

**SEDIMENT STORAGE**  
 The site has a total disturbed area of 5.81 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.

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.

*Stage I INITIAL*

Outfall ID	Location	Total Drainage Area (acres)	Disturbed Area (acres)	Required Sediment Storage Volume (yd <sup>3</sup> )	Total Storage Volume Provided (yd <sup>3</sup> )	Sediment Basins		Check Dam (# yd <sup>3</sup> /each)		Inlet sediment (# yd <sup>3</sup> /each)		Silt Fence (0.3 yd <sup>3</sup> /ft)		Comments
						Pond #	Total Volume (yd <sup>3</sup> )	# of Devices	Total Volume (yd <sup>3</sup> )	# of Devices	Total Volume (yd <sup>3</sup> )	Length of Fence (ft)	Total Volume (yd <sup>3</sup> )	
O-1	107+00 RT	1.73	0.07	115.91	336.00	N/A	0.00	N/A	0.00	N/A	0.00	1120	336.00	*Required sediment storage volume provided through adequate BMP's in lieu of sediment basins.
O-2	462+93 RT	3.78	0.51	253.26	32.40	N/A	0.00	N/A	0.00	N/A	0.00	108	32.40	*Disturbed area is less than 1 acre, constructing a sediment basin at this outfall is impractical.
O-3	477+84 RT	3.59	0.53	240.53	278.70	N/A	0.00	N/A	0.00	N/A	0.00	929	278.70	*Required sediment storage volume provided through adequate BMP's in lieu of sediment basins.
O-4	511+75 RT	0.97	0.08	64.99	60.90	N/A	0.00	N/A	0.00	N/A	0.00	203	60.90	*Required sediment storage volume provided through adequate BMP's in lieu of sediment basins.
O-5	487+72 LT	0.64	0.07	42.88	51.60	N/A	0.00	N/A	0.00	N/A	0.00	172	51.60	*Required sediment storage volume provided through adequate BMP's in lieu of sediment basins.
O-6	490+60 LT	3.32	0.14	222.44	130.50	N/A	0.00	N/A	0.00	N/A	0.00	435	130.50	*Disturbed area is less than 1 acre, constructing a sediment basin at this outfall is impractical.
O-7	501+41 LT	6.11	0.76	409.37	89.26	N/A	0.00	N/A	0.00	N/A	0.00	298	89.26	*Disturbed area is less than 1 acre, constructing a sediment basin at this outfall is impractical.
O-8	630+54 LT	8.72	0.28	584.24	65.70	N/A	0.00	N/A	0.00	N/A	0.00	219	65.70	*Disturbed area is less than 1 acre, constructing a sediment basin at this outfall is impractical.
O-9	639+25 LT	3.73	0.84	249.91	145.20	N/A	0.00	N/A	0.00	0	0.00	484	145.20	*Disturbed area is less than 1 acre, constructing a sediment basin at this outfall is impractical.
O-10	890+25 RT	1.04	0.12	69.68	75.90	N/A	0.00	N/A	0.00	0	0.00	253	75.90	*Required sediment storage volume provided through adequate BMP's in lieu of sediment basins.
O-11	896+00 RT	1.51	0.27	101.17	30.90	N/A	0.00	N/A	0.00	0	0.00	103	30.90	*Disturbed area is less than 1 acre, constructing a sediment basin at this outfall is impractical.

**Sheet Flow Leaving Site:**

Barrier #	Station Range	Side	Disturbed Area (AC)
1	107+00 to 113+00	RT	0.07
2	487+65 to 511+75	RT	0.95
3A	494+60 to 501+50	LT	0.25
4A	624+00 to 625+00	LT	0.05
4A	630+54 to 639+25	LT	0.35
5	876+15 to 892+00	RT	0.48

\*For this project, not all required total sediment storage volumes can be provided. See the detailed comparison between required sediment storage volume and actual sediment storage volume in this table. The outfalls are being protected by ditch checks, inlet sediment traps, and silt fence in lieu of sediment basins that are not feasible because a minimally designed sediment basin would disturb more area than protect at particular outfalls.

**GEORGIA**  
 DEPARTMENT  
 OF  
 TRANSPORTATION

REVISION DATES

03-13-13	
04-16-13	

STATE OF GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
 OFFICE: ROADWAY DESIGN  
**ESPCP GENERAL NOTES**

I-85 NOISE BARRIERS

DRAWING No.  
**51-04**