STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	BHSLB-0656-00(002)	137	169

REVISION DATES
09/06/12

SEDIMENT STORAGE

The site has a total disturbed area of 16.36 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 BMPs specified in this table.

Location	Total Drainage Area (acres)	Disturbed Area (acres)	Required Sediment Storage Volume (CY)	Total Storage Volume Provided (CY)	Sediment Basins		Check Dam		Inlet Sediment Traps (*CY/each)		Silt Fence (0.28 CY/FT)	
					Pond *	Total Volume (CY)	# of Devices	Total Volume (CY)	# of Devices	Total Volume (CY)	Length of Fence (FT)	Total Volume (CY)
Outfall A	1.18	0.21	79.06	5.23[xx]	N/A	N/A	2	5.23	N/A	N/A	N/A	N/A
Outfall B1	1.01	1.01	67.67	12.54[xx]	N/A	N/A	8	12.54	N/A	N/A	N/A	N/A
Outfall B2	3.49	2.29	233.83	119.70[x]	N/A	N/A	3	119.70	N/A	N/A	N/A	N/A
Outfall C	3.95	3.57	264.65	63.82[xx]	N/A	N/A	34	63.82	N/A	N/A	N/A	N/A
Outfall D	25.37	3.27	1699.79	551.78[xx]	N/A	N/A	12	550.01	1	1.77	N/A	N/A
Total Sheet Flow	8.77	6.01	587.68	589.45	N/A	N/A	N/A	N/A	1	1.77	2106	587.68

+ Silt Retention Barriers shall be maintained to prevent sediment moving out of the construction area.
* Sediment shall be frequently removed from the rock filter dams & Inlet Sediment Traps to ensure that sufficient storage is always available in the construction area.
xx The contractor shall cover area by erosion control mats or anionic polyacrylamide (PAM) as indicated in the plans immediately after areas are disturbed.

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.

TEMPORARY SEDIMENT BASIN DETAILS

The total disturbed acreage within the project limit is 16.36 Acres. The disturbance activities consist of embankment filling, clearing and grading. BMP's as shown on the erosion control plans will be adequate to control sediment runoff at every outfall on this project. Land disturbance activities associated with construction and removing a sediment basin at these locations would cause adverse impacts. Therefore, Sediment Basins are not used in this project.

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).

The following is a summary of project outfalls within 1 mile and within the watershed of an identified 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 runnoff).

Outfall ID & Location (Station & Offset)	Reach Name	Location Of The Impaired Stream Segments As Indicated In The 305b / 303d List	Criteria Violated (Bio F Or Bio M)	Potential Cause (NP or UR)	Category (4a, 4b or 5)	Numeric Waste Load Allocation For Sediment*
ALL	Flint River	Not Listed	N/A	N/A	N/A	N/A

* If the TMDL Implementation Plan establishes a specific numeric waste load allocation that applies to the project discharge(s) to the Impaired Stream Segment, then the Certified Design Control Plan and Implement all necessary measures to meet that allocation.

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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. 51-03