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5/14/99

-L-

PI Sta 19+52.88
△ = 14° 56' 48.0" (LT)
D = 4° 00' 00.0"
L = 373.67'
T = 187.90'
R = 1,432.39'

PI Sta 30+77.68
△ = 21° 32' 59.6" (LT)
D = 2° 05' 00.5"
L = 1,034.32'
T = 523.34'
R = 2,750.00'

-Y1-

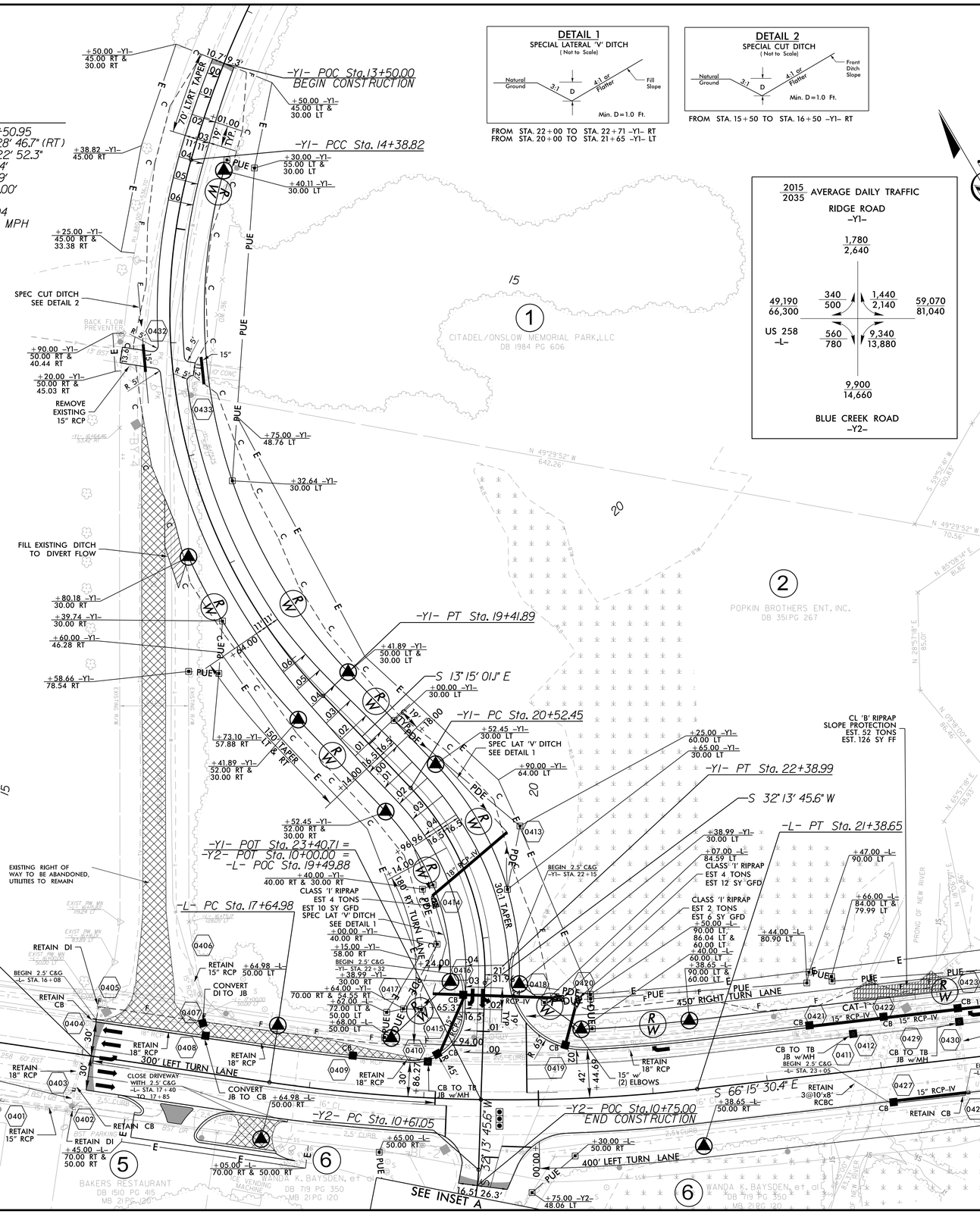
PI Sta 12+99.10
△ = 19° 00' 43.1" (LT)
D = 6° 44' 26.4"
L = 282.05'
T = 142.33'
R = 850.00'

