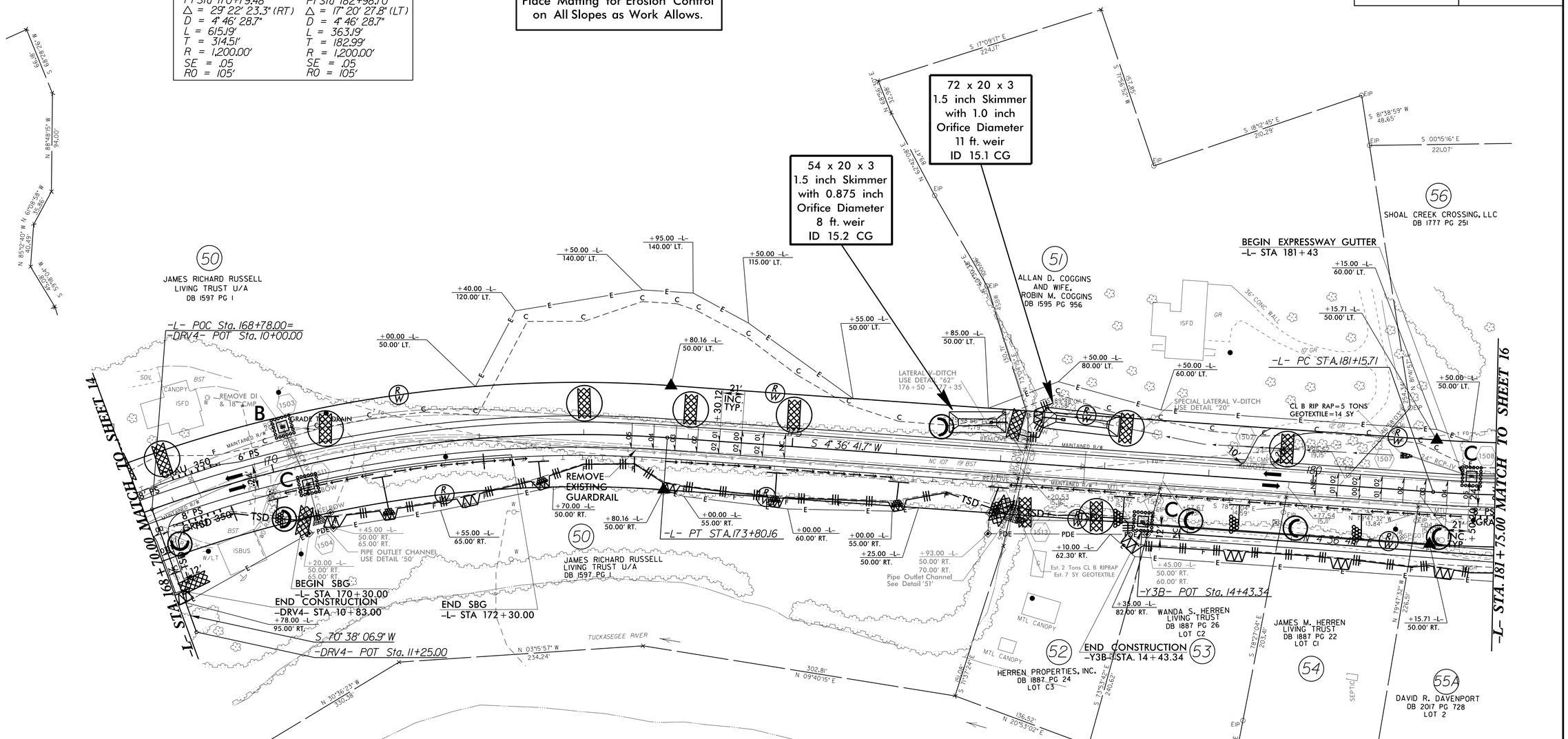
PROJECT REFERENCE NO.	SHEET NO.
R-4753	EC-34/CONST.J5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

-L-	
PI Sta 170+79.48	PI Sta 182+98.70
△ = 29° 22' 23.3" (RT)	△ = 17° 20' 27.8" (LT)
D = 4° 46' 28.7"	D = 4° 46' 28.7"
L = 615.19'	L = 363.19'
T = 314.51'	T = 182.99'
R = 1,200.00'	R = 1,200.00'
SE = .05	SE = .05
RO = 105'	RO = 105'

Place Matting for Erosion Control on All Slopes as Work Allows.


