

## ENGINEERING DEPARTMENT

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City Engineer: Bobby Marr, E.I.T.

The Engineering Department is responsible for providing technical support to all other City Departments. It also provides technical assistance to the general public in residential, commercial and industrial capacities. It also acts as a liaison with other municipal, state, and federal regulatory agencies such as the Department of Transportation, Environmental Protection Division, Department of Natural Resources, and the U.S. Army Corps of Engineers.

The Engineering Department is responsible for:

- [Water and Wastewater Extension Design](#)
- [Storm Drainage](#)
- [City Projects](#)
- [Plan Review](#)
- [Construction Inspection](#)
- [Site Inspections](#)
- [Public Works Policies Enforcement](#)
- [Erosion and Sedimentation Control Enforcement](#)
- [Public Relations](#)
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# **WATER AND WASTEWATER EXTENSION DESIGN**

The City contracts out most of the larger water and wastewater extension designs to a local engineering agency named Mayes, Sudderth and Etheredge, Inc. However, the remaining extensions are handled by the Engineering Department or by outside engineers working for land developers. All water and wastewater extensions to City owned lines must be approved by both the Environmental Protection Division and the Engineering

Department. Copies of the water and wastewater extension application can be obtained from the office of the Planning Director.

## **STORM DRAINAGE**

All storm drainage designs, installations or modifications within the City's limits must be approved by the Engineering Department. This includes residential, commercial and industrial. See Part B, Section IV of the Public Works Policies and Specifications Manual for storm water detention requirements.

## **CITY PROJECTS**

Major City Projects are typically designed by outside specialty firms. However, all plans and specifications must be approved by the Engineering Department. The Engineering Department also handles construction inspection on all projects and contract administration on select projects.

## **PLAN REVIEW**

All site plans, construction plans and specifications concerning water, wastewater, streets and drainage must be reviewed and approved by the Engineering Department for all residential, commercial and industrial developments. Two copies of both should be submitted to the Department for review. One copy shall be returned with comments and the other kept by the Department. All building plans should be submitted to the office of the Building Inspector.

## **CONSTRUCTION INSPECTIONS**

The Engineering Department shall conduct construction inspections on all projects involving water, wastewater, storm drainage, streets, erosion and sedimentation control measures and driveway culverts. All installations must meet the applicable requirements of the "Public Works Policies and Specifications Manual", current edition. The following are examples of some of the forms used in the construction inspections. The forms are **NOT** all-inclusive and should be used for informational purposes only.

(SAMPLE CHECKLISTS)

## **SITE INSPECTIONS**

The Engineering Department also assists the Building Inspector with on site improvements in both residential and commercial construction. It is responsible for inspections of the water, wastewater, lot grading, and driveway culvert. It is also responsible for inspecting the erosion and sedimentation control measures and buffer

delineation and enforcement. A sample final lot checklist follows. The checklist is **NOT** all-inclusive and should be used for informational purposes only.

(SAMPLE FINAL LOT CHECKLIST)

## **PUBLIC WORKS POLICIES ENFORCEMENT and**

### **EROSION AND SEDIMENTATION CONTROL ENFORCEMENT**

The Engineering Department is responsible for the enforcement of the policies found in the “Public Works Policies and Specifications Manual” and the “Soil Erosion and Sedimentation Control Ordinance” as well as other local, state and federal laws and regulations. Copies of both follow.

#### **Public Works Policies and Specification Manual**

#### **Soil Erosion and Sedimentation Control Ordinance**

## **PUBLIC RELATIONS**

The Engineering Department also handles technical public relations. The Department responds to questions or concerns of a technical nature on issues such as but not limited to drainage, streets, water, wastewater, right-of-ways, easements, and construction procedures.

## **LINKS**

Department of Transportation - [www.dot.state.ga.us/](http://www.dot.state.ga.us/)

Environmental Protection Division - [www.dnr.state.ga.us/environ/](http://www.dnr.state.ga.us/environ/)

Department of Natural Resources

Coastal Resources Division - [www.dnr.state.ga.us/dnr/coastal/](http://www.dnr.state.ga.us/dnr/coastal/)

Soil and Water Conservation Commission - [www.ganet.org/gswcc/](http://www.ganet.org/gswcc/)

U.S. Army Corps of Engineers - [www.sas.usace.army.mil/](http://www.sas.usace.army.mil/)

Environmental Protection Agency - [www.ganet.org/dnr/environ/](http://www.ganet.org/dnr/environ/)

FEMA - [www.fema.gov/](http://www.fema.gov/)

GEMA - [www.state.ga.us/GEMA/](http://www.state.ga.us/GEMA/)

Utilities Protection Center - [www.gaupc.com](http://www.gaupc.com)

GA State Construction Industry Licensing Board - [www.sos.state.ga.us/ebd-construct/](http://www.sos.state.ga.us/ebd-construct/)

Natural Resources Conservation Service - [www.nrcs.usda.gov/](http://www.nrcs.usda.gov/)

American Society of Civil Engineers - [www.asce.org](http://www.asce.org)