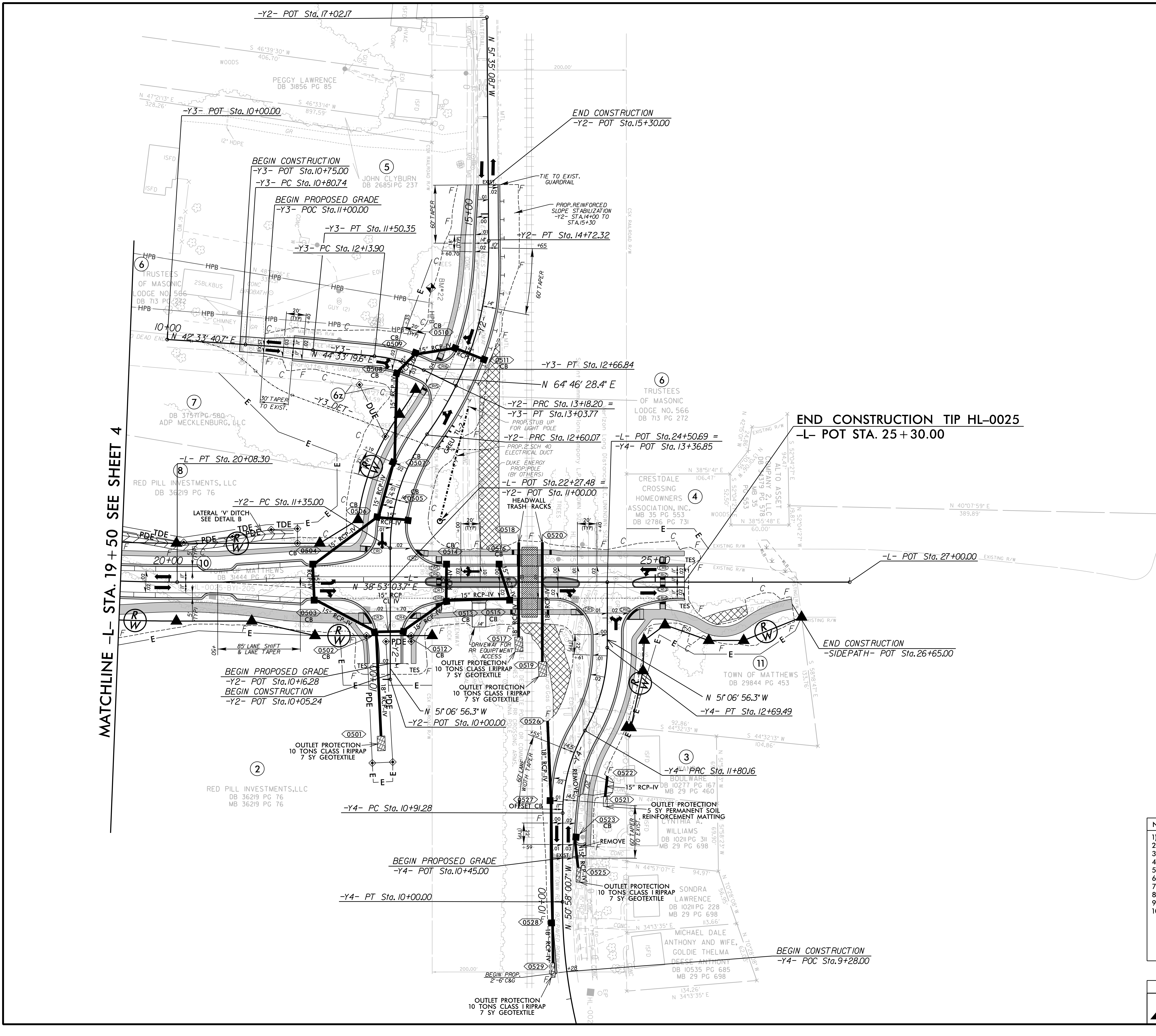
8/17/99

PROJECT REFERENCE NO.	SHEET NO.
HL-0025	5
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
SEAL 030740 STEVEN MATHEW KARNIS	SEAL 053892 B. GREGORY ADOLPH
Signed by: Steve Karnis 1/6/2026 1DAB4E64B00546F...	Signed by: B Gregory Adolph 1/6/2026 7B1E204CBC454DB...

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



-L-

PI Sta 17+13.57
△ = 23° 13' 14.4" (LT)
D = 3° 53' 04.1"
L = 597.78'
T = 303.05'
R = 1,475.00'
e = NC (0.02)
V = 30 mph

-Y2-

PI Sta 11+99.66
△ = 35° 49' 51.8" (RT)
D = 28° 38' 52.4"
L = 125.07'
T = 64.66'
R = 200.00'
e = NC (0.02)
V = 25 mph

PI Sta 13+69.90
△ = 36° 18' 03.6" (LT)
D = 17° 06' 11.6"
L = 212.25'
T = 109.82'
R = 335.00'
e = NC (0.02)
V = 30 mph

-Y4-

PI Sta 9+25.47
△ = 15° 37' 34.0" (RT)
D = 10° 25' 02.7"
L = 150.00'
T = 75.47'
R = 550.00'

