

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.

See the Drainage Area Maps and Watershed Map for outfall location and information.

Outfall ID	Non-Bypassed Drainage Area (Acres)	Disturbed Area (Acres)	Required Sediment Storage Volume (CY)	Total Storage Volume Provided (CY)	Rock Filter Dam (0.33 CY Each)		Check Dam (0.24 CY Each)		Curb and Gutter Inlet Sediment Traps (0.20 CY Each)		Perimeter Silt Fence			
					# of Devices	Total Volume Available	# of Devices	Total Volume Available	# of Devices	Total Volume Available	LF @ 6:1 (0.17 CY per LF)	LF @ 4:1 (0.16 CY per LF)	LF @ 2:1 (0.14 CY per LF)	LF flat or no slope (0.08 CY)
SR 3/US 41														
A	2,527	1,150	169	178.4	0	0	10	2	880	254	176.36			
M	0.367	0.350	25	60.0	0	0	2	0.4	111	299	59.62			
N	0.340	0.326	23	55.8	0	0	2	0.4	346		55.36			
O	0.363	0.363	24	38.8	0	0	1	0.2		276	38.64			
ELIZABETH ST														
B	13,274	11,815	889	917.3	0	28	6.72	60	12	446	3,346	1,096		764.62
CR 4455/CANTON RD														
D	0.648	0.621	43	44.1	0	0	3	0.6	167	120	43.52			
E	4,224	1,385	283	218.8	0	0	16	3.2	681	762	215.64			
F	1.961	1.140	131	181.1	0	1	0.24	5	1	524	425	163		179.9

Outfall A

A Sediment Basin is not provided at this outfall. This system outfall into an existing system and there are no opportunities to construct a sediment basin. Required sediment storage can be provided with BMPs.

Outfall M

A Sediment Basin is not provided at this outfall. This is a very small system and required sediment storage can be provided with BMPs.

Outfall N

A Sediment Basin is not provided at this outfall. This is a very small system and required sediment storage can be provided with BMPs.

Outfall O

A Sediment Basin is not provided at this outfall. This is a very small system and required sediment storage can be provided with BMPs.

Outfall B

A Sediment Basin is not provided at this outfall. A stream is located just downstream from the proposed outlet making it not feasible for sediment basin construction. Traffic sequencing requires that Industrial drive be constructed during the the earlier stage of construction therefore the existing low area along Relocated Industrial drive is not feasible to sediment basin construction. It was also attempted to construct a sediment basin at the in-field area between US 41 and Relocated Ind parkway but the required sediment basin size could not be constructed at this location due outfall elevation restriction. This project involves lowering the elevation along US 41 creating deep strom pipes that are not feasible to outfall to a sediment basin constructed in the in-field area.

Outfall D

A Sediment Basin is not provided at this outfall. This system outfall is located within the railroad right way at a close proximity with active railroad. Sediment storage are provided with BMPs.

Outfall E

A Sediment Basin is not provided at this outfall. Area that would be feasible for sediment storage is occupied by transmission poles. Required sediment storage could not be provided for outfall ID E. This outlet drains an area that is primarily a curb and gutter section

Outfall F

A Sediment Basin is not provided at this outfall. The outfall is located in an existing ditch between Canton Road and railroad. A sediment basin would not fix in this area. Required sediment storage is provided with BMPs.

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.

MONITORING GENERAL NOTES:

Representative sampling may be utilized on this project. The characteristics of the individual watersheds along the project corridor have been carefully evaluated and compared on the basis of drainage characteristics, watershed size, land disturbance and earth work. After evaluation of these items as presented in the projects drainage area maps, hydrology and hydraulic studies, construction plans and erosion sedimentation and pollution control plans, it has been determined that the increase in turbidity at the specified locations will be representative of the increase in turbidity for all waters leaving the site. Approved primary and alternate representative monitoring sites are identified in the table:

Monitoring Site	Primary or Alternate Site	Location (Road Name)	Location (Sta. and Side)	Name of Receiving Water	Applicable construction stage for monitoring	Sampling Type (Outfall or Receiving Water)	Drainage Area, Sq. Mi. (For the Receiving Water)	Site Area (Ac)	Warm or Cold water Stream	Appendix B NTU value (Outfall Monitoring Only)	Allowable NTU Increase (For Receiving Water)	Location Description
1	Alternate	CR 4455/ CANTON RD	27-23, RT	Tributary to Noonday Creek	2A	Outfall	0.01	30.23	Warm	50	N/A	SES, Structure * F-6
2	Alternate	SR 3/ US 41	9-64, LT	Sape Creek	6	Outfall	0.01	30.23	Warm	50	N/A	Manhole, Structure * A-1
3	Primary	RELOCATED IND PARK DR	310-62, RT	Sape Creek	1,2A,2B,4,5,6	Outfall	0.01	30.23	Warm	50	N/A	FES, Structure * B1-B

(According to the EPD, additional monitoring sites may be required depending on significant changes in typical sections)

The primary site specified should be used as the initial sampling location. The alternate sampling sites may be used if additional sampling is required and/or if the primary sampling site is no longer located within the active phase of construction.

MONITORING SAMPLING METHODS & PROCEDURES

See Special Provision 167 and other contract documents for Monitoring Sampling Methods and Procedures.

Warm Water (Supporting Warm Water Fisheries)

Surface Water Drainage Area, square miles

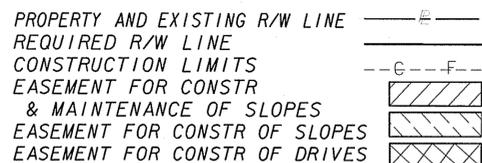
	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	75	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
25.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.01+	50	50	50	50	50	100	200	100

STREAM BUFFER ENCROACHMENT

Stream Buffers ARE NOT impacted by this project. The contractor is not authorized to enter into stream buffers.

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

There are no 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 runoff).



BEGIN LIMIT OF ACCESS.....BLA
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 REQ'D R/W & LIMIT OF ACCESS



REVISION DATES

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION

BMP GENERAL NOTES

CANTON ROAD AND RR
 BRIDGE OVER SR 3/US 41

DRAWING No.
51-03