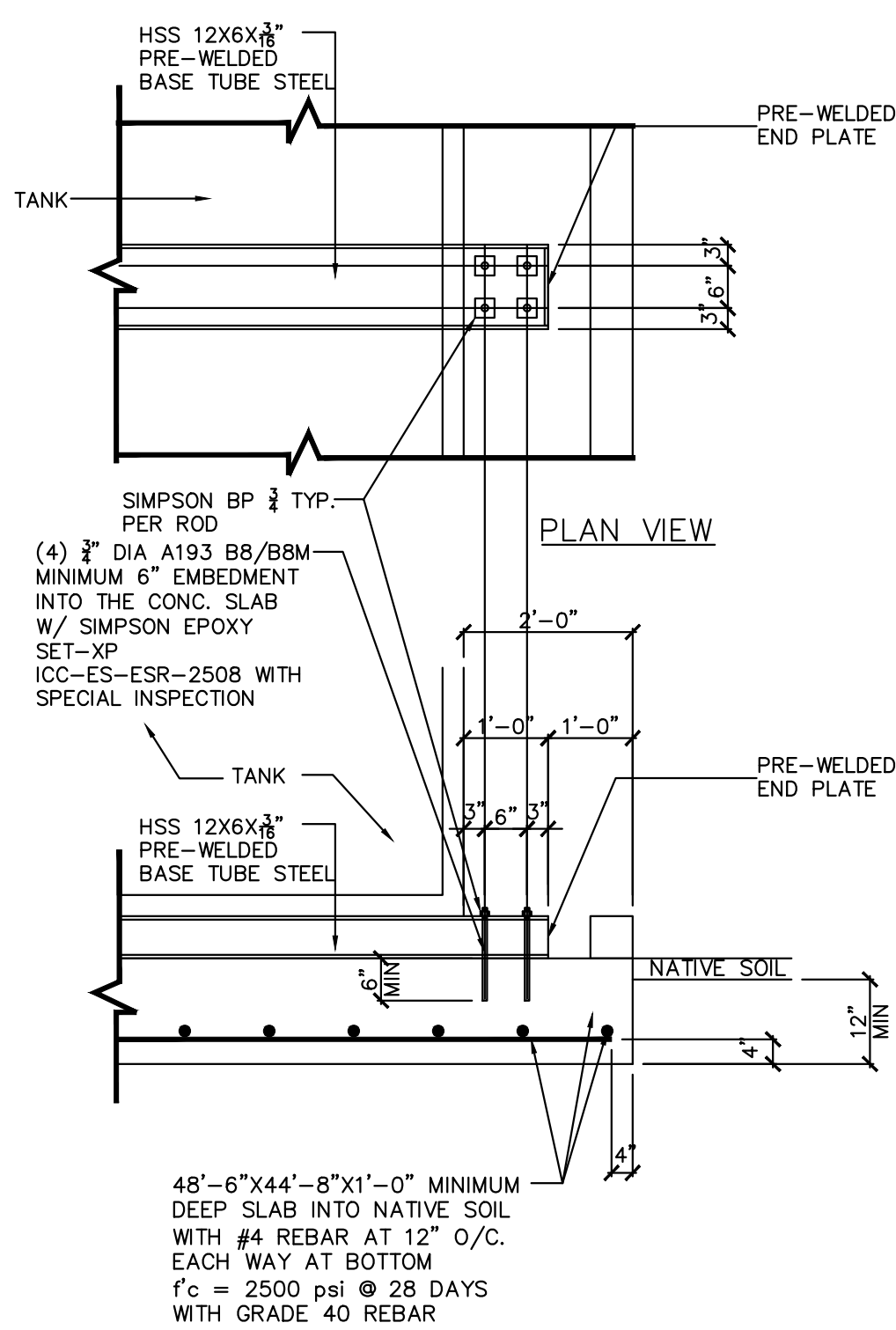




SCOPE OF WORK:

