

OTHER CONTROLS

The Contractor shall follow this ESPCP and ensure and demonstrate compliance with all applicable State and/or local regulations for waste disposal, sanitary sewer and septic systems, and petroleum storage.

The Contractor shall control dust from the site in accordance with Section 161 of the current edition of the Department's Standard Specifications.

RETENTION OF RECORDS

The Department will retain all records related to the implementation of this ESPCP in accordance with Part IV.F of the General Permit GARI00002.

SEDIMENT STORAGE

The site has a total disturbed area of X.XX acres. The following table summarizes the required and available sediment storage for every outfall on this project. The Contractor shall provide and maintain the storage volumes for the BMP's specified in this table.

| Outfall ID | Total Drainage Area (acres) | Disturbed Area (acres) | Required Sediment Storage Volume (yd ³) | Total Storage Volume Provided (yd ³) | Inlet sediment Traps (5 yd ³ /each) | | Silt Fence (0.3 yd ³ /ft) | |
|--------------|-----------------------------|------------------------|---|--|--|---------------------------------|--------------------------------------|---------------------------------|
| | | | | | # of Devices | Total Volume (yd ³) | Length of Fence (ft) | Total Volume (yd ³) |
| 1 | 2.580 | 1.536 | 172.86 | 430 | 7 | 35 | 1317 | 395 |
| 2 | 2.307 | 2.196 | 154.57 | 359 | 8 | 40 | 1064 | 319 |
| 3 | 2.140 | 0.866 | 143.38 | 174 | 8 | 40 | 445 | 134 |
| 4 | 3.414 | 2.141 | 228.74 | 545 | 9 | 45 | 1665 | 500 |
| 5 | 3.122 | 0.208 | 209.17 | 111 | 6 | 30 | 270 | 81 |
| TOTAL | 13.563 | 6.947 | 908.72 | 1618 | 38 | 190 | 4761 | 1428 |

To prevent runoff from bypassing inlet sediment traps, a temporary sump shall be installed around all inlet sediment traps that are not located in a low point or an excavated sump. Construct temporary sumps in accordance with Construction Detail D-24C. Temporary sumps shall be installed in a manner that ensures stormwater does not bypass the inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

The total storage volume for Drainage Area *4 is less than the required volume. This is a result of the disturbed area being a very small percentage of the total drainage area. The disturbed area is protected by "type c" silt fence, inlet sediment traps, and grassing (temporary and permanent). Construction of a sediment basin would significantly increase the disturbed area and is not practical in this area.

TEMPORARY SEDIMENT BASIN DETAILS:

Temporary sediment basins will not be utilized on the project due to limited right of way. We are using our current bmps for drainage.

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPS:

No alternative or additional BMPs will be used on this project.

DISCHARGES INTO OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT

All outfalls are either located further than 1 linear mile upstream or outside of the watershed of an impaired stream segment that has been listed for criteria violated, "Bio F" (impaired fish community) and/or "Bio M" (impaired macro invertebrate community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

WATER QUALITY INSPECTING AND SAMPLING PROCEDURES

See Special Provision 167 and other contract documents for the inspecting and sampling procedures.

READY MIX CHUTE WASH DOWN

The washing of ready-mix concrete drums and dump truck bodies used in the delivery of Portland cement concrete is prohibited on this site.

In accordance with Standard Specification 107: Legal Regulations and Responsibility to the Public, only the discharge chute utilized in the delivery of Portland cement concrete may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the travelled way, including shoulders, for a wash-down pit. The pit shall be large enough to store all wash-down water without overtopping. Immediately after the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in, and the ground above it shall be graded to match the elevation of the surrounding areas. Alternate wash-down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash-down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down pit that includes the following: (1) a location away from any storm drain, stream, or river, (2) access to the vehicle being used for wash down, (3) sufficient volume for wash-down water, and (4) permission to use the area for wash down.

On sites where permission or access to excavate a wash-down pit is unavailable, the Contractor may have to wash-down into a sealable 55-gallon drum or other suitable container and then transport the container to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A Guide for Ready Mix Chute/Hopper Wash-down".

STREAM AND OPEN-WATER BUFFER ENCROACHMENTS

Stream Buffers, as defined by O.C.G.A. 12-7-1, are impacted by this project.

