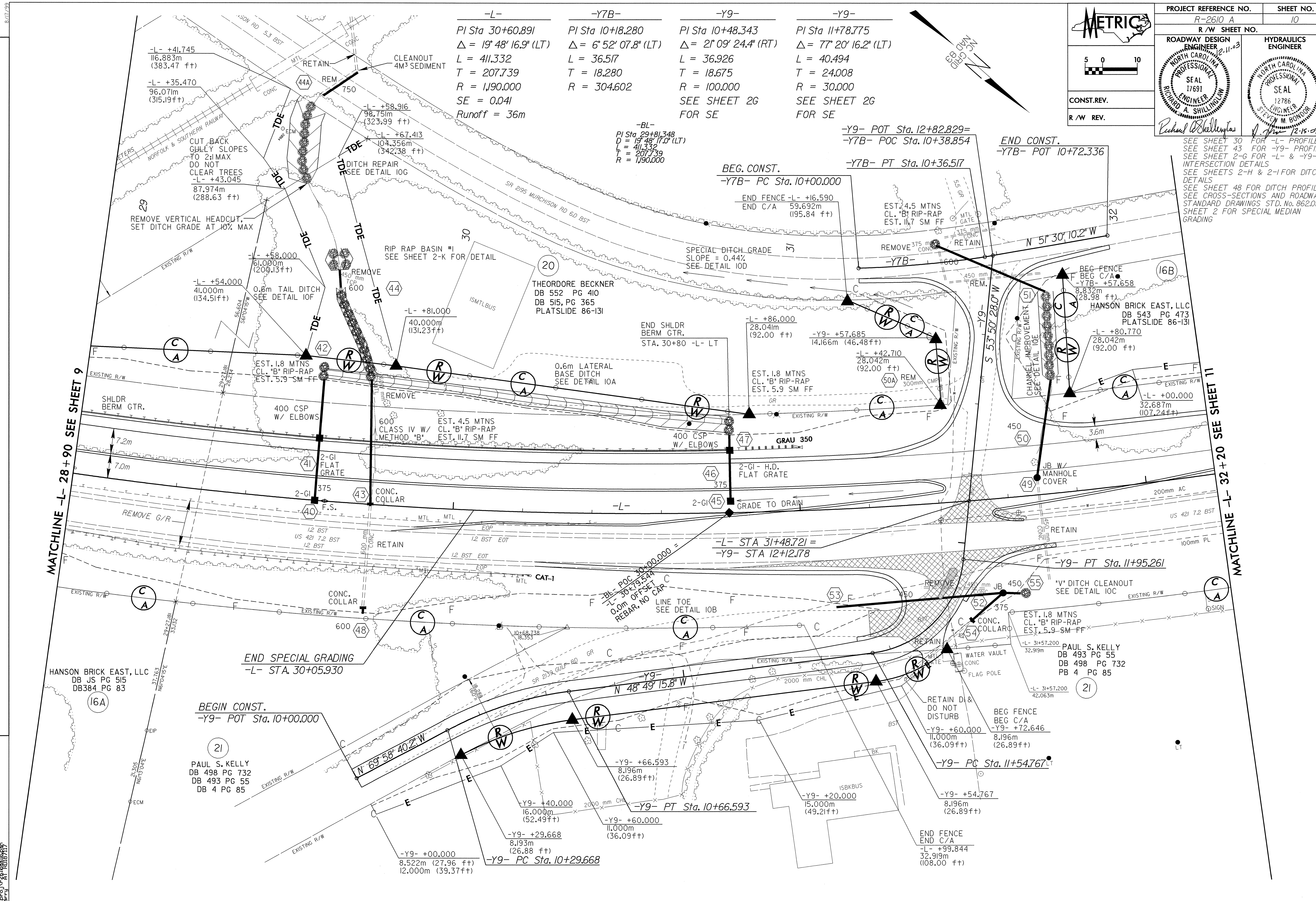
PROJECT REFERENCE NO. R-2610 A
SHEET NO. 10
R/W SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 17691 ENGINEER RICHARD A. SHILLINGLAW 12-11-03
NORTH CAROLINA PROFESSIONAL SEAL 12786 ENGINEER STEVEN M. BONDOR 12.15.03
METRIC
CONST.REV.
