STREAM BUFFER ENCROACHMENT

Stream Buffers are impacted by this project. The Contractor is not authorized to enter in to stream buffers, except as described in the table below:

STREAM NAME OR NUMBER	LOCATION OF BUFFERED STREAMS AND STATE WATERS **			STREAM TYPE (WARM OR COLD WATER)	BUFFER IMPACTED (YES OR NO)	BUFFER VARIANCE REQUIRED?	DESCRIBE THE ALLOWABLE ACTIVITES AND/OR RESTRICTIONS WITHIN THE BUFFER AND APPROXIMATE LOCATION OF IMPACTS.
	ALIGNMENT	BEGIN STATION (LEFT OR RIGHT)	END STATION (LEFT OR RIGHT)				
STREAM #30	S.R. 4	265+63.56	266+26.56	WARM	YES	NO	This watercourse is a designated state water and crosses the buffer perpendicularly. Construction activities should be limited to the construction of roadway limits.
STREAM #33 - OHOOPEE RIVER	S.R. 4	291+20.52	292+65.41	WARM	YES	NO	This watercourse is a designated state water and crosses the buffer perpendicularly. Construction activities should be limited to the construction of roadway limits.
STREAM #28	S.R. 4	250+50.00	252+00.00	WARM	YES	NO	This watercourse is a desginated state water and crosses the buffer perpendicurlarly. Construction activities should be limited to the construction of roadway limits.
POND #34a	S.R. 4	294+56.00	295+35.00	WARM	YES	NO	This watercourse is a designated state water and crosses the buffer perpendicurlarly. Construction activities should be limited to the construction of roadway limits.
POND #33a	S.R. 4	297+50.00	299+00.00	WARM	YES	NO	This watercourse is a designated state water and crosses the buffer perpendicurlarly. Construction activities should be limited to the construction of roadway limits.
POND #33b	Old Hwy 46	11+59.59	12+05.00	WARM	NO	NO	

* 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.

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 constructued in a manner that ensures stormwater doe snot bypass the inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

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 BMP's specified in this table.

OUTFALL ID	TOTAL DRAINAGE AREA (ACRES)	DISTURBED AREA (ACRES)	REQUIRED SEDIMENT STORAGE VOLUME (YD^3)	TOTAL STORAGE VOLUME PROVIDED (YD^3)	SEDIMENT BASINS		CHECK DAM		INLET SEDIMENT TRAPS		NOTES
					POND #	TOTAL VOLUME	NUMBER OF DEVICES	TOTAL VOLUME	NUMBER OF DEVICES	TOTAL VOLUME	
223+50 RT	8.01	4.28	536.67	448.87			41	71.73	3	123.62	The placement of a sediment basin in this area of sheet flow will create more disturbed earth from its construction than it would serve to mitigate. The use of silt fence in this area will help with sediment storage.
250+50 LT	5.10	3.99	341.70	6602.70	1	6510.52	47	65.08	1	27.10	
259+50 LT	2.56	0.93	171.52	4532.53	3	4510.70	11	21.83			
265+90 RT	8.82	7.10	590.94	10588.59	2, 4	10165.81	48	91.60	7	331.18	
273+00 RT	1.62	1.35	108.54	5022.29	5	4601.45	10	17.86	2	402.98	
301+00 RT	5.08	2.78	340.36	4697.47	6	4326.03	28	48.55	3	322.89	
305+50 LT	7.66	1.69	513.22	39.59			19	39.59			The placement of a sediment basin in this area of sheet flow will create more disturbed earth from its construction than it would serve to mitigate. The use of silt fence in this area will help with sediment storage.

USE ON CONSTRUCTION

GEORGIA
DEPARTMENT
OF
TRANSPORTATION

REVISION DATES
10-21-11
11-28-11
02-16-12
05-08-12

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROADWAY DESIGN
ESPC GENERAL NOTES
SEDIMENT STORAGE
DRAWING NO. 51-005

3/1/2007 GPLN