SEDIMENT STORAGE

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.

STAGE 1A

Structure ID #/STATION	Total Drainage area (acres)	Disturbed area (acres)	Required Sediment Storage Volume (yd³)	Total Storage volume provided (yd³)	Sediment Basins		Check Dams		Inlet sediment Traps		TP A Silt Fence		TP C Silt Fence		Stone Filter Berm	
					Pond #	Total Volume	# of Devices	Total Volume	# of Devices	Total Volume	LIN FT	Total Volume	LIN FT	Total Volume	LIN FT	Total Volume
1226+93, SR 316 RT	0.377	0.049	25.26	28.44					1	28.44						
1226+96, SR 316 LT	0.558	0.371	37.39	40.11					1	40.11						
1230+96, SR 316 LT	0.414	0.240	27.74	28.44					1	28.44						
1230+96, SR 316 RT	0.320	0.071	21.44	21.78					1	21.78						
1234+00, SR 316 MED	0.589	0.589	39.46	41.67					1	41.67						
1238+00, SR 316 MED	0.316	0.316	21.17	21.78					1	21.78						
1243+00, SR 316 MED	0.458	0.458	30.69	32.11					1	32.11						
1243+00, SR 316 LT	4.744	3.598	317.85	343.57			27	81.49					1989	262.08		
1243+00, SR 316 RT	9.121	3.389	611.11	652.95			15	58.62					1808	594.33		
1243+00, SR 316 LT	2.867	2.346	192.09	229.00									1334	229.00		
1243+00, SR 316 RT	3.476	1.898	232.89	346.24			14	38.57					1576	307.67		
1245+00, SR 316 MED	1.217	1.217	81.54	95.04			5	77.04	1	18.00						
1251+00, SR 316 LT	0.905	0.600	60.64	60.96			11	60.96								
1251+00, SR 316 RT	0.704	0.326	47.17	94.00									376	94.00		
1252+00, SR 316 RT	10.264	9.738	687.69	744.86			29	33.18	1	18.00			2423	605.75		
1252+00, SR 316 MED	0.731	0.731	48.98	49.00					1	49.00						
1255+00, SR 316 LT	0.890	0.890	59.63	64.00					1	64.00						
1255+50, SR 316 LT	3.614	3.614	242.14	396.48			1	1.14			1186	395.33				
1256+00, SR 316 MED	0.419	0.419	28.07	29.39					1	29.39						
1259+00, SR 316 MED	0.589	0.589	39.46	40.11					1	40.11						
1263+30, SR 316 MED	1.083	1.083	72.56	75.11					1	75.11						
1266+38, SR 316 RT	0.520	0.520	34.84	140.29							481	140.29				
1268+00, SR 316 LT	1.278	1.278	85.63	194.11			3	9.11			888	185.00				
1276+32, SR 316 MED	0.527	0.527	35.31	36.00					1	36.00						
1277+50, SR316 LT	5.386	5.386	360.86	486.09							627	52.25	1086	433.84		
1281+45, SR 316 LT	1.511	1.511	101.24	181.25							407	101.75	477	79.50		
1281+97, SR 316 RT	1.272	1.272	85.22	226.61			2	10.36			831	216.25				
1281+97, SR 316 RT	2.222	1.744	148.87	300.09			1	5.18			1072	294.91				
1281+97, SR 316 RT	1.119	0.850	74.97	82.25									658	82.25		
1283+32, SR 316 MED	2.222	2.222	148.87	151.73			11	133.73	1	18.00						
1286+16, SR 316 LT	2.473	2.215	165.69	344.90			4	10.32			516	129.00	812	205.58		
1287+00, SR 316 RT	1.607	1.460	107.67	287.09									831	287.09		
1289+49, SR 316 MED	0.637	0.637	42.68	44.44					1	44.44						
1289+00, SR 316 RT	0.326	0.236	21.84	115.42							277	115.42				
1289+92, SR 316 RT	3.532	2.218	236.64	481.97			8	30.30			571	237.92	513	213.75		
1290+53, SR 316 LT	2.841	2.841	190.35	476.42							628	261.67	589	214.75		
1294+15, SR 316 RT	4.566	3.254	305.92	530.39			5	33.73			563	234.58	629	262.08		
1294+50, SR 316 MED	0.681	0.681	45.63	49.00					1	49.00						
1297+10, SR 316 LT	4.690	4.690	314.23	769.93			18	103.68			1599	666.25				
1299+46, SR 316 RT	3.723	3.723	249.44	330.92							821	269.58	368	61.33		
1299+50, SR 316 MED	0.535	0.535	35.85	36.00					1	36.00						
1309+00, SR316 MED	0.645	0.645	43.22	44.44					1	44.44						
1314+00, SR 316 MED	0.666	0.666	44.62	49.00					1	49.00						
1315+10, SR 316 LT	11.202	10.237	750.53	998.28			22	86.53					3715	911.75		
1317+50, SR 316 RT	8.104	8.104	542.97	1299.11			34	202.45			1970	1096.66				
1319+00, SR 316 MED	0.651	0.651	43.62	44.44					1	44.44						
1324+00, SR 316 MED	0.659	0.659	44.15	44.44					1	44.44						
1324+43, SR 316 RT	0.315	0.315	21.11	22.22					1	22.22						
1324+55, SR 316 RT	0.641	0.641	42.95	172.29			5	28.54			345	143.75				
1325+32, SR 316 RT	0.167	0.167	11.19	12.50					1	12.50						
1329+00, SR 316 MED	0.665	0.665	44.56	49.00					1	49.00						
1331+00, SR 316 LT	4.753	3.614	318.45	656.08			8	48.83					2912	607.25		
1334+00, SR 316 MED	1.258	0.641	84.29	87.11					1	87.11						
1334+00, SR 316 RT	3.285	2.237	220.10	647.26			9	76.34			1683	570.92				
1335+74, SR 316 RT	0.266	0.255	17.82	44.50							178	44.50				
1337+38, SR 316 RT	0.745	0.745	49.92	168.75							675	168.75				
1339+00, SR 316 MED	0.484	0.108	32.43	36.00					1	36.00						
65+31, COLLINS HILL RD RT	0.191	0.191	12.80	92.92							223	92.92				
62+31, COLLINS HILL RD LT	0.133	0.133	8.88	84.17							202	84.17				
67+50, COLLINS HILL RD RT	0.209	0.209	14.03	83.33							200	83.33				
81+81, COLLINS HILL RD LT	4.722	4.722	316.37	405.99			15	51.60			2126	354.33				
85+00, COLLINS HILL RD LT	0.421	0.348	28.21	134.17									322	134.17		
89+24, COLLINS HILL RD RT	0.218	0.218	14.61	117.92									283	117.92		
91+38, COLLINS HILL RD LT	1.200	0.451	80.40	253.38									905	253.38		
92+68, COLLINS HILL RD RT	0.171	0.171	11.46	42.13									337	42.13		

