

A. GENERAL

- 1.0 REFERENCE TO GENERAL CONTRACTOR IS DENOTED BY G.C.
2.0 THE WORK COMPLETED UNDER THESE SECTION(S) WILL INCLUDE ALL TANK(S), PIPING, EQUIPMENT AND RELATED INSTALLATION WORK NECESSARY FOR A COMPLETE AND OPERATING PETROLEUM PRODUCT STORAGE, HANDLING AND DISPENSING SYSTEM.

B. REMOVAL & DISPOSITION OF EXISTING TANKS (WHEN REQ'D)

- 1.0 EVACUATE PRODUCT FROM TANKS AND LINES.
1.1 FOR STP SYSTEM, DRAIN LINES INTO TANK BY REMOVING STP CHECK VALVE AND OPENING SAFETY VALVE TEST PORT. DISCONNECT STP UNION / SWING AND DRAIN PRODUCT INTO AN APPROVED CONTAINER.

C. EXCAVATION

- 1.0 SIDES OF TANK HOLE EXCAVATION SHALL BE SLOPED IN ACCORDANCE WITH O.S.H.A. "CONSTRUCTION SAFETY & HEALTH REGULATIONS", SUBPART P-EXCAVATIONS, TRENCHING 1562850 THRU 1926653.

D. TANKS

- 1.0 TANK MANUFACTURER'S INSTALLATION CHECKLIST SHALL BE INITIALED/SIGNED BY G.C AND OWNER'S ENGINEER, AS APPROPRIATE, AS EACH STEP IS COMPLETED.

4.0 INSTALLATION

- 4.1 INSTALLING CONTRACTOR SHALL BE CERTIFIED BY TANK MANUFACTURER.
4.2 BEDDING AND BACKFILL MATERIAL SHALL BE WELL WASHED AND FREE OF ICE AND SNOW AND MUST MEET ASTM D-448, ASTM C-33 AND AASHTO M-43 QUALITY AND SOUNDNESS.

4.4 ALTERNATE INSTALLATION (NOT ALLOWED)

4.5 WET EXCAVATION CONDITIONS

- 4.5.1 G.C. SHALL BE RESPONSIBLE TO EVACUATE WATER FROM EXCAVATION. IF CONDITIONS REQUIRE SHORING, CONSULT OWNER'S ENGINEER. METHOD MUST BE APPROVED BY OSHA AND OWNER'S ENGINEER.

5.0 RISER COATING AND WRAPPING

- 5.1 PRIOR TO COMPLETION OF BACKFILL AND AFTER PRESSURE TESTING TANK, COAT ALL CORRODIBLE COMPONENTS EXPOSED TO BACKFILL WITH COAL TAR EPOXY AND WRAP WITH FELT OR 3M TAPE.

6.0 BALLASTING

- 6.1 WATER BALLASTING - GC TO BALLAST TANKS
6.1.1 ATTACH ONLY STP RISER AND MANIFOLD HOUSING TO TANK. G.C. SHALL PROTECT AND STORE REMAINING STP COMPONENTS.

7.0 TESTING (AFTER PAVING IS COMPLETE)

- 7.1 G.C. SHALL CONTACT R.T. OWNERS ENGINEER TO HAVE PRECISION TEST ON PRIMARY TANK AFTER PAVING IS COMPLETE. PRODUCT HAS BEEN PLACED IN TANKS, DISPENSERS HAVE BEEN INSTALLED, AND PRIOR TO FINAL PROJECT ACCEPTANCE.

E. PIPING

- 1.0 PIPE MANUFACTURER'S INSTALLATION CHECKLIST SHALL BE INITIALED AND SIGNED BY G.C. AND OWNER'S ENGINEER, AS APPROPRIATE, AS EACH STEP IS COMPLETED.

5.0 CONNECTIONS:

5.1 THREADED CONNECTIONS

- 5.1.1 THREADS SHALL BE CLEAN OF ALL SAND AND THREAD CUTTING OIL PRIOR TO JOINING.
5.1.2 APPLY THREAD SEALANT PER E-3.4 START ALL THREADED CONNECTIONS BY HAND. SECURE FRP COMPONENTS USING ONLY A STRAP WRENCH. DO NOT FORCE THREADS.

5.3 FLEX LINE CONNECTIONS

- 5.3.1 INSTALL FLEXIBLE LINE CONNECTORS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5.3.2 IMMEDIATELY AFTER INSTALLING FLEX LINE COUPLING, PLACE CAP OR PLUG ON COUPLINGS TO PREVENT DEBRIS FROM ENTERING LINES.

