

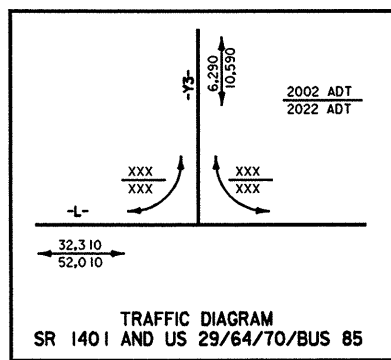
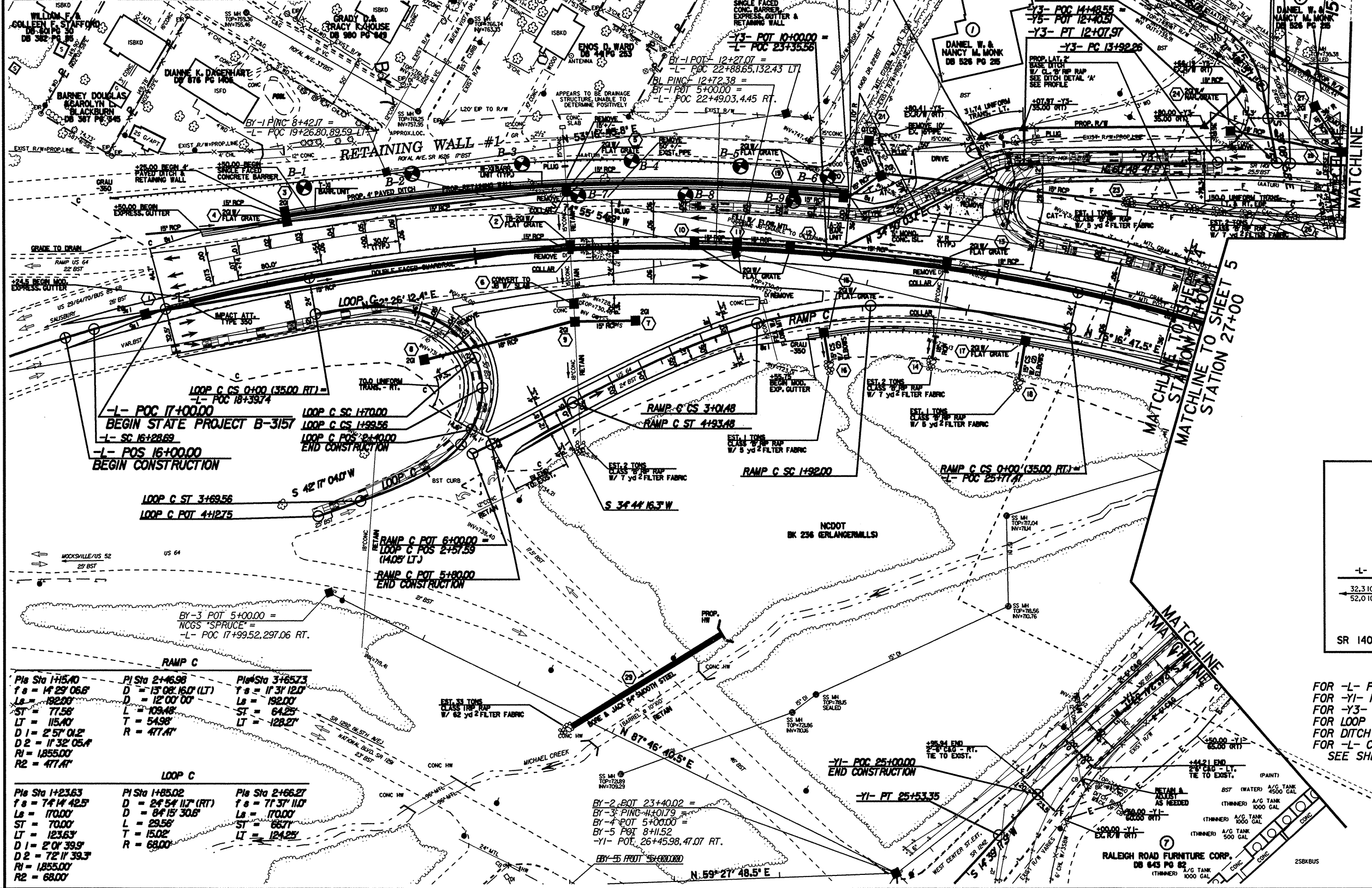


