

REVISED NOVEMBER 9, 2012
 ESPCP GENERAL NOTES:

The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to, or concurrent with, land-disturbing activities.

Erosion and sedimentation control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective control, additional erosion and sedimentation control measures shall be implemented to control or treat the sediment source.

PLAN ALTERATIONS

This Erosion, Sedimentation, and Pollution Control Plan (ESPCP) is provided by the Department. It addresses the staged construction of the project on the basis of common construction methods and techniques. If the Contractor elects to alter the staged construction from that shown in the plans or utilize construction techniques that render this plan ineffective, the Contractor shall revise the plans in accordance to Special Provision 161 of the contract.

The Contractor, the Certified Design Professional, and the WECS shall carefully evaluate this plan prior to commencing land-disturbing activities. A major modification or deletion of structural BMP's with a hydraulic component requires a formal revision of the ESPCP and the signature of a GSWCC level-II-certified design professional. Additional BMP's may be added per Special Provision 161 - Control of Soil Erosion and Sedimentation.

TEMPORARY MULCHING

EPD General Permit GAR 100002 states that "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding." However, the Department typically requires disturbed areas to be stabilized every 7 days. The construction documents, special provisions, or specifications may require mulching more often than 7 days.

VEGETATION AND PLANTING SCHEDULE

All temporary and permanent vegetative practices including plant species, planting dates, seeding, fertilizing, liming, and mulching for this project can be found in section 700 of the current edition of the Department's Standard Specifications (or special provisions) and other applicable contract documents, or landscaping plans.

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).

Initial: Install perimeter and sediment storage BMPs prior to clearing and leveling.
After demolition of existing bridge and existing roadway mulch and grass any exposed areas of earth.
Intermediate: Install any additional BMPs as noted in intermediate stage plans. Maintain mulch and grassing over exposed areas of earth during construction.
Final: Install additional BMPs as noted in final plans. As directed by engineer, restore any ground cover disturbed by bridge or road construction in kind such as asphalt, concrete or aggregate surface course over exposed area of earth. Use permanent grassing as necessary.

Construction Schedule	1-3	3-6	6-33	33-36
Install Temporary Erosion Control Measures	█	█		
Maintenance of Temporary Erosion Control Measures	█	█	█	
Perform Construction Activities			█	█
Establish Permanent Vegetation				█
Remove Temporary Erosion Control Structures				█

SOIL SERIES INFORMATION

A project-specific soil survey and geotechnical investigation was performed for this project and can be made available upon request. Soil characteristics have been given full consideration in the hydrologic analysis, the design of channels and linings, selection of temporary BMP's, design of energy dissipaters, and the in the selection of permanent vegetation and fertilizers.

NRCS soil information is not available for this project site.

POST-CONSTRUCTION BMP'S FOR STORMWATER MANAGEMENT

All permanent, post-construction BMP's are shown or noted in the construction plans and in the ESPCP plan. The post-construction BMP's for this project may consist of aggregate surface course, concrete paving, asphalt paving or permanent grassing. The post-construction BMP's will provide permanent stabilization of the site and prevent accelerated transportation of sediment and pollutants into receiving waters.

SILT FENCE INSTALLATIONS WITH J HOOKS AND SPURS

Silt fence should never be run continuously. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique is called using J hooks (or spurs). The J hooks shall be utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J hooks shall be placed in accordance with GDOT Construction Detail D-24C. The maximum J hook spacing is reached when the top of the J hook is at the same elevation as the bottom of the immediately upgradient J hook. J Hooks shall be paid for as silt fence items per linear foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

SITE STABILIZATION AND BMP MAINTENANCE MEASURES

See the Department's Standard Specifications (or Special Provisions) 161, 163, 165, 700, 710, and other contract documents for stabilization and maintenance measures.

WASTE DISPOSAL

Where attainable, locate waste collection areas, dumpsters, trash cans and portable toilets at least 50 feet away from streets, gutters, watercourses and storm drains. Secondary containment shall be provided around liquid waste collection areas to minimize the likelihood of contaminated discharges. The Contractor shall comply with applicable state and local waste storage and disposal regulations and obtain all necessary permits. Solid materials, including building materials, shall not be discharged to Waters of the State, unless authorized by a Section 404 Permit.

