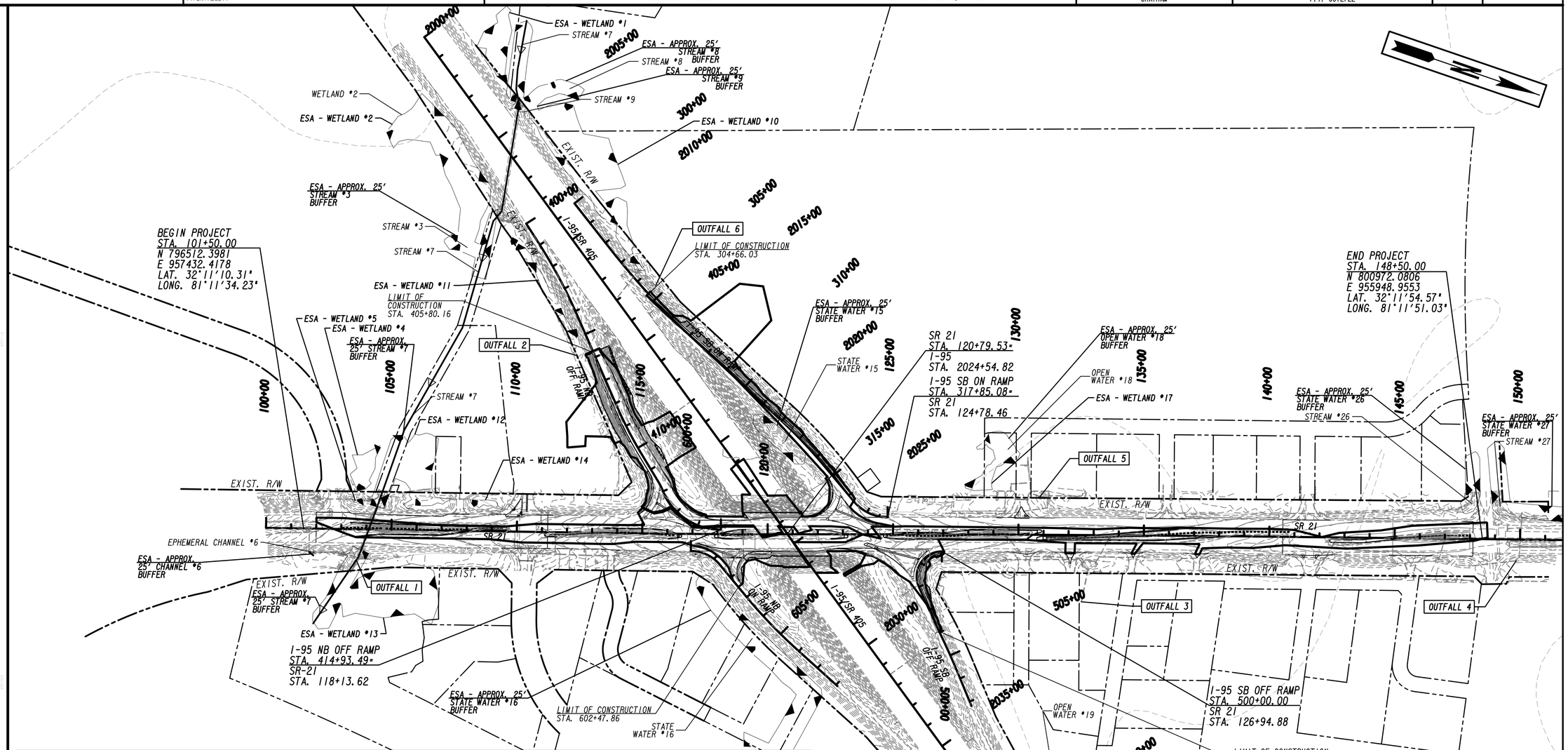
DATE$$$ TIME$$$ $PRF8$ DGN $USER$ $$PENTABLE$$

RELEASED FOR CONSTRUCTION APRIL 29, 2016

COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CHATHAM	P.I. 0012722		



DRAINAGE CALCULATIONS

OUTFALL ID	OUTFALL TYPE	LOCATION		DRAINAGE AREA	DISTURBED AREA	Q(25)	Q(100)	V(25)	V(100)	C (BEFORE)	C (AFTER)	OUTFALL DRNG AREA
		STATION	SIDE									
OUTFALL 1	STREAM	103+70	RT	36.02 AC	1.78 AC	142.4 CFS	193.8 CFS	1.30 F/S	1.40 F/S	0.56	0.57	3.68 AC
OUTFALL 2	DITCH	405+77	RT	8.93 AC	1.55 AC	28.6 CFS	38.5 CFS	1.08 F/S	1.17 F/S	0.62	0.63	3.54 AC
OUTFALL 3	36" PIPE	132+79	RT	17.96 AC	2.18 AC	88.3 CFS	119.0 CFS	3.55 F/S	3.70 F/S	0.61	0.61	3.29 AC
OUTFALL 4	18" PIPE	149+85	RT	0.49 AC	0.00 AC	2.0 CFS	2.7 CFS	2.03 F/S	2.12 F/S	0.67	0.67	0.00 AC
OUTFALL 5	24" PIPE	130+82	LT	10.13 AC	0.02 AC	54.1 CFS	75.1 CFS	4.08 F/S	4.58 F/S	0.50	0.50	0.00 AC
OUTFALL 6	DITCH	304+61	LT	13.81 AC	1.33 AC	45.7 CFS	66.2 CFS	0.61 F/S	0.67 F/S	0.36	0.36	4.94 AC

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE35109 CHRISTOPHER B. ROBINSON 12/14/12

Wolverton & Associates
Consulting Engineers + Land Surveyors
6745 Sugarloaf Parkway Suite 100 Duluth, Georgia 30097
Phone (770) 447-9999 Fax (770) 447-9070
www.wolvertonassoc.com

SCALE IN FEET
0 200 400 800

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: INNOVATIVE DELIVERY

EROSION CONTROL DRAINAGE AREA MAP

I-95 AT SR 21 DIVERGING DIAMOND INTERCHANGE PROJECT

DRAWING No. 53-0001

12/14/2012 GPLN

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