

TEMPORARY SEDIMENT BASIN DETAILS:

Some proposed MS4 ponds will be retrofitted and used as sediment basins. See plan sheets for locations.

39 USE OF ALTERNATIVE AND/OR ADDITIONAL BMPS:

GDOT Detail D-24D Silt Fence Checkdams are used on these plans. Letter from the Chief Engineer and the research report have been submitted.

Discharges into or within one linear mile upstream of and within the same watershed as any portion of a Biota Impaired Stream Segment. Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.

32 33 The following is a summary of project outfalls within 1 mile and within the watershed of an identified 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).

Outfall ID # and Location (Station and Offset)	Reach Name	Location of the Impaired Stream Segment as indicated in the 305b/305d List	Criteria Violated (Bio F or Bio M)	Potential Cause (NP or UR)	Category (4a, 4b, or 5)	Numeric Waste Load Allocation for Sediment*
20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40	Ivy Creek	Headwaters to Suwannee Creek	Bio F	UR	4a	0.13

* If the TMDL Implementation Plan establishes a specific numeric waste load allocation that applies to the project discharge(s) to the Impaired Stream Segment, then the Certified Design Professional must incorporate that allocation into the Erosion, Sedimentation and Pollution Control Plan and implement all necessary measures to meet that allocation.

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 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.

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.

30 32 WATER QUALITY INSPECTING AND SAMPLING PROCEDURES

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

24 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.

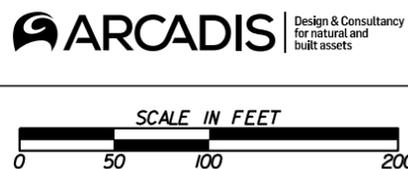
24 Wash-down plans describe procedures that prevent wash-down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down pit that includes the following: (1) a location away from any storm drain, stream, or river, (2) access to the vehicle being 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".

33 34 Note: The Total site area is 407.80 acres.

SAMPLING INFORMATION												Representative Sampling Scheme				
Primary Monitored Feature	Upstream Location (Station and Offset)	Downstream 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)	Outfall Location Description	Construction Activity	Disturbed Area (acres)	Average Outfall Slope (Rise/Run)	Soil Erosion Index	Represented Outfall Drainage Basins
Outfall 1	1139+48.87 136.93' RT	1141+13.35 176.00' LT	Trib. to Mill Creek	Stage 1	Receiving	0.36	0.682	Warm	N/A	25	End of Structure	ROAD WIDENING	0.682	0.001	4	Outfalls 13, 18, 25, 26, 38, 40, 52, 57, 64, and 65
Outfall 2	1156+93.05 163.00' RT	1156+93.00 185.79' LT	Trib. to Mill Creek	Stage 1	Receiving	0.34	3.981	Warm	N/A	25	End of Structure	ROAD WIDENING	3.981	0.001	5	Outfalls 4, 7, 16, 23, 24, 27, 28, 31, 39, 41, 43, 46, 55, 62, 63, and 66
Outfall 3	N/A	1165+65.50 125.00' LT	Trib. to Mill Creek	Stage 1	Outfall	0.002	0.626	Warm	75	N/A	Right of Way Line	ROAD WIDENING	0.626	0.100	5	Outfalls 5, 6, 9, 10, 11, 12, 14, 20, 21, 29, 32, 33, 35, 36, 42, 44, 45, 48, 49, 50, 51, 53, 59, 60, and 61
Outfall 8	1209+10.32 133.30' RT	1208+26.31 181.44' LT	Trib. to Suwanee Creek	Stage 1	Receiving	0.11	3.018	Warm	N/A	25	End of Structure	ROAD WIDENING	3.018	0.033	4	Outfall 17, 34, 37, 47, and 56
Outfall 15	37+47.02 121.97' RT	38+30.73 212.91' LT	Trib. to Suwanee Creek	Stage 1	Receiving	0.007	1.980	Warm	N/A	25	End of Structure	ROAD WIDENING	1.980	0.025	5	Outfall 30, and Outfall 54
Outfall 19	N/A	59+48.59 219.11' LT	Trib. to Suwanee Creek	Stage 1	Outfall	0.026	1.130	Warm	75	N/A	End of Structure	ROAD WIDENING	1.130	0.002	5	Outfall 58

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.



RELEASED FOR CONSTRUCTION 06/22/2016

REVISION DATES	
06/15/2016	
06/20/2016	

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: INNOVATIVE DELIVERY
ESPCP GENERAL NOTES
 PROJECT: I-85 NORTH EXPRESS LANE EXTENSION
 COUNTY: GWINNETT
 DRAWING No. **51-007**