DATETIME$$$	TIME$$$	GDOTRoad	p:\02\02358\003\dgn\006782egnl.dgn	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
david.jackson		ROAD_HALF.TBL		JACKSON	TSAPO-S006-00(782)	97	121

PROJECT AREA = 9.48 AC.
DISTURBED AREA = 6.69 AC.

REVISED AUGUST 2008

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.

TEMPORARY MULCHING

EPD General Permit GAR 100002 requires "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding." - The Department typically requires disturbed areas to be stabilized every 7 days. The construction documents, special provisions, or Specification 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 initial BMP's of this project will be preimeter fencing around the project limits.
The intermediate BMP's shall consist of silt fence, inlet sediment traps, check dams, silt gates, erosion control mats for slopes greater than 2:1, temporary grassing, and mulching. the final BMP's shall be permanent grassing, stone dumped rip rap for outlet protection.

PLAN ALTERATIONS

The Erosion Sedimentation and Pollution Control Plan (ESPCP) is provided by the Department. If the Contractor elects to alter the stage construction from that shown in the plans, and the Engineer approves the request, it will be the responsibility of the contractor to revise the ESPCP to reflect all changes in stage construction. This will also include any revision to the erosion and sedimentation control item quantities. A single copy of the amended plan shall be submitted to the apporopriate EPD District Office

Major modification or deletion of structural BMP's that are specified in the ESPCP will require a formal revision of the ESPCP and the signature of a GSWCC level-II-certified design professional. Additional BMP's may be added as directed by the Engineer.

PETROLEUM STORAGE, SPILLS AND LEAKS

The plans provided herein do not anticipate the storage of petroleum products onsite. The contractor shall at a minimum provide and be able to produce the necessary provisions for the capture and disposal of any petroleum product leaks or spills associated with the servicing, refueling or operation of any equipment utilized in the work.

If the storage of petroleum products onsite is desired by the contractor the following is required;

ESPCP Addendum prepared by a licensed 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 Design of Channels and Linings, Selection of Temporary BMP's, Design of Energy Dissipaters, and the in the Selection of Permanent Vegetation Fertilizers. The NRCS soil survey and soil series maps for the project area are available on the Internet at: http://websoilsurvey.nrcs.usda.gov/app .

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 may consist of permanent vegetation, permanent slope drains and/or flumes, rip-rap at pipe outlets for velocity dissipation and outlet stabilization, vegetated swales/ditches where practical, channels/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.

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 Typical Location Details for silt fences/baled straw. Spacing for J-Hooks shall not be less than 50 feet except as noted. Silt fences that are near the outlet of culverts, cross drains, and strorm drains shall have a minimum of three (3) J-Hooks on both sides of the structure at spacing not to exceed 30 feet. J-Hooks shall be paid for as silt fense 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. 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 deducations as specified in the contract documents.

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 a sediment basin, silt filter bag or shall be treated equivalently with suitable BMP's.

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.

SEDIMENT STORAGE

Outfall I.D.	Total Drainage Area (acres)	Disturbed Area (acres)	Required Sediment Storage Volume (Cu.Yd)	Total Storage Volume Provided (Cu.Yd)	Check Dam		Inlet sediment traps		Silt Fence J-Hooks	
					* of Devices	Total Volume	* of Devices	Total Volume	* of Devices	Total Volume
A1	65.97	4.16	278.7	382	2	4	22	196	30	182
B1	47.57	0.62	41.5	95	--	--	13	95	--	--
C1	5.60	0.34	22.8	30	--	--	3	30	--	--

In order to prevent runoff from bypassing inlet sediment traps, a temporary berm shall be . Installed on the downstream side of all inlet sediment traps that are not located in a low point or an excavated sump. Temporary berms, when necessary, shall be a minimum of 18" high and constructed in a manner that ensures stormwater does not pass the inlet. the contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

RECORDS RETENTION

The Department will retain records in accordance with Part IV.F of General Permit GARI00002.

DISCHARGES INTO OR WITHIN ONE MILE OF UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTON OF A BIOTA IMPAIRED STREAM SEGMENT

All outfalls are either located further than 1 mile from a 305b/303d listed stream or are outside of the watershed of a 305b/303d listed stream. .

Outfall Location(s)	Basin Name	HUC10	Reach Name	Location of the impaired stream segemtn as indicated in the 305b/303d list	Criteria Violated (Blo F or Blo M)	Potential Cause (NP or UR)
N/A	N/A	N/A	N/A	N/A	N/A	N/A

List the additional BMPs from part III c 2 used for this watershed (a minimum of 4 are required) and if part III C 1 is applicable discuss how the waste load allocation for sediment is addressed.

STREAM BUFFER ENCROACHMENT

Stream Buffers are not impacted by this project.
The contractor is not authorized to enter into stream buffers, except as described in the table below:

Name (name or number of feature)	Location of Buffered Streams and State Waters **			Stream Type (Warm/Cold Water) *	Buffer Impacted (Yes/No)	Buffer Variance Required?
	Alignment	Begin Sta (Lt or RT)	Ending Sta (Lt or Rt)			
UNAMED TRIBUTARY	SR 124	30+13.16 (LT)	31+78.10 (RT)	WARM	NO	NO

* Warm water streams have a 25-foot minimum buffer as measured from the wrested vegetation. Cold Water streams have a 50-foot buffer as measured from the wrested vegetation.
** Locations are approximate, a detailed location of stream buffers and authorized work areas are shown on the individual BMP sheets.

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL — DATE 2-25-10

JORDAN JONES & GOULDING

REVISION DATES

TOWN OF BRASELTON

OFFICE:

BMP GENERAL NOTES

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 51-01