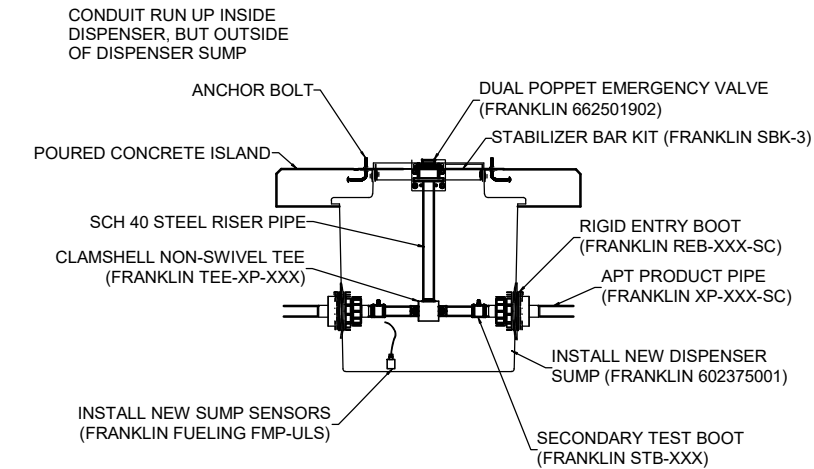
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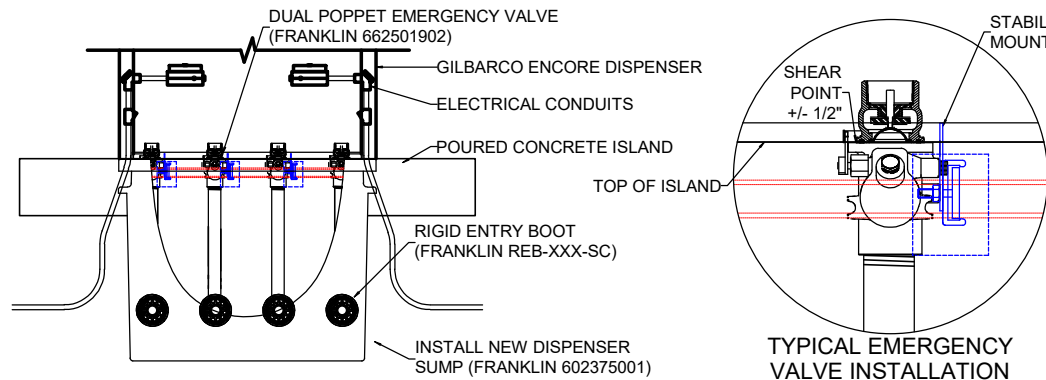
FUEL PIPING TERMINATION

NOT TO SCALE



FUEL PIPING TEE

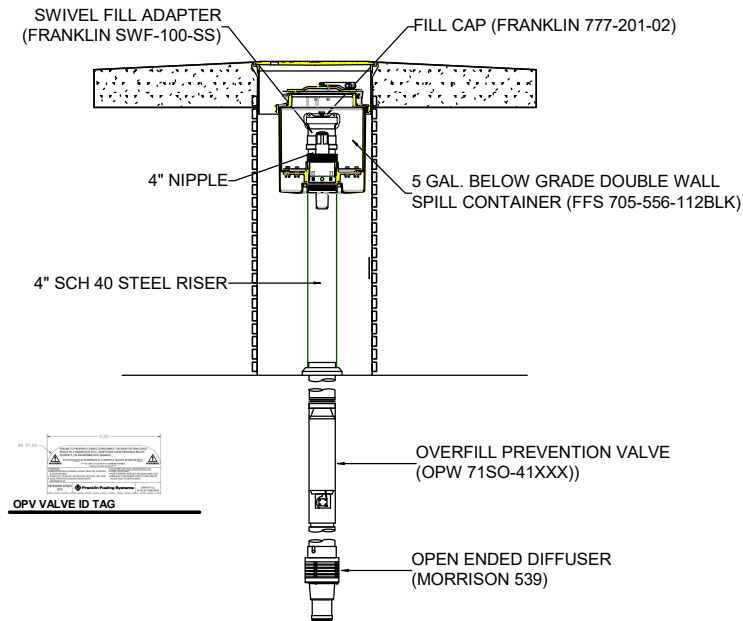
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NOTE: NUMBER OF PRODUCTS IN THIS DETAIL MAY NOT REFLECT ACTUAL INSTALL. SEE PIPE PLAN FOR ACTUAL.

