

## Department of Public Works, Jefferson Terrace Culvert Refurbishment Project for City of East Point, Georgia

### **CLIENT/OWNER:**

**City of East Point**  
**Department of Public Works**  
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### **Contact:**

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### **Date Completed:**

February 2011

The project consists of improving drainage at a culvert on Jefferson Terrace in East Point, Georgia because the existing culverts are in poor condition and the basement of the upstream adjacent house floods. A sinkhole is located in the north bound lane (east lane) over the culverts. The existing culverts under the road consisted of two 48 inches diameter corrugated metal pipes (CMP). An existing 8-inch clay sanitary sewer pipe appears to cross through the existing CMP.



Scope of Services for this solicitation includes five (5) tasks: Surveying, Geotechnical Investigation, Engineering Study, Design and Work associated with addressing the two (2) ninety-degree (90°) bends in the channel downstream from the culvert.

### ***Services performed included:***

***Drainage and Sub-Basin Analyses*** - Our Team performed hydrologic and hydraulic evaluations, preparation of construction plans, calculation of and preparation of quantities, legal descriptions, cost estimates and infrastructure inventories.

***Land Surveying*** - Produced base mappings, legal descriptions, boundary surveys, topographic surveys, right of way surveys, and research of land records and deeds. All surveying performed was compatible with the County's G.I.S. system database.

***Geotechnical*** – Our Team performed subsurface exploration and geotechnical evaluation of the proposed box culvert and also provided recommendations for site preparation.

***Design and Permitting*** – Our Team prepared design documents for the replacement of the culvert and end walls, replacement of the two curb inlets, and replacement of the culvert under the roadway and obtained all necessary permits.