

STREAM BUFFER ENCROACHMENT

Stream Buffers ARE Impacted by this project.

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

Name of Stream or Other Water Body Type (From Ecology Report)	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			
Ogeechee River Stream 1	C.R. 191	56+22 LT	57+80 LT	WARM	YES	NO
Ogeechee River Stream 1	C.R. 191	56+27 RT	58+06 RT	WARM	YES	NO
The construction of Bridge Bents number 7 and 8 and the demolition of the existing bridge are the only activities allowed within the buffer.						
Pond 4	C.R. 97	22+15 RT	23+50 RT	WARM	YES	YES

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 wretched vegetation. Cold water streams have a 50-foot buffer as measured from the wretched vegetation.
 **Locations are approximate, a detailed location of stream buffers and authorized work areas are shown on the Individual BMP sheets

SEDIMENT STORAGE

The site has a total disturbed area of 2.03 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.

Location	Disturbed Area (acres)	Required Sediment Storage Volume (ydf)
46+00 to 49+30 LT	0.34	22.78
46+00 to 49+30 RT	0.37	24.79
59+50 to 63+35 LT	0.42	28.14
59+50 to 60+72 RT	0.46	30.82
60+72 to 63+35 RT	0.44	29.48
Total disturbed area for project	2.03	

MONITORING GENERAL NOTES:

The total site size is 5.27 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/stify. 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.

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 ²)	Upstream Disturbed Area (acres)	Warm or Cold Water Stream	Appendix B NTU Value (Outfall monitoring only)	Allowable NTU Increase (Receiving water monitoring only)	OUTFALL CHARACTERISTICS					
										Location Description	Construction Activity	Disturbed Area (acres)	Average Outfall Slope (Rise/Run)	Soil Erosion Index	Alternate Outfall Drainage Basins
1 Up	57+25, 100 ft L	Ogeechee River	All	Receiving Water	1,450	0	Warm	N/A	25	Upstream	Road Widening	N/A	N/A	N/A	N/A
1 Dn	57+50, 150 ft R	Ogeechee River	All	Receiving Water	1,450	2.03	Warm	N/A	25	Downstream	Road Widening	N/A	N/A	N/A	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 overlapping. 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".



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NTS

REVISION DATES	

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: OFFICE OF CONSULTANT DESIGN
ESPCP GENERAL NOTES
 CR 191 @ OGEECHEE RIVER
 BRIDGE REPLACEMENT

DRAWING No.
51-002