- 12,000 GALLONS HORIZONTAL ABOVEGROUND DOUBLE WALL FUEL STORAGE TANKS. (8'-7" X 32'-7" LENGTH) (TYP. OF 4).
- 8,000 GALLONS DEF TANK.
- TRANSITION SUMPS FOR ABOVEGROUND TANKS (TYP. OF 4).
- GUARDRAIL TO BE INSTALLED BEHIND CURB. FACE OF GUARDRAIL TO BE PERPENDICULAR WITH FACE OF ADJACENT GUARDRAIL.
- 8'-0" CHAIN LINK FENCE WITH INSERTS.
- SECURITY GATE TO BE INSTALLED BY CONTRACTOR.
- 48'-6" X 44'-8" WITH 6" CURB (TO BE POURED MONOLITHICALLY) CONCRETE FUEL CONTAINMENT AREA (SEE CONCRETE TANK SLAB DETAIL Z IN THIS SHEET).
- A MIN. OF 10'-0" OUT FROM CONTAINMENT AREA, IS TO BE COVERED WITH PLASTIC, 4" OF STONE AND KEPT CLEAR OF VEGETATION.
- TYPE 40 BC FIRE EXTINGUISHER TO BE INSTALLED AT TANK STORAGE AREA PER FIRE CODES.
- INSTALL NO SMOKING SIGN & NFPA 704 HAZMAT DIAMOND SIGNS (TYP. FOR ALL THE ABOVE GROUND TANKS (SEE ELEVATION 01/SHEET PP1.4).
- (1-GRADE) (87 PRODUCT SINGLE HOSE PER SIDE WAYNE OVATION 2 FUEL DISPENSER.
- DIESEL (1+1) MASTER DISPENSER (WITH DEF).
- DIESEL (1+1) MASTER/ SATELLITE (WITH DEF) DISPENSER (TYP (3) ISLANDS).
- DIESEL SATELLITE DISPENSER.
- 3" OVER 2" DOUBLEWALL NOV A.O. SMITH FIBERGLASS PIPE FOR 87 & DEF (UREA) PIPE.
- 3" NOV A.O. SMITH FIBERGLASS PIPE TO DIESEL/ TRUCK LANES.
- 2" NOV A.O. SMITH FIBERGLASS PIPE TO DIESEL/ TRUCK LANES.
- REQUIRED FIRE DEPARTMENT WARNING DECAL (2016 OFC SECTION 2305.6). SEE SHEET 02/PP1.7. NEED TO BE PLACED SO IT IS VISIBLE BY CUSTOMER (TYP. FOR ALL THE COLUMNS).