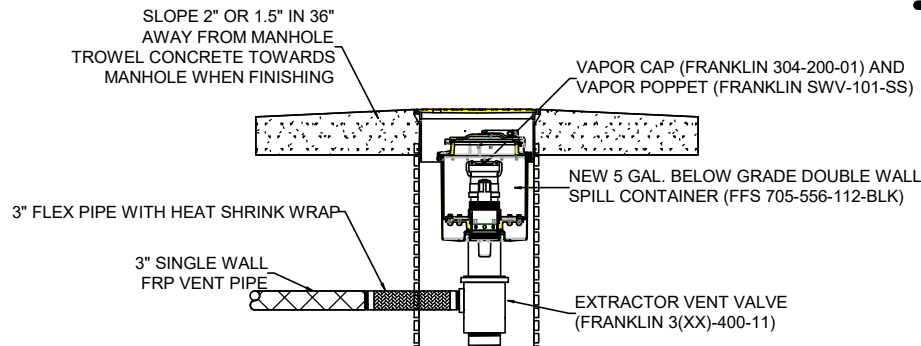
FUEL PIPING TEE ELEVATION

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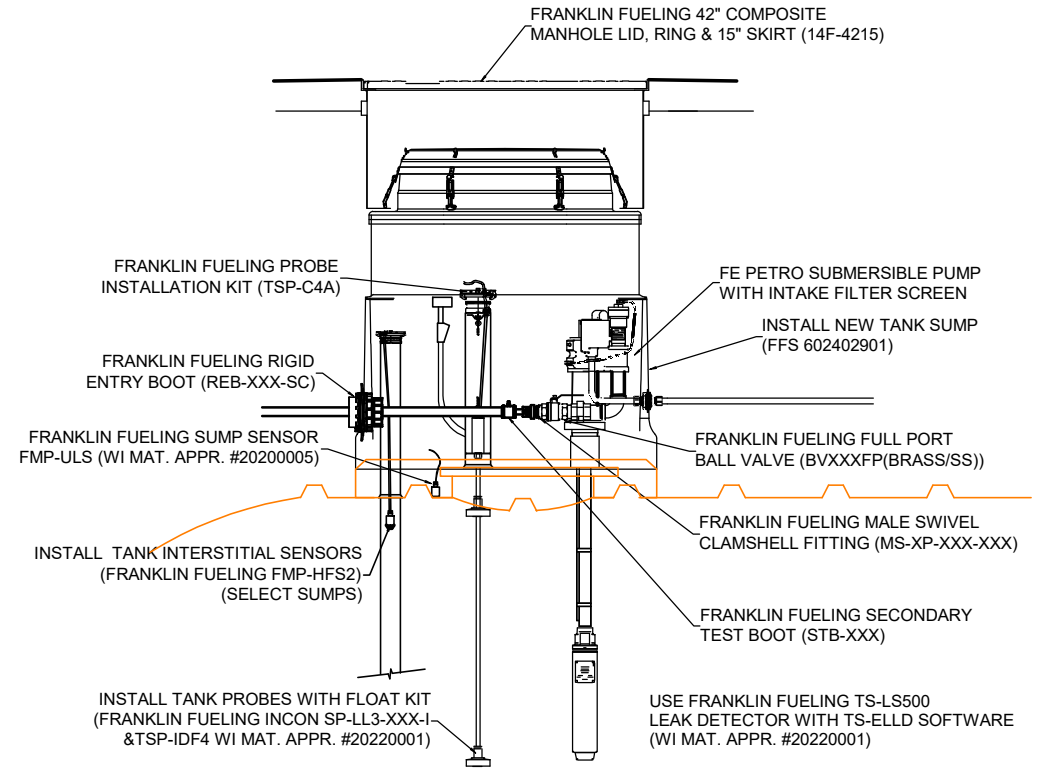
FILL POINT

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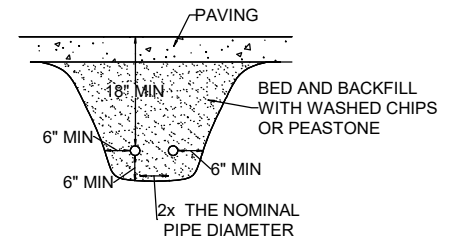
VAPOR RECOVERY POINT

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SUBMERSIBLE SUMP

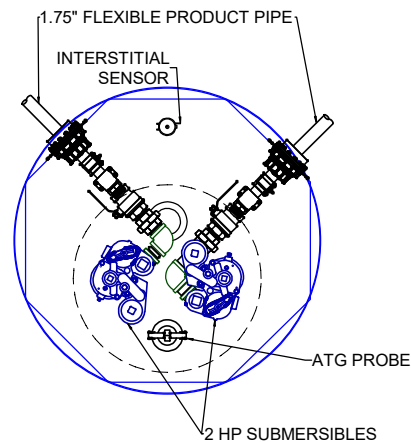
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NOTE: Slope pipe a minimum of 1/8" per foot toward the tank, a dispenser sump, or a collection sump.
PIPE: FRANKLIN FUELING SYSTEMS APT XP, FLEXIBLE DOUBLE WALL, 1.5"/1.75"

