

Updated: October 13, 2013

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 with 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 along with the NOI. A copy of the construction schedule shall be maintained at the project site.

A total of two construction exits will be installed at the beginning and end of project. 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).

Orange Barrier Fence shall be installed prior to clearing and grubbing activities and prior to the installation of any BMPs.

STAGE 1
 This work includes clearing and grubbing of the project area and the installation of Initial BMPs.

INITIAL BMP INSTALLATION
 1. Concurrent with clearing and grubbing activities, install all perimeter controls. Perimeter BMPs include TYPE C Silt Fence placed outside of the final construction limits. Two rows of Type C Silt Fence is required in all areas designated ESAs.
 2. Apply Temporary Grassing and Mulch as necessary to disturbed areas.
 3. Construction Exits shall be installed prior to clearing and grubbing activities.

STAGE 2
 This work includes the removal of the existing CR 252/FRANK RD Bridge over Willacoochee River Overflow. This work also includes the construction of CR 252/FRANK RD from Sta. 20+00 to STA 26+50, and the proposed CR 252/FRANK RD Bridge over Willacoochee River Overflow.

INTERMEDIATE BMP INSTALLATION
 1. Maintain all Perimeter BMPs.
 2. Maintain Construction Exits as shown on plans.
 3. Mulch and plant Temporary Grass as required by the special provisions.
 4. Install Check Dams as shown on plans.
 5. Install Downdrain Structures as shown on plans.
 6. Install J-Hooks on fill slopes as embankments are being constructed.
 7. Install additional Type C Silt Fence around proposed end rolls.

STAGE 3
 This work includes establishing the final grade and permanent grassing of the project area.

FINAL BMP INSTALLATION
 1. As soon as Final Grade has been established, install Permanent Grassing for the length of the project and Rip Rap at End Rolls.

PETROLEUM STORAGE, SPILLS, AND LEAKS

These plans expressly delegate the responsibility of on-site hazardous material management to the Contractor. The Contractor shall at a minimum provide an action plan and keep the necessary materials on site for the capture, clean up, and disposal of any petroleum product, or other hazardous material, leaks or spills associated with the servicing, refueling or operation of any equipment utilized at the site. A copy of the action plan shall be submitted to the Project Engineer and maintained on the project site. All personnel operating or servicing equipment shall be familiar with the action plan. The Contractor shall not park, refuel, or maintain equipment within stream buffers.

If the Contractor elects to store petroleum products on site, the Contractor shall prepare an ESPCP addendum that addresses the additional BMPs needed for on-site storage and spill prevention for petroleum products. This plan shall be prepared by a Certified Design Professional as required by GARI00002 for inclusion with these plans. The Contractor's attention is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements.

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 in the selection of permanent vegetation and fertilizers.

The following is a summary of the soil that is expected to be found on the project site:
 Obs - Osler-Bibb complex

POST-CONSTRUCTION BMP'S FOR STORMWATER MANAGEMENT

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 consist of Permanent Vegetation, Permanent Slope Drains, Rip Rap at End Rolls for Stabilization, and where necessary, the post-construction BMP's will provide permanent stabilization of the site and prevent abnormal 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 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 spaced in accordance with GDOT Construction Detail D-24C. The maximum J-hooks 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

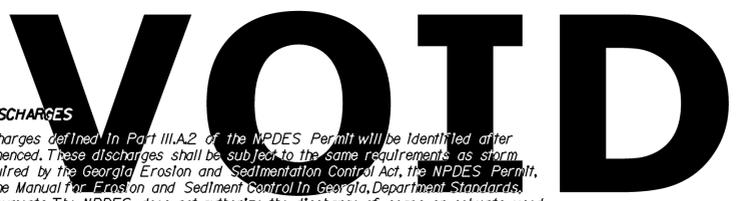
Where attainable, locate waste collection areas, dumpsters, trash cans and portable toilets at least 50 feet away from streets, gutters, water courses and storm drains. Secondary containment shall be provided around liquid waste collection areas to minimize the likelihood of contaminated discharges. 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

The primary permittee (GDOT) must retain the design professional who prepared the ESPCP, or an alternative design professional approved by EPD in writing, to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within seven (7) days of installation over the entire infrastructure project. Alternatively, for linear infrastructure projects, the permittee must retain either of these personnel to inspect the initial sediment storage requirements and perimeter control BMPs for the initial segment, as defined by Part IV.A.5, of the current GARI00002 Permit, within seven (7) days of installation and all sediment basins within the entire linear infrastructure project seven (7) days of installation. The inspecting design professional shall report the results to the primary permittee within seven (7) days, and the permittee must correct all deficiencies within two (2) business days of receipt of the inspection report, unless on-site weather conditions are such that more time is required. Additionally, the Department's Construction Project Engineer will be responsible for all subsequent 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. The NPDES does not authorize the discharge of soaps or solvents used in vehicle and equipment washing or the discharge of wastewater from washout and cleanout of containers for stucco, paint, concrete-form release oils, curing compounds and other construction materials.

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 all applicable State and/or local regulations for waste disposal, sanitary sewer or septic system, and petroleum storage.

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

The Department will retain all records related to the implementation of this ESPCP in accordance with Part IV.F of the General Permit GARI00002.

SEDIMENT STORAGE

The site has a total disturbed area of 1,727 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)	Disturbed Area (acres)	Required Sediment Storage Volume (yd ³)	Total Storage Volume Provided (yd ³)	Sediment Basins		Check Dam (* yd ³ /each)		Inlet Sediment Traps (* yd ³ /each)		Silt Fence (0.3 yd ³ /ft)	
					Pond*	Total Volume (yd ³)	* of Devices	Total Volume (yd ³)	* of Devices	Total Volume (yd ³)	Length of Fence (ft)	Total Volume (yd ³)
Outfall 1	0.22	0.17	14.74	145.90	N/A	N/A	3	58.20	N/A	N/A	150.00	45.00
Total Sheet Flow	2.01	1.55	134.67	440.10	N/A	N/A	N/A	N/A	N/A	N/A	1467.00	440.10

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.

The Disturbance Activities consist of Clearing and Grubbing, Removal of Existing Pavement Structure, Removal of Fill, Placement of Fill, and Grading. BMP's as shown on the ESPCP will be adequate to control sediment runoff at this location. Land disturbance activities associated with constructing and removing a sediment basin at this location would cause adverse impacts.

USE OF ALTERNATIVE AND/OR ADDITIONAL BMP'S:
 No alternate 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).

STREAM BUFFER ENCROACHMENT
 Stream Buffers, as defined by O.C.G.A. 12-7-1, are not impacted by this project.

11/5/2009 GPLN		<p>GEORGIA DEPARTMENT OF TRANSPORTATION</p>	<p>REVISION DATES</p> <table border="1" style="width:100%; height: 40px;"> <tr><td> </td><td> </td></tr> </table>													<p>STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: TIFTON OFFICE/DISTRICT 4 ESPC GENERAL NOTES CR 252/FRANK RD</p>	<p>DRAWING No. 51-001</p>