CR4

PROJECT REFERENCE NO.	SHEET NO.
I-0914BB	57
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
1/28/2015
COMMONWEALTH OF VIRGINIA — JAMES W. PARKER, JR. Lic.No. 041505 — PROFESSIONAL ENGINEER
DocuSigned by: James Parker

HYDRAULICS ENGINEER
1/28/2015
NORTH CAROLINA PROFESSIONAL SEAL 20147 ENGINEER FRANK F. FLEMING
DocuSigned by: Frank F Fleming

Prepared in the Office of: SUMMIT DESIGN AND ENGINEERING SERVICES — NC FIRM LICENSE No: P-0339 — 2024 Meadowlands Drive, Hillsborough, NC 27278 (919) 732-3883 (919) 732-6676 (FAX)

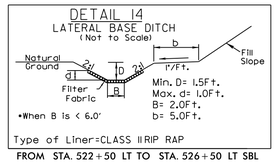
Prepared in the Office of: ECOLOGICAL ENGINEERING — NC FIRM LICENSE No: F-948 — 151 SE Cary Parkway, Suite 101, Cary, NC 27518 (919) 557-0929

FOR –NBL– & –SBL– PROFILE, SEE SHEET 96
FOR –CR4N/S– PROFILE, SEE SHEET 108

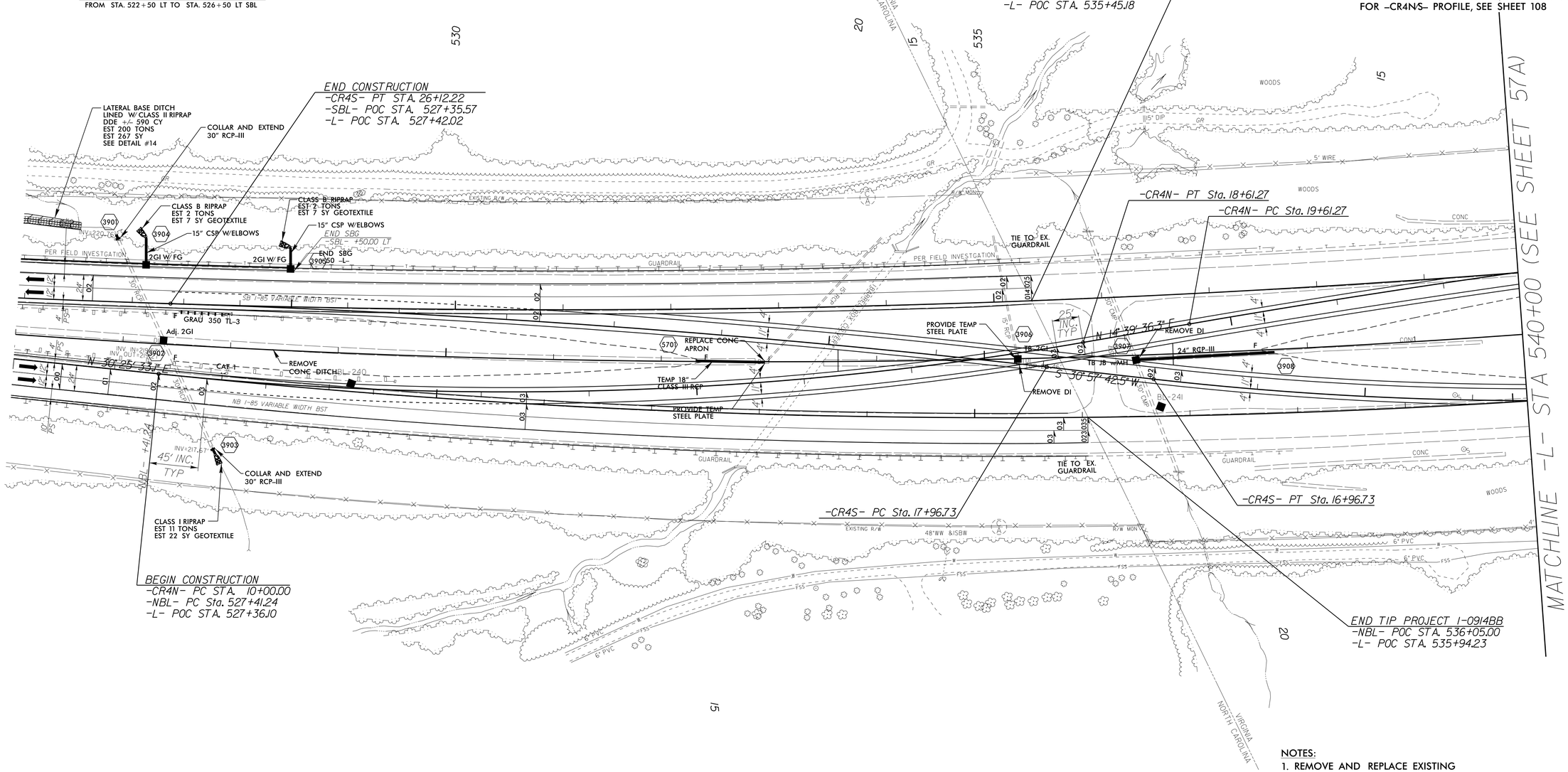
-CR4N-	
PI Sta 14+33.37	PI Sta 22+84.95
△ = 15° 45' 56.8" (LT)	△ = 3° 42' 28.2" (RT)
D = 1° 49' 49.9"	D = 0° 34' 22.6"
L = 861.27'	L = 647.14'
T = 433.37'	T = 323.68'
R = 3,130.00'	R = 10,000.00'
SE = 03	SE = NC
RO = 75'	RO = NA

-CR4S-	
PI Sta 22+04.70	PI Sta 13+49.81
△ = 4° 40' 20.7" (LT)	△ = 12° 45' 14.0" (RT)
D = 0° 34' 22.6"	D = 1° 49' 49.9"
L = 815.49'	L = 696.73'
T = 407.97'	T = 349.81'
R = 10,000.00'	R = 3,130.00'
SE = NC	SE = 03
RO = NA	RO = 75'

-L-	-NBL-	-SBL-
PI Sta 541+41.11	PI Sta 541+85.57	PI Sta 541+47.00
△ = 21° 36' 05.5" (LT)	△ = 21° 31' 14.8" (LT)	△ = 22° 03' 37.7" (LT)
D = 0° 35' 37.5"	D = 0° 45' 14.0"	D = 0° 29' 53.6"
L = 3,638.22'	L = 2,854.62'	L = 4,427.82'
T = 1,840.97'	T = 1,444.33'	T = 2,241.67'
R = 9,650.00'	R = 7,600.00'	R = 11,500.00'
DS = 70mph	SE = 03	SE = 02



FROM STA. 522+50 LT TO STA. 526+50 LT SBL



NOTES:

1. REMOVE AND REPLACE EXISTING GUARDRAIL AS SHOWN ON PLANS
2. REMOVE EXISTING CABLE GUIDERAIL
3. ALL PIPES AND DRAINAGE STRUCTURES ARE TO BE RETAINED UNLESS NOTED OTHERWISE
4. REMOVE EXISTING CONCRETE DITCH

REVISIONS

28-JAN-2015 12:06
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bradjohnson