The Contractor is not authorized to enter into stream buffers, except as described in the table below:

| Name or Number of Stream or Other Water Body Type | Location of Buffered Streams and State Waters** | | | Stream Type (Warm/Cold Water)* | Buffer Impacted? (Yes/No) | Buffer Variance Required? (Yes/No) |
|---|---|--------------------------|------------------------|--------------------------------|---------------------------|------------------------------------|
| | Stream Alignment | Begin Station and Offset | End Station and Offset | | | |
| Stream No. 4 | Perpendicular to Old Alabama Road | 28+72 60 RT | 29+24 72 RT | WARM | YES | NO |
| Description of Impact: PLACEMENT OF RIP RAP ON BOTH SIDES OF THE STREAM | | | | | | |

Unless noted otherwise, utility companies will be submitting the required permits/variances in conjunction with the impacts caused by their activities. If utility impacts are covered by the Department's stream buffer variance, this shall be noted in the buffer-variance-required column.

* Warm water streams have a 25-foot minimum buffer as measured from the wrested vegetation. Cold water streams have a 50-foot buffer as measured from the wrested vegetation.

**Locations are approximate, a detailed location of stream buffers and authorized work areas are shown on the individual BMP sheets

SAMPLING GENERAL NOTES:

Representative sampling may be utilized on this project as explained here. The individual outfall drainage basins along the project corridor have been carefully evaluated and compared on the basis of four characteristics: the type of construction activity, the disturbed acreage, the average slope about the outfall, and the soil erosion index 0-10, 10 being the most erodible soil. The construction activity types are road widening, and maintenance/safety. The disturbed area is equal to or greater than 2 acres. The average outfall slope is mild if it is equal to or less than 0.03, and steep if it is greater than 0.03. The soil erosion index is low if it is less than or equal to 5 and high if it is greater than 5. After evaluation of these characteristics as presented in the project's drainage area map, hydrology and hydraulic studies, construction plans, geotechnical soil survey, and erosion sedimentation and pollution control plans, the Department has determined that the representative sampling scheme shown below is valid for the duration of the project. The table shows the groups of similar outfall drainage basins.

The increase in turbidity at the specified locations in the table below will be representative of the alternate outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative sampled features are identified in the table below.

| Note: The Total site area is 8.307 acres. | | | | | | | | | | | Representative Sampling Scheme | | | | |
|---|-------------------------------|----------------------------|--|--|--|---------------------------------|---------------------------|--|--|-------------------------|--------------------------------|------------------------|----------------------------------|--------------------|-----------------------------------|
| SAMPLING INFORMATION | | | | | | | | | | | OUTFALL CHARACTERISTICS | | | | |
| Primary Sampled Feature | Location (Station and Offset) | Name of Receiving Water | Applicable Construction Stage for Sampling | Sampling Type (Outfall or Receiving water) | Drainage Area for receiving water (mi ²) | Upstream Disturbed Area (acres) | Warm or Cold Water Stream | Appendix B NTU Value (Outfall Sampling only) | Allowable NTU Increase (Receiving water sampling only) | Location Description | Construction Activity | Disturbed Area (acres) | Average Outfall Slope (Rise/Run) | Soil Erosion Index | Alternate Outfall Drainage Basins |
| 1 | 16+60, 66 ft R | Stream No. 1 | All | Outfall | 0.004 | N/A | Warm | 75 | N/A | Headwall Outlet/16+60 R | Road Widening | 1.536 | 0.0223 | N/A | N/A |
| 2 | 25+26, 58 ft R | Stream No. 2 | All | Outfall | 0.004 | N/A | Warm | 75 | N/A | Headwall Outlet/C-6 | Road Widening | 2.196 | 0.0312 | N/A | N/A |
| 3 | 28+36, 63 ft L | Stream No. 4 | All | Outfall | 0.003 | N/A | Warm | 75 | N/A | Headwall Outlet/B-3 | Road Widening | 0.866 | 0.0412 | N/A | N/A |
| 4 | 29+02, 67 ft R | Stream No. 4 | All | Outfall | 0.005 | N/A | Warm | 75 | N/A | Headwall Outlet/A-5 | Road Widening | 2.141 | 0.0381 | N/A | N/A |
| 5 | 103+52, 72 ft L | Tributary of Chattahoochee | All | Outfall | 0.005 | N/A | Warm | 75 | N/A | 30" Pipe Outlet/E-1 | Road Widening | 0.208 | 0.0221 | N/A | N/A |

The primary sampled features specified should be used as the initial sampling locations. An alternate sampled feature may be used if additional sampling is required or to replace a primary sampled feature that is no longer located within the active phase of construction.

GEORGIA
DEPARTMENT
OF
TRANSPORTATION

NTS

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7 PRECONSTRUCTION
ESPCC GENERAL NOTES

OLD ALABAMA ROAD @
SR 141/MEDLOCK BRIDGE ROAD

DRAWING No.
51-02