PROJECT REFERENCE NO.	SHEET NO.
17BP.8.R.113	EC-5/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN WHERE APPLICABLE

-L-

PI Sta 10+98.28
△ = 12° 18' 32.1" (LT)
D = 6° 21' 58.3"
L = 193.35'
T = 97.05'
R = 900.00'

PI Sta 13+21.85
△ = 2° 08' 08.7" (LT)
D = 0° 56' 21.4"
L = 227.38'
T = 113.71'
R = 6,100.00'
SE = RC
DS = 55 MPH

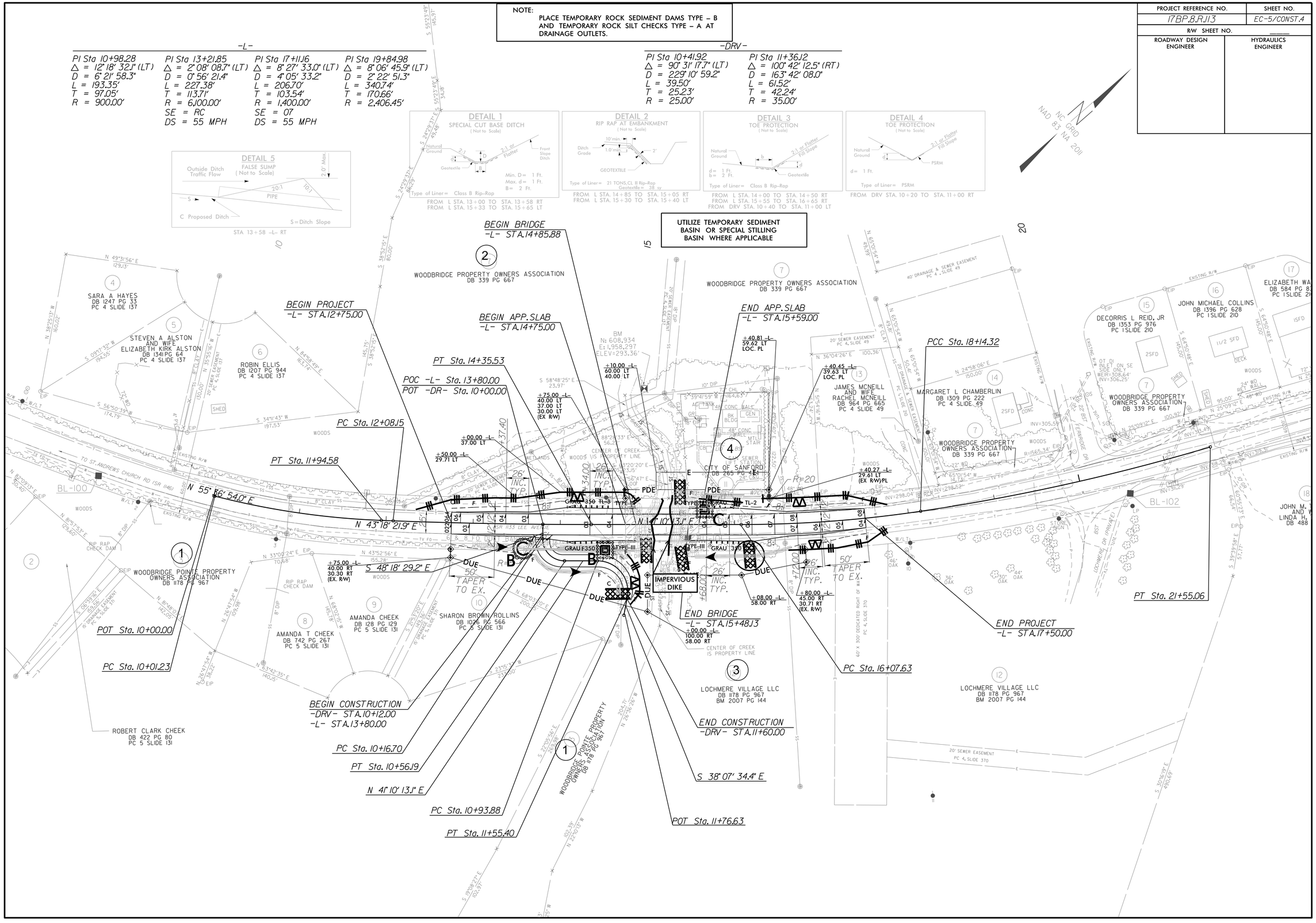
PI Sta 17+11.16
△ = 8° 27' 33.0" (LT)
D = 4° 05' 33.2"
L = 206.70'
T = 103.54'
R = 1,400.00'
SE = 07
DS = 55 MPH

PI Sta 19+84.98
△ = 8° 06' 45.9" (LT)
D = 2° 22' 51.3"
L = 340.74'
T = 170.66'
R = 2,406.45'

-DRV-

PI Sta 10+41.92
△ = 90° 31' 17.7" (LT)
D = 229° 10' 59.2"
L = 39.50'
T = 25.23'
R = 25.00'

PI Sta 11+36.12
△ = 100° 42' 12.5" (RT)
D = 163° 42' 08.0"
L = 61.52'
T = 42.24'
R = 35.00'


