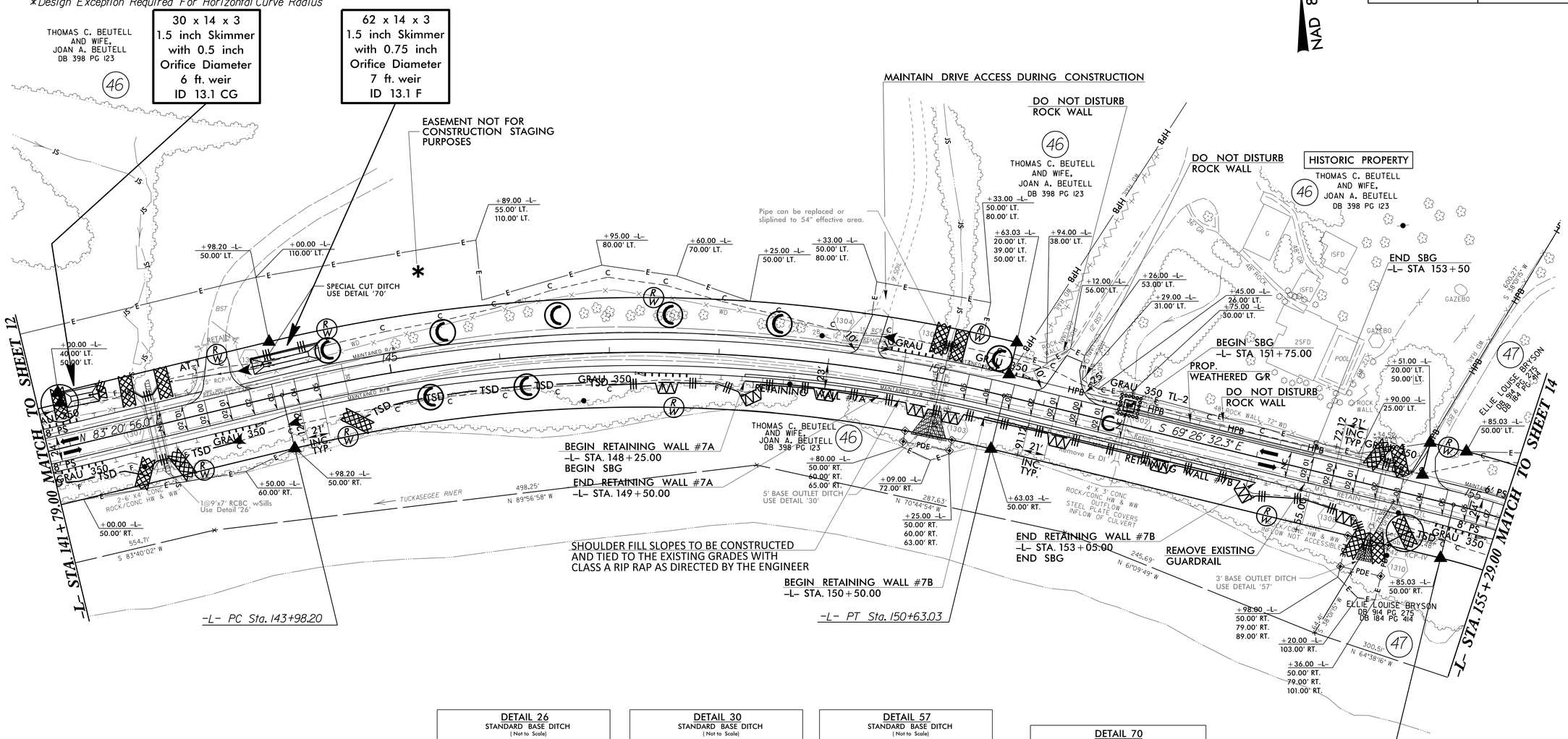
PROJECT REFERENCE NO.	SHEET NO.
R-4753	EC-31/CONST.J3
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

-L-	
PI Sta 147+37.01	PI Sta 156+13.24
△ = 27° 12' 31.7" (RT)	△ = 25° 21' 12.8" (RT)
D = 4° 05' 33.2"	D = 10° 03' 06.8"
L = 664.84'	L = 252.23'
T = 338.81'	T = 128.21'
R = 1,400.00'	*R = 570.00' (40mph)
SE = .05	SE = .08
RO = 105'	RO = 168'

*Design Exception Required For Horizontal Curve Radius



DETAIL 26
STANDARD BASE DITCH
(Not to Scale)

Natural Ground, 2:1, D, d, B, Geotextile, 2:1, Natural Ground

Min. D= 7 Ft.
Max. d=7 Ft.
B= 6 Ft.

Type of Liner= CLASS II Rip-Rap

STA. 142+79 ENTRANCE AND EXIT ON PROPOSED 9'x7' RCBC
NOTE: NO RIP-RAP IS TO BE PLACED IN STREAM

DETAIL 30
STANDARD BASE DITCH
(Not to Scale)

Natural Ground, 2:1, D, d, B, Geotextile, 2:1, Natural Ground

Min. D= 5.5 Ft.
Max. d= 1.5 Ft.
B= 5 Ft.

Type of Liner= CLASS I Rip-Rap

STA. 150+03 RT. (Pipe Outlet)
48 Ton Class I Rip-Rap
89 SY Geotextile
36 cu. yd. DDE

DETAIL 57
STANDARD BASE DITCH
(Not to Scale)

Natural Ground, 2:1, D, d, B, Geotextile, 2:1, Natural Ground

Min. D= 3.5 Ft.
Max. d= 1.5 Ft.
B= 3.5 Ft.

Type of Liner= CLASS I Rip-Rap

STA. 154+17 RT. (Pipe Outlet)
20 Ton Class I Rip-Rap
39 SY Geotextile
15 cu. yd. DDE

DETAIL 70
SPECIAL CUT DITCH
(Not to Scale)

Natural Ground, 2:1, D, 4:1 or Flatter, Front Ditch Slope

Min. D=2 Ft.

FROM STA. 143+00 LT. TO STA. 144+00 LT.

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

SBG = SHOULDER BERM GUTTER
SEE SHEETS 23 & 24 FOR -L- PROFILE
SEE SHEETS W-1 THRU W-8 FOR RETAINING WALL PLANS

5/14/99

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