PI Sta 17+15.63
△ = 59° 25' 49.6" (LT)
D = 11° 48' 48.8"
L = 503.07'
T = 276.81'
R = 485.00'
R.O. = 114'
SE = 0.06
DS = 40 MPH

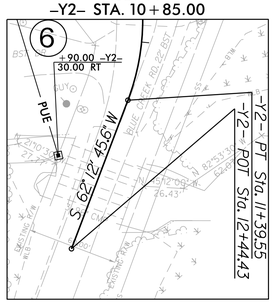
PI Sta 21+50.95
△ = 45° 28' 46.7" (RT)
D = 24° 22' 52.3"
L = 186.54'
T = 98.49'
R = 235.00'
R.O. = 76'
SE = 0.04
DS = 25 MPH

-Y2-

PI Sta 11+01.22
△ = 29° 59' 00.0" (RT)
D = 38° 11' 49.9"
L = 78.50'
T = 40.17'
R = 150.00'



INSET A
-Y2- STA. 10+85.00



DETAIL 1
SPECIAL LATERAL 'V' DITCH
(Not to Scale)

FROM STA. 22+00 TO STA. 22+71 -Y1- RT
FROM STA. 20+00 TO STA. 21+65 -Y1- LT

DETAIL 2
SPECIAL CUT DITCH
(Not to Scale)

FROM STA. 15+50 TO STA. 16+50 -Y1- RT

2015/2035 AVERAGE DAILY TRAFFIC

RIDGE ROAD
-Y1-
1,780 / 2,640

49,190 / 66,300 — 340 / 500 — 1,440 / 2,140 — 59,070 / 81,040

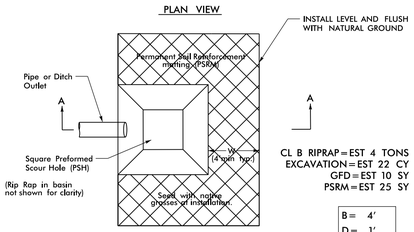
US 258 -L- — 560 / 780 — 9,340 / 13,880

9,900 / 14,660

BLUE CREEK ROAD
-Y2-

PREFORMED SCOUR HOLE
*NOT TO SCALE

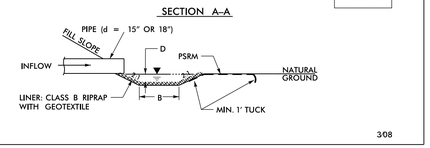
PLAN VIEW



CL B RIPRAP = EST 4 TONS
EXCAVATION = EST 22 CY
GFD = EST 10 SY
PSRM = EST 25 SY

B = 4'
D = 1'
W = 4'

SECTION A-A



STA. 25+73 -L- LT

NOTE:
SEE SHEET 2B-1 FOR DRIVEWAY DETAIL
SEE SHEET 5 FOR -Y1- PROFILE
SEE SHEET 5 FOR -L- PROFILE

PLANS PREPARED BY :
PARSONS
RALEIGH, NORTH CAROLINA, (919) 854-1345
NC LICENSE NO. F-0246
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

SUNGATE DESIGN GROUP, P.A.
915 JONES FRANKLIN ROAD
RALEIGH, NORTH CAROLINA 27606
TEL (919) 859-2243 FAX (919) 859-6258
ENG FIRM LICENSE NO. C-0490

PROJECT REFERENCE NO.	SHEET NO.
U-5719	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 37950 ENGINEER JASON M. WELLS
DocuSigned by: 20CE4B9D2F7F4A0...
6/9/2017

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 026971 ENGINEER JOSHUA C. BARTON
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6/9/2017

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