

# VOID

**TEMPORARY SEDIMENT BASIN DETAILS:**

Sediment Basins are not used at the outfalls for this project. The disturbance activities consist of minor grading associated with the roadway construction. BMP's as shown on the Erosion Control Plans will be adequate to control sediment runoff at these locations. Land disturbance activities associated with constructing and removing a sediment basins at these locations would cause additional adverse impacts. The maximum number of BMP's have been used in all drainage basins.

**USE OF ALTERNATIVE AND/OR ADDITIONAL BMP'S:**

Alternative BMP's are not used on this project. Silt Gates are used on this project as additional BMP's at pipe inlets and are not being used in place of or as a substitute for other conventional BMP's. Temporary check dams are used in ditches to provide interim stabilization and flow velocity reduction. The stability of the site is maintained with other conventional BMP's as shown on the plans. This ESPCP would be fully compliant with permit requirements if the silt gates were removed and as a result are not considered alternative BMP's when used on this project. The silt gates help to prevent pipe clogging during construction that can result from the ingestion of sediments and other large debris like riprap, sand bags, roadway debris and other construction materials that when combined with sediments easily clog roadway drainage pipes. Sediment stored by silt gates is not included in the required minimum sediment storage volume or shown in the sediment storage table.

**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).

**STREAM BUFFER ENCROACHMENT**

Stream Buffers are not impacted by this project.

**MONITORING GENERAL NOTES:**

The total site size is 17.26 acres. Representative sampling may be utilized on this project. 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 new road on fill, new road in cut, road widening, and maintenance/safety. The disturbed area are less than or equal to 1 acre, greater than 1 acre to less than 2 acres, and 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 ESPCP, the Department has determined that representative sampling is valid for the duration of the project. The table below shows the groups of similar outfall drainage basins. The increase in turbidity at the specified locations will be representative of the alternate outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative monitored feature are identified in the table below.

SAMPLING INFORMATION										OUTFALL CHARACTERISTICS					
Primary Monitored Feature	Location (Station and Offset)	Name of Receiving Water	Applicable Construction Stage for Monitoring	Sampling Type (Outfall or Receiving water)	Drainage Area for receiving water (mi <sup>2</sup> )	Total Project Size (acres)	Warm or Cold Water Stream	Appendix B NTU Value (Outfall monitoring only)	Allowable NTU Increase (Receiving water monitoring only)	Location Description	Construction Activity	Disturbed Area (acres)	Average Outfall Slope (Rise/Run)	Soil Erosion Index	Alternate Outfall Drainage Basins
3	68+60.96' Lt	Shoals Creek	All	Outfall	0.0096	17.26	Warm	50		End of Ditch	Widening	1-2 acres	Steep	Low	1,4,5,6,7
2	58+47.44' Lt	Shoals Creek	All	Outfall	0.0096	17.26	Warm	50		End of Ditch	Widening	>2	Steep	Low	N/A

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

**MONITORING SAMPLING METHODS AND PROCEDURES**

See Special Provision 167 and other contract documents for Monitoring Sampling Methods and 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'.

**GEORGIA**  
DEPARTMENT  
OF  
TRANSPORTATION

NTS

REVISION DATES


STATE OF GEORGIA  
DEPARTMENT OF TRANSPORTATION  
OFFICE: DISTRICT 2 DESIGN  
**ESPCP GENERAL NOTES**

DRAWING No.  
**51-002**