DocuSign Envelope ID: BD04A6F0-193C-4758-B1A2-A87F8B7C208F

PROJECT REFERENCE NO.	SHEET NO.
U-3615B	11
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

-L-
PI Sta 253+07.94
Δ = 51° 46' 45.8" (RT)
D = 6° 09' 39.0"
L = 840.46
T = 451.38'
R = 930.00'
DS = 50 MPH
SE = 0.04
RO = SEE PLANS

-L-
PIs Sta 257+47.06
Θs = 4° 37' 14.3"
Ls = 150.00'
LT = 100.03'
ST = 50.03'

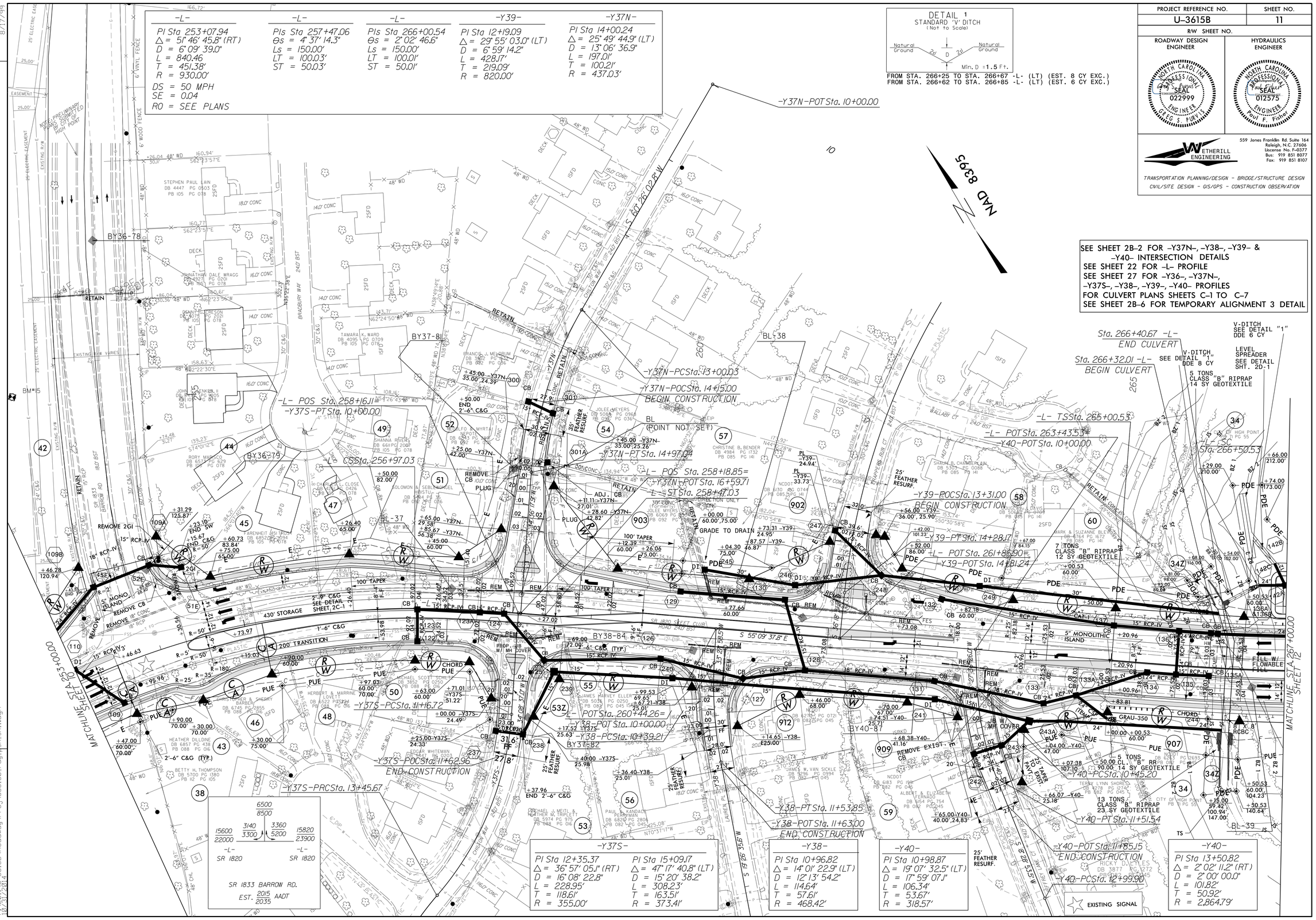
-L-
PIs Sta 266+00.54
Θs = 2° 02' 46.6"
Ls = 150.00'
LT = 100.01'
ST = 50.01'

-Y39-
PI Sta 12+19.09
Δ = 29° 55' 03.0" (LT)
D = 6° 59' 14.2"
L = 428.17'
T = 219.09'
R = 820.00'

-Y37N-
PI Sta 14+00.24
Δ = 25° 49' 44.9" (LT)
D = 13° 06' 36.9"
L = 197.01'
T = 100.21'
R = 437.03'

DETAIL 1
STANDARD "V" DITCH
(Not to Scale)
Natural Ground, 2:1, D, 2:1, Natural Ground
Min. D = 1.5 Ft.
FROM STA. 266+25 TO STA. 266+67 -L- (LT) (EST. 8 CY EXC.)
FROM STA. 266+62 TO STA. 266+85 -L- (LT) (EST. 6 CY EXC.)

SEE SHEET 2B-2 FOR -Y37N-, -Y38-, -Y39- & -Y40- INTERSECTION DETAILS
SEE SHEET 22 FOR -L- PROFILE
SEE SHEET 27 FOR -Y36-, -Y37N-, -Y37S-, -Y38-, -Y39-, -Y40- PROFILES
FOR CULVERT PLANS SHEETS C-1 TO C-7
SEE SHEET 2B-6 FOR TEMPORARY ALIGNMENT 3 DETAIL



-Y37S-
PI Sta 12+35.37
Δ = 36° 57' 05.1" (RT)
D = 16° 08' 22.8"
L = 228.95'
T = 118.61'
R = 355.00'

PI Sta 15+09.17
Δ = 47° 17' 40.8" (LT)
D = 15° 20' 38.2"
L = 308.23'
T = 163.51'
R = 373.41'

-Y38-
PI Sta 10+96.82
Δ = 14° 01' 22.9" (LT)
D = 12° 13' 54.2"
L = 114.64'
T = 57.61'
R = 468.42'

-Y40-
PI Sta 10+98.87
Δ = 19° 07' 32.5" (LT)
D = 17° 59' 07.1"
L = 106.34'
T = 53.67'
R = 318.57'

-Y40-
PI Sta 13+50.82
Δ = 2° 02' 11.2" (RT)
D = 2° 00' 00.0"
L = 101.82'
T = 50.92'
R = 2,864.79'

6500 / 8500
15600 / 22000 -L- SR 1820
3140 / 3300
3360 / 5200
15820 / 23900 -L- SR 1820
SR 1833 BARROW RD.
EST. 2015/2035 AADT

REVISIONS

8/17/99

10/04/05 AM
10/28/11 AM
10/31/2014

U-3615B\Roadway\Proj\u3615b_rdy_sh11.dgn