INSPECTIONS

By agreement with Georgia EPD, the design professional who prepared the ESPCP, or a certified designee, is to inspect the installation of the initial sediment storage requirements and perimeter control BMP's within 7 days of installation. Additionally, the Department's Construction Project Engineer will be responsible for seven-day inspections for all new BMP installations.

All other inspections shall be documented on the appropriate Department Inspection forms. See Standard Specification (or Special Provision) 167 and other contract documents for inspection requirements. These inspections shall continue until the Notice of Termination (NOT) is submitted.

Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deductions as specified in the contract documents.

NONSTORMWATER DISCHARGES

Non-storm water discharges defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced. These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, the Manual for Erosion and Sediment Control in Georgia, Department Standards, and other contract documents.

DE-WATERING AND PUMPING ACTIVITIES

Any pumped discharge from an excavation or disturbed area shall be routed through an appropriately sized sediment basin, silt filter bag, or shall be treated equivalently with suitable BMP's. The contractor shall ensure the post BMP treated discharge is sheet flowing. Failure to create sheet flow will obligate the contractor to perform water quality sampling of pumped discharges. The contractor shall prepare sampling plans in accordance with the current GARI00002 NPDES permit by utilizing a Certified Design Professional. No separate payment will be made for water quality sampling of pump discharges.

OTHER CONTROLS

The Contractor shall follow this ESPCP and ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations. The Contractor shall control dust from the site in accordance with Section 161 of the current edition of the Department's Standard Specifications.

RETENTION OF RECORDS

In accordance with Part IV.F of the General Permit GARI00002, the Department will retain all records related to the implementation of this ESPCP for the duration of the project.

SEDIMENT STORAGE

The site has a total disturbed area of 1.58 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	Total Drainage area (acres)	Area Diverted (acres)	Total Area Required for Sediment Storage (acres)	Disturbed area (acres)	Required Sediment Storage Volume (yd3)	Total Storage volume provided (yd3)	Sediment Basins		Check Dams		Inlet Sediment Traps (8 yd3 / each)		Sediment Barrier / Silt Fence (0.3 yd3 / ft)	
							Pond *	Total Volume (yd3)	* of Devices	Total Volume	* of Devices	Total Volume	Ft	Total Volume
1	1.80	-	1.80	1.07	120.6	874.7	-	-	-	-	25	200	2249	674.7
2	0.54	0.50	0.04	0.02	2.7	109.7	-	-	-	-	1	8	339	101.7
6	0.10	-	0.10	0.10	6.7	61.2	-	-	-	-	-	-	204	61.2
7	0.11	-	0.11	0.11	7.4	61.2	-	-	-	-	-	-	204	61.2
8	1.01	-	1.01	0.00	N/A	-	-	-	-	-	-	-	-	-
9	0.29	0.15	0.14	0.11	9.4	74.1	-	-	-	-	-	-	247	74.1
10	0.19	-	0.19	0.00	N/A	-	-	-	-	-	-	-	-	-
11	0.22	-	0.22	0.00	N/A	-	-	-	-	-	-	-	-	-
12	0.33	0.19	0.14	0.11	9.4	85.2	-	-	-	-	3	24	204	61.2
13	0.32	-	0.32	0.06	21.4	361.6	-	-	-	-	5	40	1072	321.6

In order to prevent runoff from bypassing inlet sediment traps, a temporary sump shall be installed around all inlet sediment traps that are not located in a low point or an excavated sump. Construct temporary sumps in accordance with Construction Detail D - 24C. Temporary sumps shall be installed in a manner that ensures stormwater does not bypass the inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

TEMPORARY SEDIMENT BASINS DETAILS

Outfalls 1-8: Sediment Basins are not used at these locations. Land disturbance activities associated with constructing and removing sediment basins at these locations would cause additional adverse impacts based on existing physical constraints.

USE OF ALTERNATIVE AND/OR ADDITIONAL BMP'S:

No alternative or additional BMP's will be used on this project.

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).

REVISION DATES

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: PROGRAM DELIVERY

ESPC GENERAL NOTES

SPRING STREET
 VIADUCT OVER CSXT

DRAWING No.
 51-001



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