

UNDERGROUND STORAGE TANKS INSTALLATION PROPOSED FILLING STATION

1499 & 1505 HARTFORD-NEW LONDON TURNPIKE, OAKDALE, CT 06370

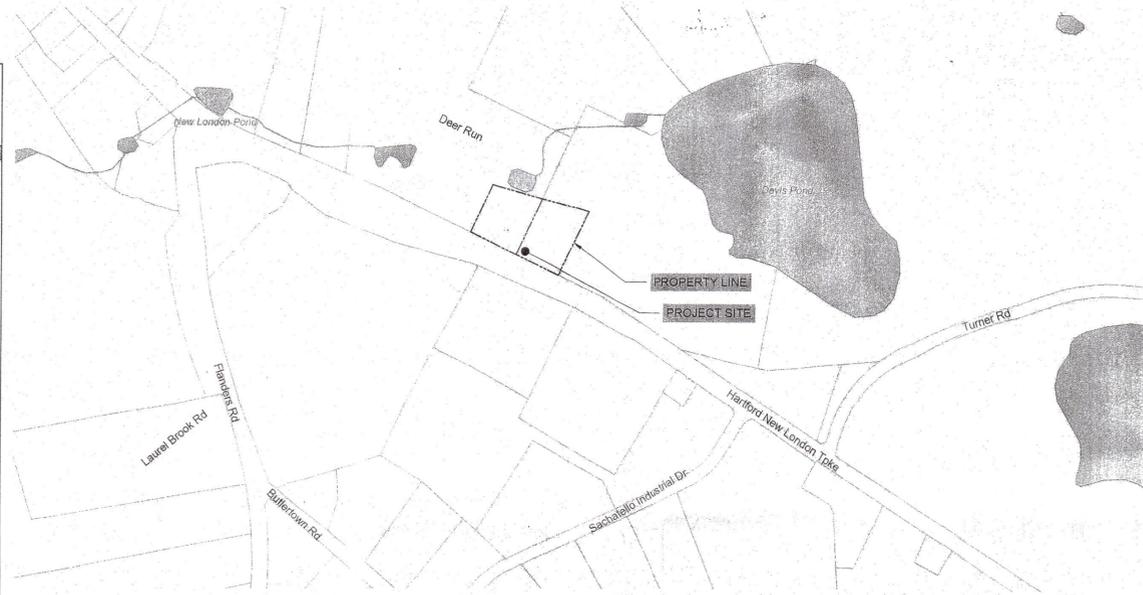
Applicant Exhibit 15

OWNER

DEER RUN STABLE LLC
96 ROUTE 32
FRANKLIN, CT 06254

PREPARED FOR

SERVICE STATION EQUIPMENT, INC.
20 MURPHY ROAD
FRANKLIN, CT 06254



LOCUS MAP

APROX. SCALE: 1" = 350'