6.0 LINE TESTING

- CAUTION: NITROGEN FROM A GROUNDED SOURCE SHALL BE USED IN LIEU OF AIR FOR TESTING IF LINES HAVE BEEN EXPOSED TO GASOLINE. NOTE: OWNER'S ENGINEER SHALL WITNESS ALL LINE TESTING.
6.1 G.C. SHALL NOTIFY OWNER'S ENGINEER TWO DAYS PRIOR TO TESTING.

DISPENSER:

- 1.0 DISPENSER SHALL BE SECURELY ATTACHED TO ANCHOR BOLTS WHICH SHALL BE SET IN CONCRETE ISLAND. QUANTITY AND SIZE OF ANCHOR BOLTS SHALL BE AS SPECIFIED IN DISPENSER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2.0 DISPENSER SHALL BE ACTIVATED ONLY IN PRESENCE OF AN AUTHORIZED DISPENSER REPRESENTATIVE. G.C. HAS SOLE RESPONSIBILITY FOR DAMAGE TO DISPENSER IF THIS INSTRUCTION IS NOT FOLLOWED.

G. MISCELLANEOUS REQUIREMENT

- 4.1 SET ALL TANK SLAB MANHOLES AND STREET BOX ELEVATIONS 2" ABOVE FINISHED GRADE. SLOPE (1 5/16 INCH PER FOOT) CONCRETE AWAY FROM RIM TO MEET SLAB GRADE.

H. CONCRETE

- 1.0 CONCRETE SHALL BE IN ACCORDANCE WITH OWNER'S PAVING SPECIFICATIONS AND DETAILS.

I. AS-BUILT DRAWINGS

- 1.0 G.C. SHALL PROVIDE A COMPLETE SET OF AS-BUILT DRAWINGS TO SCALE DEPICTING PRECISE LOCATION OF ALL COMPONENTS INSTALLED (INCLUDING PRODUCT/VAPOR LINE SIZES AND LOCATIONS, CONDUIT SIZES AND LOCATIONS ETC.) PRIOR TO OWNER'S ENGINEER PROJECT ACCEPTANCE.

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Table with 2 columns: DATE, DESCRIPTION

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PROJECT NAME
EAST MAIN ST.

CARTERVILLE
GEORGIA
1325 E. MAIN ST.

RACETRAC PROJECT NUMBER
1310

PLAN SERIES
2011 BR-RH-M90 0801

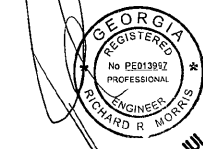
PLAN MODIFICATION NOTICE

- NO MODIFICATIONS APPLIED
MODIFICATIONS APPLY

SPB NO. 1080 DATE 04/01/00

STANDARD PLAN BULLETINS (SPB) MODIFY THE PLAN SERIES SET NOTED ABOVE. THE SPB GIVEN ABOVE REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PLAN SERIES SET. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ALL BULLETINS.

PROFESSIONAL SEAL



RICHARD R. MORRIS
GA REG # PE013927

PROJECT NUMBER
18154

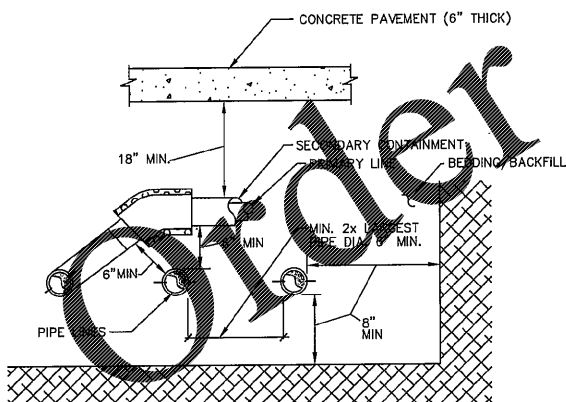
SHEET TITLE

TANK AND PIPING NOTES

SHEET NUMBER

RT-T5.0

ISSUED FOR CONSTRUCTION



PIPING NOTES:

- 1. PRODUCT LINES AND VENT LINES TO SLOPE MIN. 1/8" PER FOOT DOWN TO UNDERGROUND TANKS.
2. PROVIDE MINIMUM 6" VERTICAL & 2x PIPE DIAMETER HORIZONTAL SEPARATION (6" MIN.) BETWEEN FUEL LINES (NFPA 30:27.6.5.647)

PIPING COVER AND SEPARATION DETAIL

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