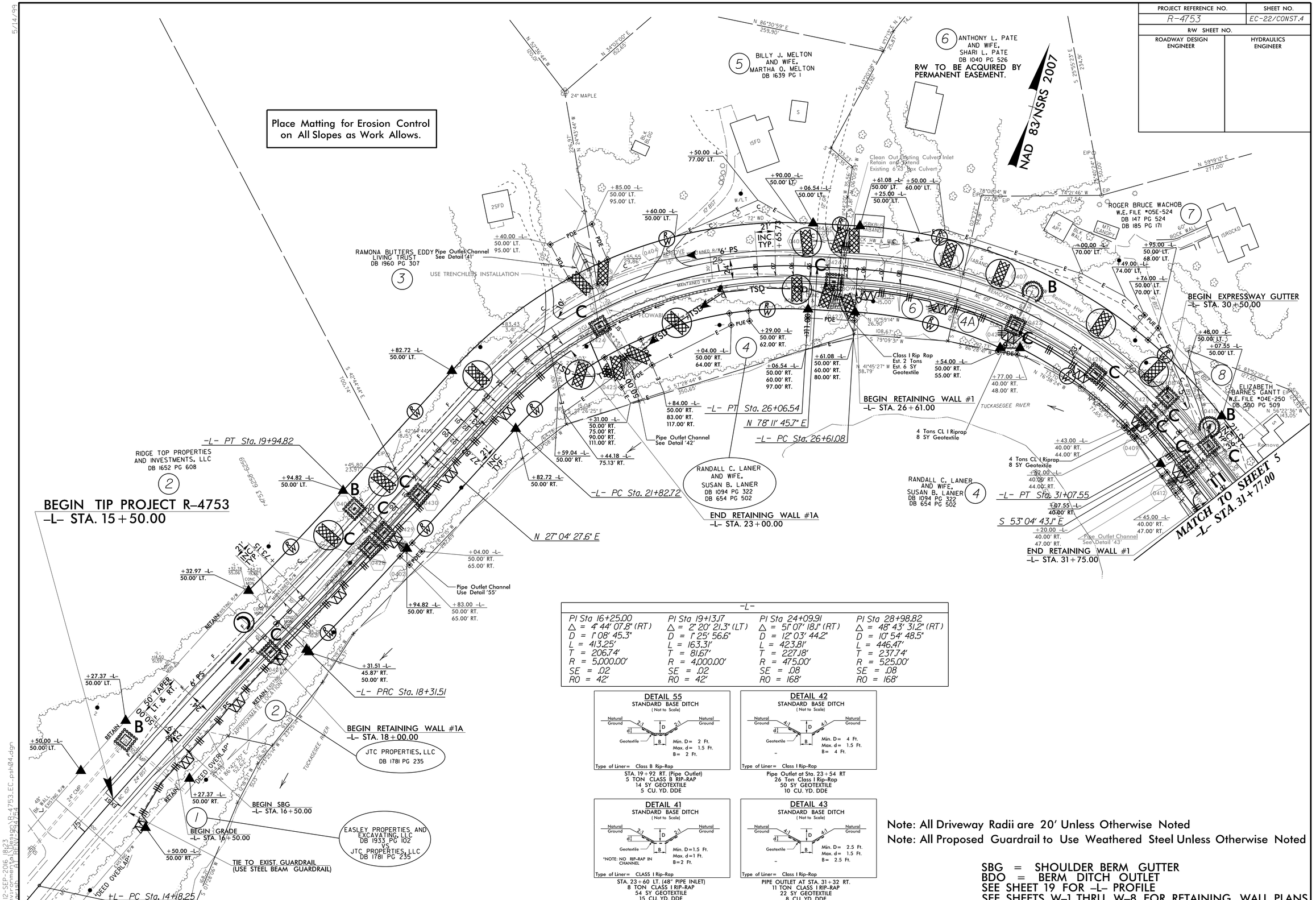
PROJECT REFERENCE NO.	SHEET NO.
R-4753	EC-22/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



-L-			
PI Sta 16+25.00	PI Sta 19+13.17	PI Sta 24+09.91	PI Sta 28+98.82
Δ = 4° 44' 07.8" (RT)	Δ = 2° 20' 21.3" (LT)	Δ = 51° 07' 18.1" (RT)	Δ = 48° 43' 31.2" (RT)
D = 1° 08' 45.3"	D = 1° 25' 56.6"	D = 12° 03' 44.2"	D = 10° 54' 48.5"
L = 413.25'	L = 163.31'	L = 423.81'	L = 446.47'
T = 206.74'	T = 81.67'	T = 227.18'	T = 237.74'
R = 5,000.00'	R = 4,000.00'	R = 475.00'	R = 525.00'
SE = .02	SE = .02	SE = .08	SE = .08
RO = 42'	RO = 42'	RO = 168'	RO = 168'

DETAIL 55
STANDARD BASE DITCH
(Not to Scale)

Natural Ground, 2:1, D, d, B, Geotextile, Natural Ground
Min. D = 2 Ft.
Max. d = 1.5 Ft.
B = 2 Ft.
Type of Liner = Class B Rip-Rap

STA. 19+92 RT. (Pipe Outlet)
5 TON CLASS B RIP-RAP
14 SY GEOTEXTILE
5 CU. YD. DDE

DETAIL 42
STANDARD BASE DITCH
(Not to Scale)

Natural Ground, 4:1, D, d, B, Geotextile, Natural Ground
Min. D = 4 Ft.
Max. d = 1.5 Ft.
B = 4 Ft.
Type of Liner = Class I Rip-Rap

Pipe Outlet at Sta. 23+54 RT
26 Ton Class I Rip-Rap
50 SY GEOTEXTILE
10 CU. YD. DDE

DETAIL 41
STANDARD BASE DITCH
(Not to Scale)

Natural Ground, 2:1, D, d, B, Geotextile, Natural Ground
*NOTE: NO RIP-RAP IN CHANNEL
Min. D = 1.5 Ft.
Max. d = 1 Ft.
B = 2 Ft.
Type of Liner = CLASS I Rip-Rap

STA. 23+60 LT. (48" PIPE INLET)
8 TON CLASS I RIP-RAP
54 SY GEOTEXTILE
15 CU. YD. DDE

DETAIL 43
STANDARD BASE DITCH
(Not to Scale)

Natural Ground, 4:1, D, d, B, Geotextile, Natural Ground
Min. D = 2.5 Ft.
Max. d = 1.5 Ft.
B = 2.5 Ft.
Type of Liner = Class I Rip-Rap

PIPE OUTLET AT STA. 31+32 RT.
11 TON CLASS I RIP-RAP
22 SY GEOTEXTILE
8 CU. YD. DDE

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

SBG = SHOULDER BERM GUTTER
BDO = BERM DITCH OUTLET
SEE SHEET 19 FOR -L- PROFILE
SEE SHEETS W-1 THRU W-8 FOR RETAINING WALL PLANS

5/14/99

12-SEP-2016 18:23
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