



- NOTES
1. PEA GRAVEL BACKFILL - ALL OTHER MATERIALS MUST BE APPROVED BY TANK MANUFACTURER AND OWNER'S FIELD REPRESENTATIVE.
  2. CROWN EXCAVATION FOR BRAINAGE TO OBSERVATION WELLS: INSTALL SHALLOW PAN IMPERMEABLE LINER IN DRY HOLES ONLY. PROVIDE 6\"/>
  - 3. 3/4\"/>
  - 4. 3/4\"/>
  - 5. FOR USED OIL TANK CAVITY - ONE 4\"/>
  - 6. THREE 4\"/>
  - 7. 3/4\"/>
  - 8. SLOPE SIDES OF TANK HOLE AS REQUIRED BY SOIL CONDITIONS. 24\"/>
  - 9. GAUGE POLE HOLDER: G.C. TO FURNISH 4\"/>
  - 10. 4\"/>
  - 11. PIPE TO BE REAMED ON BOTH ENDS TO ACHIEVE A TRUE OPENING OF 4\"/>
  - 12. CUT AND POSITION FILL TUBE WITH ANGLE AWAY FROM SUB-PUMP, AS SHOWN.
  - 13. CURB BOX COVERS ARE TO BE PRIMED AND PAINTED ACCORDING TO THE FOLLOWING SPECIFICATIONS:
    - \* FILL: REGULAR UNLEADED - WHITE W/BLACK CROSS
    - REGULAR LEADED - BLUE
    - PLUS UNLEADED - BLUE W/WHITE CROSS
    - SUPER UNLEADED - RED W/WHITE CROSS
    - \* VAPOR RECOVERY: ORANGE
    - \* TANK GAUGE: GRAY
    - \* TANK OBSERVATION WELLS - BLACK TRIANGLE ON WHITE BACKGROUND
    - SUBMERSIBLE PUMPS - GRAY
    - \* PAINT SURROUNDING 3\"/>
  - 14. SLOPE CONCRETE AROUND ALL CONCRETE CURB BOXES + 1\"/>
  - 15. TANK BOTTOMS ARE TO BE INSTALLED LEVEL.
  - 16. DRILL 1/8\"/>
  - 17. FIBERGLASS PIPING SHALL BE LAID AND CONTINUOUSLY SUPPORTED ON A 8\"/>
  - 18. FUEL OIL OR USED OIL TANKS ARE TO BE INSTALLED ONLY WHEN SPECIFIED ON PLOT PLAN. FUEL OIL FITTINGS ARE TO BE SUPPLIED BY GENERAL CONTRACTOR.
  - 19. SEAL AND PLUG UNUSED OPENINGS.
  - 20. MINIMUM BEND RADIUS 8\"/>
  - 21. INTERIOR OF FIBERGLASS RISER TO BE CLEAR OF PEA GRAVEL BACKFILL SO THREADED JOINTS ARE EXPOSED.
  - 22. PROVIDE 6\"/>

**UNDERGROUND STORAGE TANKS GENERAL SPECIFICATIONS**

GENERAL: EXCAVATE, SET AND FILL AROUND ALL UNDERGROUND TANKS AS SHOWN. TANKS ARE TO BE BALLASTED WITH PRODUCT OR WATER, ACCORDING TO LOCAL REGULATIONS. AFTER INSTALLATION AND BACKFILL, SEE OWNER'S REPRESENTATIVE. ALTERNATE METHODS OF BACKFILLING TANKS SHALL BE AS RECOMMENDED BY TANK MANUFACTURER AND APPROVED BY OWNER'S FIELD REPRESENTATIVE.

GENERAL: WHERE THIS DRAWING IS IN CONFLICT WITH THE LOCAL REGULATIONS, LOCAL REGULATIONS WILL SUPERCEDE THIS DRAWING, IF MORE RESTRICTIVE.

FIBERGLASS TANKS: ALL TANKS ARE TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND APPROVAL OF OWNER'S FIELD REPRESENTATIVE.

PIPE: GLASS FIBER PIPE TO BE A.O. SMITH OR CIBA GEGY. (BRANDS MAY NOT BE MIXED). STEEL PIPE TO BE SCHEDULE 40 GALVANIZED. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

PIPE JOINT SEAL: RECTORSEAL #5 OR #7 SHALL BE USED ON ALL STEEL PIPE FITTINGS.

TRENCHING: ALL TRENCHING FOR PIPE SHALL BE AS NOTED ON DRAWINGS. SPACE PIPING IN TRENCHES 8\"/>

TANK VENTS: ALL TANK VENTS SHALL BE 2\"/>

TANK AND PRODUCT LINE TEST: UPON DELIVERY, ALL UNDERGROUND STORAGE TANKS SHALL BE TESTED ABOVE GROUND WITH AIR PRESSURE AT 5 PSI. USE SOAP AND WATER OR OTHER APPROVED METHOD FOR DETECTING LEAKS. LOOSEN THE PLUG FOR VENTILATION AFTER AIR TEST.

AFTER INSTALLATION BELOW GROUND AND FOLLOWING BACKFILL TO TOP OF TANK AND INSTALLATION OF PIPING CONNECTIONS, ALL UNDERGROUND STORAGE TANKS SHALL BE TESTED WITH AIR PRESSURE AT 5 PSI.

GASOLINE PRODUCT LINES INCLUDING VENT LINES SHALL BE TESTED WITH AIR PRESSURE AT 50 PSI BEFORE BACKFILL USING SOAP AND WATER OR OTHER OWNER APPROVED METHOD OF DETECTING LEAKS.

AFTER COMPLETION OF ALL YARD CONCRETE WORK, INCLUDING TANK PADS AND PUMP ISLANDS, A SECOND 50 PSI AIR PRESSURE TEST SHALL BE PERFORMED ON THE GASOLINE PRODUCT LINES PRIOR TO ACTIVATING THE SUBMERGED PUMPS. A PETRO-TITE TANK AND LINE TEST OR OTHER APPROVED TEST SHALL THEN BE CONDUCTED AT THE OWNER'S EXPENSE.

AIR TESTS SHALL BE MAINTAINED WITHOUT FALL-OFF IN PRESSURE FOR A MINIMUM OF 60 MINUTES. ALL TESTS SHALL BE MADE IN THE PRESENCE OF THE OWNER'S FIELD REPRESENTATIVE.

TANK ANCHORING: TO BE DONE ACCORDING TO SPECIFICATIONS OF THE TANK MANUFACTURER. THE ENGINEER WILL DETERMINE THE NECESSITY OF ANCHORING AT A GIVEN SITE.

O - MATERIAL SCHEDULE

NO.	EQUIPMENT SCHEDULE	SUPPLIER
1	SPILL PROTECTION WITH DRAIN VALVE	OWNER
2	4\"/>	

  

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1	SPILL PROTECTION WITH DRAIN VALVE	OWNER
2	4\"/>	

  

**RETAIL MARKETING  
DESIGN AND ENGINEERING**  
200 PUBLIC SQUARE  
CLEVELAND, OHIO 44114

**TANK & LINE DETAILS  
SUBMERGED (REMOTE) PUMPING  
FIBERGLASS PIPING**

DWG. NO.: 15-R	REV.: 4
SCALE: N.T.S.	MADE BY: JDD
DATE:	CHECKED BY: JDD
REVISIONS	DATE
CHANGED GAUGE POLE HOLDER, TANK GAUGE	10/20/87
REV. NOTE 13	10/22/87
REV FLEX ASSEMBLY, MANHOLES AND OVERFLOW	1/22/88
REV FLEX ASSEMBLY	10/6/88