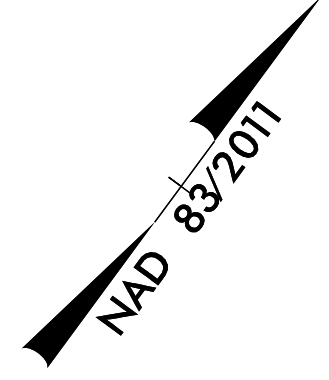


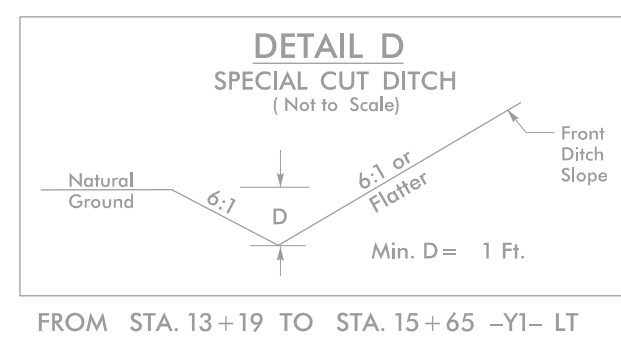
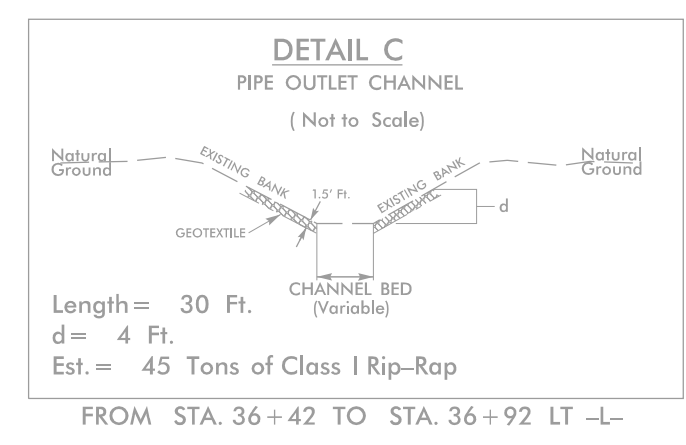
PROJECT REFERENCE NO.	SHEET NO.
R-5812	EC-II/CONST.06
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

HDR HDR Engineering, Inc. of the Carolinas
 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
 N.C.B.E.L.S. License Number: F-0116