- NEW (1) 20,000 GALLONS (87) XERXES DW FIBERGLASS UNDERGROUND STORAGE TANKS; INSTALL NEW PIPING SUMPS W/ SENSORS, NEW SENSORS IN INTERSTITIAL SPACES. ALL SENSORS WIRED FOR POSITIVE TURBINE SHUTDOWN AND FAILSAFE OPERATION. INSTALL TANK AND PIPING MONITORING AND ALARM SYSTEM. ALSO INSTALL TANK LEVEL GAUGES. UST HAS A BRINE-FILLED INTERSTITIAL.
- NEW (1) 22,000 GALLONS SPLIT 12,000 GALLONS (91) & 10,000 GALLONS (DIESEL) XERXES DW FIBERGLASS UNDERGROUND STORAGE TANKS; INSTALL NEW PIPING SUMPS W/ SENSORS, NEW SENSORS IN INTERSTITIAL SPACES. ALL SENSORS WIRED FOR POSITIVE TURBINE SHUTDOWN AND FAILSAFE OPERATION. INSTALL TANK AND PIPING MONITORING AND ALARM SYSTEM. ALSO INSTALL TANK LEVEL GAUGES. UST HAS A BRINE-FILLED INTERSTITIAL.
- NEW 8" REINFORCED CONCRETE TANKSLAB W/ #4 BARS AT 18" O/C BOTH WAYS.
- NEW 4" FILL WITH DROP TUBE AND 5 GALLON OVERFILL CONTAINMENT SUMP.
- NEW STAGE I VAPOR RECOVERY FITTING WITH 5 GALLON OVERFILL CONTAINMENT SUMP.
- NEW 2 HP TURBINE WITH ELECTRONIC LEAK DETECTOR IN PIPE LEAK CONTAINMENT SUMP ATTACHED TO TANK. DW SUMP IS CONTINUOUSLY MONITORED PER AB 2481.
- 3" OVER 2" DOUBLEWALL NOV A.O. SMITH FIBERGLASS PIPE FOR 87, 91, & AUTO DIESEL LINES. LINES TO SLOPE MIN. 1/8" PER FOOT TO TANK.
- 4" OVER 3" DOUBLEWALL A.O. SMITH FIBERGLASS PIPE FOR STAGE II VAPOR RECOVERY TRUNK LINE. LINES TO SLOPE MIN. 1/8" PER FOOT TO TANK.
- NEW 2" DW FG DIESEL VENT LINE IN 3" SECONDARY CONTAINMENT LINE. LINES TO SLOPE MIN. 1/8" PER FOOT TO TANK.
- NEW 3" DW FG GASOLINE VENT LINE IN 4" SECONDARY CONTAINMENT LINE. LINES TO SLOPE MIN. 1/4" PER FOOT TO TANK. DW VENT LINE IS CONTINUOUSLY MONITORED PER AB 2481. THE DW FRP PIPING WILL BE CONTINUOUS VACUUM MONITORED BY THE VEEDER-ROOT SECONDARY CONTAINMENT VACUUM SENSING SYSTEM USING THE VACUUM SENSOR KITS.
- NEW VENT RISERS & STRUCTURAL SUPPORT. TERMINATION POINTS OF VENTS ARE MIN 12' ABOVE GRADE. INSTALL P/V VALVES ON ALL GASOLINE UST VENT RISER AND TANK VENTS ON DIESEL RISER. RISERS TO BE IN ACCORDANCE W/ UNIFORM FIRE CODE REQUIREMENTS.
- NEW VEEDER ROOT TLS 350 SUMP & TANK MONITORING PANEL.
- NEW DUAL POINT HYDROSTATIC SENSOR CONNECTED TO MONITORING PANEL AND WIRED FOR POSITIVE TURBINE SHUTDOWN AND FAILSAFE OPERATION.
- NEW BALL FLOAT VALVE, AND EXTRACTOR ASSEMBLY FOR VENT AND VAPOR RECOVERY LINES. SET FLAPPER DROP TUBE @ 95% & BALL FLOAT @ 98%.
- NEW BRAVO DEEP UNDER DISPENSER CONTAINMENT SUMPS FOR GASOLINE & DIESEL DISPENSERS W/ LIQUID SENSOR WIRED FOR POSITIVE SHUTDOWN AND FAILSAFE OPERATION. DW SUMP IS CONTINUOUSLY MONITORED PER AB 2481.
- NOT USED.
- NEW (4) PRODUCT SINGLE HOSE PER SIDE WAYNE OVATION 2 FUEL DISPENSER.
- NEW (3) PRODUCT SINGLE HOSE PER SIDE WAYNE OVATION 2 FUEL DISPENSER.
- NEW EMERGENCY SHUT OFF SWITCH.
- NEW OVERFILL ALARM WITH ACKNOWLEDGEMENT SWITCH.
- NEW MAGNOSTRICTIVE TANK LEVEL PROBE (MAG I).
- NEW TURBINE RELAYS.
- NEW 6" BOLLARD AROUND DISPENSERS (TYP. 8 PLACES).
- NEW 6" CONCRETE DRIVE SLAB W/ #4 REBAR @ 18" O/C BOTH WAYS, COLOR TO MATCH EXISTING.
- INSTALL NEW INTERSTITIAL SPACE HYDROSTATIC SENSORS.
- ALL NEW PIPING AND TANK TOP EQUIPMENT TO BE INSTALLED PER MANUFACTURERS' RECOMMENDATION AND SPECS/INSTRUCTIONS. USE FLEXIBLE CONNECTORS IN THE TANK SUMP TO THE PRODUCT LINES, VAPOR RECOVERY LINES.
- ALL MATERIALS TO BE USED (PIPING, COUPLING, SEALANT, ETC.) SHALL BE COMPATIBLE AND USED AS PER NATIONALLY RECOGNIZED CODES.
- NEW CARBON CANISTER VAPOR POLISHER (CCVP) UNIT. CONNECT TO GASOLINE VENT RISERS.
- NEW 15,000 GALLONS WATER TANKS (TYP. OF 2).
- NEW HIRT BURNER.
- NEW VENT RISER.
- NEW AIR & WATER UNIT.

REVISIONS	BY
ADD 1 AGT (DIESEL) 02/07/2017 ER	
REV. PER CITY CORR. 04/28/2017 ER	

PLANS PREPARED BY:

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J & T BUSINESS MANAGEMENT

SITE # - 18463 ROAD 23
ADDRESS: MADERA, CA 93637

DRAWN
ER
CHECKED
LV
DATE
08/13/2016
SHT. TITLE
FUEL TANK, DEF TANK
& PIPING PLAN
JOB NUMBER
SHEET
PP1.1

PIPING LEGEND:	
-----R-----	REGULAR (87)
-----P-----	SUPER (91)
-----D-----	DIESEL
-----V-----	VENT
-----VR-----	VAPOR RETURN
-----TDSL-----	TRUCK DIESEL
-----DEF-----	DEF

LEGEND:	
	8" REINFORCED CONCRETE TANK SLAB (A1)
	6" REINFORCED CONCRETE DRIVE SLAB (A2)

