

## **SPECIAL CONDITIONS**

All work shall conform to the City of Savannah Technical Specifications except as stated in these Special Conditions. The City of Savannah Technical Specifications are available online at the City of Savannah web site. Where in conflict, these Special Conditions shall govern.

### **GENERAL**

Engineer refers to both the Engineer for the project and the City of Tybee Island's Engineer. Justifications of the Engineer's approval including but not limited to required testing shall be submitted to the City of Tybee Island prior to the City of Tybee Island issuing concurrence.

Where requirements differ from those stated in the GASWCS "Green Book", the stricter will govern.

All communications required of the departments referenced in the City of Savannah ordinances will be submitted to the following City of Tybee Island Departments:

- 1) Department of Planning, Zoning & Economic Development
- 2) Public Works
- 3) Water & Sewer

Time of notification to the City of Tybee Island excludes:

- 1) Any and all federal, state, county and city holidays.
- 2) Weekends
- 3) Times of community alerts or disasters including, but not limited to, tropical storm and hurricane alerts, periods of rainfall exceeding the 25 year storm as determined by the City of Tybee Island and the following two weekdays.

Time of notification to the State Department of Transportation and other departments is the minimum. Such time of notification may be greater if required by those agencies.

All text for signage and markings shall be submitted to the City of Tybee Island for approval.

All materials will be domestic. Imported materials shall be allowed only after the City of Tybee Island approves a written request from the Owner's agent.

**SECTION 02100 CLEARING / PART 2 – EXECUTION / 2.05 EXISTING TREE PROTECTION / A. SITE DEVELOPMENT PROJECTS**

Tree Quality Points as defined in the City of Savannah Specifications are not required.

**SECTION 02100 CLEARING / PART 2 – EXECUTION / 2.05 EXISTING TREE PROTECTION / A. SITE DEVELOPMENT PROJECTS.**

The following requirements pertain ~~primarily to site development projects such as Community Centers, Fire Stations, and other projects that require Tree Quality Points:~~ to all projects.

**SECTION 02270 - EROSION AND SEDIMENTATION CONTROL**

Where requirements differ from those stated in the GASWCS “Green Book”, the stricter will govern.

**SECTION 02400 - STORM DRAINAGE**

**2.18 TELEVISIONING:**

After the completion of cleaning, all constructed storm lines must be televised ~~by the City~~ prior to acceptance. Accordingly, all storm lines that are installed ~~within accepted public right-of-ways and easements~~ will be televised, including ~~the first section of private lines between manholes that are connected to the public lines. In addition, storm lines from stormwater detention basins to the City system shall be televised. Contractors will be charged a fee, currently \$0.85/L.F. for all sizes, and will be responsible for preparing the lines to insure that they are cleaned and free of debris prior to televising.~~ Details and procedures of this program are included in the “Televising Procedures Manual” developed by the City’s Water Quality Control Department who will be providing the television services. Contractors will be responsible for becoming familiar with this manual and for the costs of televising. The City may waive the televising requirement if the lines are short enough and of a diameter that allows visual inspection by lamping.

**SECTION 02550 - WATER DISTRIBUTION SYSTEM / PART 1 - PRODUCTS**

**1.01 PIPE:**

A. Ductile Iron Pipe - Shall conform to ANSI/AWWA C150/A21.50 latest revision and ANSI/AWWA C151/A21.51 latest revision for laying condition two. All pipe shall be cement lined in accordance with ANSI/AWWA C104/A21.4 latest revision.

~~4.~~ All Pipe Larger than 12 inches shall be ductile iron unless PVC is specifically allowed by the City.

**1.09 GATE VALVES**

D. Valve Manhole - Gate valves ~~4”~~ 10” and larger shall be installed in a manhole. Gate valves 8” and larger within pavement shall be installed in a manhole.

**2.01 INSTALLATION**

4. Depth of Pipe - The Contractor shall perform excavation of whatever substances are encountered to a depth that will provide a minimum cover over the top of the pipe of 36-inches from the existing or proposed finished grade, for pipe 12-inches and smaller. Pipe larger than 12-inches in diameter shall have ~~36~~48-inches of cover from the finished grade. A minimum cover of 33” (inches) and a maximum cover of 60” (inches) 39” (inches) from finished grade shall be accepted as within tolerance used unless approved by the City to avoid a conflict. If the design cover will be less than 36”, duct iron pipe may be required by the City shall be used. Bedding shall be per specifications, industry association standards or manufacturers recommendations, whichever is greater.

**2.05 PROCEDURES FOR CONNECTIONS OF WATER MAINS:**

B. Procedure

6. If a wet tap is required, the contractor will be responsible for preparing the site. This preparation includes the excavation and installation of the tapping sleeve. The contractor will make available a

lifting device for the tapping machine and at least a 100 CFM Air Compressor to power the tapping machine. The City Contractor will provide the tapping machine and ~~one man~~ personnel to operate the unit.

~~All taps of 12" and smaller diameter will be made by the City Water Distribution Department unless authority has been granted in writing by the Water Distribution Superintendent for a private firm to perform the wet tap for a particular new main.~~  
All taps will be made under the supervision of the City of Tybee Island Water Department.

## **SECTION 02554 - WASTEWATER COLLECTION SYSTEM**

### **2.12 MANHOLES**

~~A 0.1' (feet) minimum drop shall be required through all manholes where the horizontal alignment change is less than 45 degrees. A 0.2' (foot) minimum drop shall be required through all manholes where the horizontal alignment change is 45 degrees to 90 degrees. The drop through manholes shall be equal to the steepest percentage of the upstream and downstream lines may be used at the discretion of the City of Tybee Island. Horizontal alignment changes greater than 90 degrees at a single manhole shall not be allowed. A wide sweep invert shall be required for all manholes where the horizontal alignment change is 90 degrees.~~

## **Section 03300 CAST-IN-PLACE CONCRETE**

### **CHAPTER 1 - GENERAL**

#### **1.1-Scope**

**1.3-Design of Concrete Structures** shall be performed and stamped by a Professional Engineer registered in the State of Georgia.

In no instance shall a concrete sidewalk be less than 4" thick nor a driveway less than 6" thick. The Engineer shall refer to City of Savannah Standard Construction Details for minimum design requirements of various structures.

### **CHAPTER 3 - PROPORTIONING**

#### **3.2-Strength**

The specified compressive strength of the concrete (**f'c**) for each portion of sidewalks and curb and gutters shall be a minimum of ~~3000~~ 4,000 psi unless a greater strength requirement is indicated on the contract drawings or herein. Driveway and road paving shall have a compressive strength of not less than 5000 psi. Strength requirements shall be based on 28-day compressive strength unless a different test age is specified. The compressive strength of the concrete shall be determined by ASTM C39.

### **CHAPTER 5 - REINFORCEMENT**

**5.7-Sidewalks** shall be reinforced by one of the following methods:

~~5.7.1-Welded wire mesh located 2" from the top surface of the concrete.~~ Minimum size of mesh shall be 6"x6" - W2.9 x W2.9.

**5.7.2-Concrete** shall be fiber reinforced.

**5.7.3-Deformed** reinforcing bars providing no less than 0.25 square inches per foot (each way).

## **SECTION 11100 - SUBMERSIBLE WASTEWATER PUMPS**

### **5-25 HORSE POWER DUPLEX ACROSS THE LINE MAGNETIC**

#### **PART III – FINAL INSPECTION**

##### **3.01 FINAL INSPECTION / ACCEPTANCE**

B. Dry Pumping Test:

~~The pump will be tested in one of two ways; Facility Test or Site Test:~~

The pump will be tested by both a Facility Test and a Site Test.