

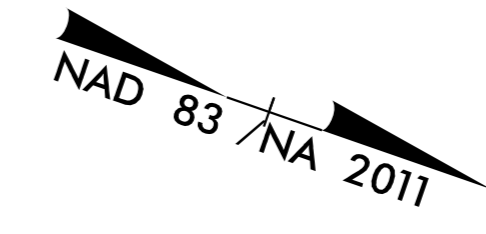
Kimley Horn
 421 FAYETTEVILLE STREET, SUITE 600
 RALEIGH, NC 27601

PROJECT REFERENCE NO. R-5930A
 SHEET NO. 5

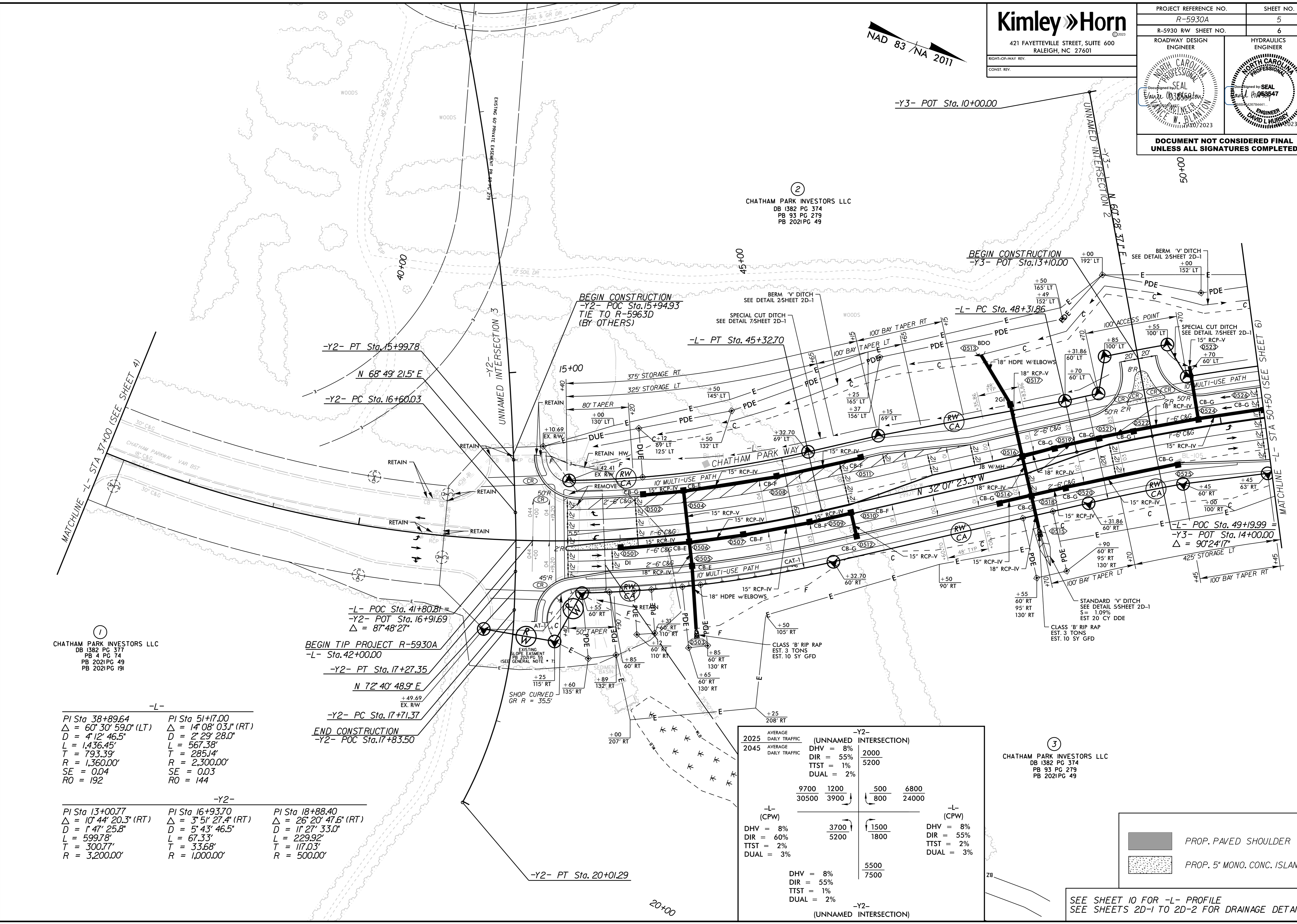
R-5930 RW SHEET NO. 6
 ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**



