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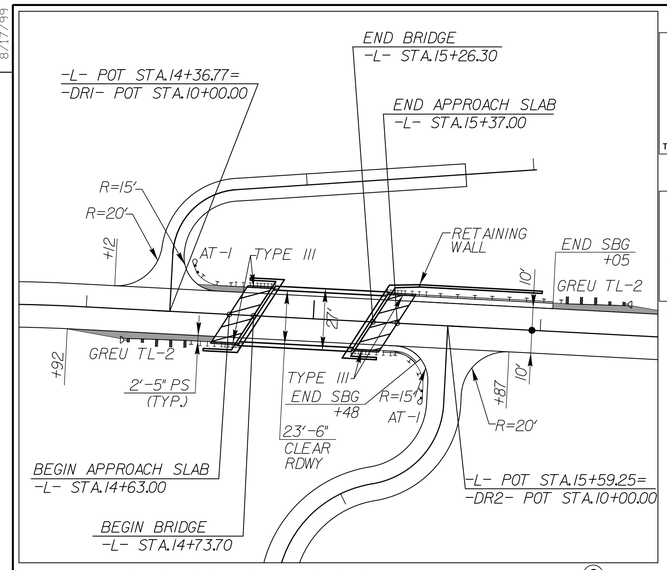

SKETCH SHOWING DIMENSION OF PAVEMENT AND SHOULDERS IN RELATION TO PROPOSED BRIDGE WIDTH

DETAIL A
SPECIAL CUT DITCH
(Not to Scale)

Natural Ground, 2:1, D, d, 4:1 or Flatter, Front Ditch Slope, Geotextile

Type of Liner= Class B Rip-Rap — Min. D= 1 Ft. Max. d= 1 Ft.

FROM -L- STA. 11+50 TO STA. 12+10 LT
FROM -L- STA. 14+50 TO STA. 15+00 LT
FROM -L- STA. 15+75 TO STA. 18+00 RT

DETAIL B
SPECIAL CUT DITCH
(Not to Scale)

Natural Ground, 2:1, D, 4:1 or Flatter, Front Ditch Slope

Min. D= 1 Ft.

FROM -L- STA. 18+00 TO STA. 19+50 RT

DETAIL C
RIP RAP AT EMBANKMENT
(Not to Scale)

10' min., 1.0' min., 18", Ditch Grade, GEOTEXTILE

Type of Liner= 14 TONS,CL I Rip-Rap (each)
Geotextile= 25 sy (each)

STA. 12+32 RT
STA. 15+00 LT
STA. 16+03 LT
STA. 18+16 LT

NAD 83/2011

-L- CURVE DATA

PI Sta 10+99.18	PI Sta 13+46.89	PI Sta 18+46.38
Δ = 9° 53' 37.7" (LT)	Δ = 8° 05' 22.6" (RT)	Δ = 37° 28' 15.5" (RT)
D = 5° 00' 00.0"	D = 8° 24' 48.5"	D = 22° 55' 05.9"
L = 197.88'	L = 96.15'	L = 163.50'
T = 99.18'	T = 48.16'	T = 84.79'
R = 1,145.92'	R = 681.00'	R = 250.00'
DS = EXISTING	DS = 30 MPH	DS = 30 MPH
	e= 3%	e= 4%
	Lr = 48'	Lr = 64'

PI Sta 20+44.44
Δ = 7° 16' 11.8" (RT)
D = 5° 43' 46.5"
L = 126.88'
T = 63.53'
R = 1,000.00'
DS = EXISTING

-DRI- CURVE DATA

PI Sta 10+51.83
Δ = 83° 13' 01.8" (RT)
D = 190° 59' 09.4"
L = 43.57'
T = 26.64'
R = 30.00'

-DR2- CURVE DATA

PI Sta 10+64.76	PI Sta 11+31.51
Δ = 77° 49' 31.7" (RT)	Δ = 85° 20' 32.3" (LT)
D = 152° 47' 19.5"	D = 114° 35' 29.6"
L = 50.94'	L = 74.48'
T = 30.27'	T = 46.09'
R = 37.50'	R = 50.00'

PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.177	4

R/W SHEET NO.

