DocuSign Envelope ID: 7B91649E-6C6A-478C-B516-454A0A4C7E44

PROJECT REFERENCE NO.	SHEET NO.
14SP.20451.2	EC-6/CONST.4

V&M
Vaughn & Melton
Consulting Engineers
Asheville, North Carolina
828-253-2796
Boone, NC 828-355-9933
Tri-Cities, TN 423-467-8401
Knoxville, TN 865-546-5800
Spartanburg, SC 864-574-4775
Charleston, SC 843-974-5650
Middlesboro, KY 606-248-6600
Atlanta, GA 770-627-3590
Raleigh, NC 919-977-9455
Charlotte, NC 704-357-0488
Copyright © 2006 Vaughn & Melton, Inc. All Rights Reserved

NAD 83/NSRS 2007

GRAPHIC SCALE
30 15 0 30 60
PLANS

-L- CURVE DATA

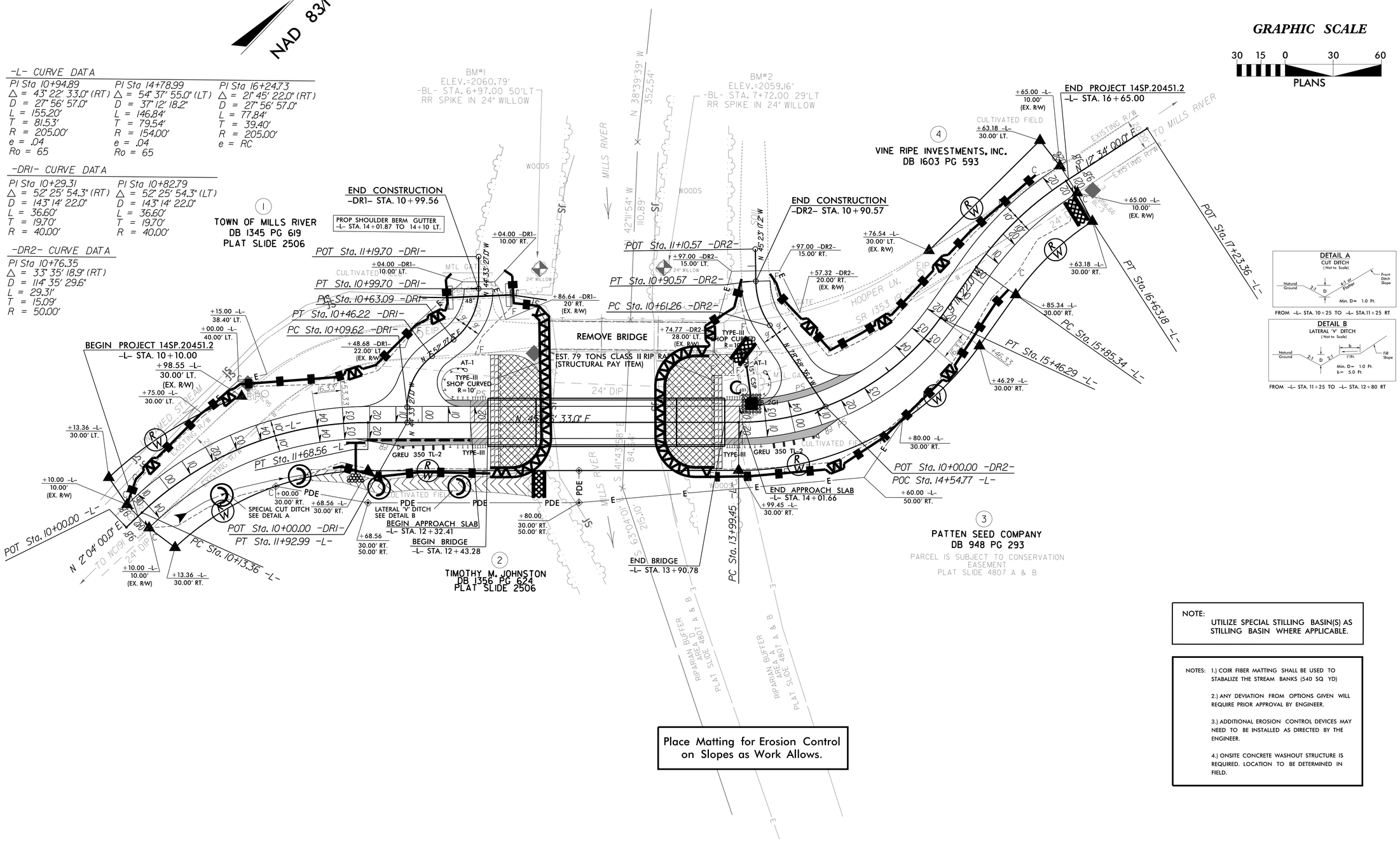
PI Sta 10+94.89	PI Sta 14+78.99	PI Sta 16+24.73
△ = 43° 22' 33.0" (RT)	△ = 54° 37' 55.0" (LT)	△ = 21° 45' 22.0" (RT)
D = 27° 56' 57.0"	D = 37° 12' 18.2"	D = 27° 56' 57.0"
L = 155.20'	L = 146.84'	L = 77.84'
T = 81.53'	T = 79.54'	T = 39.40'
R = 205.00'	R = 154.00'	R = 205.00'
e = .04	e = .04	e = RC
Ro = 65	Ro = 65	

-DR1- CURVE DATA

PI Sta 10+29.31	PI Sta 10+82.79
△ = 52° 25' 54.3" (RT)	△ = 52° 25' 54.3" (LT)
D = 143° 14' 22.0"	D = 143° 14' 22.0"
L = 36.60'	L = 36.60'
T = 19.70'	T = 19.70'
R = 40.00'	R = 40.00'

-DR2- CURVE DATA

PI Sta 10+76.35
△ = 33° 35' 18.9" (RT)
D = 114° 35' 29.6"
L = 29.31'
T = 15.09'
R = 50.00'



DETAIL A
CUT DITCH
(Not to Scale)
Natural Ground
2:1
D
3:1 or Flatter
Front Ditch Slope
Min. D= 1.0 Ft.
FROM -L- STA. 10+25 TO -L- STA. 11+25 RT

DETAIL B
LATERAL "V" DITCH
(Not to Scale)
Natural Ground
2:1
D
2:1
b
1'Ft.
Fill Slope
Min. D= 1.0 Ft.
b= 5.0 Ft.
FROM -L- STA. 11+25 TO -L- STA. 12+80 RT

NOTE:
UTILIZE SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

NOTES:
1.) COIR FIBER MATTING SHALL BE USED TO STABALIZE THE STREAM BANKS (540 SQ YD)

2.) ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

3.) ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

4.) ONSITE CONCRETE WASHOUT STRUCTURE IS REQUIRED. LOCATION TO BE DETERMINED IN FIELD.

Place Matting for Erosion Control on Slopes as Work Allows.

3/23/2021 10:36:44 AM
V:\Projects\Transportation\31236-04 MTC 14SP.20451.2 Henderson 147\Environmental\Erosion Control Design Files\Hend147_Erv_EC-6.dgn
User: DOWS