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PROJECT REFERENCE NO.	SHEET NO.
U-3615B	15
R/W SHEET NO.	

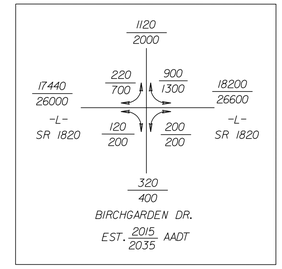
ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 022999 ENGINEER GREG S. PURVIS

HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 012575 ENGINEER Paul F. Fisher

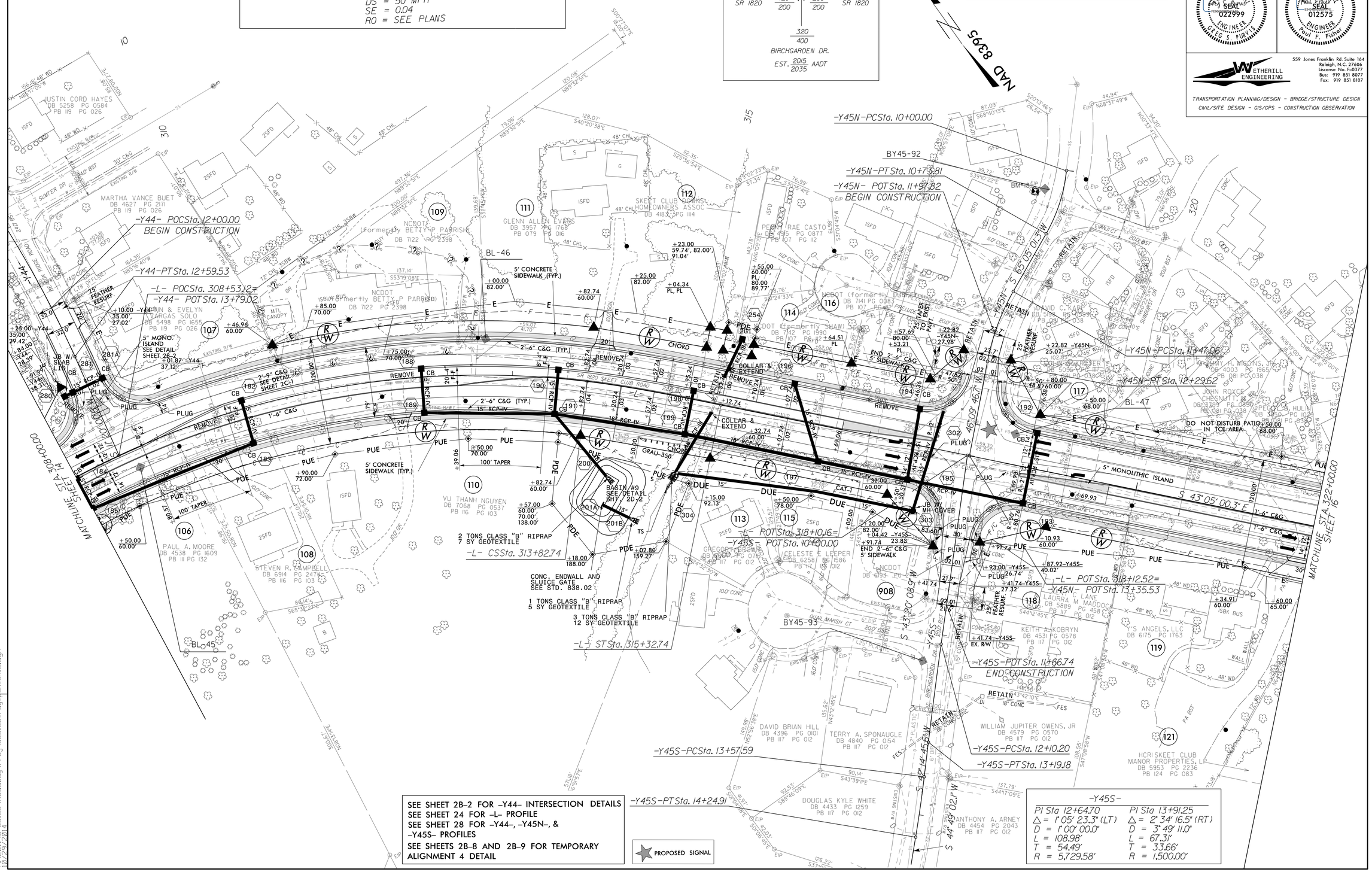
WETHERILL ENGINEERING
559 Jones Franklin Rd. Suite 164
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

-Y44-	-L-	-L-
PI Sta 11+70.64	PI Sta 310+92.61	PIs Sta 314+32.77
△ = 8° 54' 24.9" (RT)	△ = 36° 15' 22.1" (RT)	Θs = 4° 31' 24.1"
D = 5° 00' 00.0"	D = 6° 01' 52.1"	Ls = 150.00'
L = 178.14'	L = 601.15	LT = 100.03'
T = 89.25'	T = 311.02'	ST = 50.03'
R = 1,145.92'	R = 950.00'	
	DS = 50 MPH	
	SE = 0.04	
	RO = SEE PLANS	



-Y45N-	
PI Sta 11+88.72	PI Sta 10+37.43
△ = 18° 55' 14.5" (LT)	△ = 23° 29' 45.2" (RT)
D = 22° 55' 05.9"	D = 31° 49' 51.6"
L = 82.56'	L = 73.81'
T = 41.66'	T = 37.43'
R = 250.00'	R = 180.00'



-Y45S-	
PI Sta 12+64.70	PI Sta 13+91.25
△ = 1° 05' 23.3" (LT)	△ = 2° 34' 16.5" (RT)
D = 1° 00' 00.0"	D = 3° 49' 11.0"
L = 108.98'	L = 67.31'
T = 54.49'	T = 33.66'
R = 5,729.58'	R = 1,500.00'

SEE SHEET 2B-2 FOR -Y44- INTERSECTION DETAILS
SEE SHEET 24 FOR -L- PROFILE
SEE SHEET 28 FOR -Y44-, -Y45N-, & -Y45S- PROFILES
SEE SHEETS 2B-8 AND 2B-9 FOR TEMPORARY ALIGNMENT 4 DETAIL

REVISIONS

8/17/99

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10/29/2014