SHEET #	SHEET NAME
T-1.0	TITLE SHEET
UST-1.0	UST AND PIPING PLAN
UST-2.0	UST DETAILS

REVISIONS		BY	CR
NO.	DATE	DESCRIPTION	

PROJECT: UNDERGROUND STORAGE TANK REPLACEMENT
1499 & 1505 HARTFORD NEW LONDON TURNPIKE
OAKDALE, CT 06370

PREPARED FOR: SERVICE STATION EQUIPMENT, INC.
20 MURPHY RD
FRANKLIN, CT 06254

ENVIRONMENTAL SERVICES
ENGINEERING SERVICES
67 HALL ROAD
STURBRIDGE, MA 01560
PHONE: 774-241-0901
FAX: 774-241-0906



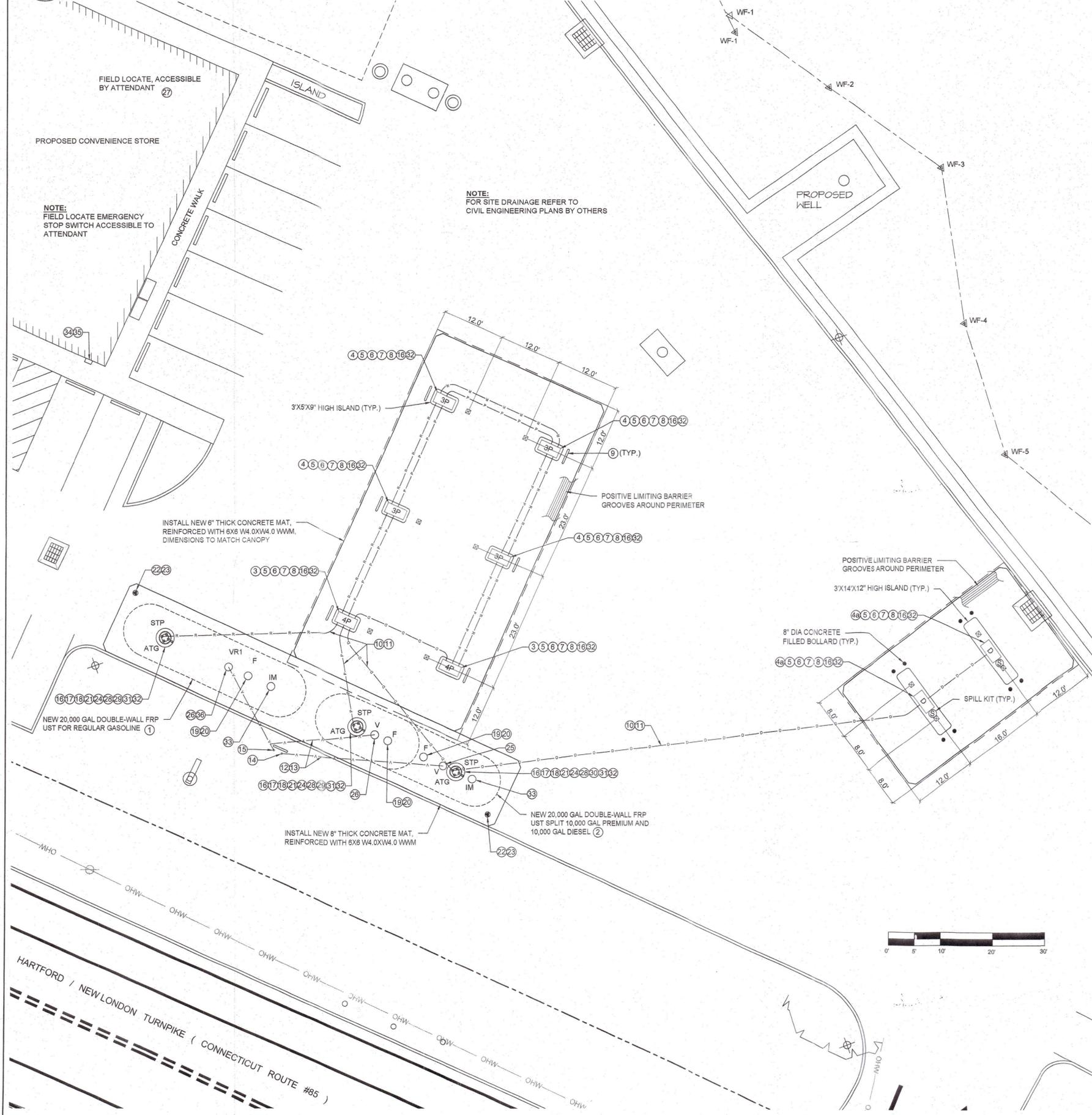
ISSUE DATE: 12/17/2019
DRAWN BY: SH CHECKED BY: MS
SCALE:
PROJECT NO.: 2019-236
SHEET NAME:

TITLE SHEET

SHEET NO.: **T-1.0**

6314 ✓
7 JAN 20

PROFESSIONAL SEAL



EXISTING	LEGEND:	PROPOSED
---	PROPERTY LINE	
---	WETLANDS LINE	
▲ WF-2	WETLANDS FLAG	
OHV- OHV-	OVERHEAD WIRE	
	TANK FILL	○ F
	INTERSTITIAL MONITOR	○ IM
	AUTOMATIC TANK GAUGING	○ ATG
	VENT	○ V
	SUBMERSIBLE TURBINE PUMP	○ STP
	STAGE 1 VAPOR	○ VR1
	REGULAR GASOLINE PIPING	—
	PREMIUM GASOLINE PIPING	—
	DIESEL PIPING	—
	GASOLINE DISPENSER	3P
	GASOLINE WITH DIESEL DISPENSER	4P
	DIESEL DISPENSER	D
	MONITORING WELL	MW ●
	CATCH BASIN	■
	UTILITY POLE	⊕

