



SECTION 10

CITY PROJECT REQUIREMENTS

10.1 PURPOSE

This section describes requirements and special considerations for various types of projects performed in conjunction with the City of Montgomery. City projects include but are not limited to: street widening, sidewalk construction, storm water drainage improvements, street re-surfacing and other miscellaneous projects.

10.2 GENERAL

All water and sewer work, including materials selection, installation requirements, and inspection testing, shall be performed in accordance with the requirements of this document unless specifically stated otherwise on the construction plans.

10.3 INSPECTION

All water and sewer installation/relocation work shall be inspected and approved by a representative of the Board prior to final release on the project. The approval of the City Inspector assigned to the project does not relieve the Contractor from his obligations to the Board. The Board's representative shall be the sole inspecting authority for water and sewer installation/relocation work.

10.4 CERTIFICATION REQUIREMENTS

10.4.1 ENGINEER

Plans for City Projects shall be signed and sealed by a professional engineer licensed by the State of Alabama. Plans submitted by engineers licensed in states other than Alabama will not be reviewed.

10.4.2 PLUMBER

The Contractor shall identify his plumber before the start of the City project. The plumber shall be a master plumber currently licensed with the City of Montgomery.

10.5 CONTRACTOR RESPONSIBILITIES

10.5.1 PROTECTION OF PROPERTY

During the course of construction, water and sewer services (including but not limited to manholes, meters, laterals, mains, etc.) shall be protected at all times. They shall not be left exposed to the elements. The components of active collection and/or distribution systems shall remain accessible for the purposes of maintenance, repair, and meter reading.

10.5.2 REPAIR OF PROPERTY

If during the course of a project the Contractor damages an existing water or sewer service (e.g. manhole, main, lateral, meter, meter box, etc.), the Contractor shall PROMPTLY arrange with the Board to replace or repair the damage at his own expense. All repairs on active water or sewer services affecting the Board's customers shall be performed and or supervised by Board personnel. The work shall be performed to the satisfaction of the Board's representative (City inspectors are not authorized to approve such repairs). Damage that will affect an active sewer or water service shall be IMMEDIATELY reported to the Board's representative and the service shall be restored to the site as quickly as possible.

10.5.3 WATER USAGE

The Contractor will be held responsible for all water usage resulting from his negligence and/or oversight for the duration of the project. The Board's representative shall estimate the water usage based on site-specific variables. The estimated usage will be billed to the Contractor at the most current published rates.

10.6 BOARD RESPONSIBILITIES

If during the design phase or the pre-construction walkthrough it is determined that damage to the existing water and sewer services is present (i.e. broken meter boxes, missing valve covers, etc.), the Board shall supply replacement materials at the Board's expense.

10.7 SERVICE CONNECTIONS

New ¾" water and 6" sanitary sewer laterals will be supplied to each vacant, legally sized, and platted lot. This requirement may be waived if, in the judgment of the City and the Board's engineer that other requirements are deemed more practical.

10.8 WATER MAIN REPLACEMENT AND RELOCATION

10.8.1 WATER METER AND LATERAL ADJUSTMENT

Water meters shall be set within the R.O.W. of the City street. The meters should be set either entirely in or entirely out of the poured sidewalk (not partially in or out). The meter should be centered in all boxes to allow for reading through the meter reader lid and for ease of removal and/or maintenance. The top of the meter register should be within 6 inches of the bottom of the meter top.

All laterals replaced or adjusted should, if at all possible, be run level with the water main. If this is not possible, the water lateral should not have less than 18" cover or more than 5' of cover. This is a general condition; field condition may require the Water Works representative to vary this requirement on an individual basis.

10.8.2 METER BOX

Meters set or adjusted in sidewalks should be set in 10"x18" inside dimension concrete boxes. If the sidewalk is ONLY subject to pedestrian traffic a concrete meter box lid with a cast iron meter reader lid may be used. If the sidewalk is subject in any way to vehicular traffic then a cast iron lid with cast iron meter reader lid must be used. Concrete boxes with said cast iron lids must be used in all areas, asphalt, concrete, or grass, where there is a possibility of vehicular traffic. Plastic boxes may be used in grass or dirt areas where there is no chance of vehicular traffic.

10.8.3 WATER LATERAL MATERIALS

When it is necessary to adjust a meter, either to raise, lower, or move sideways, the lateral on the residence side shall be NEW of the same kind or higher quality as used by the residence. On the Water Works side only Type "K" copper or brass laterals will be allowed with either flared or threaded brass fittings.

10.8.4 LEAD/GALVANIZED WATER LATERAL MATERIALS

If a sidewalk is to be poured over a water lateral on the Water Works side of the meter that is either lead or galvanized, then the old corporation stop will be cut and plugged and a new tap on the main will be made. The Board will make the replacement tap (must be same size or smaller) at no charge to the contractor.

10.8.5 FIRE HYDRANT REPLACEMENT/RELOCATION

It is the Contractor's responsibility to acquire the necessary materials to properly relocate, reset, or adjust existing fire hydrants as required by this document (see Section 8 Water Distribution Systems). If suitable materials prove not to be available the Contractor shall replace the fire hydrant with a new one meeting the Board's requirements. Fire hydrants

relocated, reset, or adjusted shall not be kept out of service more than 48 hours. The Contractor shall be responsible for informing the local authority (fire department) of the number, the location, and the duration of time the hydrants are to be out of service.

10.9 SANITARY SEWER REPLACEMENT/RELOCATION

10.9.1 MATERIAL REQUIREMENTS

Sanitary sewer mains and/or laterals shall be replaced with ductile iron pipe when the final grade (finished layer of asphalt) of the improved street will be less than 3 feet above the top of the pipe. The Board's representative shall also have the option of encasing in concrete sections of sewer mains/laterals he deems necessary in order to protect from traffic loading.

Six inches of concrete on all sides of the pipe, for the length of the trench, will be required when a sanitary sewer main or lateral is encased in concrete. It will also be required for the main and /or lateral to be supported and anchored when encased in concrete.

10.9.2 MANHOLE ADJUSTMENTS

Manholes will be adjusted to final grade by brick and mortar or precast manhole extensions; however, the manhole extension will not exceed more than 2 ½ feet of chimney as measured from the top of the manhole rim to the point where the manhole starts to increase in size. In this case the cone section shall be removed and a full diameter manhole section will be used to raise the manhole to grade.

Manhole rims and covers that are damaged during the course of work shall be promptly replaced. Any debris or dirt that is knocked into the manhole or main shall be promptly removed by the Contractor. The dirt or debris shall **NOT** be flushed down the sanitary sewer lines.

10.9.3 STORM WATER/GROUND WATER MANAGEMENT

The Contractor shall not be allowed to release ground and/or storm water into the sanitary sewer manholes, mains, or laterals.