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 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 based on 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 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 contractor 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 fertilizer,lime and mulching rates for this project can be found in section 700 of the current edition of the Department's specifications and other applicable contract documents,special provisions,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 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).

Stage 1 - Initial Phase

Clearing and Grubbing and Initial BMP Installation:

a. Orange Barrier Fence shall be installed as per the erosion control plans prior to land disturbing activities.
b. Concurrent with Clearing and Grubbing activities,install silt fence,Type C along the perimeter of the project at the base of all fill slopes and along state waters prior to land disturbing activities. In areas where silt fence is not feasible baled straw can be used.
c. Install construction exits prior to equipment entering the roadway.
d. Apply temporary grassing and mulch as necessary to disturbed areas,stabilizing areas as soon as practical.

Stage 1 - Intermediate Phase

Grading Operations and Drainage Installation:

a. Maintain the previous BMP installations along the perimeter of the project and along state waters.
b. Install inlet sediment traps as shown in the erosion control plans as drainage structures are being constructed or reconstructed.
c. Ensure that additional BMP's are installed as per the erosion control plans prior to replacing existing pipes. Install cross drain pipes with flared end sections and inlet/outlet headwalls as shown in the erosion control plans and modify silt fence to protect the new ends of the pipes.
d. Install silt fence at the base of all fill slopes prior to land disturbing activities.Grade shoulders and slopes to finished grade,Install temporary pipe slope drains to drain proposed pavement area until pavement structure is complete
e. Mulch and grass all disturbed areas as specified in the GDOT Standard Specifications and ESPCP General Notes.

Paving Operations:

a. Once the sidewalk,curb/gutter and new pavement structure is constructed to the proposed width and finished grade,temporary vegetative practices shall be implemented in order to prevent silt from leaving the site in accordance with the GDOT Standard Specifications and ESPCP General Notes.

Stage 1 Final Phase

Final BMP Installation and Removal of Temporary Items:

a. Install erosion control mats,permanent grassing and rip rap at outfalls.
b. Remove all temporary erosion control items once acceptable ground cover has been established.

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 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 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 in the construction plans and in the ESPCP plan. The post-construction BMP's for this project may consist of permanent detention ponds,filter basins,vegetation,permanent slope drains and/or flumes,rip-rap at pipe outlets for velocity dissipation and outlet stabilization,vegetated swales/ditches where practical,channel/ditch and slope 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.

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,or configuration,is commonly referred to as 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 Construction Detail D-24C. The maximum spacing of J hooks is reached when the top of the adjacent downgradient J hook is at the same elevation as the bottom of the adjacent upgradient J hook. J hooks shall be paid for as silt fence items per foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

MAINTENANCE AND STABILIZATION MEASURES

See Special Provision 161 and 700 and other contract documents for maintenance and stabilization 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

All inspections shall be documented on the appropriate Department inspection forms. See 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.

By agreement with Georgia EPD,the Department's Construction Project Engineer will be responsible for the seven day inspections required for new BMP installations.

NON-STORM WATER 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 contract documents.

DE-WATERING ACTIVITIES AND USE OF PUMPS

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 GAR100002 NPDES permit utilizing by 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 Specifications.

RETENTION OF RECORDS

The Department will retain records in accordance with Part IV.F of the General Permit GAR 100002.

GEORGIA
DEPARTMENT OF TRANSPORTATION

REVISION DATES		
6-4-12		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 2 - DESIGN

ESPC GENERAL NOTES

CSSTP-0006-00(944)
GREENE CO.

DRAWING No. 51-001

3/1/2007 GPLN