PROJECT REFERENCE NO. B-3157	SHEET NO. 4
HYDRAULICS ENGINEER	HIGHWAY DESIGN ENGINEER
PRELIMINARY PLANS	
DO NOT USE FOR R/W ACQUISITION	
INCOMPLETE PLANS	
DO NOT USE FOR CONSTRUCTION	

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "LUMBER" WITH NAD 83 STATE PLANE GRID COORDINATES OF NORTHING: 760812.4548(1) EASTING: 1625958.2573(1) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99989180 THE N.C. LAMBERT GRID BEARING LOCALIZED HORIZONTAL GROUND DISTANCE FROM "LUMBER" TO -L- STATION 17+00.00 IS S 76° 56' 53.4" W 2252.39' ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NGVD 29

Pile Sta 14+68.96 $f s = 7' 18" 32.4"$ $L s = 480.00'$ $ST = 160.25'$ $LT = 320.27'$	Pile Sta 22+22.47 $D = 34' 52" 55.7" (RT)$ $D = 03' 07" 53.5"$ $L = 1150.65'$ $T = 593.78'$ $R = 1850.00'$ $S e = 0.06$	Pile Sta 29+39.58 $f s = 7' 18" 32.4"$ $L s = 480.00'$ $ST = 160.25'$ $LT = 320.27'$	Pile Sta 11+92.38 $D = 25' 58" 44.3" (RT)$ $D = 8' 57" 04.0"$ $L = 317.4'$ $T = 161.5'$ $R = 1850.00'$ $S e = NC$	Pile Sta 14+26.76 $D = 02' 43" 33.8" (RT)$ $D = 04' 00" 00"$ $L = 68.98'$ $T = 34.50'$ $R = 1432.39'$ $S e = NC$	Pile Sta 11+34.55 $D = 45' 25" 50.2" (RT)$ $D = 7' 37" 11.0"$ $L = 67.82'$ $T = 35.98'$ $R = 80.00'$ N/A
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FOR -L- PROFILE, SEE SHEETS 6 & 7
 FOR -Y3- PROFILE, SEE SHEET 7
 FOR -Y5- PROFILE, SEE SHEET 8
 FOR LOOP C & RAMP C PROFILES, SEE SHEET 9
 FOR DITCH DETAILS, SEE SHEET 2-1
 FOR -L- CROSS-OVERS & RAMP C DETOUR, SEE SHEETS 2-K THRU 2-M

Pile Sta 1+15.40 $f s = 14' 29" 06.8"$ $L s = 192.00'$ $ST = 77.58'$ $LT = 115.40'$ $D 1 = 2' 57" 01.2"$ $D 2 = 17' 32" 05.4"$ $R 1 = 1855.00'$ $R 2 = 477.4'$	Pile Sta 2+46.98 $D = 15' 08" 16.0" (LT)$ $D = 12' 00" 00"$ $L = 109.48'$ $T = 54.98'$ $R = 477.4'$	Pile Sta 3+165.73 $f s = 11' 31" 12.0"$ $L s = 192.00'$ $ST = 64.25'$ $LT = 128.27'$
Pile Sta 1+23.63 $f s = 74' 14" 42.5"$ $L s = 170.00'$ $ST = 70.00'$ $LT = 123.63'$ $D 1 = 2' 01" 39.9"$ $D 2 = 72' 11" 39.3"$ $R 1 = 1855.00'$ $R 2 = 68.00'$	Pile Sta 1+85.02 $D = 24' 54" 11.7" (RT)$ $D = 84' 15" 30.6"$ $L = 29.58'$ $T = 15.02'$ $R = 68.00'$	Pile Sta 2+166.27 $f s = 71' 37" 11.0"$ $L s = 170.00'$ $ST = 68.71'$ $LT = 124.25'$

DATE: 8/11/08