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PROJECT REFERENCE NO.	SHEET NO.
R-2707C	20
R/W SHEET NO.	

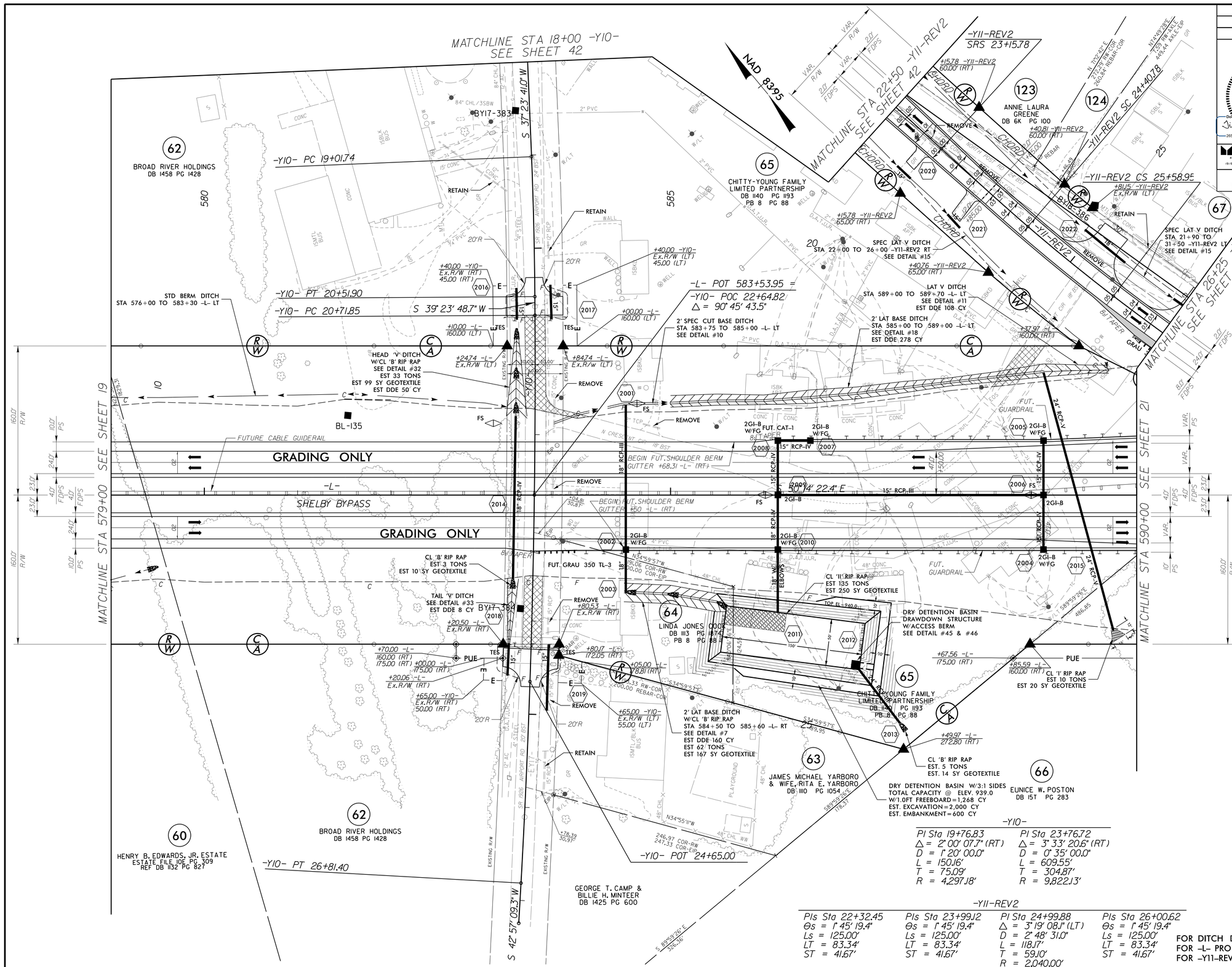
ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 15869 ENGINEER — Digitally signed by Jinchao R. Esp — 26569A242E8341... — 4/12/2017

HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 26971 ENGINEER — Digitally signed by Jeffrey Brian Dalton — 1089ADBC1E8B4A... — 4/12/2017

moffatt & nichol — 4700 FALLS OF NEUSE ROAD, SUITE 300, RALEIGH, NORTH CAROLINA 27609, (919) 781-4626 VOICE (919) 781-4865 FAX

SDG Sungate Design Group, P.A. Planners · Landscape Architects · Engineers 5104 James Pringle Rd. Raleigh, N.C. 27606

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



-Y10-

PI Sta 19+76.83	PI Sta 23+76.72
Δ = 2° 00' 07.7" (RT)	Δ = 3° 33' 20.6" (RT)
D = 1° 20' 00.0"	D = 0° 35' 00.0"
L = 150.16'	L = 609.55'
T = 75.09'	T = 304.87'
R = 4,297.18'	R = 9,822.13'

-Y11-REV2

PIs Sta 22+32.45	PIs Sta 23+99.12	PI Sta 24+99.88	PIs Sta 26+00.62
Θs = 1° 45' 19.4"	Θs = 1° 45' 19.4"	Δ = 3° 19' 08.1" (LT)	Θs = 1° 45' 19.4"
Ls = 125.00'	Ls = 125.00'	D = 2° 48' 31.0"	Ls = 125.00'
LT = 83.34'	LT = 83.34'	L = 118.17'	LT = 83.34'
ST = 41.67'	ST = 41.67'	T = 59.10'	ST = 41.67'
		R = 2,040.00'	
		SE = .05	

FOR DITCH DETAILS SEE SHEETS 2D-1 AND 2D-2
FOR -L- PROFILE SEE SHEET 52
FOR -Y11-REV2 PROFILE SEE SHEET 66