DETAIL 1
SPECIAL CUT BASE DITCH
(Not to Scale)
Natural Ground
2:1
2:1 or Flatter
Front Slope Ditch
Geotextile
Min. D = 1 Ft.
Max. d = 1 Ft.
B = 2 Ft.
Type of Liner = Class B Rip-Rap
FROM L STA. 13+00 TO STA. 13+58 RT
FROM L STA. 15+33 TO STA. 15+65 LT
DETAIL 2
RIP RAP AT EMBANKMENT
(Not to Scale)
10' min.
Ditch Grade
1.0' min.
2'
GEOTEXTILE
Type of Liner = 21 TONS,CL II Rip-Rap
Geotextile = 38 sy
FROM L STA. 14+85 TO STA. 15+05 RT
FROM L STA. 15+30 TO STA. 15+40 LT
DETAIL 3
TOE PROTECTION
(Not to Scale)
Natural Ground
2:1 or Flatter Fill Slope
Geotextile
d = 1 Ft.
b = 2 Ft.
Type of Liner = Class B Rip-Rap
FROM L STA. 14+00 TO STA. 14+50 RT
FROM L STA. 15+55 TO STA. 16+65 RT
FROM DRV STA. 10+40 TO STA. 11+00 LT
DETAIL 4
TOE PROTECTION
(Not to Scale)
2:1 or Flatter Fill Slope
PSRM
d = 1 Ft.
Type of Liner = PSRM
FROM DRV STA. 10+20 TO STA. 11+00 RT
DETAIL 5
FALSE SUMP
(Not to Scale)
Outside Ditch Traffic Flow
2.0' Max.
20:1
10:1
PIPE
S
C Proposed Ditch
S=Ditch Slope
STA 13+58 -L- RT
NAD 83 NC GRID NA 2011
BEGIN BRIDGE
-L- STA.14+85.88
BEGIN PROJECT
-L- STA.12+75.00
BEGIN APP.SLAB
-L- STA.14+75.00
END APP.SLAB
-L- STA.15+59.00
PCC Sta. 18+14.32
PT Sta. 14+35.53
POC -L- Sta. 13+80.00
POT -DR- Sta. 10+00.00
PC Sta. 12+08.15
PT Sta. 11+94.58
N 55° 16' 54.0" E
N 43° 18' 21.9" E
S 48° 18' 29.2" E
N 41° 10' 13.1" E
POT Sta. 10+00.00
PC Sta. 10+01.23
BEGIN CONSTRUCTION
-DRV- STA.10+12.00
-L- STA.13+80.00
PC Sta. 10+16.70
PT Sta. 10+56.19
PC Sta. 10+93.88
PT Sta. 11+55.40
POT Sta. 11+76.63
S 38° 07' 34.4" E
END CONSTRUCTION
-DRV- STA.11+60.00
END BRIDGE
-L- STA.15+48.13
PC Sta. 16+07.63
END PROJECT
-L- STA.17+50.00
PT Sta. 21+55.06
WOODBRIDGE PROPERTY OWNERS ASSOCIATION
DB 339 PG 667
SARA A HAYES
DB 1247 PG 33
PC 4 SLIDE 137
STEVEN A ALSTON AND WIFE ELIZABETH KIRK ALSTON
DB 1341 PG 64
PC 4 SLIDE 137
ROBIN ELLIS
DB 1207 PG 944
PC 4 SLIDE 137
WOODBRIDGE POINTE PROPERTY OWNERS ASSOCIATION
DB 1178 PG 967
ROBERT CLARK CHEEK
DB 422 PG 80
PC 5 SLIDE 131
AMANDA T CHEEK
DB 742 PG 267
PC 5 SLIDE 131
AMANDA CHEEK
DB 128 PG 129
PC 5 SLIDE 131
SHARON BROWN ROLLINS
DB 1076 PG 566
PC 5 SLIDE 131
JAMES MCNEILL AND WIFE RACHEL MCNEILL
DB 964 PG 665
PC 4 SLIDE 49
MARGARET L CHAMBERLIN
DB 1309 PG 222
PC 4 SLIDE 49
DECORRIS L REID, JR
DB 1353 PG 976
PC 1 SLIDE 210
JOHN MICHAEL COLLINS
DB 1396 PG 628
PC 1 SLIDE 210
ELIZABETH WA
DB 584 PG 8
PC 1 SLIDE 26
JOHN M.
AND W
LINDA H.
DB 488
CITY OF SANFORD
DB 265 PG 414
LOCHMERE VILLAGE LLC
DB 1178 PG 967
BM 2007 PG 144
BM
N: 608,934
E: 1,958,297
ELEV=293.36'
+10.00 -L-
60.00 LT
40.00 LT
+75.00 -L-
40.00 LT
37.00 LT
30.00 LT
(EX R/W)
+00.00 -L-
37.00 LT
+50.00 -L-
29.71 LT
+40.81 -L-
59.62 LT
LOC. PL
+40.45 -L-
39.63 LT
LOC. PL
+40.27 -L-
29.61 LT
(EX. R/W)PL
+75.00 -L-
40.00 RT
30.30 RT
(EX. R/W)
+08.00 -L-
58.00 RT
+80.00 -L-
45.00 RT
30.71 RT
(EX. R/W)
+00.00 -L-
100.00 RT
58.00 RT
CENTER OF CREEK IS PROPERTY LINE
IMPERVIOUS DIKE
GRAU F350
TYPE III
TL-3
TL-2
PDE
DUE
26' INC. TYP.
50' TAPER TO EX.
BL-100
BL-102
R=20
R=25
R=35
R=565.34'
+68.00'
+72.00'
+34.00'
+37.40'
+17.00'
+58.00