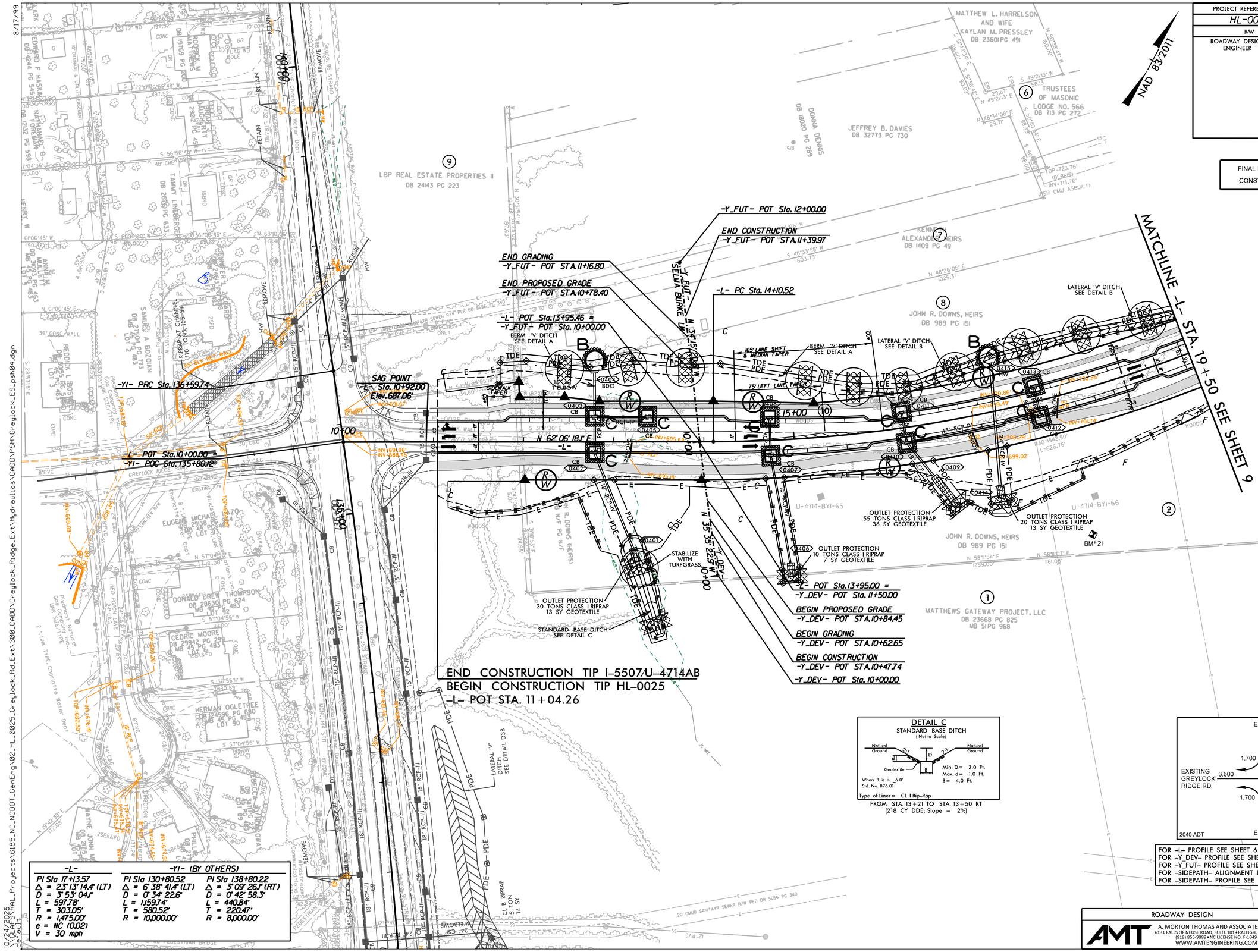
PROJECT REFERENCE NO.	SHEET NO.
HL-0025	EC-6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL EROSION CONTROL DESIGN FOR CONSTRUCTION SHEET 4



-L-	-Y1- (BY OTHERS)	
PI Sta 17+13.57	PI Sta 130+80.52	PI Sta 138+80.22
Δ = 23°13'14.4" (LT)	Δ = 6°38'41.4" (LT)	Δ = 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		

DETAIL C
STANDARD BASE DITCH
(Not to Scale)

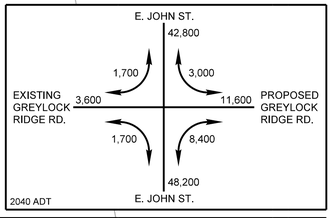
Natural Ground — 2:1 — D — 2:1 — Natural Ground
d — Geotextile — B

Min. D = 2.0 Ft.
Max. d = 1.0 Ft.
B = 4.0 Ft.

When B is > 6.0'
Std. No. 876.01

Type of Liner = CL I Rip-Rap

FROM STA. 13+21 TO STA. 13+50 RT
(218 CY DDE; Slope = 2%)



FOR -L- PROFILE SEE SHEET 6.
FOR -Y_DEV- PROFILE SEE SHEET 6.
FOR -Y_FUT- PROFILE SEE SHEET 6.
FOR -SIDEPATH- ALIGNMENT DETAIL SEE SHEETS 2B-1 & 2B-2.
FOR -SIDEPATH- PROFILE SEE SHEET 8.

ROADWAY DESIGN
AMT
A. MORTON THOMAS AND ASSOCIATES, INC.
6131 FALLS OF NEUSE ROAD, SUITE 101 • RALEIGH, NC 27609
(919) 855-9989 • 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

8/17/99
10/24/2025
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