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STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GEORGIA	STP00-0161-01(016)	170	222

STREAM AND OPEN-WATER BUFFER ENCROACHMENTS
Stream Buffers,as defined by O.C.G.A.12-7-1,(are/are not) impacted by this project.
(If no stream buffers occur within the project limits,the remainder of this section may be omitted,including the table below.)
The Contractor is not authorized to enter into stream buffers,except as described in the table below:

Name (name or number of feature)	Location of Buffered Streams and State Waters **			Stream Type (Warm/Cold Water)*	Buffer Impacted (Yes/No)	Buffer Variance Required?
	Alignment	Begin Sta (Lt or RT)	Ending Sta (Lt or Rt)			
	SR 83				Yes	No
ESA RESOURCE 1		661+50	670+00	Warm	Yes	
GREER CEMETERY		650+50	651+15	Warm	No	
WETLAND 1		631+50	637+50	Warm	Yes	
WETLAND 1A		609+64	609+97	Warm	Yes	
INTERM STREAM 1B		635+50	636+55	Warm	Yes	
IS TO BUFFER		635+60	636+22	Warm	Yes	
WETLAND 1C		608+00	610+00	Warm	Yes	
WETLAND 1d		625+50	626+50	Warm	Yes	
STREAM 2		635+89	635+95	Warm	Yes	
STREAM 2 BUFFER		635+90	635+90	Warm	Yes	
WETLAND 2A		658+00	659+00	Warm	Yes	
INTERM STREAM 2B		609+75	606+75	Warm	Yes	
IS TO BUFFER		609+75	606+75	Warm	Yes	
WETLAND 2C		670+00	672+70	Warm	Yes	
WETLAND 3		100+49	105+58	Warm	Yes	

Construction activities shall consist of construction of additional of 12 ft. passing lane, the extention of cross drain pipes and the placement of erosion control items. Inaccordance with the GDOT Standard Specifications, current addition.

Unless noted otherwise, utility companies will be submitting the required permits/variances in conjunction with the impacts caused by their activities. If utility impacts are covered by the Department's stream buffer variance, this shall be noted in the buffer-variance-required column.

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

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

DITCH PROTECTION

LOCATION		SIDE	TYPE DITCH	WIDTH (FT)	DEPTH OF PROTECTION (FT)	ITEM • 717-0200 TRM-2 (SY)	ITEM • 717-0400 TRM-4 (SY)	ITEM • 603-7000 PLASTIC FILTER FABRIC (SY)	ITEM • 603-2181 RIP-RAP TYPE III 18 IN (SY)
SITE 4									
611+50	622+00	LT	NORMAL	4	1.0	1166			
612+00	624+00	RT	NORMAL	4	1.0	1333			
629+50	631+50	LT	NORMAL	4	1.0	222			
627+00	634+00	RT	NORMAL	4	1.0	777			
644+20	654+50	LT	NORMAL	4	1.0	1114			
646+00	653+50	RT	NORMAL	4	1.0	833			
661+00	669+00	LT	NORMAL	4	1.0	888			
661+00	665+00	RT	NORMAL	4	1.0	444			
671+50	673+00	LT	NORMAL	4	1.0	167			
671+50	673+00	RT	NORMAL	4	1.0	167			
SITE 2									
106+50	108+00	LT	NORMAL	4	1.0			250	250
105+50	108+50	RT	NORMAL	4	1.0			500	500
123+05	141+80	RT	NORMAL	4	1.0		208		
133+00	141+00	LT	NORMAL	4	1.0		89		
143+50	145+60	RT	NORMAL	4	1.0		23		
145+00	155+00	LT	NORMAL	4	1.0		111		
149+50	169+50	RT	NORMAL	4	1.0		222		
158+40	176+00	LT	NORMAL	4	1.0		195		
172+00	176+00	RT	NORMAL	4	1.0		444		
CO RD 24									
200+50	202+44	LT	NORMAL	4	1.0	216			
200+50	202+44	RT	NORMAL	4	1.0	216			
TOTALS						7543	1292	750	750

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

Outfall ID Station	REACH NAME	LOCATION OF IMPAIRED STREAM SEGMENT AS INDICATED IN THE 305B AND 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
STA 635+94 LT	GLADESVILLE CR	STREAM 2	BIO F	NP	4A	72
STA 658+28 RT	GLADESVILLE CR	WETLAND 2A	BIO F	NP	4A	72
STA 670+42 RT	GLADESVILLE CR	WETLAND 2C	BIO F	NP	4A	66