STAGE 1A CONT.

Structure ID #/STATION	Total Drainage area (acres)	Disturbed area (acres)	Required Sediment Storage Volume (yd³)	Total Storage volume provided (yd³)	Sediment Basins		Check Dams		Inlet sediment Traps		TP A Silt Fence		TP C Silt Fence		Stone Filter Berm	
					Pond #	Total Volume	# of Devices	Total Volume	# of Devices	Total Volume	LIN FT	Total Volume	LIN FT	Total Volume	LIN FT	Total Volume
93+50, COLLINS HILL RD LT	1.621	1.008	108.61	194.90									858	194.90		
22+73, LENDON CONN RT	5.851	3.455	392.02	776.98									1230	512.50	353	261.48
22+75, LENDON CONN LT	4.932	3.080	330.44	376.16									709	295.42	109	80.74
22+85, LENDON CONN LT	3.170	0.534	212.39	220.65							169	70.42	245	102.08	65	48.15
23+75, LENDON CONN RT	6.620	4.195	443.54	446.94			6	23.70					1530	382.50	55	40.74
24+69, LENDON CONN LT	0.328	0.328	21.98	34.67									416	34.67		
26+25, LENDON CONN LT	4.020	1.958	269.34	323.25									1293	323.25		
12+54, COLLINS IND WAY RT	0.835	0.835	55.95	106.13							283	106.13				
319+57, PARK ACC DR LT	1.437	0.925	96.28	186.48									820	186.48		
326+90, PARK ACC DR LT	1.252	0.808	83.88	131.94									850	131.94		
327+28, PARK ACC DR LT	0.383	0.383	25.66	113.33									272	113.33		
405+00, LIGHTNING ACC DR LT	2.265	2.265	151.76	253.33									608	253.33		
412+00, LIGHTNING ACC DR LT	1.233	0.462	82.61	137.08							211	87.91	118	49.17		
3326+00, HOSEA RD RT	0.600	0.477	40.20	170.08									463	170.08		
79+82, SR 20 RT	0.107	0.090	7.17	57.08							137	57.08				
79+82, SR 20 LT	0.157	0.157	10.52	89.58							215	89.58				
83+13, SR 20 LT	0.569	0.467	38.12	104.17							250	104.17				
84+08, SR 20 LT	0.155	0.155	10.39	36.25							87	36.25				
85+30, SR 20 LT	0.075	0.075	5.03	5.56					1	5.56						
85+74, SR 20 RT	1.644	1.224	110.15	190.05			12	87.30			411	102.75				
86+93, SR 20 RT	0.406	0.225	27.20	47.08									113	47.08		
87+37, SR 20 RT	4.365	3.044	292.46	964.17									2314	964.17		
94+00, SR 20 LT	1.534	1.534	102.78	225.00							540	225.00				
94+71, SR 20 LT	0.106	0.106	7.10	111.67							268	111.67				
99+73, SR 20 RT	0.487	0.487	32.63	57.50							138	57.50				
100+96, SR 20 LT	0.339	0.339	22.71	268.33							644	268.33				
101+71, SR 20 LT	0.067	0.067	4.49	36.67							88	36.67				
103+00, SR 20 RT	0.469	0.427	31.42	100.75									403	100.75		
103+00, SR 20 RT	0.621	0.621	41.61	272.08									653	272.08		
59+80, REYNOLDS EXT LT	0.166	0.166	11.12	46.75							187	46.75				
59+68, REYNOLDS EXT RT	1.633	0.918	109.41	258.33							620	258.33				
66+40, REYNOLDS EXT LT	0.623	0.354	41.74	62.67							188	62.67				
70+00, REYNOLDS EXT LT	1.199	0.046	80.33	82.41							356	82.41				
70+00, REYNOLDS EXT LT	0.543	0.543	36.38	124.11							693	124.11				
2312+00, RAMP YS RT	2.907	2.907	194.77	316.25									759	316.25		
2316+00, RAMP YS RT	0.474	0.474	31.76	162.92									391	162.92		

The disturbed area in Stage 1A = 142.26 AC

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 bypass the inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

See sheet 51-08 for sediment basin exclusion rationale.

PBSJ

GEORGIA REGISTERED No. 30086 PROFESSIONAL ENGINEER MICHAEL R. MOSELEY, JR. 5/10/2011
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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY

ESPC GENERAL NOTES

SR 316

DRAWING No. 51-05