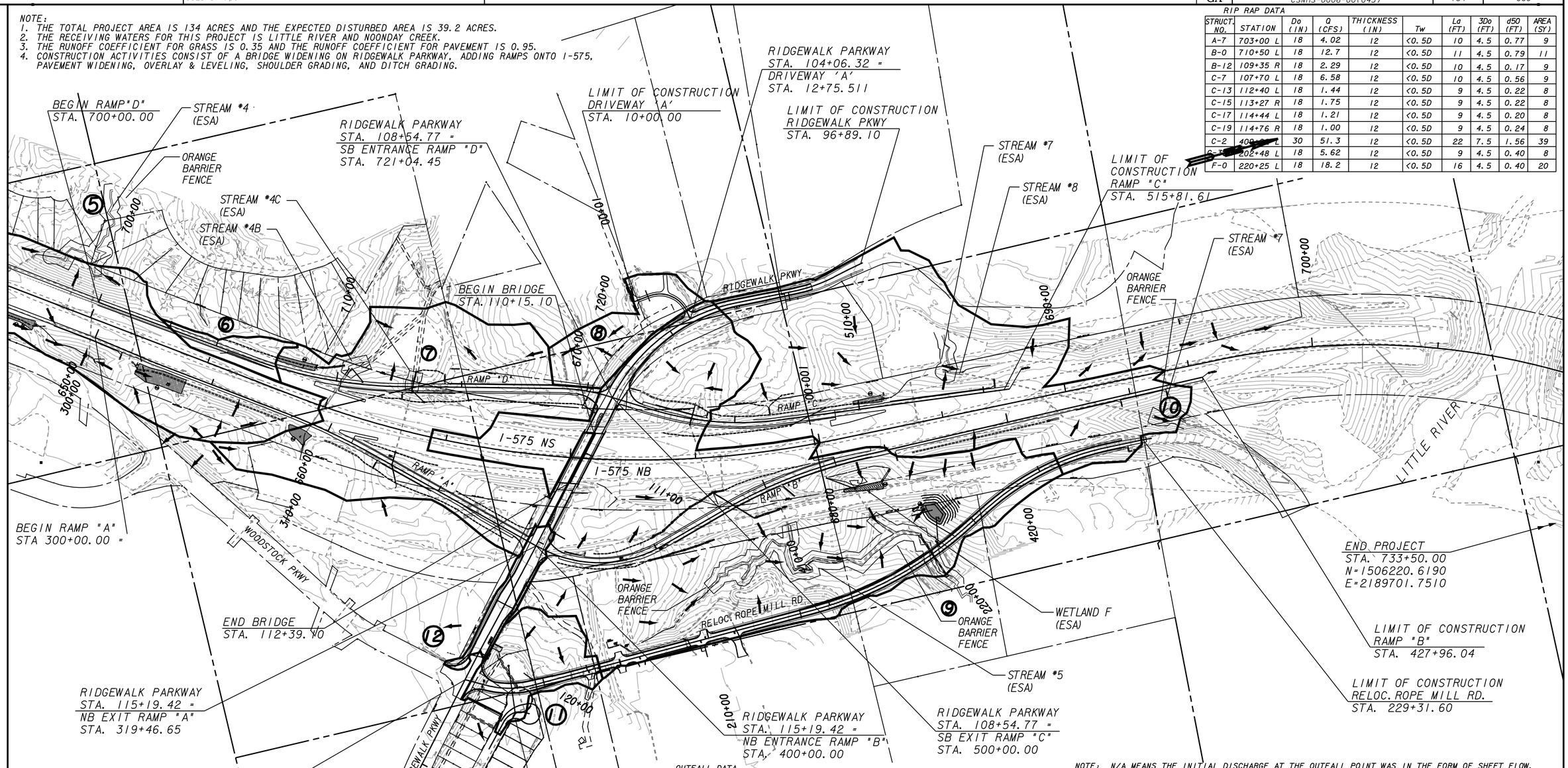
RELEASED FOR CONSTRUCTION 12/02/10

NOTE:
1. THE TOTAL PROJECT AREA IS 134 ACRES AND THE EXPECTED DISTURBED AREA IS 39.2 ACRES.
2. THE RECEIVING WATERS FOR THIS PROJECT IS LITTLE RIVER AND NOONDAY CREEK.
3. THE RUNOFF COEFFICIENT FOR GRASS IS 0.35 AND THE RUNOFF COEFFICIENT FOR PAVEMENT IS 0.95.
4. CONSTRUCTION ACTIVITIES CONSIST OF A BRIDGE WIDENING ON RIDGEWALK PARKWAY, ADDING RAMPS ONTO I-575, PAVEMENT WIDENING, OVERLAY & LEVELING, SHOULDER GRADING, AND DITCH GRADING.

