

INSPECTIONS

All inspections shall be documented on the appropriate Department Inspection forms. See Standard Specifications (or 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 PUMPING ACTIVITIES

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 BMPs. 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 by 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 Standard Specifications.

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPs

No alternative or additional BMPs will be used on this project.

Approved alternative BMPs will be used on this project. They are the following:

Alternative BMPs are not used on this project. Silt Gates are used on this project as additional BMPs at pipe inlets and are not being used in place of or as a substitute for other conventional BMPs. Temporary check dams are used in ditches to provide interim stabilization and flow velocity reduction. The stability of the site is maintained with other conventional BMPs as shown on the plans. This ESPCP would be fully compliant with permit requirements if the silt gates were removed and as a result are not considered alternative BMPs when used on this project. The silt gates help to prevent pipe clogging during construction that can result from the indigestion of sediments and other large debris like rip rap, sand bags, roadway debris and other construction materials that when combined with sediments easily clog roadway drainage pipes. Sediment stored by silt gates is not included in the required minimum sediment storage volume or shown in the sediment storage table.

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 is called using 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 placed in accordance with GDOT Construction Detail D-24C. The maximum J hook spacing is reached when the top of the J hook is at the same elevation as the bottom of the J hook immediately upgradient. J hooks shall be paid for as silt fence items per linear foot. All cost and other incidental items are included in the cost of installing and maintaining the silt fence.

SEDIMENT STORAGE

The site has a total disturbed area of 17.27 acres.

The following table summarizes the required and available sediment storage for every outfall on this project. The Contractor shall provide and maintain the storage volumes for the BMP's specified in this table.

OUTFALL ID	TOTAL DRAINAGE AREA (ACRES)	DISTURBED AREA (ACRES)	REQUIRED SEDIMENT STORAGE VOLUME (CU. YD.)	TOTAL STORAGE VOLUME PROVIDED (CU. YD.)	INLET SEDIMENT TRAPS (* CU YDS EACH)		CHECK DAMS (* CU YDS/EACH)		SILT FENCE (0.16 CU YDS/FT)	
					* OF DEVICES	TOTAL VOLUMES CU. YDS.	* OF DEVICES	TOTAL VOLUMES CU. YDS.	LENGTH OF APPLICABLE SILT FENCE (LF)	TOTAL VOLUMES CU. YDS.
AREA A	2.43	2.38	162.81	178.63	—	—	18	178.63	—	—
AREA B	0.59	0.47	39.53	15.46	—	—	6	15.46	—	—
AREA C	0.99	0.50	66.33	98.72	—	—	2	63.03	213.10	35.69
AREA D-CI	4.72	2.47	316.24	206.66	—	—	11	144.77	369.49	61.89
AREA E-DI	1.07	0.76	71.69	79.73	—	—	10	79.73	—	—
AREA F	0.91	0.71	60.97	82.07	—	—	4	25.86	335.61	56.21
AREA G	0.38	0.26	25.46	25.46	—	—	1	25.46	—	—
AREA H	1.68	1.35	112.56	73.85	—	—	14	73.85	—	—
AREA I	1.37	1.35	91.79	105.55	—	—	5	105.55	—	—
AREA J	0.82	0.82	54.94	28.11	—	—	4	28.11	—	—
AREA K-CI	1.17	0.36	78.39	18.14	—	—	—	—	108.31	18.14
AREA L	0.36	0.21	24.12	94.43	—	—	5	94.43	—	—
SHEETFLOW	3.41	3.41	228.47	232.79	—	—	—	—	1389.81	232.79
BRIDGE 1	—	—	—	110.09	—	—	—	—	657.28	110.09
BRIDGE 2	—	—	—	43.13	—	—	—	—	257.51	43.13
OLD ROAD	2.22	2.22	148.74	1031.18	—	—	—	—	6156.30	1031.18
TOTAL	24.49	17.27	1482.04	2424.00	—	—	80	834.88	9487.41	1589.12

In order to prevent runoff from bypassing inlet sediment traps, a temporary sump shall be installed around all inlet sediment traps that are not located in a low point or an excavated sump. Construct temporary sumps in accordance with Construction Detail D-24C. Temporary sumps shall be installed in a manner that ensures stormwater does not bypass the inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

Additional sediment storage in basins that don't provide the required sediment storage via sediment basins were not added as they would have caused significant additional disturbed area due to topographic variations. Erosion will be limited as a majority of the slopes are being matted.

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

All outfalls are either located further than 1 linear mile upstream or outside of the watershed of an impaired stream segment that has been listed for criteria violated, "Bio F" (impaired fish community) and/or "Bio M" (impaired macro invertebrate community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

 <p>listen. think. deliver.</p>	 <p>GRESHAM SMITH AND PARTNERS</p>	<p>REVISION DATES</p> <table border="1"> <tr><td> </td><td> </td><td> </td></tr> </table>																			<p>STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION</p>
<p>OFFICE: PROGRAM DELIVERY</p> <p>ESPC GENERAL NOTES</p> <p>STATE ROUTE 225 PROJECT: BHFO0-0151-01(006) COUNTY: GORDON</p>			<p>DRAWING No. 51-002</p>																		