INSTALLATION NOTES

- INSTALLATION MUST ADHERE TO:
 - CT DEP "REGULATIONS OF CONNECTICUT STATE AGENCIES, UNDERGROUND STORAGE TANK REGULATIONS, SECTIONS 22a-449(d)-1, AND SECTIONS 22a-449(d) 101-113"
 - NFPA 30 "FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE"
 - NFPA 30A "CODE FOR MOTOR FUEL DISPENSING FACILITIES AND REPAIR GARAGES"
 - NFPA 10 "STANDARD FOR PORTABLE FIRE EXTINGUISHERS"
 - CONNECTICUT STATE BUILDING CODE
 - CT STATE FIRE SAFETY CODE, 2016 EDITION
 - FEDERAL LIST REGULATIONS, SEE 2016 CONNECTICUT STATE FIRE PREVENTION CODE
 - NFPA 70 2014 EDITION
 - PETROLEUM EQUIPMENT INSTITUTE GUIDELINES "RECOMMENDED PRACTICES FOR INSTALLATION OF UNDERGROUND LIQUID STORAGE SYSTEMS"
 - APPLICABLE LOCAL CODES
 - MANUFACTURER'S RECOMMENDATIONS
- CONTRACTOR MUST COMPLETE ALL MANUFACTURER'S CHECK SHEETS
- CONTRACTOR MUST USE PERSONNEL CERTIFIED BY ALL EQUIPMENT SUPPLIERS AS QUALIFIED TO PERFORM THE REQUIRED SCOPE OF WORK
- POST CONSTRUCTION FACILITY TESTING TO INCLUDE:
 - PRECISION TESTING OF ALL PRODUCT LINES, VENT LINES, AND USTs BY CERTIFIED TESTING COMPANY.
 - HYDROSTATIC TESTING OF ALL SUMPS

EQUIPMENT LIST: (EQUAL SUBSTITUTIONS ACCEPTABLE)

NO.	QTY	ITEM	MAKE/MODEL	COMMENTS
1	1	20,000 GALLON DW FIBERGLASS TANK	CSI OR XERXES	10' FT DIA, WET INTERSTICE
2	1	20,000 GALLON DW FIBERGLASS COMPARTMENT TANK	CSI OR XERXES	10' FT DIA, SPLIT 10K DIESEL, 10K PREMIUM, WET INTERSTICE
3	2	3+1 BLENDING DISPENSER	WAYNE OVATION	
4	4	3+0 BLENDING DISPENSER	WAYNE OVATION	
4a	2	DIESEL DISPENSER	WAYNE OVATION	
5	8	DISPENSER SUMP	APT	CONDUITLESS
6	8	STABILIZER BART	APT	
7	16	PRODUCT CRASH VALVE	OPW	
8	8	DISPENSER ISLAND		
9	7	1/2" BOLLARDS		
10		PRODUCT PIPING	APT/XP-175	DOUBLE WALL
11		ACCESS PIPE	APT	4", SLEEVE PURPOSES ONLY
12		VENT PIPING, DIESEL	FIBERGLASS	SINGLE WALL
13		VENT PIPING, GASOLINE	FIBERGLASS	3" SINGLE WALL
14	1	VENT CAP DIESEL		2", ATMOSPHERIC
15	1	VENT CAP GASOLINE		3", PRESSURE VENT
16	28	ENTRY FITTINGS	APT	
17	3	STP	RED JACKET	
18	4	FULL PORT BALL VALVE		2"
19	3	SPILL CONTAINMENT FILL MANHOLE	OPW	5 GALLON - NO DRAIN, DOUBLE WALL
20	3	DROPTUBE	EMCO	4" WITH OVERFILL PREVENTION VALVE
21	3	STP SUMP MANHOLES	EMCO	42" DIA
22	2	MONITORING WELL MANHOLE		BOLT DOWN 8", MONITORING WELL SYMBOL
23	2	MONITORING WELL PIPE		4"x13'
24	3	STP SUMP	CSI	
25	1	EXTRACTOR HOUSING	OPW	FOR DIESEL
26	2	EXTRACTOR HOUSING	OPW	FOR ALL GAS TANKS
27	1	MONITORING CONSOLE	VEEDER/ROOT/TL5-350	
28	3	TANK GAUGING PROBE	VEEDER/ROOT	WITH CSLD
29	2	GAS FLOAT KITS	VEEDER/ROOT	
30	1	DIESEL FLOAT KITS	VEEDER/ROOT	
31	3	MECHANICAL LINE LEAK DETECTOR (MLLD)	VEEDER/ROOT	
32	11	PIPING SUMP SENSOR	VEEDER/ROOT	
33	2	INTERSTITIAL MONITOR	VEEDER/ROOT	
34	1	HIGH LEVEL ALARM HORN/STROBE	VEEDER/ROOT	
35	1	ALARM ACKNOWLEDGEMENT SWITCH	VEEDER/ROOT	
36	1	SPILL CONTAINMENT VAPOR MANHOLE	OPW	SINGLE WALL



