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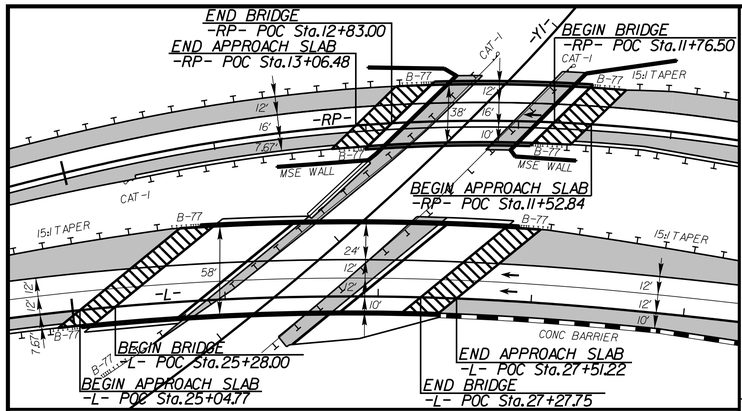
PROJECT REFERENCE NO.	SHEET NO.
B-5119	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER: NORTH CAROLINA PROFESSIONAL SEAL 033167 ENGINEER JAMES I. PACE — DocuSigned by: Jason Pace 12/2/2014 — 7FF73A34E03B47C...

HYDRAULICS ENGINEER: NORTH CAROLINA PROFESSIONAL SEAL 026480 ENGINEER LARRY R. ROBINSON, JR. — DocuSigned by: Larry Robinson 12/2/2014 — CE178297105643E...

Kimley»Horn



SKETCH SHOWING RELATIONSHIP OF BRIDGE TO PAVEMENT AND SHOULDERS

-L-

PI Sta.15+26.55	PIs Sta.17+92.75	PI Sta.23+48.64	PIs Sta.28+53.35
Δ = 6° 27' 04.7" (LT)	Θs = 2° 46' 38.4"	Δ = 28° 24' 16.9" (RT)	Θs = 3° 55' 43.9"
D = 2° 18' 53.9"	Θs = 3° 55' 46.2"	D = 3° 16' 26.6"	Ls = 240.00'
L = 278.68'	Ls = 240.00'	L = 867.57'	LT = 160.04'
T = 139.49'	LT = 127.00'	T = 442.89'	ST = 80.04'
R = 2,475.00'	ST = 113.27'	R = 1,750.00'	
DS = 60 MPH		DS = 60 MPH	
SE = EXIST		SE = 0.06	
RO = EXIST		RO = 240'	

-Y1-

PI Sta.11+73.31	PI Sta.16+06.10	PI Sta.20+11.46
Δ = 12° 28' 48.2" (LT)	Δ = 16° 15' 37.5" (LT)	Δ = 15° 50' 17.1" (LT)
D = 3° 36' 53.6"	D = 3° 08' 16.0"	D = 5° 23' 05.8"
L = 345.24'	L = 518.21'	L = 294.12'
T = 173.31'	T = 260.86'	T = 148.00'
R = 1,585.00'	R = 1,826.00'	R = 1,064.00'
DS = 50 MPH	DS = 50 MPH	DS = 50 MPH
SE = EXIST	SE = EXIST	SE = EXIST
RO = EXIST	RO = EXIST	RO = EXIST

-RP-

PIs Sta.9+37.34	PI Sta.12+15.74	PIs Sta.14+89.53
Θs = 5° 37' 31.5"	Δ = 21° 15' 42.2" (LT)	Θs = 5° 37' 31.5"
Ls = 216.00'	D = 5° 12' 31.3"	Ls = 216.00'
LT = 144.07'	L = 408.20'	LT = 144.07'
ST = 72.07'	T = 206.47'	ST = 72.07'
	R = 1,100.00'	
	DS = 50 MPH	
	SE = 0.06	
	RO = 216'	

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

Existing Ground; 2:1; D; 4:1 OR FLATTER; Fill Slope; Min. D= 1.0 Ft.

