

VOID

SEDIMENT STORAGE

The site has a total disturbed area of 35 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)	Sediment Basins		Check Dam		Inlet sediment Traps		Rock Filter Dam		Filter Ring		Silt Fence		Comments
					Pond *	Total Volume	* of Devices	Total Volume (cu yd)	* of Devices	Total Volume (cu yd)	* of Devices	Total Volume (cu yd)	* of Devices	Total Volume (cu yd)	Length of Fence (ft)	Total Volume (cu yd)	
1	9.29	3.07	622.43	84	N/A	N/A	0	0	42	84	0	0	0	0	N/A	N/A	DISTURBED AREA IS 3 ACRES. LAND DISTURBANCE TAKES PLACE ACROSS 2 STAGES, LIMITING THE DISTURBED AREA. CONSTRUCTING SEDIMENT BASIN IS IMPRACTICAL AT THIS OUTFALL DUE TO THE REQUIRED LAND DISTURBANCE AND IMPACTS TO DRIVEWAYS AND PROPERTIES IN THIS URBAN ENVIRONMENT. BMPS ARE SPACED BASED ON TOPOGRAPHY TO PROVIDE STORAGE; IMMEDIATE STABILIZATION MEASURES WILL BE USED UNDER CONSTRUCTION.
2	1.93	1.93	129.31	38	N/A	N/A	0	0	19	38	0	0	0	0	N/A	N/A	DISTURBED AREA IS LESS THAN 2 ACRES. LAND DISTURBANCE TAKES PLACE ACROSS 3 STAGES, LIMITING THE DISTURBED AREA. CONSTRUCTING SEDIMENT BASIN IS IMPRACTICAL AT THIS OUTFALL DUE TO THE REQUIRED LAND DISTURBANCE AND IMPACTS TO DRIVEWAYS AND PROPERTIES IN THIS URBAN ENVIRONMENT. BMPS ARE SPACED BASED ON TOPOGRAPHY TO PROVIDE STORAGE; IMMEDIATE STABILIZATION MEASURES WILL BE USED UNDER CONSTRUCTION.
3	22.57	19.37	1512.19	2319	N/A	N/A	29	2051	9	18	1	184	6	66	N/A	N/A	REQUIRED SEDIMENT STORAGE IS PROVIDED AT THIS OUTFALL.
4	2.11	1.30	141.37	34	N/A	N/A	8	12	0	0	0	0	2	22	N/A	N/A	DISTURBED AREA IS LESS THAN 2 ACRES. CONSTRUCTING SEDIMENT BASIN IS IMPRACTICAL AT THIS OUTFALL DUE TO THE REQUIRED LAND DISTURBANCE. BMPS ARE SPACED BASED ON TOPOGRAPHY TO PROVIDE STORAGE; IMMEDIATE STABILIZATION MEASURES WILL BE USED UNDER CONSTRUCTION TO LIMIT DISTURBANCE.
5	5.18	3.79	347.06	13	N/A	N/A	0	0	1	2	0	0	1	11	N/A	N/A	DISTURBED AREA IS LESS THAN 4 ACRES. CONSTRUCTING SEDIMENT BASIN IS IMPRACTICAL AT THIS OUTFALL DUE TO THE REQUIRED LAND DISTURBANCE. BMPS ARE SPACED BASED ON TOPOGRAPHY TO PROVIDE STORAGE; IMMEDIATE STABILIZATION MEASURES WILL BE USED UNDER CONSTRUCTION TO LIMIT DISTURBANCE.
Sheet Flow	5.90	5.90	395.30	673	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	673	REQUIRED SEDIMENT STORAGE IS PROVIDED AT SHEET FLOW LOCATIONS.

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.

STREAM BUFFER ENCROACHMENT

Stream Buffers are not impacted by this project. Stream Buffers located within the project limits, right of way and easements of the project are summarized in the table below. The Contractor is not authorized to enter into stream buffer areas except as described in the table below and where "YES" is indicated in the "Buffer Impacted?" column. Where impacts are allowed in Stream Buffers the Contractor's activities are limited to clearing and grubbing, installation of BMPs, grading and construction as specified in the plans. Additional constraints may be specified in the table below for individual buffer areas that further restrict the Contractor's allowable activities within the impacted buffer area. Orange Barrier Fence shall be placed around all Stream Buffers within the project right of way and easement where impacts are not authorized as specified in the Stream Buffer Encroachment Table and/or as shown in the Plans. The Contractor is advised to consult with the Department's Engineer and the Environmental Compliance Bureau prior to initiating any authorized work within Stream Buffers.

Name	Location of Buffered Streams and State Waters **			Stream Type (Warm/Cold Water) *	Buffer Impacted?	Buffer Variance Required?	Construction Activity Comments
	Alignment	Begin Station	End Station				
STREAM 2	LIBERTY EXPRESSWAY	672+65 LT	673+71 LT	WARM	NO	NO	THE CONTRACTOR MAY NOT ENTER STREAM BUFFER.

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPS:

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 ingestion of sediments and other large debris like riprap, 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.

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).

* Warm water streams have a 25-foot minimum buffer as measured from the wooded vegetation. Cold Water streams have a 50-foot buffer as measured from the wooded vegetation.

** Locations are approximate, a detailed location of stream buffers and authorized work areas are shown on the Individual BMP sheets.

GEORGIA
DEPARTMENT
OF
TRANSPORTATION

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROADWAY DESIGN
ESPC GENERAL NOTES
N. JEFFERSON ST. @ LIBERTY EXPRESSWAY
DOUGHERTY COUNTY

DRAWING No.
51-02