PROJECT REFERENCE NO.	SHEET NO.
R-4753	EC-29/CONST.11
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L-	-Y3A-	
PI Sta 128+00.46	PI Sta 11+15.66	PI Sta 13+37.87
△ = 114° 22' 34.4" (LT)	△ = 108° 52' 23.8" (RT)	△ = 33° 46' 55.2" (RT)
D = 16° 22' 12.8"	D = 114° 35' 29.6"	D = 19° 05' 54.9"
L = 698.68'	L = 95.01'	L = 176.88'
T = 542.85'	T = 69.93'	T = 91.10'
* R = 350.00' (35mph)	R = 50.00'	R = 300.00'
SE = .08	SE = SEE PLANS	SE = SEE PLANS
R0 = 168'		

* Design Exception Required For Horizontal Curve Radius

DETAIL 49
STANDARD BASE DITCH
(Not to Scale)

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

Min. D = 2 Ft.
Max. d = 1.5 Ft.
B = 2 Ft.

Type of Liner = Class B Rip-Rap

STA. 126+87 RT. (Pipe Outlet)
5 Ton Class B Rip-Rap
14 SY Geotextile
5 Cu. Yd. DDE

DETAIL 27
STANDARD BASE DITCH
(Not to Scale)

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

Min. D = 2 Ft.
Max. d = 2 Ft.
B = 2 Ft.

*When
Type of Liner = CLASS B Rip-Rap

PIPE OUTLET AT STA. 119+35
47 Ton Class B Rip-Rap
124 SY Geotextile
60 cu. ft. DDE

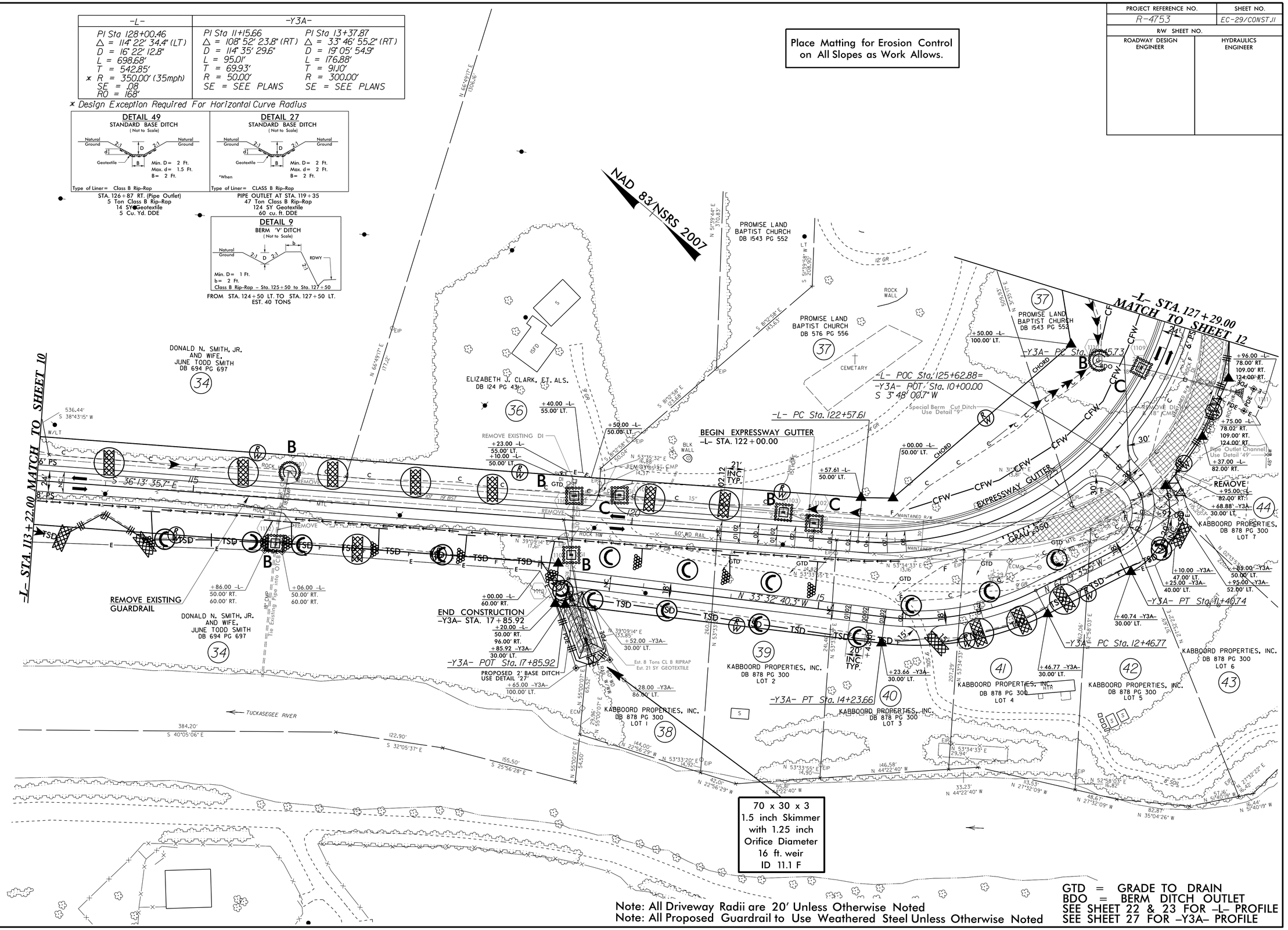
DETAIL 9
BERM 'V' DITCH
(Not to Scale)

Natural Ground, 2:1, D, 2:1, b, 2:1, RDWY

Min. D = 1 Ft.
b = 2 Ft.
Class B Rip-Rap – Sta. 125+50 to Sta. 127+50

FROM STA. 124+50 LT. TO STA. 127+50 LT.
EST. 40 TONS

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



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

GTD = GRADE TO DRAIN
BDO = BERM DITCH OUTLET
SEE SHEET 22 & 23 FOR -L- PROFILE
SEE SHEET 27 FOR -Y3A- PROFILE

5/14/99

12-SEP-2016 13:20
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$$$$USERNAME$$$$ $$$$REVDATE$$$$