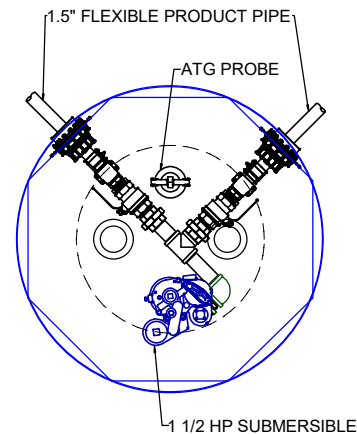
PIPE TRENCH

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T1 & T2 SUBMERSIBLES

NOT TO SCALE



T3 SUBMERSIBLE

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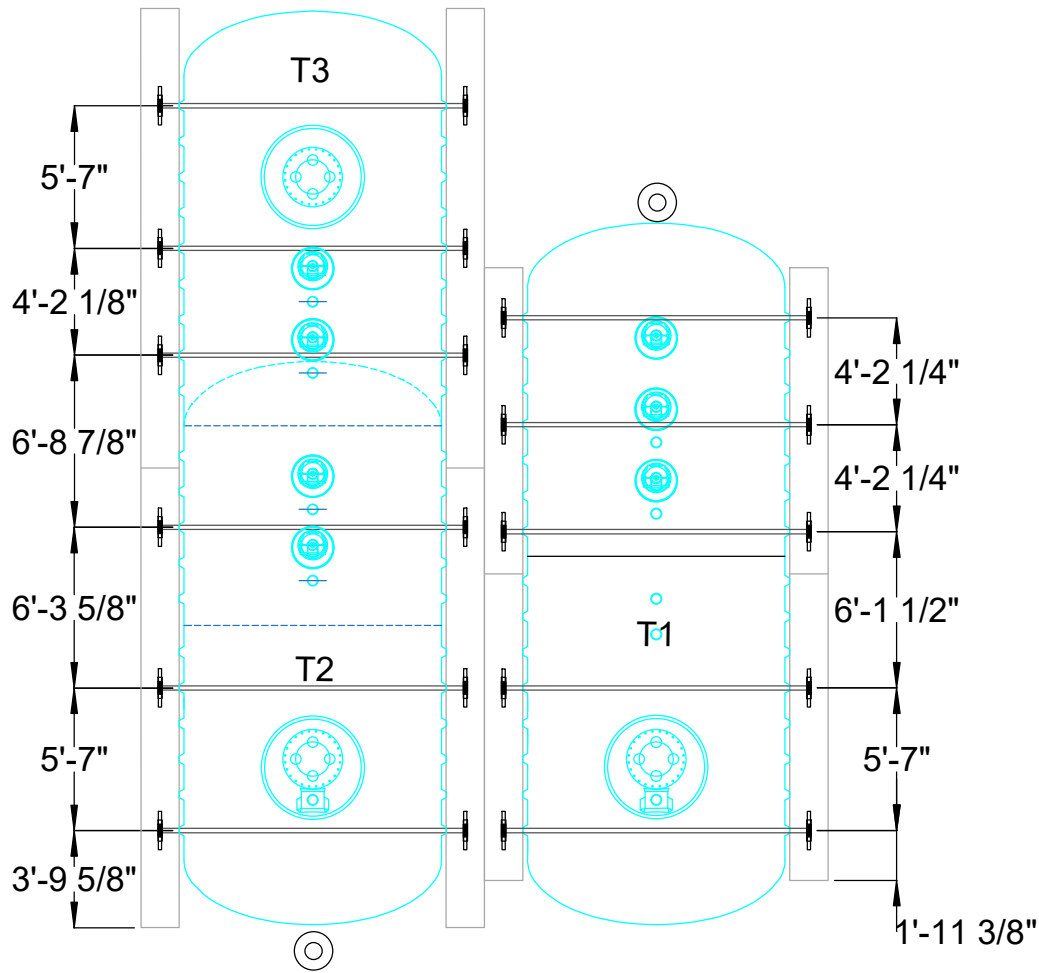
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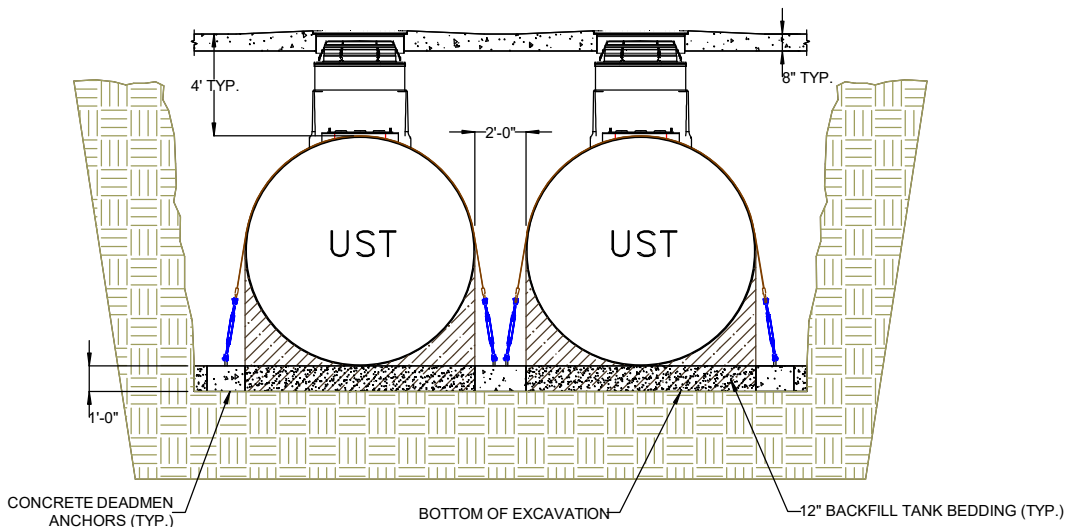
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Tank Anchor Plan