FINAL EROSION CONTROL FOR CONSTRUCTION SHEET 06

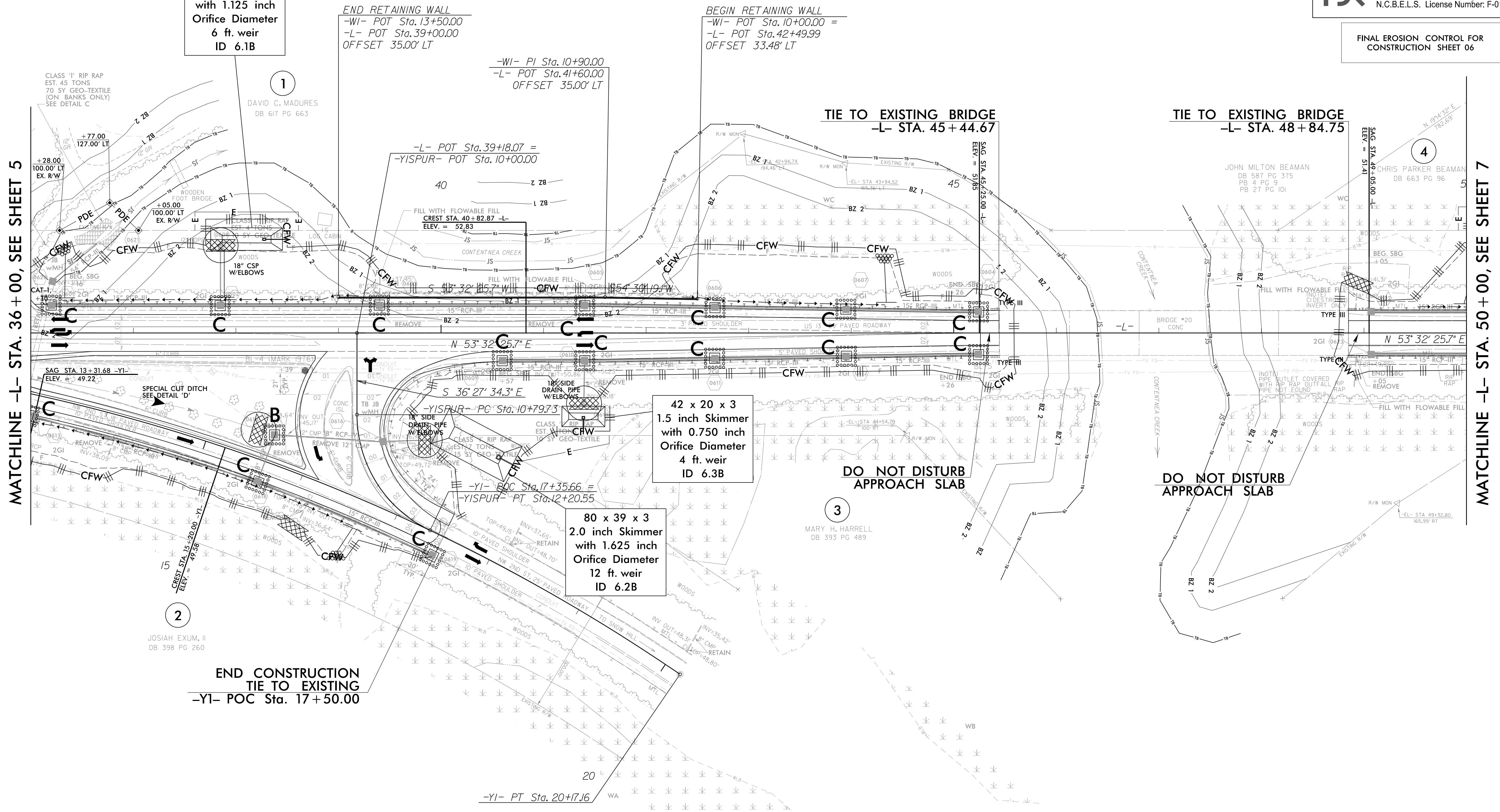


Place Matting for Erosion Control on Slope as Work Allows.
 Sta. 36+16 to Sta. 39+40 -L- LT
 Sta. 42+25 to Sta. 44+50 -L- LT
 Sta. 13+28 to Sta. 16+70 -YI- RT



-YI-
 PI Sta 15+50.18
 $\Delta = 30' 28'' 02.2''$ (RT)
 $D = 3' 10'' 59.2''$
 $L = 957.16'$
 $T = 490.18'$
 $R = 1,800.00'$
 $e = 0.06$
 $Lr = 180'$

-YISPUR-
 PI Sta 11+58.67
 $\Delta = 64' 32'' 42.7''$ (LT)
 $D = 45' 50'' 11.8''$
 $L = 140.82'$
 $T = 78.94'$
 $R = 125.00'$
 $e = 0.02$
 $Lr = 48'$



MATCHLINE -L- STA. 36 + 00, SEE SHEET 5

MATCHLINE -L- STA. 50 + 00, SEE SHEET 7

END CONSTRUCTION TIE TO EXISTING
 -YI- POC Sta. 17 + 50.00

END RETAINING WALL
 -WI- POT Sta. 13+50.00
 -L- POT Sta. 39+00.00
 OFFSET 35.00' LT

BEGIN RETAINING WALL
 -WI- POT Sta. 10+00.00 =
 -L- POT Sta. 42+49.99
 OFFSET 33.48' LT

-WI- PI Sta. 10+90.00
 -L- POT Sta. 41+60.00
 OFFSET 35.00' LT

-L- POT Sta. 39+18.07 =
 -YISPUR- POT Sta. 10+00.00

TIE TO EXISTING BRIDGE
 -L- STA. 45 + 44.67

TIE TO EXISTING BRIDGE
 -L- STA. 48 + 84.75

42 x 20 x 3
 1.5 inch Skimmer
 with 0.750 inch
 Orifice Diameter
 4 ft. weir
 ID 6.3B

80 x 39 x 3
 2.0 inch Skimmer
 with 1.625 inch
 Orifice Diameter
 12 ft. weir
 ID 6.2B

70 x 22 x 3
 1.5 inch Skimmer
 with 1.125 inch
 Orifice Diameter
 6 ft. weir
 ID 6.1B

REVISIONS
 PLOT DRIVER: NCDOT_color_eng_100.pht
 USER: MMCNAMARA
 FILE: NCDOT\2015.NCDOT_East_Reg.Div_Planning_Design_LSA\NCDOT-R-5812-US-13_Widening\6.0_CAD_BIM\6.2_Work_In_Progress\R-5812_Hydraulics\EROSTON_CONTROL\RS5812_HYD_EC_PSH.dgn
 PENTABLE: NCDOT_EC_FINAL_BW.tbl
 TIME: 5:46:31 PM
 DATE: 6/3/2019

SEE SHEET NO 10 FOR -L- PROFILE
 SEE SHEET NO 12 FOR -YI- PROFILE
 SEE SHEET NO 12 FOR -YISPUR- PROFILE
 SEE SHEET NO 2B-1 FOR INTERSECTION DETAIL
 SEE SHEET NO S-1 THRU S-9 FOR RETAINING WALL PLANS