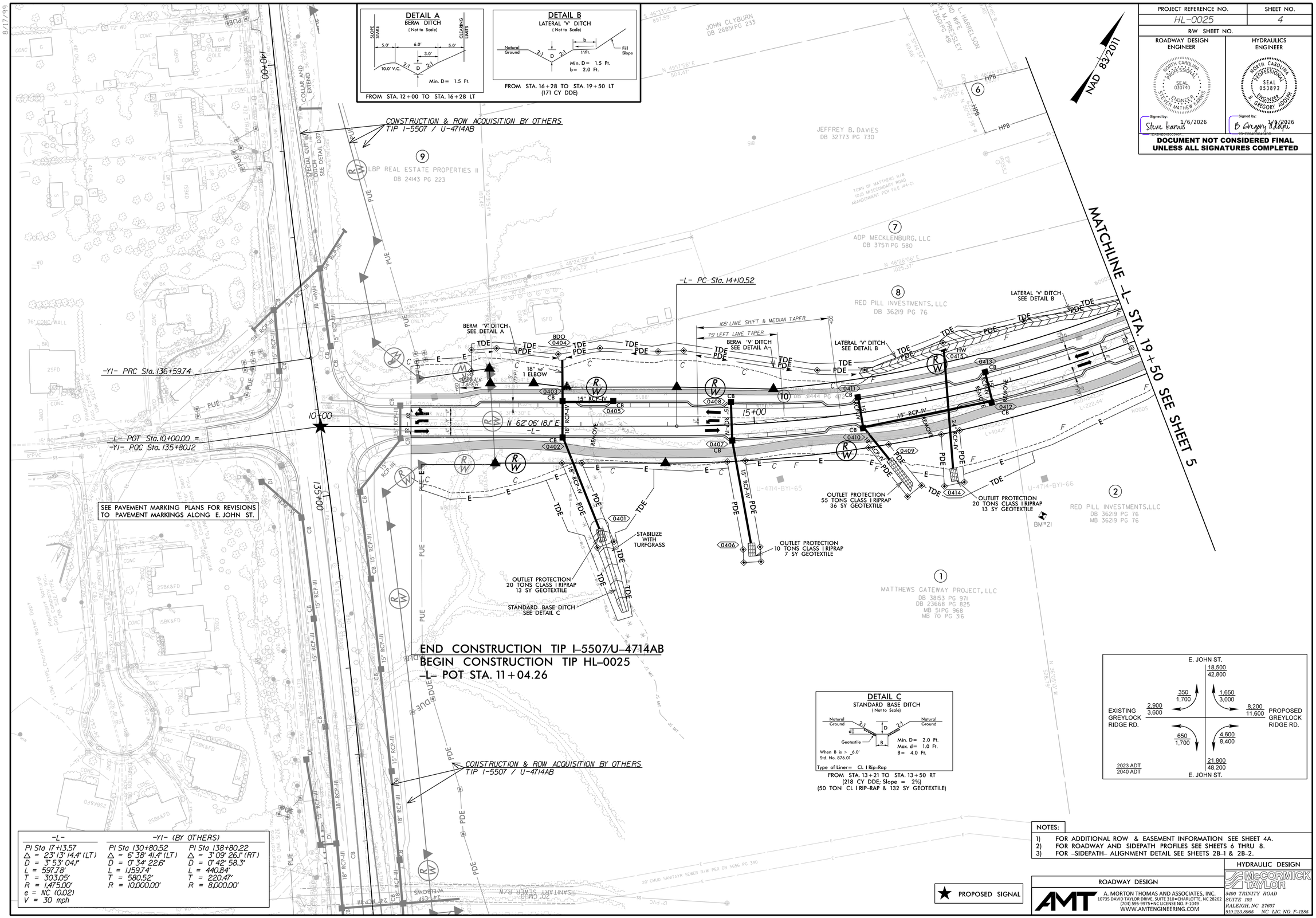
Docusign Envelope ID: 76A7D8E1-E3A7-4ACF-A1DB-120C265284A1

PROJECT REFERENCE NO.	SHEET NO.
HL-0025	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 030740 ENGINEER STEVEN MATHEW KARNIS
Signed by: Steve Karnis 1/6/2026

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 053892 ENGINEER B. GREGORY ADDUCCI
Signed by: B Gregory Adducci 1/6/2026

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



DETAIL A
BERM DITCH
(Not to Scale)

FROM STA. 12+00 TO STA. 16+28 LT

DETAIL B
LATERAL 'V' DITCH
(Not to Scale)

FROM STA. 16+28 TO STA. 19+50 LT
(171 CY DDE)

DETAIL C
STANDARD BASE DITCH
(Not to Scale)

Type of Liner= CL I Rip-Rap
FROM STA. 13+21 TO STA. 13+50 RT
(218 CY DDE; Slope = 2%)
(50 TON CL I RIP-RAP & 132 SY GEOTEXTILE)

-L-	-Y1- (BY OTHERS)	
PI Sta 17+13.57	PI Sta 130+80.52	PI Sta 138+80.22
△ = 23° 13' 14.4" (LT)	△ = 6° 38' 41.4" (LT)	△ = 3° 09' 26.1" (RT)
D = 3° 53' 04.1"	D = 0° 34' 22.6"	D = 0° 42' 58.3"
L = 597.78'	L = 1,159.74'	L = 440.84'
T = 303.05'	T = 580.52'	T = 220.47'
R = 1,475.00'	R = 10,000.00'	R = 8,000.00'
e = NC (0.02)		
V = 30 mph		

NOTES:
1) FOR ADDITIONAL ROW & EASEMENT INFORMATION SEE SHEET 4A.
2) FOR ROADWAY AND SIDEPATH PROFILES SEE SHEETS 6 THRU 8.
3) FOR -SIDEPATH- ALIGNMENT DETAIL SEE SHEETS 2B-1 & 2B-2.

★ PROPOSED SIGNAL

ROADWAY DESIGN
AMT
A. MORTON THOMAS AND ASSOCIATES, INC.
10735 DAVID TAYLOR DRIVE, SUITE 310 • CHARLOTTE, NC 28262
(704) 595-9975 • NC LICENSE NO. F-1049
WWW.AMTENGINEERING.COM

HYDRAULIC DESIGN
McCORMICK TAYLOR
5400 TRINITY ROAD
SUITE 102
RALEIGH, NC 27607
919.223.8965 NC LIC. NO. F-1285