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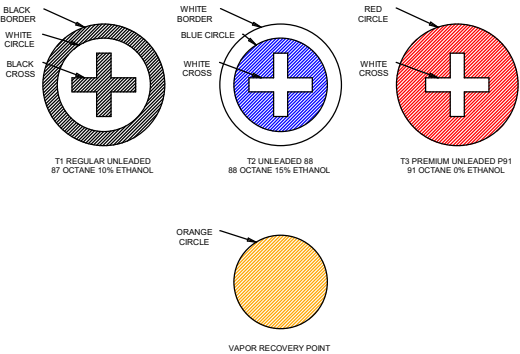


Tank Burial Elevation

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GENERAL NOTES

- 1 XERXES TANK INSTALLATION: STORAGE TANKS ARE TO BE INSTALLED A MINIMUM OF 42" BLOW GRADE BUT NO MORE THAN 7' FOR STANDARD TANKS. A MINIMUM 12" BEDDING OF CLEAN, INERT PEA STONE SHALL BE INSTALLED BELOW THE TANK AND COMPACTED. THERE SHALL BE A MINIMUM OF 18" FROM THE OUTSIDE EDGE, EITHER WALL OR END CAP OF THE TANK TO THE INSIDE OF THE EXCAVATION. BACKFILL MATERIAL IS TO BE CLEAN, FREE-FLOWING AND FREE OF DIRT, SAND, LARGE ROCKS, ROOTS, ORGANIC MATERIALS, DEBRIS, ICE AND SNOW. BACKFILL MATERIAL SHALL NOT BE FROZEN OR CONTAIN LUMPS OF FROZEN MATERIAL AT ANY TIME DURING PLACEMENT. BACKFILL MATERIAL IS TO BE OF ROUNDED STONE COMPLYING TO THE SPECIFICATION OF ASTM C 33, SIZE 6, 67, OR 7. WHEN USING CRUSHED STONES, THEY MUST CONFORM TO SPECIFICATIONS OF ASTM C 33, SIZE 7 OR 8. TANK INSTALLATIONS SHALL FOLLOW PEI RP-100.
- 2 PETROLEUM CONTRACTORS ARE TO BE IN CONTACT WITH EXCAVATOR PRIOR TO INSTALLATIONS TO MAKE SURE TANK HOLES ARE PROPERLY EXCAVATED. PETROLEUM CONTRACTORS SHALL ALSO REVIEW AREA GRADING TO DETERMINE IF A BERM SHALL BE INSTALLED AROUND THE PERIMETER OF THE EXCAVATION TO PREVENT WATER FROM FLOWING INTO THE EXCAVATION FROM SURROUNDING HILLS. CONTRACTOR SHALL ALSO DETERMINE IF ADDITIONAL PUMPS ARE NEEDED TO PREVENT WATER FROM RISING IN THE EXCAVATION TO PREVENT TANKS FROM FLOATING.
- 3 PETROLEUM CONTRACTOR IS RESPONSIBLE FOR SUPPLYING EQUIPMENT RENTALS FOR SETTING THE DEADMEN. DEADMEN ARE TYPICALLY SET THE DAY PRIOR TO SETTING THE TANKS.
- 4 PETROLEUM CONTRACTOR IS RESPONSIBLE FOR SUPPLYING THE CRANE TO SET THE TANKS.
- 5 WHEN WORKING WITH TRENCHES OR EXCAVATIONS, WORK SHALL BE DONE IN ACCORDANCE WITH OSHA 1926, SUBPART P (EXCAVATIONS), 650-652: AND "FALL PROTECTION RULES AND REGULATIONS.



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Tank Anchor Plans

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