R/W REV.
NC GRID NAD 83
SEE SHEET 30 FOR -L- PROFILE
SEE SHEET 43 FOR -Y9- PROFILE
SEE SHEET 2-G FOR -L- & -Y9- INTERSECTION DETAILS
SEE SHEETS 2-H & 2-I FOR DITCH DETAILS
SEE SHEET 48 FOR DITCH PROFILES
SEE CROSS-SECTIONS AND ROADWAY STANDARD DRAWINGS STD. No. 862.01 SHEET 2 FOR SPECIAL MEDIAN GRADING
-L- PI Sta 30+60.891 Δ = 19° 48' 16.9" (LT) L = 411.332 T = 207.739 R = 1,190.000 SE = 0.041 Runoff = 36m
-Y7B- PI Sta 10+18.280 Δ = 6° 52' 07.8" (LT) L = 36.517 T = 18.280 R = 304.602
-Y9- PI Sta 10+48.343 Δ = 21° 09' 24.4" (RT) L = 36.926 T = 18.675 R = 100.000 SEE SHEET 2G FOR SE
-Y9- PI Sta 11+78.775 Δ = 77° 20' 16.2" (LT) L = 40.494 T = 24.008 R = 30.000 SEE SHEET 2G FOR SE
-BL- PI Sta 29+81.348 D = 19° 48' 17.0" (LT) L = 411.332 T = 207.739 R = 1,190.000
MATCHLINE -L- 28+90 SEE SHEET 9
MATCHLINE -L- 32+20 SEE SHEET 11
REVISIONS
8/17/99
-L- +41.745 116.883m (383.47 ft)
-L- +35.470 96.071m (315.19ft)
CUT BACK GULLY SLOPES TO 2:1 MAX DO NOT CLEAR TREES
-L- +43.045 87.974m (288.63 ft)
REMOVE VERTICAL HEADCUT, SET DITCH GRADE AT 10% MAX
NORFOLK & SOUTHERN RAILWAY
RETAIN
REM 750
44A
CLEANOUT 4M³ SEDIMENT
-L- +58.916 98.751m (323.99 ft)
-L- +67.413 104.356m (342.38 ft)
DITCH REPAIR SEE DETAIL 10G
TDE
SR 2195 MURCHISON RD 6.0 BST
RIP RAP BASIN #1 SEE SHEET 2-K FOR DETAIL
REMOVE 450 mm TCP 600
44
-L- +58.000 61.000m (200.13ft)
-L- +54.000 41.000m (134.51ft)
0.6m TAIL DITCH SEE DETAIL 10F
-L- +81.000 40.000m (131.23ft)
20
THEORDORE BECKNER DB 552 PG 410 DB 515, PG 365 PLATSLIDE 86-131
ISMTLBUS
EST. 1.8 MTNS CL. "B" RIP-RAP EST. 5.9 SM FF
42
SHLDR BERM GTR.
400 CSP W/ ELBOWS
600 CLASS IV W/ METHOD "B"
EST. 4.5 MTNS CL. "B" RIP-RAP EST. 11.7 SM FF
REMOVE
0.6m LATERAL BASE DITCH SEE DETAIL 10A
END SHLDR BERM GTR. STA. 30+80 -L- LT
-L- +86.000 28.041m (92.00 ft)
EST. 1.8 MTNS CL. "B" RIP-RAP EST. 5.9 SM FF
400 CSP W/ ELBOWS
47
GRAU 350
2-GI FLAT GRATE 41
2-GI 375 40 F.S.
