Updated: January 10,2012

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 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 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 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.

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

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 for selecting the location(s) of the construction exit(s).

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

INITIAL BMP INSTALLATION
1.Concurrent with clearing and grubbing activities,install all permeter controls. Perimeter BMPs include type C Silt Fence placed outside of the final construction limits.Two rows of type C is required in all areas designated ESA's.
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 226/Burke Road roadbed,the full-depth construction of CR 226/Burke Road,and the bridge construction over Fishpond Drain.

INTERMEDIATE BMP INSTALLATION
1.Maintain all Perimeter BMP's and Construction Exits.
2.Mulch and plant temporary grass as required by the special provisions.
3.Install Inlet Sediment Traps,around structures as shown on plans. Maintain a sump around filter rings shown for Sd2-F until final grade has been established.
4.Construct and Maintain Temporary Berm on fill slopes and provide positive drainage to Slope Drain as embankments are being constructed.

SEQUENCE OF MAJOR ACTIVITIES (CONTINUED)

STAGE 2 (CONTINUED)

5.Install Downdrains as shown on plans.
6.Install J-Hooks on fill slopes as embankments are being constructed.
7. Install additional Silt Fence,Type C,around proposed End Rolls.

FINAL BMP INSTALLATION
1.As soon as final grade has been established,Install Slope Blankets,Rip Rap at end rolls,and Permanent Grassing.

PETROLEUM STORAGE,SPILLS AND LEAKS

The 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.

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 consist of Permanent Vegetation,Permanent Slope Drains,Rip Rap at End Rolls for Stabilization,and Channel/Ditch Stabilization with Turf Reinforcing Mats.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,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.

SITE STABILIZATION AND BMP MAINTENANCE MEASURES

See the Department's Standard Specifications (or Special Provision) 161,163,165,700,710,and and 700 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

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 their 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.

GEORGIA
DEPARTMENT OF TRANSPORTATION

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 4
ESPC GENERAL NOTES
CR 226 / BURKE RD
@ FISHPOND DRAIN
DRAWING No. 51-001

3/1/2007 GPLN