



## **Introduction**

The following Scope of Work is an addendum to Section 2 of the Work Plan for Rapid Response, Interim Corrective Measures and Comprehensive Site Assessment that was approved by the Alabama Department of Environmental Management on June 8, 2001. Section 2 of the Work Plan comprises an assessment of the East Coliseum Ditch Area. The purpose of this addendum is to evaluate sources, pathways, and volumes of water flowing through the west branch of the Kilby ditch in the interval between Coliseum Parkway and Coliseum Boulevard. Information obtained from this assessment will be used to evaluate the structural integrity of the ditch or culvert and the potential hydraulic interconnection between the base of the ditch and the groundwater table. This addendum includes work elements for video and land surveys of the storm water sewer system(s) between Coliseum Parkway and the east side of Coliseum Boulevard and the associated immediate vicinity. This addendum also provides for the temporary construction of a cofferdam or weir immediately east of the intersection of the west branch of the Kilby Ditch and Coliseum Boulevard. This cofferdam or weir will be used to evaluate the potential sources of water that may be entering the ditch or culvert in the interval between Coliseum Parkway and Coliseum Boulevard. The attached figure generally shows the area of the assessment.

## **Work Elements**

### **Survey of Storm Water Sewer System(s)**

- Video survey of the storm sewer system(s) between Coliseum Parkway and the east side of Coliseum Boulevard, to include contributing storm sewer pipes that may be beneath the Vista View Shopping Center. The survey will be used to evaluate the construction characteristics of the storm sewer system and areas where groundwater may enter the sewers.
- The elevations of the ground surface and the inverts of the storm sewers will be surveyed by a professional land surveyor.

### **Construction of Temporary Cofferdam/Weir**

- Construct a temporary cofferdam or weir in the west branch of the Kilby Ditch near its intersection with the east side of Coliseum Boulevard.
- The cofferdam or weir will be in place for 8 to 12 hours.



**ADDENDUM 05**  
**Addendum to the Assessment of the West**  
**Branch of the Kilby Ditch**  
**July 18, 2001**

- The cofferdam or weir will be removed the day that it is placed and will be removed immediately if there is a rainfall event of sufficient duration and intensity such that the cofferdam or weir could affect the conveyance of stormwater or that the cofferdam or weir could be damaged. The cofferdam or weir will be reconstructed at a later date should it have to be removed before the intended information can be obtained.
- If a cofferdam is constructed, the level of the water behind the dam will be monitored. The water will be pumped into a holding tank if water levels rise to 2 feet above the base of the ditch. Water pumped from the ditch will be treated with activated carbon filters and then discharged into the sanitary sewer at the ALDOT Central Staging Area.

**Evaluation of Data**

- Results of this evaluation will be used in the development of the ground-water flow and contaminant fate and transport model for selecting the interim remedial measure(s) for the East Coliseum Boulevard Ditch area.