

**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:

# VOID

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)				
INTERMITTENT STREAM 1 CROSSING 1	SR 156	25+15.50	25+49.63	WARM	YES	NO	The culvert under the Southbound on ramp is being extended, thus the stream flowing into the culvert will be impacted. There will be no impacts to the stream buffer outside of the culvert extension exempt area (50' left and right of the extension).
INTERMITTENT STREAM 2	SB ON RAMP	37+40.30	36+53.91	WARM	YES	NO	The stream buffer is being impacted due to the construction of the new Southbound on ramp and new drainage pipe. There are no impacts to the bank or stream centerline, only the stream buffer.
INTERMITTENT STREAM 1 CROSSING 2 (1 OF 2)	SR 156	26+36.48	26+82.74	WARM	YES	NO	The gap between the existing culverts will be eliminated thus making a continuous culvert. The stream buffer will be impacted but only in an area 50' left and right of the culvert extension.
INTERMITTENT STREAM 1 CROSSING 2 (2 OF 2)	SR 156	29+50.11	29+65.68	WARM	YES	NO	The gap between the existing culverts will be eliminated thus making a continuous culvert. The stream buffer will be impacted but only in an area 50' left and right of the culvert extension.
INTERMITTENT STREAM 1 BUFFER CROSSING 3	NB OFF RAMP	28+17.19	26+56.35	WARM	YES	YES	The culvert under the Northbound off ramp is being extended, thus the stream flowing out of the culvert will be impacted. The stream buffer will be impacted outside of the exempt area (approximately 187') where the stream runs parallel and then away from the ramp. A wall is being constructed along the ramp in order to only impact the buffer and not the bank or stream centerline.
PERENNIAL STREAM 5 CROSSING 1	HARMONY CHURCH ROAD	22+13.75	22+93.82	WARM	YES	YES	The culvert under Harmony Church Road is being relocated and extended thus the stream flowing through the culvert will be impacted. Because the culvert crossing is being relocated and the way the stream meanders, it will be impacted outside of the exempt area (50' left and right of the relocated culvert).
INTERMITTENT STREAM 6	SOUTH MOSS ROAD	13+47.32	14+06.67	WARM	YES	NO	The stream buffer will be impacted (19.64') where the new south moss road ties down to the existing South Moss Road. At the point of impact the new South Moss road is on the existing South Moss Road, only overlay work is being done near the impact.
PERENNIAL STREAM 5 CROSSING 2	SR 156	44+38.07	48+00.00	WARM	YES	YES	The proposed SR 156 is tying back to the existing SR 156 roadway in this area, thus the stream buffer will be impacted. Redesign was looked at to avoid impacting this stream buffer, in order to keep a quality design the stream buffer must be impacted. Mitigation measures are being taken in the form of an enhanced dry swale, natural stream channel design and re-vegetation plan.
PERENNIAL STREAM 5 CROSSING 3	SR 156	48+64.28	BEYOND END PROJECT	WARM	NO	NO	This stream is beyond the project limits.

\* Warm water streams have a 25-foot minimum buffer as measured from the wretched vegetation. Cold Water streams have a 50-foot buffer as measured from the wretched vegetation.  
 \*\* Locations are approximate, a detailed location of stream buffers and authorized work areas are shown on the individual BMP sheets.

9/15/2007 GPLN	<b>GEORGIA</b> DEPARTMENT OF TRANSPORTATION	REVISION DATES <table border="1" style="width:100%; height: 40px;"> <tr><td> </td><td> </td><td> </td></tr> </table>																			STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: ROADWAY DESIGN <b>ESPC GENERAL NOTES</b>  PROJECT 1M000-0075-03(189) GORDON COUNTY	DRAWING No. <b>51-002</b>