SAMPLING GENERAL NOTES:

Representative sampling may be utilized on this project as explained here. The individual outfall drainage basins along the project corridor have been carefully evaluated and compared on the basis of four characteristics: the type of construction activity, the disturbed acreage, the average slope about the outfall, and the soil erosion index 0-10, 10 being the most erodible soil. The construction activity types are new road on fill, new road in cut, road widening, and maintenance/safety. The disturbed area classes are less than or equal to 1 acre, greater than 1 acre to less than 2 acres, and equal to or greater than 2 acres. The average outfall slope is mild if it is equal to or less than 0.03, and steep if it is greater than 0.03. The soil erosion index is low if it is less than or equal to 5 and high if it is greater than 5. After evaluation of these characteristics as presented in the project's drainage area map, hydrology and hydraulic studies, construction plans, geotechnical soil survey, and erosion sedimentation and pollution control plans, the Department has determined that the representative sampling scheme shown below is valid for the duration of the project. The table shows the groups of similar outfall drainage basins.

The increase in turbidity at the specified locations in the table below will be representative of the alternate outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative sampled features are identified in the table below.

The total site size is 49.17 acres.

SAMPLING INFORMATION									OUTFALL CHARACTERISTICS					
Primary Monitoring Feature	Location (station and offset)	Name of Receiving water	Applicable construction stage for monitoring	Sampling Type (Outfall or Receiving Water)	Drainage Area (For the Receiving Water)	Total Project Size (acres)	Warm or Cold water Stream	Appendix B NTU value (outfall Monitoring Only)	Location Description	Construction Activity	Disturbed Area (acres)	Average Outfall Slope (rise/run)	Soil Erosion Index	Alternate Outfall Drainage Basins
1	609+72, 35' LT	GLADESVILLE CREEK	ALL	OUTFALL	8.5 AC	49.17 AC	WARM	50	CROSS DRAIN	WIDENING	1 - 2	STEEP	LOW	5
5	670+42, 35' RT	LITTLE GLADESVILLE	ALL	OUTFALL	8.19 AC	49.17 AC	WARM	50	CROSS DRAIN	WIDENING	1 - 2	STEEP	LOW	2,4 - 12
6	108+77, 40' LT	SHOAL CREEK	ALL	OUTFALL	2.96 AC	49.17 AC	WARM	50	CROSS DRAIN	WIDENING	1 - 2	STEEP	LOW	7 & 9
7	122+50, 38' RT	MURDER CREEK	ALL	OUTFALL	1.72 AC	49.17 AC	WARM	50	CROSS DRAIN	WIDENING	1 - 2	STEEP	LOW	5-8,10-12
9	145+08, 41' RT	MURDER CREEK	ALL	OUTFALL	2.76 AC	49.17 AC	WARM	50	CROSS DRAIN	WIDENING	1 - 2	STEEP	LOW	5-8,10-12
13	158+68, 35' LT	MURDER CREEK	ALL	OUTFALL	4.13 AC	49.17 AC	WARM	50	DITCH	WIDENING	0 - 1	STEEP	LOW	5 - 12

The primary monitored features specified should be used as the initial sampling locations. An alternate monitored feature may be used if additional sampling is required or to replace a primary monitored feature that is no longer located within the active phase of construction.

POST-CONSTRUCTION BMP'S FOR STORMWATER MANAGEMENT

All permanent, post-construction BMP's are shown in the construction plans and in the ESPCP plan. The post-construction BMP's for this project consist of vegetation, permanent slope drains and/or flumes, rip-rap at pipe outlets for velocity dissipation and outlet stabilization, vegetated swales/ditches where practical, channels/ditch stabilization with Turf Reinforcing Mats, and rip-rap where necessary. The post-construction BMP's will provide permanent stabilization of the site and prevent abnormal transportation of sediment and pollutants into receiving waters.

GEORGIA
DEPARTMENT
OF
TRANSPORTATION

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TENNILLE DISTRICT

ESPCP GENERAL NOTES
JASPER COUNTY

DRAWING NO. 51-002

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