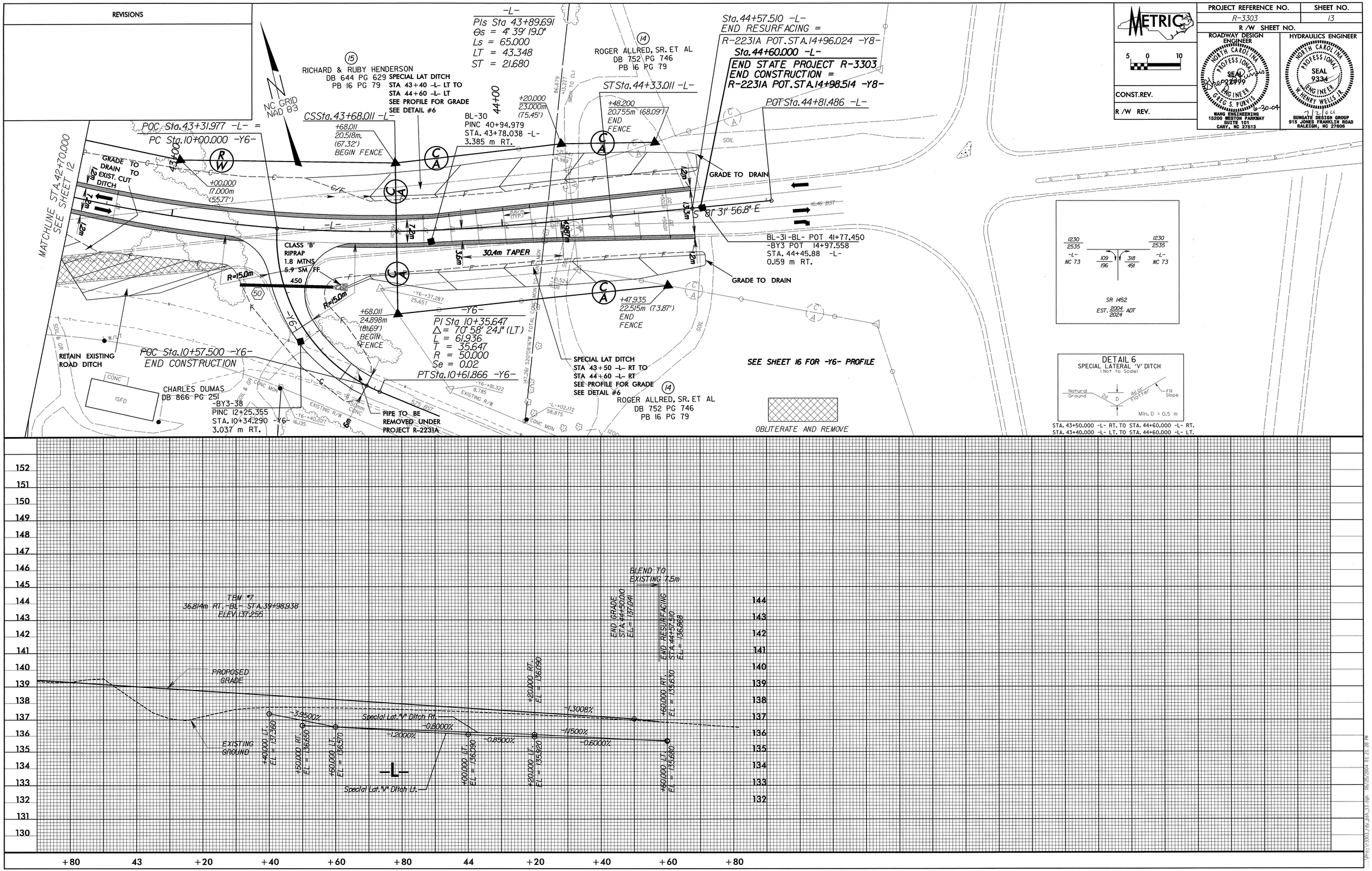

REVISIONS
METRIC
PROJECT REFERENCE NO.
R-3303
SHEET NO.
13
R/W SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
CONST.REV.
R/W REV.
