

STREAM BUFFER ENCROACHMENT

Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation without first acquiring the necessary variances and permits.

Stream Buffers are not impacted by this project.

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

	Name (name or number of feature)	Location of Buffered Streams and State Waters **			Stream Type (Warm/Cold Water) *	Buffer Impacted (Yes/No)	Buffer Variance Required?
		Alignment	Begin Sta (Lt or Rt)	End Sta (Lt or Rt)			
	Stream * 1	I-285	I203+24, Rt	I203+84, Rt	WARM	NO	NO
	Stream * 1a	I-285	I202+62, Rt	I203+24, Rt	WARM	NO	NO
(Doless Creek)	Stream * 2	I-285	I221+74, Rt	I222+71, Lt	WARM	NO	NO
	Stream * 2a	I-285	within str.* 2 buffer		WARM	NO	NO
	Stream * 2b	I-285	I233+37, Lt	I236+41, Lt	WARM	NO	NO
	Stream * 3	I-285	I265+47, Lt	I274+20, Lt	WARM	NO	NO
	Stream * 3a	I-285	within str.*3 buffer		WARM	NO	NO
(Shoal Creek)	Stream * 3b	I-285	within str.*3 buffer		WARM	NO	NO
	Stream * 4	I-285	I273+44, Rt	I275+54, Lt	WARM	NO	NO
	Stream * 4a	I-285	within str.*4 buffer		WARM	NO	NO

* 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.

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 portland cement concrete delivery 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 travel way, including shoulders, for a wash/pit area. The pit shall be large enough to store all wash-down water without overlapping the pit. 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 shall be graded to match the elevation of the surrounding areas smoothed out. 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 water pit location that includes the following: (1) the pit is located away from a storm drain, stream or river, (2) the pit is accessible to the vehicle being used for wash-down, (3) the pit has enough volume for wash-down water, and (4) make sure you have permission to use the area for wash-down. On some sites, you may not have permission or access to a location which allows for a wash-down pit. In those cases, the Contractor may have to wash-down into a wheelbarrow or other container and carry the container for transport 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".

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. 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 classes 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 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.

SAMPLING INFORMATION										OUTFALL CHARACTERISTICS					
PRIMARY MONITORED FEATURE	LOCATION (STA, OFFSET)	NAME OF RECEIVING WATER	APPLICABLE CONSTRUCTION STAGES	SAMPLING TYPE (OUTFALL OR RECEIVING WATER)	DRAINAGE AREA FOR RECEIVING WATER (SQ MI)	TOTAL PROJECT AREA (AC)	WARM OR COLD WATER STREAM	APPENDIX B NTU VALUE (OUTFALL MONIT. ONLY)	ALLOWABLE NTU INCREASE (FOR RECEIVING WATER)	LOCATION DESCRIPTION	CONSTRUCTION ACTIVITY	DISTURBED AREA (AC)	AVERAGE OUTFALL SLOPE (RISE/RUN)	SOIL EROSION INDEX	ALTERNATE OUTFALL DRAINAGE BASINS
OUTFALL 5	I-285 STA 1223+13, 172' RT.	DOLESS CREEK	1 & 2	OUTFALL	0.021	68.0	WARM	50	N/A	EXISTING DITCH DOWNSTREAM OF EXISTING CULVERT	WIDENING	2.00	0.035	8	* 10
OUTFALL 6	I-285 STA 1265+76, 140' LT.	SHOAL CREEK	1 & 2	OUTFALL	0.056	68.0	WARM	50	N/A	END OF EXISTING CONCRETE ROADWAY DITCH IN STREAM #3a	WIDENING	0.50	0.10	8	* 1 & * 12
OUTFALL 7	I-285 STA 1266+50, 154' RT.	SHOAL CREEK	1 & 2	OUTFALL	0.056	68.0	WARM	50	N/A	EXISTING DITCH AT EXISTING ROW	WIDENING	2.42	0.031	8	* 2, * 3 & * 8
OUTFALL 11	SR 155 STA 24+20, 25' RT.	SHOAL CREEK	1 & 2	OUTFALL	0.056	68.0	WARM	50	N/A	CATCH BASIN 24" OUTFALL PIPE AT STRUCTURE F-14	WIDENING	2.35	0.02	8	* 4, * 9 & * 13
OUTFALL 13	I-285 STA 1217+87, 150' LT.	DOLESS CREEK	1 & 2	OUTFALL	0.021	68.0	WARM	50	N/A	OUTFALL FROM END OF SOUND BARRIER #5 AT EXISTING ROW	WIDENING	5.81	0.02	8	* 4, * 9 & * 11

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GEORGIA
DEPARTMENT
OF
TRANSPORTATION

REVISION DATES

07/25/2014					

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE: ROADWAY DESIGN

ESPC GENERAL NOTES

I-285 AT FLAT SHOALS RD
DEKALB COUNTY

DRAWING No.
51-03