PLAN REFERENCE:

BASE PLAN PER PLAN ENTITLED "SITE DEVELOPMENT PLAN" PREPARED FOR DEER RUN STABLE, LLC BY ANGUS MCDONALD GARY SHARPE & ASSOCIATES, INC., 233 BOSTON POST RD, OLD SAYBROOK, CT 06475, DATED 07/10/18, SCALE: 1"=20'

NO.	DATE	DESCRIPTION	BY	CHK

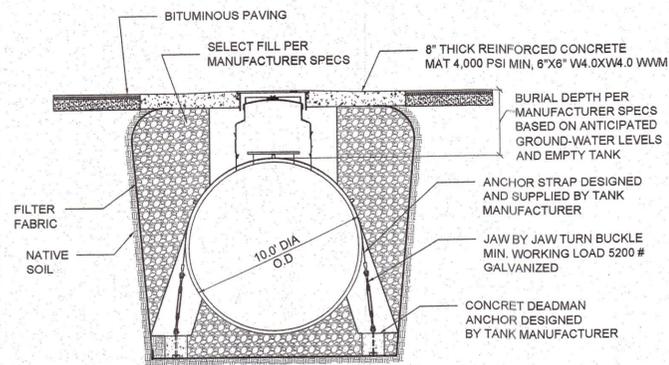
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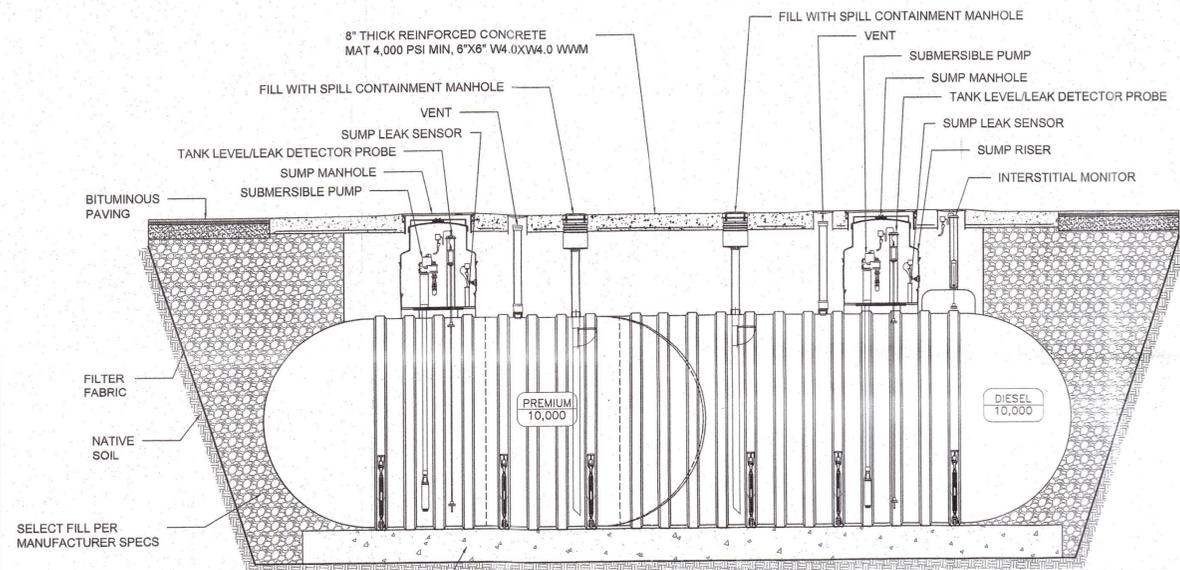
**ENVIRONMENTAL SERVICES
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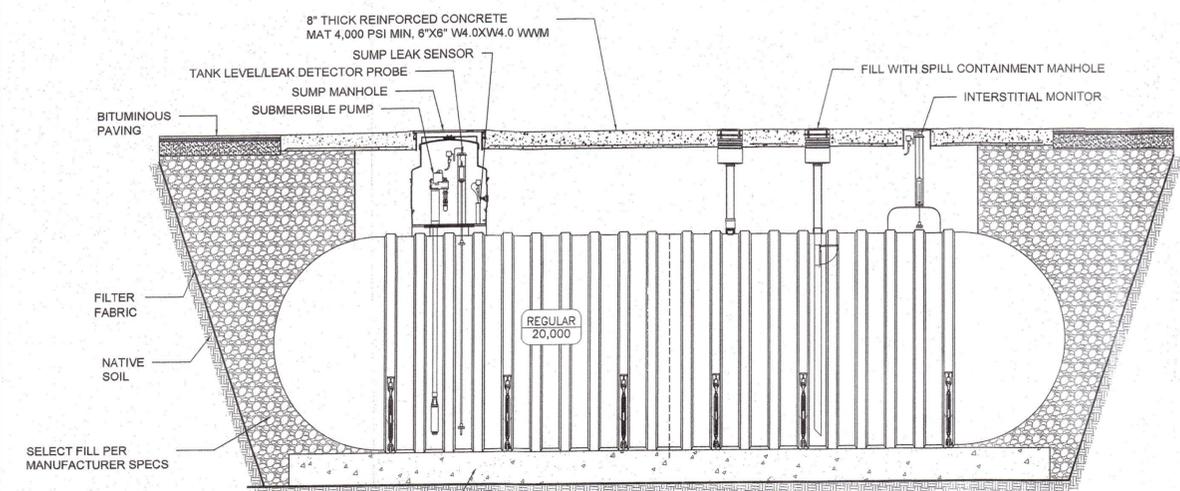
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UST AND PIPING PLAN
 SHEET NO.:
UST-1.0