WANG ENGINEERING
15200 WESTON PARKWAY
SUITE 101
CARY, NC 27513
SUNGATE DESIGN GROUP
915 JONES FRANKLIN ROAD
RALEIGH, NC 27606
-L-
PIs Sta 43+89.691
Θs = 4° 39' 19.0"
Ls = 65.000
LT = 43.348
ST = 21.680
Sta.44+57.510 -L-
END RESURFACING =
R-2231A POT.STA.14+96.024 -Y8-
Sta.44+60.000 -L-
END STATE PROJECT R-3303
END CONSTRUCTION =
R-2231A POT.STA.14+98.514 -Y8-
POT Sta.44+81.486 -L-
ROGER ALLRED, SR. ET AL
DB 752 PG 746
PB 16 PG 79
RICHARD & RUBY HENDERSON
DB 644 PG 629
PB 16 PG 79
SPECIAL LAT DITCH
STA 43+40 -L- LT TO
STA 44+60 -L- LT
SEE PROFILE FOR GRADE
SEE DETAIL #6
NC GRID NAD 83
CS Sta.43+68.011 -L-
POC Sta.43+31.977 -L- =
PC Sta.10+00.000 -Y6-
BL-30
PINC 40+94.979
STA. 43+78.038 -L-
3.385 m RT.
ST Sta.44+33.011 -L-
GRADE TO DRAIN
MATCHLINE STA.42+70.000
SEE SHEET 12
GRADE TO DRAIN TO EXIST. CUT DITCH
CLASS 'B' RIPRAP
1.8 MTNS
5.9 SM FF
30.4m TAPER
BL-31-BL- POT 41+77.450
-BY3 POT 14+97.558
STA. 44+45.88 -L-
0.159 m RT.
GRADE TO DRAIN
-Y6-
PI Sta 10+35.647
Δ = 70° 58' 24.1" (LT)
L = 61.936
T = 35.647
R = 50.000
Se = 0.02
PT Sta.10+61.866 -Y6-
POC Sta.10+57.500 -Y6-
END CONSTRUCTION
RETAIN EXISTING ROAD DITCH
CHARLES DUMAS
DB 866 PG 251
-BY3-38
PINC 12+25.355
STA. 10+34.290 -Y6-
3.037 m RT.
PIPE TO BE REMOVED UNDER PROJECT R-2231A
SPECIAL LAT DITCH
STA 43+50 -L- RT TO
STA 44+60 -L- RT
SEE PROFILE FOR GRADE
SEE DETAIL #6
ROGER ALLRED, SR. ET AL
DB 752 PG 746
PB 16 PG 79
SEE SHEET 16 FOR -Y6- PROFILE
OBLITERATE AND REMOVE
SR 1452
EST. 2004 ADT
DETAIL 6
SPECIAL LATERAL 'V' DITCH
(Not to Scale)
Natural Ground
Fill Slope
Min. D = 0.5 m
STA. 43+50.000 -L- RT. TO STA. 44+60.000 -L- RT.
STA. 43+40.000 -L- LT. TO STA. 44+60.000 -L- LT.
TBM #7
36.814m RT.-BL- STA.39+98.938
ELEV.137.255
BLEND TO EXISTING 7.5m
END GRADE
STA.44+50.010
EL = 137.041
END RESURFACING
STA.44+57.510
EL = 136.868
PROPOSED GRADE
EXISTING GROUND
Special Lat."V" Ditch Rt.
Special Lat."V" Ditch Lt.
-L-
+40.000 LT. EL = 137.360
+50.000 RT. EL = 136.650
+60.000 LT. EL = 136.570
+00.000 LT. EL = 136.090
+20.000 LT. EL = 135.920
+20.000 RT. EL = 136.090
+60.000 RT. EL = 135.630
+60.000 LT. EL = 135.680
-3.9500%
-1.2000%
-0.8000%
-0.8500%
-1.3008%
-1.1500%
-0.6000%
152
151
150
149
148
147
146
145
144
143
142
141
140
139
138
137
136
135
134
133
132
131
130
+80
43
+20
+40
+60
+80
44
+20
+40
+60
+80