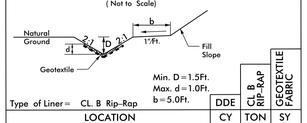
Dewberry
2610 WYCLIFF ROAD
SUITE 410
RALEIGH, NC 27607
PHONE: 919.881.9939
NC COA No. F-0929

PROJECT REFERENCE NO.	SHEET NO.
R-5737	EC-20/CONST.06
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DETAIL 6A
LATERAL 'V' DITCH
(Not to Scale)



Min. D = 1.5Ft.
Max. d = 1.0Ft.
b = 5.0Ft.

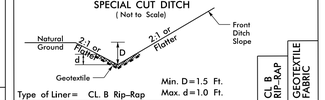
Type of Liner = CL B Rip-Rap	DDE	CL B RIP-RAP	GEOTEXTILE FABRIC
LOCATION	CY	TON	SY
RPC STA. 12+90 TO STA. 13+75 RT	29	30	89

DETAIL 6B
SPECIAL CUT DITCH
(Not to Scale)

Min. D = 1.0 Ft.

LOCATION
-Y4- STA. 13+22 TO STA. 14+50 RT

DETAIL 6C
SPECIAL CUT DITCH
(Not to Scale)



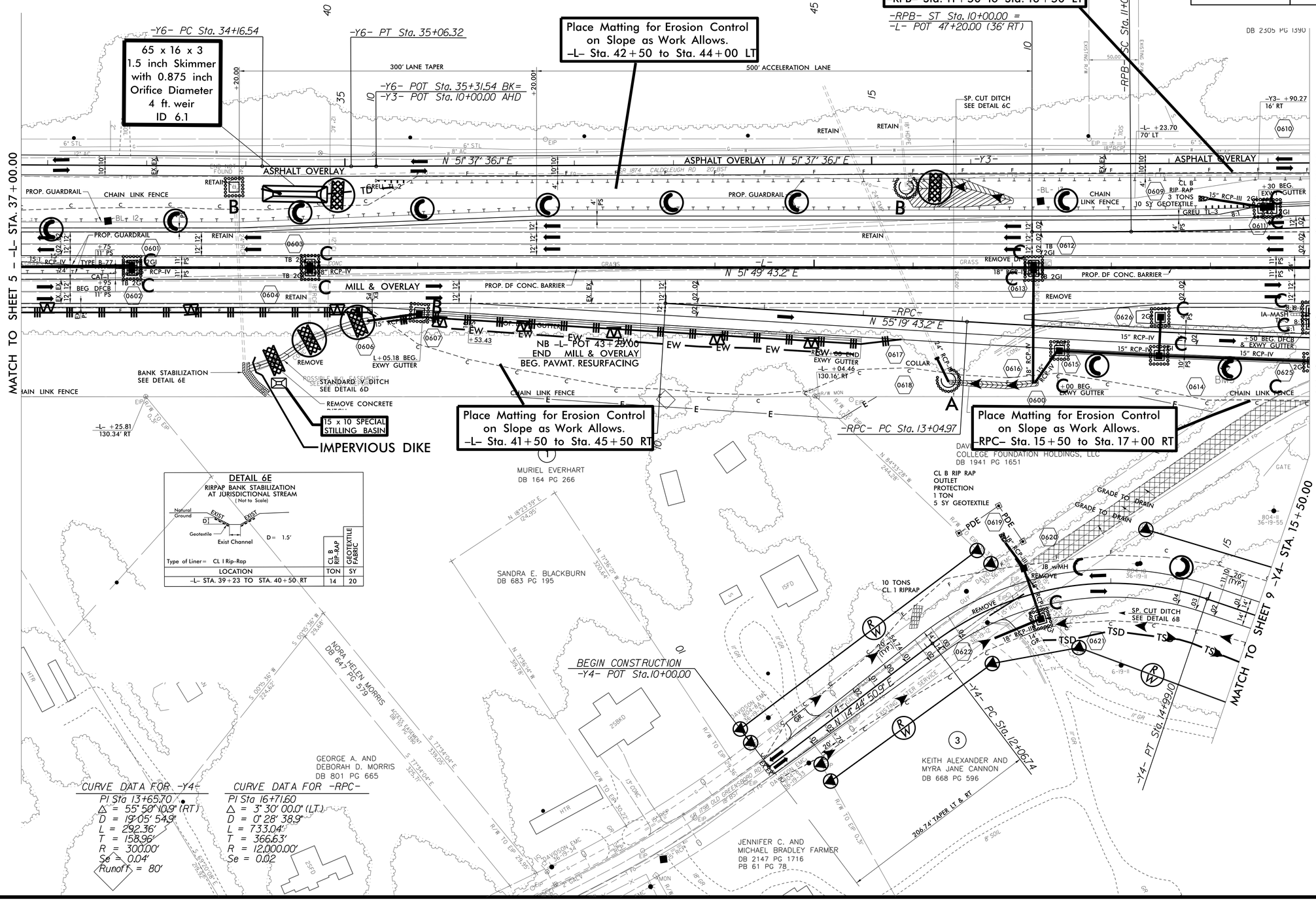
Min. D = 1.5 Ft.
Max. d = 1.0 Ft.

Type of Liner = CL B Rip-Rap	CL B RIP-RAP	GEOTEXTILE FABRIC
LOCATION	TON	SY
-L- STA. 46+00 TO STA. 47+00 LT	35	105

CURVE DATA FOR -Y6-
PI Sta 34+61.43
Δ = 0° 30' 51.9" (LT)
D = 0° 34' 22.6"
L = 89.78'
T = 44.89'
R = 10,000.00'
Se = EXIST

CURVE DATA FOR -RPB-
PIs Sta 10+66.67
Θs = 0° 28' 41.7"
Ls = 100.00'
LT = 66.67'
ST = 33.33'

PI Sta 13+03.02
Δ = 3° 52' 56.3" (LT)
D = 0° 57' 23.5"
L = 405.88'
T = 203.02'
R = 5,990.00'
Se = 0.02



DETAIL 6E
RIRPAP BANK STABILIZATION
AT JURISDICTIONAL STREAM
(Not to Scale)

Type of Liner = CL 1 Rip-Rap	CL B RIP-RAP	GEOTEXTILE FABRIC
LOCATION	TON	SY
-L- STA. 39+23 TO STA. 40+50 RT	14	20

CURVE DATA FOR -Y4-
PI Sta 13+65.70
Δ = 55° 50' 10.9" (RT)
D = 19° 05' 54.9"
L = 292.36'
T = 158.96'
R = 300.00'
Se = 0.04'
Runoff = 80'

CURVE DATA FOR -RPC-
PI Sta 16+71.60
Δ = 3° 30' 00.0" (LT)
D = 0° 28' 38.9"
L = 733.04'
T = 366.63'
R = 12,000.00'
Se = 0.02

5/14/99
7/13/2021 11:33:37 AM
USER: dmcarter
LISTER: dmcarter_hyd-ec-psh20.dgn