

Little Hope-Moore Water Supply Corporation
Non-Standard Service Application
Specifications

1. Approved Materials

All materials provided on projects shall meet the following requirements unless previously approved by LRWSC staff.

A. Pipe

1. Water mains shall be SDR-21 CL-200 as manufactured or approved equal.
2. Restrained joint pipe shall be Yelomine CL-200 as manufactured or approved equal.
3. Service lines shall be 3/4" CTS SDR 9 / 250 PSI poly tubing as manufactured or approved equal.
4. All long side service casing shall be 2" Yelomine.
5. Encased roadway crossings shall be Yelomine pipe with spacers and end caps unless not authorized by the Texas Department of Transportation. If Yelomine is not allowed, steel casing meeting the specifications of TxDOT may be used.
6. Non-Road bores shall be Yelomine CL-200 pipe.
7. Main line road bores shall be Yelomine CL-200 as manufactured or equal. Incased in approved casing as authorized by TxDOT for state roads or as authorized by Van Zandt County regulations for county roads or as authorized by LHMWSC.
8. When steel casing is installed, pipe spacers and end seals shall be installed.
9. All water mains and services shall be installed with 12-gauge solid copper tracer wire and marker tape 12 to 18 inches below the ground surface.
10. Minimum water main size of 4-inch pipe.

B. Gate Valves

1. Gate valves shall be used on all valves unless approved by LHMWSC staff.
2. Approved manufacturers are Mueller or American Flow.
3. All gate valves shall be installed with 12-gauge solid copper tracer wire.
4. All valve risers shall be 6" SDR-21 CL-200 PVC or approved equal.

C. Fire Hydrants

1. Hydrants shall meet the requirements of AWWA C-502 with 4-1/2" pumper nozzle painted red.
2. Approved manufacturers are Mueller or American Flow.

D. Fittings

1. All fittings, and valves shall be installed with restrained joints as manufactured by Tyler Union, Sigma, Star Pipe, or approved equal.
2. All fitting shall be short body ductile iron as manufactured by Tyler Pipe, Sigma, Star Pipe, American Cast Iron Co., or approved equal.
3. Tapping sleeves shall be mechanical type sleeve made of cast iron, steel, ductile iron as manufactured by Smith Blair, Tyler, or approved equal.

E. Services

1. ____ x 3/4" tapping saddles shall be Ford model no S91.
2. 3/4" corporation stops shall be Ford model no. F1100-4NL.
3. 3/4" curb stops shall be Ford model no. B43-444WNL or BA43-444WNL.
4. Meter boxes shall be DL200 meter box w/ Blue lid with reader lid or approved equal.

2. Installation

Plans shall bear the following notes:

- A. The Contractor shall notify Little Hope-Moore Water Supply staff 48 hours prior to construction start at (903) 253-5565.
- B. Fire Hydrants shall be installed per the fire code in both Canton, and Van Zandt County areas.
- C. The Contractor shall keep all pipe installations exposed until LHMWSC staff has inspected the installation. Failure to do so will result in non-acceptance and the requirement to expose the installation for inspection.
- D. All water main shall be installed at a minimum 24" deep cover and shall not exceed 36" of cover unless approved by Little Hope-Moore Water Supply Corporation.
- E. All water mains shall be installed 10 to 15 feet inside the property line parallel with the road located in a private 30' easement, dedicated to Little Hope-Moore Water Supply Corporation. No other utilities may utilize this easement.
- F. No sidewalks or structures are allowed in LHMWSC dedicated easements.
- G. Little Hope-Moore WSC will not be responsible for any improvements or repairs constructed within the Little Hope-Moore WSC dedicated easement.

3. General Notes for Developer/Engineer

- A. All intersections within a proposed development shall have a gate valve on all sides of the cross or tee fitting.
- B. Minimum distribution system line size is 4". Larger size may be required based on line length and number of lots.
- C. Long side services on common lot lines can utilize the same PVC encasement.
- D. All developments will require engineered plans including but not limited to:
 - a. An overall site or utility plan showing the proposed streets, lots, and proposed utilities. The water main shall be clearly shown and labeled with all appurtenances including valves, services, encasements, flush hydrants, and other required items. The Engineer may elect to provide detailed information on plan and profiles for the proposed street improvements.
 - b. Standard details for the proposed waterline information. The details shall include the above information and attached typical details. Deviations from these standards and details must be approved by LHMWSC staff prior to construction.
- E. All duplexes/townhomes shall be served by a 3/4" or larger meters (one residential unit per meter).
- F. All trailer parks, apartment complexes, or RV parks shall utilize a master meter.
- G. All trailer parks and RV parks services shall be installed with a RPZ in hot box on the customer side of the meter.
- H. All water meters shall be installed to a depth of cover of nine (9) inches from top of meter-to-meter box lid. The meter box lid shall be no more than 2 inches above ground level.
- I. Backflow prevention shall be required in accordance with the City and/or County's current building codes.

Additional Notes for Consideration:

- 1. Little Hope-Moore WSC may allow less than a 30' wide easement under special circumstances. This will be reviewed and approved on a case-by-case basis.
- 2. Member equity-buy-in fee shall be calculated by multiplying the 5/8"x3/4" equity-buy-in rate by the meter size rate multiplier.