

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

North Carolina Prefabricated Tank Approval

Issued To: Valencia Pipe Company
28305 Livingston Ave
Valencia, CA 91355

For: 1,500 gallon septic tank (Model Number 87-41760)

Date: March 7, 2025

I. Material

The tanks shall meet or exceed the requirements in either of the following standards, including any subsequent amendments or editions to the documents:

- A. CSA B66-21;
- B. IAPMO Guide Criteria 262-2010 Corrugated Thermoplastic Tank; or
- C. IAPMO/ANSI Z1000-2019 Prefabricated Septic Tanks.

II. Design Criteria

- A. Nominal wall thickness: 0.315 inches, minimum
- B. Tank dimensions as shown on the plans

Tank Size	1,500 gallon ST
Approval Number	STB-2166
Length (outside)	135.62 inches
Width (outside)	55 inches
Height (outside)	68.5 inches

III. Tank Sizing

Based on the criteria established in 15A NCAC 18E .0801 and .0802.

IV. Risers

Approved risers for use with Valencia Pipe Company tanks are Tuf-Tite risers.

V. Siting Criteria

- A. Tanks shall not be installed in areas with saturated soil conditions or indications of a seasonal high-water table, as determined in accordance with 15A NCAC 18E .0504, between the ground surface and the bottom of the proposed tank installation excavation.
- B. Tanks shall not be installed in areas which are to be subject to vehicular loading of any kind.
- C. Tanks shall not be stored or installed in areas which may be subject to exposure to an ignition source.
- D. Tanks shall be located and oriented in such a way that the inlet pipe shall enter the tank through one of the three preformed inlet pipe penetration points located at the inlet end of the tank. Inlet shall be through a gasket provided by the manufacturer.
- E. The tank outlet pipe shall be installed in one of the three preformed outlet pipe penetration points located at the outlet end of the tank. The outlet shall be through a gasket provided or recommended by the manufacturer.
- F. Tank top must be at least 6 inches below the finished grade. Maximum burial depth is 36 inches below grade. The riser over the pump (outlet end) must be 6 inches above finished grade.
- G. Other siting criteria as specified in 15A NCAC 18E and minimum setback distances, as specified in 15A NCAC 18E .0601, shall be met.

VI. Installation and testing procedures

- A. Manufacturer's installation instructions for Valencia Pipe Company tanks shall be adhered to, except as required herein or by 15A NCAC 18E.
- B. Tanks shall be distributed through a network of dealers or distributors authorized by Valencia Pipe Company.
- C. Standard field soil classification methods shall be used to determine the soil textural class identified in the manufacturer's installation instructions.

VII. Operation, maintenance, and monitoring requirements

- A. System management entity, inspection, and reporting frequency requirements shall be in accordance with 15A NCAC 18E .1301, Table XXXII.
- B. Operation, maintenance, and monitoring requirements shall be in accordance with the manufacturer's installation instructions, except as required herein or by 15A NCAC 18E.
- C. The operator or the local health department, as applicable, during an inspection of the system should remove any access lids and inspect the tanks for sign of infiltration, leakage, and structural failure. Any problems noted shall be reported to the local health department, Valencia Pipe Company, and the On-Site Water Protection Branch. Repairs made shall be consistent with the recommendations of Valencia Pipe Company and the On-Site Water Protection Branch.