REVISED FEBRUARY 2014

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 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 erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source.

PLAN ALTERATIONS

The 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 stage 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 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 where construction activities have temporarily or permanently ceased shall be stabilized within 14 days of such cessation as soon as practicable with a suitable material listed in Standard Specification (or Special Provision) Sections 163, 700, or 711. However, in special cases, the Project Engineer may require the contractor to perform stabilization more often than 14 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.

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 locations of the construction exits.

INITIAL PHASE

1. Prior to clearing and grubbing activities, install all perimeter controls.
2. Apply temporary grassing and mulch as necessary to disturbed areas.
3. Install initial phase BMP's as shown in plans.

STAGE 1

This work includes control of sediment of project area and installation of intermediate BMP's.

1. Prior to mass haul operations, and all excavation activities, install intermediate BMP's as needed; including but not limited to ditch checks, silt gates, slope mats, and riprap to control sediment.
2. Apply temporary grassing and mulch as necessary to disturbed areas.

STAGE 2

This work includes control of sediment of project area and installation of permanent BMP's.

1. Prior to mass haul operations, and all excavation activities, install ditch checks, silt gates, slope mats, and riprap as needed to control sediment.
2. Apply temporary grassing and mulch as necessary to disturbed areas.
3. Install and Construct permenent BMP's as shown in Stage 2.

FINAL PHASE

1. Remove all intermediate BMP's and perimeter controls.
2. Apply Permanet grassing and mulch as necessary to disturbed areas.
3. Install Final phase BMP's as shown in plans.

PETROLEUM STORAGE, SPILLS AND LEAKS

These plans expressly delegate the responsibility of proper 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 BMP's needed for onsite storage and spill prevention for petroleum products. This plan shall be prepared by a Certified Design Professional as required by GAR100002 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 soils that are expected to be found on the project site:

DeKalb County, Georgia (GA089)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AwE	Ashlar-Wedowee complex, 10 to 25 percent slopes	1.5	0.8%
Ca	Cartecay silt loam, frequently flooded	5.5	2.8%
CeB	Cecil sandy loam, 2 to 6 percent slopes	1.2	0.6%
CuC	Cecil-Urban land complex, 2 to 10 percent slopes	6.7	3.4%
GeB	Gwinnett sandy loam, 2 to 6 percent slopes	3.3	1.7%
GeC	Gwinnett sandy loam, 6 to 10 percent slopes	1.3	0.7%
GeD	Gwinnett sandy loam, 10 to 15 percent slopes	0.4	0.2%
GwC2	Gwinnett sandy clay loam, 2 to 10 percent slopes, eroded	3.9	2.0%
MdB	Madison sandy loam, 2 to 6 percent slopes	0.1	0.0%
MdC	Madison sandy loam, 6 to 10 percent slopes	1.8	0.9%
MdD	Madison sandy loam, 10 to 15 percent slopes	2.2	1.1%
MdE	Madison sandy loam, 15 to 30 percent slopes	1.8	0.9%
MfE2	Madison sandy loam, 15 to 25 percent slopes, eroded	0.4	0.2%
PfC	Pacolet sandy loam, 2 to 10 percent slopes	18.9	9.6%
PfD	Pacolet sandy loam, 10 to 15 percent slopes	5.5	2.8%
PgC2	Pacolet sandy clay loam, 2 to 10 percent slopes, eroded	7.6	3.8%
Tf	Toccoa sandy loam, frequently flooded	1.8	0.9%
To	Toccoa sandy loam, high	2.9	1.5%
Ud	Urban land	129.6	65.7%
Wf	Wehadkee silt loam, frequently flooded	0.9	0.5%
Total Areas of Interest		197.2	100.0%

Due to the size and scope of this project and the nature of soil series maps, it is not reasonably practical to delineate the precise locations of the above listed soils on the construction plans. The NRCS soil survey and soil series maps for the project site are also available online at: http://websoilsurvey.nrcs.usda.gov/.

POSTCONSTRUCTION BMP'S FOR STORMWATER MANAGEMENT

All permanent, postconstruction BMP's are shown in the construction plans and in the ESPCP plan. The postconstruction BMP's for this project may consist of vegetation, rip-rap at pipe outlets fo velocity dissipation and outlet stabilization, vegetated swales/ditches where practical, channel/ditch stabilization with Turf Reinforcing Mats, rip-rap, and concrete ditch lining 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.