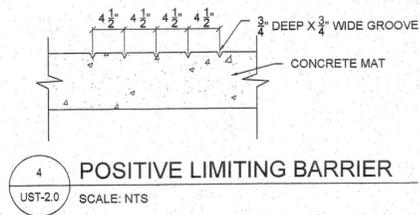
1 ANCHORING CROSS SECTION
UST-2.0 SCALE: NTS



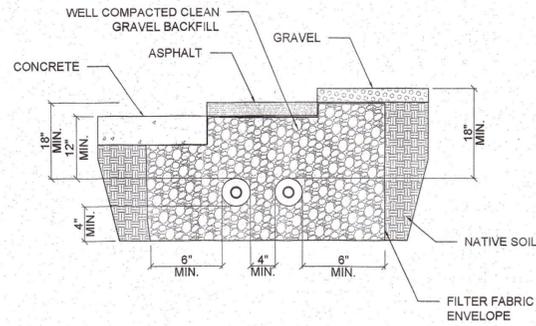
2 20,000 GAL SPLIT TANK CROSS SECTION
UST-2.0 SCALE 1/4\"/>



3 20,000 GAL TANK CROSS SECTION
UST-2.0 SCALE 1/4\"/>



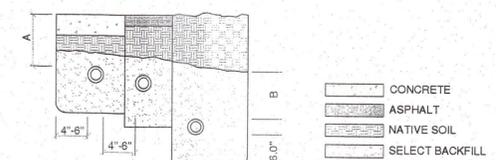
4 POSITIVE LIMITING BARRIER
UST-2.0 SCALE: NTS



