MONITORING GENERAL NOTES:

The total site size is 9.08 acres. Representative sampling may be utilized on this project.

The individual outfall drainage basins along the project corridor have been carefully evaulated and compared on the basis of four characterstics: 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 and sedimentation and pollution plans, the Department has determined that repesentative 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 in the table below will be representative of the alternate outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative monitored features are identified in the table below.

SAMPLING INFORMATION											OUTFALL CHARACTERISTICS				
Primary Monitored Feature	Location (Sta. and Side)	Name of Receiving water	Applicable construction stage for monitoring	Sampling Type (Outfall or Receiving Water)	Drainage Area for the receiving water	Upstream Disturbed Area	Warm or Cold water Stream	Appendix B NTU value (outfall Monitoring Only)	Allowable NTU Increase (For Receiving Water)	Location Description	Construction Activity	Disturbed Area	Average Outfall Slope (rise/run)	Soil Erosion Index	Alternate Outfall Drainage Basins
1	STA 112+34 /90' RT	WALTON BRANCH	ALL STAGES	OUTFALL	2.81 SQ MI	2.25 AC	WARM	75		End of Ditch	BRIDGE CONSTRUCTION	2.25 AC	4.17%	6.4	N/A
4	STA 112+45 /76' RT	WALTON BRANCH	ALL STAGES	OUTFALL	2.81 SQ MI	1.75 AC	WARM	75		End of Ditch	BRIDGE CONSTRUCTION	1.75 AC	0.18%	6.4	2,3

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 the active phase of construction.

MONITORING SAMPLING METHODS & PROCEDURES

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

SEQUENCE OF MAJOR ACTIVITIES

The Contractor is responsible for developing the construction schedule for the project. The construction schedule for this project shall be submitted after the project is awarded with the NOI. A copy of the construction schedule shall be maintained at the project site.

The project budget includes sufficient funds for the payment of construction exits. The Contractor is responsible for establishing at least one (1) construction exit per the specifications of the construction exit detail included in this ESPCP. To facilitate project logistics, the Contractor is also responsible for selecting the location(s) of the construction exit(s).

Phase 1 - Clearing and Grubbing Operations
a - The contractor shall install silt fence, type C at the base of all fill slopes and along stream buffer perimeters prior to land disturbing activities. In areas where silt fence is not feasible such as parking lots etc. baled straw shall be used.
b.- Orange Barrier fence shall be installed as per the Environmental Commitments Sheet.
c. - Construction exits shall be installed prior to equipment entering the roadway.
d. - All disturbed areas shall be mulched in accordance with GDOT Standard Specifications and the Erosion Conrtol Plan.

Phase 2 - Grading Operations - Drainage Installation
a. - Construct Temporary Detour, Temporary 60" Drain Pipes, and Install Erosion Control Mats on 2:1 Slopes.
b. - Installing Pipes: Ensure that additional BMP's are installed as per the erosion control plans prior to extending or replacing existing pipes.
c. - Grading Ditches and Slopes: As ditches are graded, install silt fence check dams in accordance with the Erosion Control Plans. Mulch all slopes as per GDOT specifications and the Erosion Control Plans. Install all required Erosion Control Mats once slopes are constructed to finished grade. Mulch and seed grass in accordance with the GDOT Standard Specifications.

Phase 3 - Paving Operations
a. - Construct all Roadway and Bridge Items of SR 232. Once the pavement has been constructed to the proposed width ,
b. - Remove Temporary Detour and Temporary 60" Drain Pipes, and then temporary and permanent vegetative practices shall be implemented in order to prevent silt from leaving the site in accordance with notes found in the ESPCP General Notes.

Phase 4 - Removal of Temporary Items
a. - All temporary erosion control items shall be removed once acceptable ground cover has been established.

POST-CONSTRUCTION BMP'S

All permanent, post-construction BMP's are shown in the construction plans and in the ESPCP plan. The post-construction BMP's for this project may consist of vegetation, permanent slope drains and/or flumes, rip-rap at pipe outlets for velocity dissipation and outlet stabilization, vegetated swales/ditches where practical, channels/ditch stabilization with Turf Reinforcing Mats, and rip-rap where necessary. The post-construction BMP's will provide permanent stabilization of the site and prevent accelerated transportation of sediment and pollutants into receiving waters.

6/20/2011 GPLN

GEORGIA
DEPARTMENT OF TRANSPORTATION

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 2 TENNILLE

ESPCP GENERAL NOTES

DRAWING No. 51-004