PI Sta 11+36.76
△ = 29° 57' 25.0" (RT)
D = 33° 42' 12.2"
L = 88.88'
T = 45.48'
R = 170.00'
e = NC (0.02)
V = 25 mph

PI Sta 12+25.88
△ = 30° 06' 20.6" (LT)
D = 33° 42' 12.2"
L = 89.33'
T = 45.72'
R = 170.00'
e = NC (0.02)
V = 25 mph

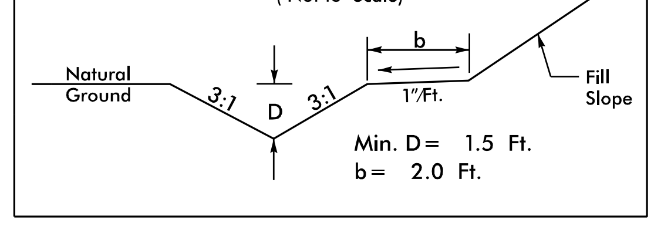
-Y3-

PI Sta 11+15.54
△ = 1° 59' 38.9" (RT)
D = 2° 51' 53.2"
L = 69.61'
T = 34.81'
R = 2,000.00'

PI Sta 12+40.65
△ = 20° 13' 08.7" (RT)
D = 38° 11' 49.9"
L = 52.93'
T = 26.74'
R = 150.00'
e = RC (0.02)
V = 20 mph

DETAIL B

LATERAL 'V' DITCH
(Not to Scale)

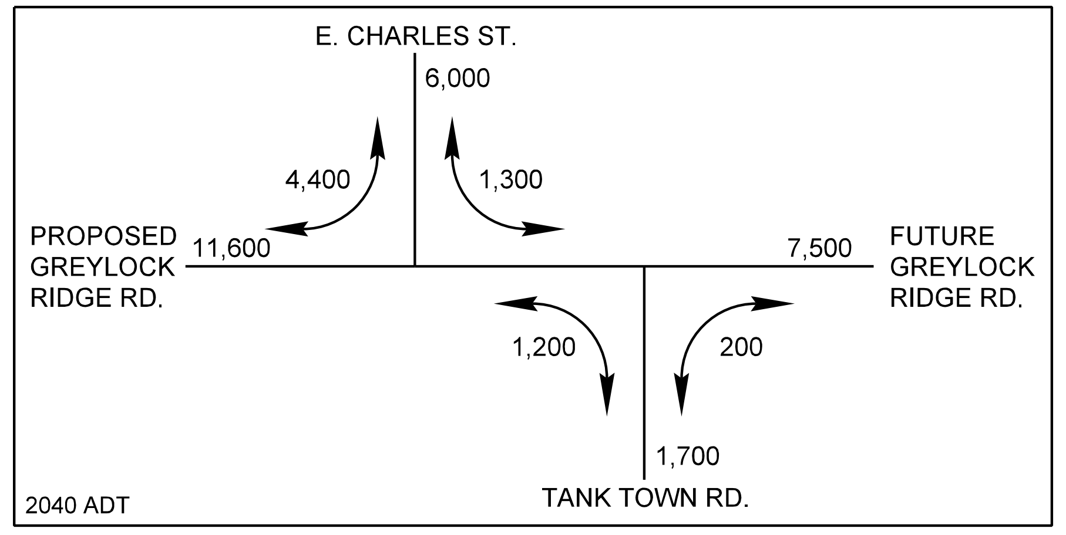


Min. D = 1.5 Ft.
b = 2.0 Ft.

FROM STA. 19+50 TO STA. 21+28 LT
(39 CY DDE)

▨ PAVEMENT REMOVAL

NOTE: ALL DRIVEWAY RADII 10 FT UNLESS OTHERWISE NOTED.



NOTES:

1) FOR ADDITIONAL ROW & EASEMENT INFORMATION SEE SHEET 5A.
2) FOR ROADWAY AND SIDEPATH PROFILES SEE SHEETS 6 THRU 8.
3) FOR –SIDEPATH– ALIGNMENT DETAIL SEE SHEETS 2B–1 & 2B–2.
4) FOR –Y3_DET– SEE SHEET 2B–3.
5) FOR INTERSECTION DETAILS SEE SHEET 2B–4.
6) FOR –L– MEDIAN DETAILS SEE SHEET 2B–4.
7) FOR HEADWALL TRACK RACK DETAIL SEE SHEET 2B–12.
8) FOR RAILROAD CROSSING DETAIL SEE SHEET 2B–14 & 2B–15.
9) FOR CONDUIT DETAIL SEE SHEET 2B–11.
10) TOP OF RAIL ELEVATIONS SHALL BE CHECKED AND VERIFIED TO MATCH PLAN SET BEFORE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF CSX. FIELD VERIFY TOP OF RAIL ELEVATIONS POST NEW CROSSING PANEL INSTALLATION. CONTRACTOR TO FIELD ADJUST PROFILE AT DIRECTION OF ENGINEER AT TIE–INS TO THE NEW CROSSING SURFACE PANEL AS THE ELEVATION MAY CHANGE.

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