

**General**

1. The information shown on drawings/sketches supplied by the City of Meriden Public Works Department Engineering Division represents the location of underground utilities owned by the City of Meriden, to the best of its knowledge. The users of these documents are responsible for the interpretation of this information and shall design their work accordingly. The actual location of the municipal utilities must be verified by the contractor. The City of Meriden shall not be liable for any loss, damages or claims that arise from the use of these drawings/sketches.
2. The contractor must contact "Call Before You Dig", 1-800-922-4455 for location and marking of all existing utilities prior to any excavation. Permits will not be issued until the Contractor has a valid "Call Before You Dig" number.
3. All property owners affected by the work must be notified a minimum of 48 hours prior to the beginning of construction.
4. Permittee must contact the Department of Public Works Construction Inspection at (203) 537-3202 or (203) 630-4019 a minimum of 24 hours prior to beginning construction. Failure to do so may result in shut down of activities. Public Works Construction Inspection must inspect and approve all permitted work. Work will not be accepted nor will any bonds be released without inspection and approval.
5. Contractor is responsible to protect the City's infrastructure. Claims of damage remain with contractor for repair.
6. Any excavation within the drip line of trees within the City's Right of Way must receive City Tree Warden approval prior to beginning work. Contact the City Parks Department – 460 Liberty Street, telephone number (203) 630-4259. No trees shall be removed within City ROW without permission of the City Tree Warden. Tree applications must be filed with the City Parks Department. 21 days' advance notice required.

**Traffic**

1. Uniformed City of Meriden Police Officer(s) to provide traffic control when required. Police Scheduling can be reached at 203-630-6305.
2. Contractor must restore pavement markings disturbed by the construction immediately upon completion of the work in materials suitable to DPW – Traffic Division. Temporary tape, if used, must be maintained in good condition until the permanent markings are placed.
3. All temporary traffic control devices must conform to the Standards of the Manual on Uniform Traffic Control Devices (M.U.T.C.D.) and the City of Meriden. A Maintenance of Traffic plan (MOT) will be required for lane closures that will last for more than 1 day.

**Technical**

1. All work must conform to the City Standard Specifications and Details. ConnDOT Form 818 specifications and details are to be used if City details and specifications are not available. This includes, but is not limited to: trench backfill materials; pavement repair; curb replacements; and City sidewalks.
2. Existing curbing, sidewalks, pavement and related infrastructure shall be repaired, in-kind, at no cost to the City should these be damaged during construction.
3. Contractor is responsible for maintaining trenches pending permanent pavement repair. Failure to do so may result in forfeiture of Right-of-Way license fee.

4. Pavement repair is considered temporary until a permanent patch is installed per Engineering Standard Details. One winter is required before the permanent patch can be installed. Permanent patch must be in place for at least one year prior to bond release.
5. Sidewalk repair and replacement must be in place for one year prior to bond release.
6. Sidewalk contractors must be approved by the City prior to placing sidewalk within right of way. Samples of past work are required.
7. Final asphalt repair and/or replacement must be coordinated and approved by Engineering.
8. Prior to placement of concrete, Permittee must contact Public Works Construction Inspection at (203) 537-3202 or (203) 630-4019 for form inspection.
9. Erosion and sediment controls must comply with the latest Sediment and Erosion Control Manual published by the Connecticut Department of Energy and Environmental Protection.

#### Utilities - Sanitary

1. All sanitary sewer laterals shall be 6" PVC, SDR 35, ASTM D-3034 with a minimum 2% slope and a minimum three feet of cover.
2. Maximum preferred slope for sewer laterals is 8%. All laterals greater than 12% will require a drop. No drops into manholes will be permitted without WPCF approval.
3. 5' recommended minimum offset from edge of main to new utilities (10' offset from water). Offsets less than 5' require approval of Department of Public Utilities.
4. Cleanouts are to be located every 100' and direction changes. Cleanouts are to be shown on plot plan. Identify cleanouts on As-built with ties. Cleanouts in driveways must be enclosed in a traffic bearing frame and cover.
5. Manholes are required at major junctions to facilitate maintenance, particularly if the junction is not easily accessible.
6. Manholes over 8 feet deep require a 5' internal diameter.
7. A backwater valve must be installed if any plumbing fixtures are below the top of the nearest upstream sanitary sewer manhole.
8. Backwater valve location to be shown on plans in addition to being indicated on General Notes. Backwater valve may be placed inside or outside house, but must be accessible for maintenance. Identify backwater valves on As-built with ties. **Backwater valves are to be installed inside the foundation, unless prior approval is granted by the Department of Public Utilities.**
9. Visual inspection required for all existing sanitary laterals prior to permitting new connection. Video inspection required for laterals over 20' in length or more than 10 years old, unless otherwise directed by the Engineer.
10. City ownership and responsibility is for the sanitary main only. Property owner is responsible for the lateral from the wye to the building, including the wye connection and all cleanouts.
11. Engineering permits required for all sewer work outside the foundation and all work within the City right of way.
12. Contractor must contact Public Works Construction Inspection at (203) 537-3202 or (203) 630-4019 to inspect and approve work. Work will not be accepted without inspection and approval.

#### Utilities-Water

1. Water services shall be a minimum 1", Type "K" copper. Copper pipe (minimum 1", Type K) is required between the water main and either the curb box or meter pit. Only Type K copper and ductile iron are permitted for services. Plastic pipe is not permitted outside of the foundation.
2. Repairs to water services are allowed only for copper or brass services. Iron and galvanized pipe shall be replaced from curb box to meter. Repair joints are not allowed under sidewalks.

3. New water services shall have a minimum ten feet horizontal separation and an 18” vertical separation from any sanitary sewer line. Replacement water services should achieve the greatest separation practical.
4. 5’ recommended minimum offset from edge of water main to new utilities. Offsets less than 5’ require approval of Department of Public Utilities.
5. Single Family Residential meters are 5/8” unless otherwise required. Meter pits are required as determined by the PUC or when service length exceeds 100 feet. The “City of Meriden Conceptual Approval Form” must be completed and returned to the Engineering Department for meter sizing prior to approval.
6. Meter pits shall not be placed in driveways or any traffic load bearing surfaces. A minimum 5’ offset from such surfaces is required. 2’ offset is permitted with curbing. Meter pits are to be installed per City specifications and details. Meter pits are property owner responsibility and damage to meters resulting from meter pit damage is property owner responsibility.
7. City ownership and responsibility is from the water main to, and including, the curb box, along with the physical water meter. Property owner is responsible for the lateral from the curb box to water meter and all water meter pits and connections.
8. Engineering permits required for all water work outside the foundation and all work within the City right of way.
9. Contractor to notify Public Works Utilities Inspector when work is complete.

Utilities - Other

1. The following minimum horizontal & vertical clearances between utilities shall be maintained:

**Gas – Utility Separations**

<u>Utility</u>	<u>Vertical</u>	<u>Horizontal</u>
Sanitary Sewer Main	12"	84"
Sanitary Sewer Lateral	12"	60"
Water Main	12"	60"
Water Service	12"	60"
Storm Sewer	12"	48"

As-Builts and Survey

1. Contractor is responsible for submitting as-builts on all work, including ties to all new or modified utilities. Bonds will not be released until as-built information is submitted and approved by Engineer. Refer to “City of Meriden As-Built Requirements” document.
2. All survey monuments to be left undisturbed. If disturbance is necessary, City of Meriden Engineering Survey party to be contacted prior to work. Resetting of survey monuments must be performed by CT Licensed Surveyor.
3. Contractor may not begin work until existing monumentation is documented by City of Meriden Engineering Survey party.