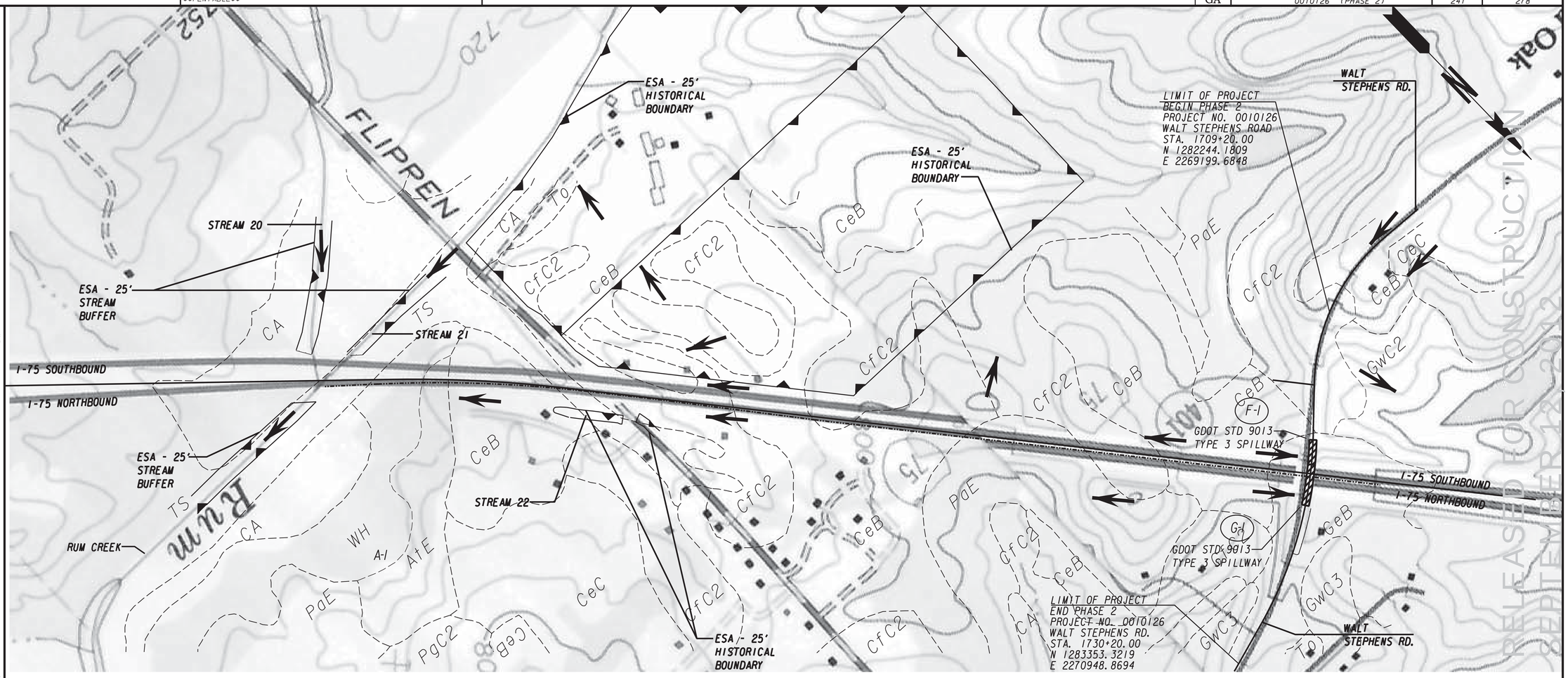

DRAINAGE OUTFALLS

	DRAINAGE STRUCTURE/ AREA NO.	STATION	SKEW ANGLE	SIZE	DRAINAGE AREA ACRES	DRAINAGE AREA SQ. MI.	DISTURBED AREA (AC)	EXISTING CONDITIONS CHANNEL SLOPE %	EXISTING C	Q10 (CFS)	Q50 (CFS)	Q100 (CFS)	V10 (FPS)	V50 (FPS)	V100 (FPS)	HW10 (CFS)	HW50 (CFS)	HW100 (CFS)	PROPOSED CONDITIONS CHANNEL SLOPE %	PROPOSED C	Q10 (CFS)	Q50 (CFS)	Q100 (CFS)	V10 (FPS)	V50 (FPS)	V100 (FPS)	HW10 (CFS)	HW50 (CFS)	HW100 (CFS)
PHASE 2	F1	1716+80 RT	-	2' CON FLUME	0.15	0.00023	0.15	*	*	*	*	*	*	*	*	***	***	***	4.00	0.95	0.86	1.03	1.24	**	**	**	***	***	***
	G1	1721+03 RT	-	2' CON FLUME	0.24	0.00038	0.24	*	*	*	*	*	*	*	*	***	***	***	4.27	0.95	1.45	1.74	2.09	**	**	**	***	***	***

TOTAL PROJECT AREA - 6.40 AC
TOTAL DISTURBED AREA - 5.55 AC

PHASE 2 RECEIVING WATER - REEVES CREEK

PHASE 2 NOTES:

* Drainage areas for F1 and G1 are not concentrated in the existing conditions.

** Structures F1 and G1 are flumes. No velocities are calculated. Both structures will be constructed with the recommended splash blocks and sufficient rip rap to limit exit velocities.

*** Structures F1 and G1 are flumes. No headwater elevations can be calculated.

Soil Legend

Map Unit Symbol	Map Unit Name
CeB	Cecil sandy loam, 2 to 6 percent slopes
CfC2	Cecil sandy clay loam, 6 to 10 percent slopes, eroded
GeB	Gwinnett sandy loam, 2 to 6 percent slopes

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SCALE IN FEET
0 400 800 1600

REVISION DATES		
09-12-2012		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: INNOVATIVE PROGRAM DELIVERY

EROSION CONTROL

I-75 NORTHBOUND AUXILIARY LANE PROJECT-PHASE 2

DRAINAGE AREA MAP

DRAWING No. 53-002

RELEASED FOR CONSTRUCTION SEPTEMBER 13, 2012