REVISIONS



①
 CHATHAM PARK INVESTORS LLC
 DB 1382 PG 377
 PB 4 PG 74
 PB 2021 PG 49
 PB 2021 PG 191

-L-
 PI Sta 38+89.64 PI Sta 51+17.00
 Δ = 60° 30' 59.0" (LT) Δ = 14° 08' 03.1" (RT)
 D = 4' 12' 46.5" D = 2' 29' 28.0"
 L = 1,436.45' L = 567.38'
 T = 793.39' T = 285.14'
 R = 1,360.00' R = 2,300.00'
 SE = 0.04 SE = 0.03
 RO = 192 RO = 144

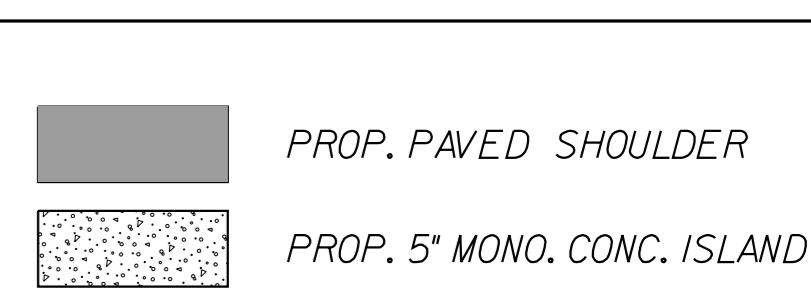
-Y2-
 PI Sta 13+00.77 PI Sta 16+93.70 PI Sta 18+88.40
 Δ = 10° 44' 20.3" (RT) Δ = 3° 51' 27.4" (RT) Δ = 26° 20' 47.6" (RT)
 D = 1' 47' 25.8" D = 5' 43' 46.5" D = 11' 27' 33.0"
 L = 599.78' L = 67.33' L = 229.92'
 T = 300.77' T = 33.68' T = 117.03'
 R = 3,200.00' R = 1,000.00' R = 500.00'

②
 CHATHAM PARK INVESTORS LLC
 DB 1382 PG 374
 PB 93 PG 279
 PB 2021 PG 49

BEGIN TIP PROJECT R-5930A
 -L- Sta. 42+00.00
 -Y2- PT Sta. 17+27.35
 N 72° 40' 48.9" E
 -Y2- PC Sta. 17+71.37
 END CONSTRUCTION
 -Y2- POC Sta. 17+83.50

2025 AVERAGE DAILY TRAFFIC		-Y2- (UNNAMED INTERSECTION)	
9700	1200	500	6800
30500	3900	800	24000
-L- (CPW)		-L- (CPW)	
DHV = 8%	3700	DHV = 8%	1500
DIR = 60%	5200	DIR = 55%	1800
TTST = 2%		TTST = 2%	
DUAL = 3%		DUAL = 3%	
-Y2- (UNNAMED INTERSECTION)		-Y2- (UNNAMED INTERSECTION)	
DHV = 8%	5500	DHV = 8%	5500
DIR = 55%	7500	DIR = 55%	7500
TTST = 1%		TTST = 1%	
DUAL = 2%		DUAL = 2%	

③
 CHATHAM PARK INVESTORS LLC
 DB 1382 PG 374
 PB 93 PG 279
 PB 2021 PG 49



SEE SHEET 10 FOR -L- PROFILE
 SEE SHEETS 2D-1 TO 2D-2 FOR DRAINAGE DETAILS