72 x 20 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
11 ft. weir
ID 15.1 CG
54 x 20 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
8 ft. weir
ID 15.2 CG
50
JAMES RICHARD RUSSELL
LIVING TRUST U/A
DB 1597 PG 1
51
ALLAN D. COGGINS
AND WIFE,
ROBIN M. COGGINS
DB 1595 PG 956
56
SHOAL CREEK CROSSING, LLC
DB 1777 PG 251
BEGIN EXPRESSWAY GUTTER
-L- STA 181+43
-L- PC STA.181+15.71
-L- PT STA.173+80.16
-L- STA. 168+70.00 MATCH TO SHEET 14
-L- STA. 181+75.00 MATCH TO SHEET 16
-L- POC Sta. 168+78.00=
-DRV4- POT Sta. 10+00.00
-DRV4- POT Sta. 11+25.00
-Y3B- POT Sta. 14+43.34
REMOVE
EXISTING
GUARDRAIL
BEGIN SBG
-L- STA 170+30.00
END CONSTRUCTION
-DRV4- STA. 10+83.00
END SBG
-L- STA 172+30.00
END CONSTRUCTION
-Y3B- STA. 14+43.34
S 70° 38' 06.9" W
S 4° 36' 41.7" W
TUCKASEGEE RIVER
HERREN PROPERTIES, INC.
DB 1887 PG 24
LOT C3
WANDA S. HERREN
LIVING TRUST
DB 1887 PG 26
LOT C2
JAMES M. HERREN
LIVING TRUST
DB 1887 PG 22
LOT C1
DAVID R. DAVENPORT
DB 2017 PG 728
LOT 2
CL B RIP RAP=5 TONS
GEOTEXTILE=14 SY
SPECIAL LATERAL V-DITCH
USE DETAIL "20"
LATERAL V-DITCH
USE DETAIL "62"
176+50 - 177+35
PIPE OUTLET CHANNEL
USE DETAIL '50'
Pipe Outlet Channel
See Detail '51'
Est. 2 Tons CL B RIPRAP
Est. 7 SY GEOTEXTILE
21' INC. TYP.
+30.12 -L-
+50.00 -L- 140.00' LT.
+95.00 -L- 140.00' LT.
+50.00 -L- 115.00' LT.
+40.00 -L- 120.00' LT.
+00.00 -L- 50.00' LT.
+80.16 -L- 50.00' LT.
+55.00 -L- 50.00' LT.
+85.00 -L- 50.00' LT.
+50.00 -L- 80.00' LT.
+50.00 -L- 60.00' LT.
+15.00 -L- 60.00' LT.
+15.71 -L- 50.00' LT.
+50.00 -L- 50.00' LT.
+70.00 -L- 50.00' RT.
+55.00 -L- 65.00' RT.
+45.00 -L- 50.00' RT. 65.00' RT.
+20.00 -L- 50.00' RT. 65.00' RT.
+78.00 -L- 95.00' RT.
+00.00 -L- 55.00' RT.
+00.00 -L- 60.00' RT.
+25.00 -L- 50.00' RT.
+93.00 -L- 50.00' RT. 70.00' RT.
+10.00 -L- 62.30' RT.
+35.00 -L- 82.00' RT.
+45.00 -L- 50.00' RT. 60.00' RT.
+15.71 -L- 50.00' RT.
N 92°82'89" S 81.59'
N 88°48'15" W 94.00'
N 61°08'58" W 25.86'
N 85°12'40" W 40.49'
N 40°81'55" S 40.19'
S 17°09'17" E 224.17'
S 71°56'52" W 151.85'
S 18°12'45" E 210.29'
S 81°38'59" W 48.65'
S 00°15'16" E 221.07'
N 63°40'08" E 89.47'
N 63°58'53" E 52.38'
N 03°15'57" W 234.24'
N 09°40'15" E 302.81'
N 30°36'23" W 230.58'
N 20°53'02" E 136.52'
N 20°53'02" E 142.41'
N 19°45'13" E 273.24'
N 19°45'13" E 273.24'
S 78°27'04" E 203.41'
S 78°27'04" E 74.62'
N 79°47'32" W 226.51'
N 79°47'32" W 87.51'
S 73°53'42" E 240.62'
S 71°37'24" E 151.08'
N 79°47'32" W 13.84'
S 78°27'04" E 14.69'
N 79°47'32" W 15.11'
S 78°27'04" E 15.07'
S 73°53'42" E 15.16'
S 71°37'24" E 15.15'
N 79°47'32" W 19.15'
S 78°27'04" E 17.54'
S 73°53'42" E 20.53'
S 71°37'24" E 15.07'
S 78°27'04" E 14.69'
N 79°47'32" W 13.84'
N 79°47'32" W 15.11'
S 78°27'04" E 15.07'
S 73°53'42" E 15.16'
S 71°37'24" E 15.15'
N 79°47'32" W 19.15'
S 78°27'04" E 17.54'
S 73°53'42" E 20.53'
S 71°37'24" E 15.07'
S 78°27'04" E 32.04'
N 20°53'02" E 32.04'
N 79°47'32" W 87.51'
N 79°47'32" W 226.51'
N 79°47'32" W 13.84'
N 79°47'32" W 15.11'
S 78°27'04" E 15.07'
S 73°53'42" E 15.16'
S 71°37'24" E 15.15'
N 79°47'32" W 19.15'
S 78°27'04" E 17.54'
S 73°53'42" E 20.53'
S 71°37'24" E 15.07'
S 78°27'04" E 14.69