RIP RAP DATA

STRUCT. NO.	STATION	Do (IN)	Q (CFS)	THICKNESS (IN)	Tw	La (FT)	3Do (FT)	d50 (FT)	AREA (SY)
A-7	703+00 L	18	4.02	12	<0.5D	10	4.5	0.77	9
B-0	710+50 L	18	12.7	12	<0.5D	11	4.5	0.79	11
B-12	109+35 R	18	2.29	12	<0.5D	10	4.5	0.17	9
C-7	107+70 L	18	6.58	12	<0.5D	10	4.5	0.56	9
C-13	112+40 L	18	1.44	12	<0.5D	9	4.5	0.22	8
C-15	113+27 R	18	1.75	12	<0.5D	9	4.5	0.22	8
C-17	114+44 L	18	1.21	12	<0.5D	9	4.5	0.20	8
C-19	114+76 R	18	1.00	12	<0.5D	9	4.5	0.24	8
C-2	409+[illegible] L	30	51.3	12	<0.5D	22	7.5	1.56	39
C-[illegible]	202+48 L	18	5.62	12	<0.5D	9	4.5	0.40	8
F-0	220+25 L	18	18.2	12	<0.5D	16	4.5	0.40	20



OUTFALL DATA

NOTE: N/A MEANS THE INITIAL DISCHARGE AT THE OUTFALL POINT WAS IN THE FORM OF SHEET FLOW.

OUT-FALL NO.	STATION	DRAIN AREA (AC)	DISTURB AREA (AC)	RECEIVING WATER	Tc (MIN)	PRE C	POST C	INTENSITY 50 YEAR	PRE Q50 (cfs)	POST Q50 (cfs)	INTENSITY 100 YEAR	PRE Q100 (cfs)	POST Q100 (cfs)	PIPE SIZE (in)	SKEW ANGLE	PRE HW50	PRE HW100	POST HW50	POST HW100	PRE VEL50 (ft/s)	PRE VEL100 (ft/s)	POST VEL50 (ft/s)	POST VEL100 (ft/s)	CHNL SLPE (%)	RIP RAP (sy)
6	705+10 L	1.02	0.65	NOONDAY CREEK	10	0.62	0.69	7.61	3.88	4.27	8.30	4.18	4.60	18	90°	N/A	N/A	N/A	N/A	3.84	3.92	4.01	4.10	10	10
7	713+44 L	17.0	3.41	NOONDAY CREEK	[illegible]	[illegible]	0.46	6.59	33.32	37.57	7.21	36.35	41.03	24	90°	974.14	974.48	974.82	975.33	6.89	7.54	8.05	8.80	N/A	N/A
8	719+80 L	2.84	0.98	NOONDAY CREEK	10	0.40	0.53	7.61	8.57	11.50	8.30	9.35	12.54	N/A	90°	N/A	N/A	N/A	N/A	5.71	6.23	7.67	8.36	7.0	N/A
9	219+57 R	36.6	11.8	LITTLE RIVER	30	0.52	0.59	4.81	153.4	153.4	5.28	193.2	193.2	60	90°	889.76	889.76	891.13	891.13	16.71	16.71	17.46	17.46	2.0	N/A
10	426+82 R	23.0	5.80	LITTLE RIVER	20	0.46	0.50	5.85	59.2	61.9	6.40	64.8	67.7	30	24°	925.87	927.05	926.43	927.75	18.73	19.15	18.93	19.37	3.7	11
11	601+85 L	3.31	1.64	LITTLE RIVER	10	0.38	0.43	7.61	10.77	13.28	8.30	11.80	14.44	18	90°	968.25	968.49	968.91	969.31	5.01	5.49	6.41	7.00	N/A	N/A
12	120+94 R	1.31	1.27	LITTLE RIVER	10	0.61	0.88	7.61	4.54	5.76	8.30	4.97	6.17	18	0°	N/A	N/A	N/A	N/A	10.26	10.52	10.97	11.18	N/A	N/A

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

THE LPA GROUP
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3595 ENGINEERING DRIVE
NORCROSS, GEORGIA 30092
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SCALE IN FEET
0 200 400 800

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: INNOVATIVE PROGRAM DELIVERY

DRAINAGE AREA MAP
SHEET 2 OF 2

DRAWING No. 21-002