5/14/99

PROJECT REFERENCE NO.	SHEET NO.
R-4753	EC-9/CONST.9
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

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

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 9

–L– STA. 85+18.00 MATCH TO SHEET 8

NAD 83/NSRS 2007

–L–
PI Sta 90+10.62
Δ = 128° 46' 31.1" (LT)
D = 22° 55' 05.9"
L = 561.89'
T = 521.50'
* R = 250.00' (30mph)
SE = .08
RO = 168'

PI Sta 93+72.66
Δ = 31° 02' 00.1" (LT)
D = 12° 43' 56.6"
L = 243.74'
T = 124.94'
R = 450.00'
SE = .08
RO = 168'

PI Sta 96+64.39
Δ = 24° 23' 40.1" (RT)
D = 7° 09' 43.1"
L = 340.61'
T = 172.93'
R = 800.00'
SE = .07
RO = 147'

–Y2A–
PI Sta 11+15.01
Δ = 96° 11' 58.0" (RT)
D = 190° 59' 09.4"
L = 50.37'
T = 33.44'
R = 30.00'

PI Sta 11+71.65
Δ = 25° 54' 57.3" (RT)
D = 33° 11' 53.1"
L = 78.06'
T = 39.71'
R = 172.59'

–Y3–
PI Sta 13+21.27
Δ = 20° 15' 57.1" (RT)
D = 12° 14' 33.7"
L = 165.53'
T = 83.64'
R = 468.00'

–DRV2–
PI Sta 10+43.03
Δ = 85° 55' 02.6" (LT)
D = 286° 28' 44.0"
L = 29.99'
T = 18.62'
R = 20.00'

*Design Exception Required For Horizontal Curve Radius

JOHN M. CLARK AND WIFE, JENNIFER B. CLARK DB 1178 PG 492 (24)
REMOVE EXISTING GUARDRAIL
DO NOT DISTURB EXIST. MONUMENT OR WALL
END CONSTRUCTION –Y2A– STA 12+10.00
END GRADE –Y2A– STA 11+40.00
–Y2A– PCC Sta. 11+31.94
–Y2A– PC Sta. 10+81.57
N 65° 30' 54.9" W
DONALD AND PATRICIA WILLIAMS FAMILY TRUST DB 878 PG 209 (25)
KATHERINE BARRY, ET. ALS DB 1861 PG 135 (29)
–L– POC Sta. 88+07.07=
–Y2A– POT Sta. 10+00.00
STEEL BEAM GUARDRAIL W/2 TES 2 FROM R/W
NIALL A. CONNELL AND WIFE, JULIE N. CONNELL DB 1693 PG 728 (26)
NIALL A. CONNELL AND WIFE, JULIE N. CONNELL DB 1698 PG 609 (28)
–L– PC Sta. 92+47.72
MALCOM M. HOOPER, JR. AND WIFE, MICHELLE C. HOOPER DB 1445 PG 40 (30)
R/W TO BE ACQUIRED BY PERMANENT EASEMENT.
–L– PRC Sta. 94+91.46
HERREN PROPERTIES, INC. DB 1212 PG 193 (31)
–L– POC Sta 97+95.42=
–DRV2– POT Sta. 10+00.00
S 51° 08' 54.0" W
–L– POC Sta. 96+73.50=
–Y3– POT Sta. 10+00.00
REMOVE EXIST. GUARDRAIL
END EXPRESSWAY GUTTER –L– STA. 98+03.00
–L– PT Sta. 98+32.07
S 36° 13' 35.7" E
JOHN M. CLARK AND WIFE, JENNIFER B. CLARK DB 1178 PG 492 (24)
–Y2A– PC Sta. 10+81.57
N 65° 30' 54.9" W
12 x 18 x 3 1.5 inch Skimmer with 0.25 inch Orifice Diameter 4 ft. weir ID 9.1 CG
REMOVE EXISTING GUARDRAIL
JOHN M. CLARK DB 541 PG 525 (27)
CL B RIP RAP=2 TONS GEOTEXTILE=7 SY
–L– PT Sta. 90+51.01
TUCKASEGEE RIVER
BEGIN RETAINING WALL #5 –L– STA. 92+10.00
BEGIN SBG
JOHN M. CLARK DB 854 PG 747 DB 744 PG 289
SBG
END RETAINING WALL #5 –L– STA. 95+75.00
END SBG
REMOVE EXISTING GUARDRAIL
END CONSTRUCTION –Y3– STA. 10+45.00 8.25' SUPER INC.
RETAIN EXISTING BRIDGE
S 44° 42' 07.7" W
JOHN M. CLARK DB 854 PG 747 DB 744 PG 289 (32)
END CONSTRUCTION –DRV2– STA. 11+07.00
–DRV2– POT Sta. 11+35.00
–DRV2– PT Sta. 10+54.40
–DRV2– PC Sta. 10+24.41
–Y3– PC Sta. 12+37.63
–Y3– PT Sta. 14+01.17
SR 1175 WIKE CEMETARY RD
SR 1171 ROY TRITT RD
REMOVE EXIST. GUARDRAIL
15 x 10 x 3 1.5 inch Skimmer with 0.125 inch Orifice Diameter 4 ft. weir ID 9.2 CG
–L– STA. 99+22.00 MATCH TO SHEET 10

DETAIL 47
STANDARD BASE DITCH
(Not to Scale)
Natural Ground, 2:1, d, D, B, Geotextile
Min. D = 2 Ft.
Max. d = 1.5 Ft.
Min. B = 2 Ft.
Type of Liner = Class B Rip-Rap
STA. 98+46 RT. (Pipe Outlet)
5 TON CLASS B RIP RAP
14 SY GEOTEXTILE
5 CU. YD. DDE

Note: All Driveway Radii are 20' Unless Otherwise Noted
Note: All Proposed Guardrail to Use Weathered Steel Unless Otherwise Noted

TES = Terminal End Sections
SEE SHEETS 21 & 22 FOR –L– PROFILE
SEE SHEET 27 FOR –Y2A– PROFILE
SEE SHEET 27 FOR –Y3– PROFILE
SEE SHEET 29 FOR –DRV2– PROFILE
SEE SHEETS W–1 THRU W–8 FOR RETAINING WALL PLANS

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