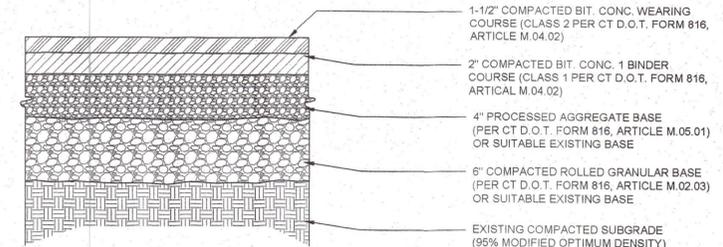
5 UNDERGROUND PRODUCT PIPING TRENCH DETAILS
UST-2.0 SCALE: NTS

PIPE SIZE IN	SURFACE CONDITION	MIN. BURIAL DEPTH	
		A	B
2	UNPAVED	18	12
	PAVED, MIN. 4\"/>		

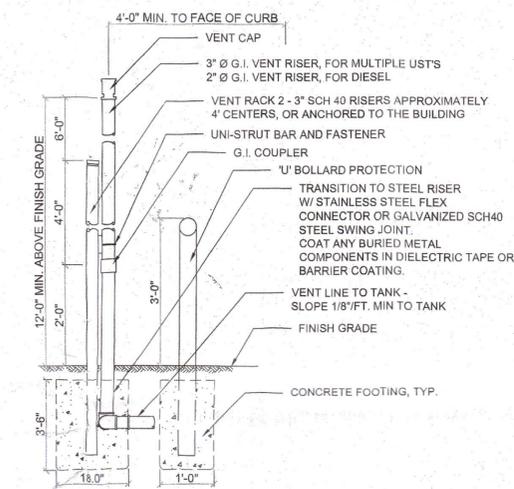
REFERENCE
RED THREAD 11A, DUALOY 3000/L, DUALOY 3000/L/CX
PIPING SYSTEM INSTALLATION INSTRUCTIONS



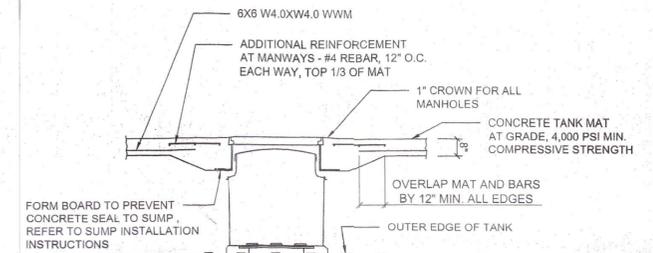
6 FRP VENT PIPING TRENCH DETAILS
UST-2.0 SCALE: NTS



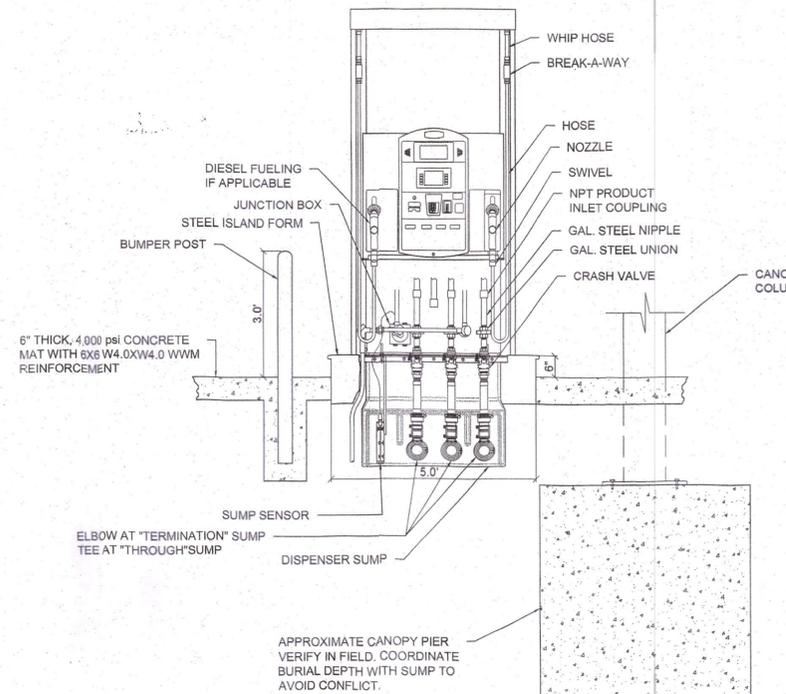
8 ASPHALT PAVEMENT DETAILS
UST-2.0 SCALE: NTS



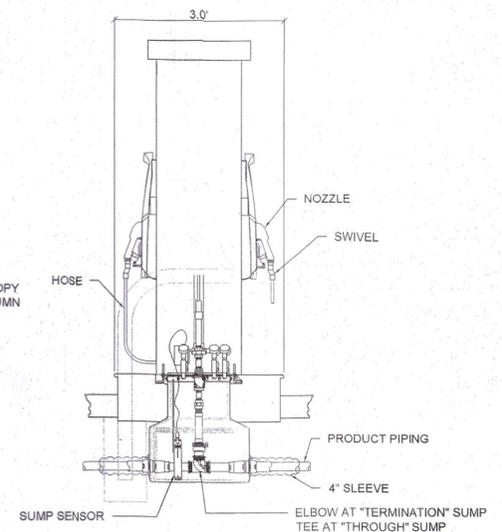
7 VENT RISER
UST-2.0 SCALE: NTS



9 TANK MAT REINFORCEMENT AT SUMP
UST-2.0 SCALE: NTS



10 DISPENSER AND ISLAND SECTION
UST-2.0 SCALE: NTS



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