Type of Liner= None

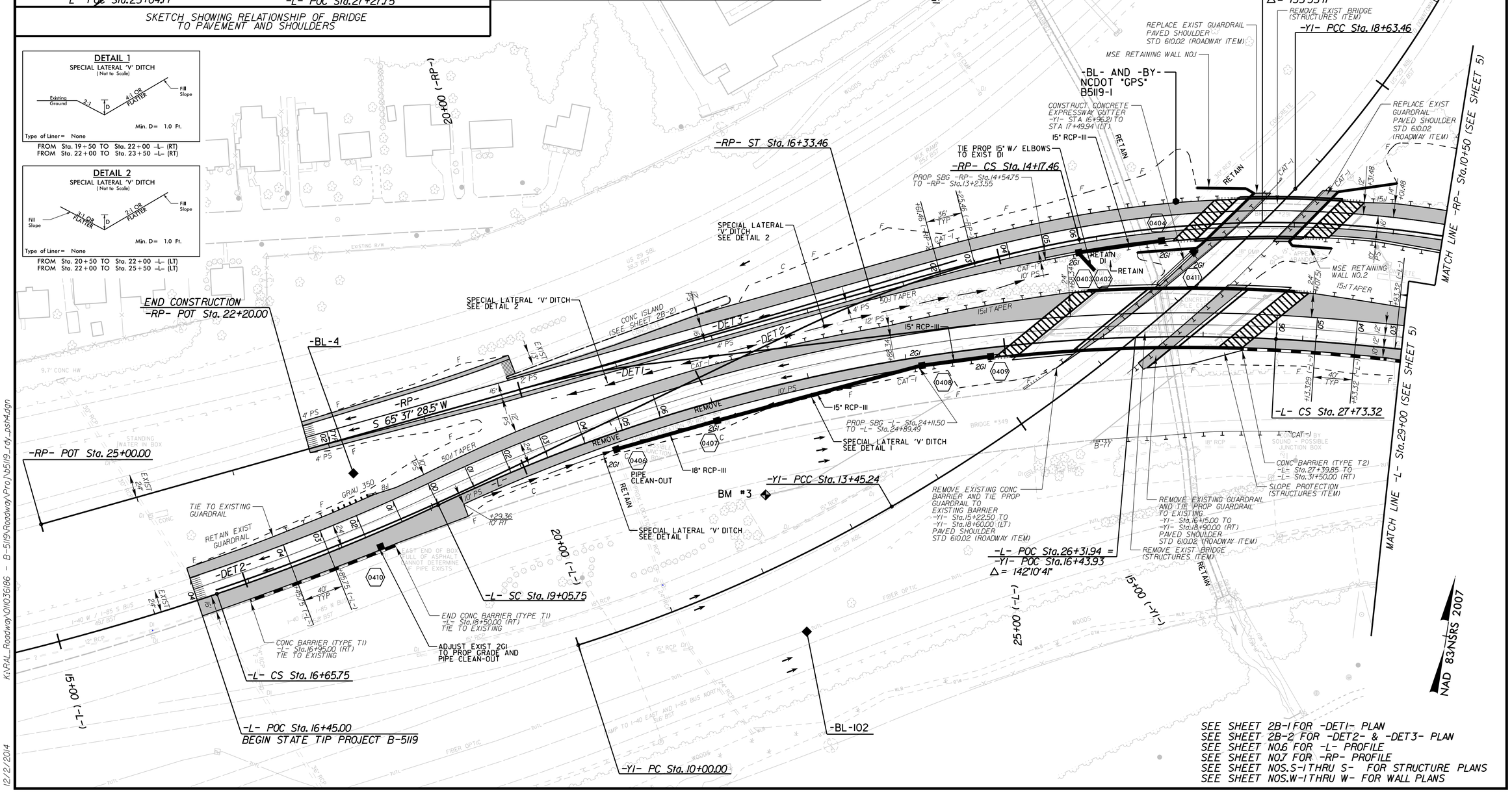
FROM Sta. 19+50 TO Sta. 22+00 -L- (RT)
FROM Sta. 22+00 TO Sta. 23+50 -L- (RT)

DETAIL 2
SPECIAL LATERAL 'V' DITCH
(Not to Scale)

Fill Slope; 2:1 OR FLATTER; D; 2:1 OR FLATTER; Fill Slope; Min. D= 1.0 Ft.

Type of Liner= None

FROM Sta. 20+50 TO Sta. 22+00 -L- (LT)
FROM Sta. 22+00 TO Sta. 25+50 -L- (LT)



SEE SHEET 2B-1 FOR -DET1- PLAN
SEE SHEET 2B-2 FOR -DET2- & -DET3- PLAN
SEE SHEET NO.6 FOR -L- PROFILE
SEE SHEET NO.7 FOR -RP- PROFILE
SEE SHEET NOS.S-1 THRU S- FOR STRUCTURE PLANS
SEE SHEET NOS.W-1 THRU W- FOR WALL PLANS

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12/2/2014