43 CONC. COLLAR
2-GI - H.D. FLAT GRATE 46 375
2-GI 45 GRADE TO DRAIN
-L-
7.2m 7.0m
REMOVE G/R
1.2 BST US 421 7.2 BST 1.2 BST
RETAIN
EOP 1.2 BST EOT
CAT-1
CONC. COLLAR
600 48
END SPECIAL GRADING -L- STA. 30+05.930
-BL- POC 30+00.000 = -L- 30+79.544 0.0m OFFSET REBAR, NO CAP
LINE TOE SEE DETAIL 10B
-L- STA 31+48.721 = -Y9- STA 12+12.178
HANSON BRICK EAST, LLC DB JS PG 515 DB384 PG 83
16A
BEGIN CONST. -Y9- POT Sta. 10+00.000
21
PAUL S. KELLY DB 498 PG 732 DB 493 PG 55 DB 4 PG 85
N 69° 58' 40.2" W
SR 2138 GULF RD
-Y9- N 48° 49' 15.8" W
2000 mm CHL
-Y9- +00.000 8.522m (27.96 ft) 12.000m (39.37ft)
-Y9- PC Sta. 10+29.668
-Y9- +29.668 8.193m (26.88 ft)
-Y9- +40.000 16.000m (52.49ft)
-Y9- +60.000 11.000m (36.09ft)
-Y9- +66.593 8.196m (26.89ft)
-Y9- PT Sta. 10+66.593
-Y9- +20.000 15.000m (49.21ft)
ISBKBUS
BEG. CONST. -Y7B- PC Sta. 10+00.000
END FENCE END C/A -L- +16.590 59.692m (195.84 ft)
SPECIAL DITCH GRADE SLOPE = 0.44% SEE DETAIL 10D
-Y9- POT Sta. 12+82.829= -Y7B- POC Sta. 10+38.854
-Y7B- PT Sta. 10+36.517
END CONST. -Y7B- POT 10+72.336
EST. 4.5 MTNS CL. "B" RIP-RAP EST. 11.7 SM FF
MTL GATE
375 mm CONC RETAIN
REMOVE 375 mm CONC
N 51° 30' 10.2" W
-Y7B-
450 mm CONC REM.
-Y9- +57.685 14.166m (46.48ft)
-L- +42.710 28.042m (92.00 ft)
50A REM 300mm CMP
-Y9- S 53° 50' 28.0" W
51 CHANNEL IMPROVEMENT SEE DETAIL 10E
BEG FENCE BEG C/A -Y7B- +57.658 8.832m (28.98 ft)
16B
HANSON BRICK EAST, LLC DB 543 PG 473 PLATSLIDE 86-131
-L- +80.770 28.042m (92.00 ft)
-L- +00.000 32.687m (107.24ft)
3.6m
450 50
JB W/ MANHOLE COVER 49
200mm AC
US 421 7.2 BST
450 mm CONC RETAIN
100mm PL
-Y9- PT Sta. 11+95.261
REMOVE 450 mm CONC
JB 450 55
53 450 52
375
"V" DITCH CLEANOUT SEE DETAIL 10C
CONC. COLLAR 54
EST. 1.8 MTNS CL. "B" RIP-RAP EST. 5.9 SM FF
RETAIN
WATER VAULT CONC FLAG POLE
-L- 31+57.200 32.919m
-L- 31+57.200 42.063m
PAUL S. KELLY DB 493 PG 55 DB 498 PG 732 PB 4 PG 85
21
RETAIN DI & DO NOT DISTURB
-Y9- +60.000 11.000m (36.09ft)
BEG FENCE BEG C/A -Y9- +72.646 8.196m (26.89ft)
-Y9- PC Sta. 11+54.767
-Y9- +54.767 8.196m (26.89ft)
END FENCE END C/A -L- +99.844 32.919m (108.00 ft)
EXISTING R/W
04-NOV-2003 11:23 R:\proj\r2610a\r2610a_rdy_psh10.dgn abarry AT RD187117