ROADWAY DESIGN ENGINEER 12/14/2021
HOLLY CHRISTENBURY, NORTH CAROLINA PROFESSIONAL SEAL 043139 ENGINEER
DocuSigned by: Holly Christenbury

HYDRAULICS ENGINEER 12/14/2021
VIDYA MOHANDAS, NORTH CAROLINA PROFESSIONAL SEAL 043232 ENGINEER
DocuSigned by: Vidya Mohandas

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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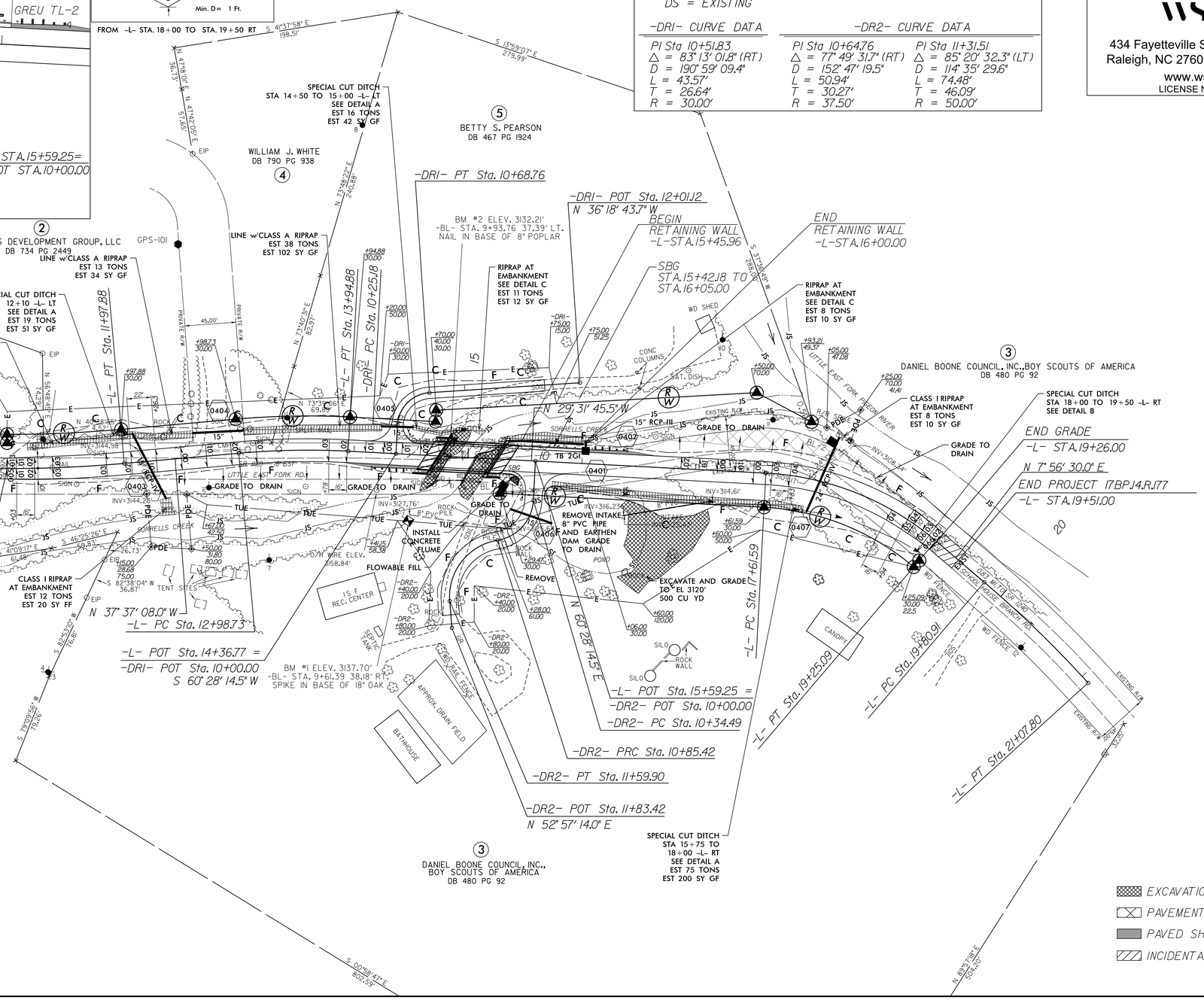

NOTES:
DO NOT DISTURB SILO'S DURING CONSTRUCTION.
REMOVE AND REPLACE FENCE TO BACK OF CUT DITCH IN SW QUADRANT.
SEE SHEET 5 FOR -L- PROFILE
SEE SHEET 5 FOR -DRI- PROFILE
SEE SHEET 5 FOR -DR2- PROFILE

REVISIONS

8/17/99

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