

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	BHSLB-0656-00(002)	136	169
REVISION DATES			

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 selection of permanent vegetation and fertilizers.

The following is a summary of the soils that are expected to be found on the project site within Upson County (NRCS soil information is not available for Talbot County; Web Address <http://websoilsurvey.nrcs.usda>, Access Date-08/25/2011):

EROSION HAZARD (ROAD, TRAIL) - SUMMARY BY MAP UNIT - TALBOT AND UPSON COUNTIES, GEORGIA						
MAP UNIT SYMBOL	MAP UNIT NAME	RATING	COMPONENT NAME (PERCENT)	RATING REASONS (NUMERIC VALUES)	ACRES IN AOI	PERCENT OF AOI
Bfs	Buncombe loamy sand	Slight	Buncombe (100%)	N/A	1.5	4.90%
DgB	Davidson loam	Slight	Davidson (100%)	N/A	2.7	8.80%
W	Water	N/A	Water (100%)	N/A	1.2	3.90%
Wed	Wehadkee soils	Slight	Wehadkee (100%)	N/A	7.5	24.40%
SUBTOTALS FOR UPSON COUNTY					12.9	42.00%
TOTALS FOR AREA OF INTEREST					30.7	100.00%

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

POST-CONSTRUCTION BMP'S FOR STORMWATER MANAGEMENT

All permanent, post-construction BMPs are shown in the construction plans and in the ESPCP plan. The post-construction BMPs for this project include grassing, rock filter dams, grass filter strips with earth berms, rip-rap at pipe outlets for velocity dissipation and outlet stabilization, grass channel/ditch stabilization. The post-construction BMPs shall provide permanent stabilization of the site and prevent accelerated transportation of sediment and pollutants into receiving waters. Sediment shall not be washed into inlet. It shall be removed from the sediment traps and disposed of and stabilized so that it will not enter the inlets again. All disturbed areas left mulched after thirty days shall be stabilized with permanent grassing.

The contractor shall maintain erosion control measures until permanent ground cover has been stabilized as shown on plans.

All roadway and parking shoulders should be grassed as soon as final grade is achieved behind curbs.

Sediment and erosion control measures should be checked after each rain event. Each device is to be maintained or replaced if sediment accumulation has reached one half the capacity of the device. Additional devices must be installed if new channels have developed.

Erosion control measures must 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 as directed by the onsite inspector or the design professional.

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 GARI00002 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.



STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF PROGRAM DELIVERY

C.R. 172-POBIDDY ROAD OVER FLINT RIVER
EROSION CONTROL PLANS
BMP GENERAL NOTES

DRAWING NO.
51-02