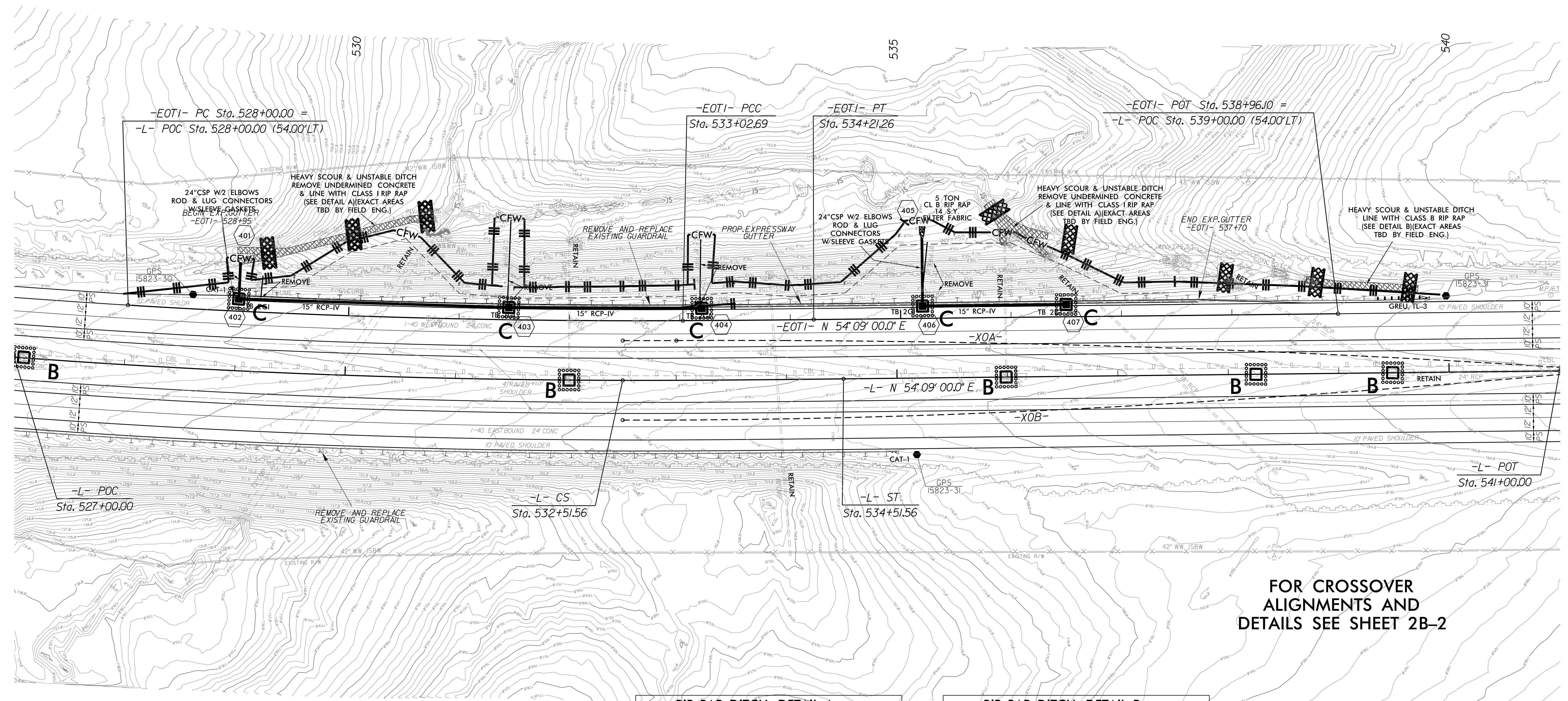


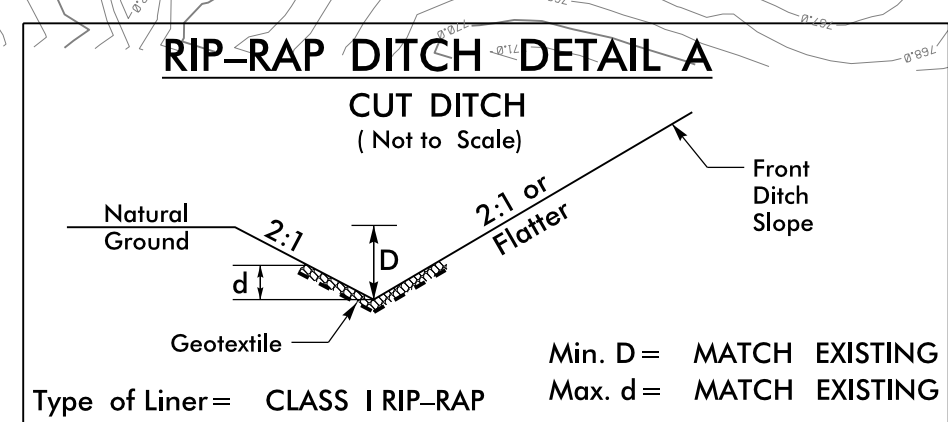
PROJECT REFERENCE NO. 1-5823	SHEET NO. EC-4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



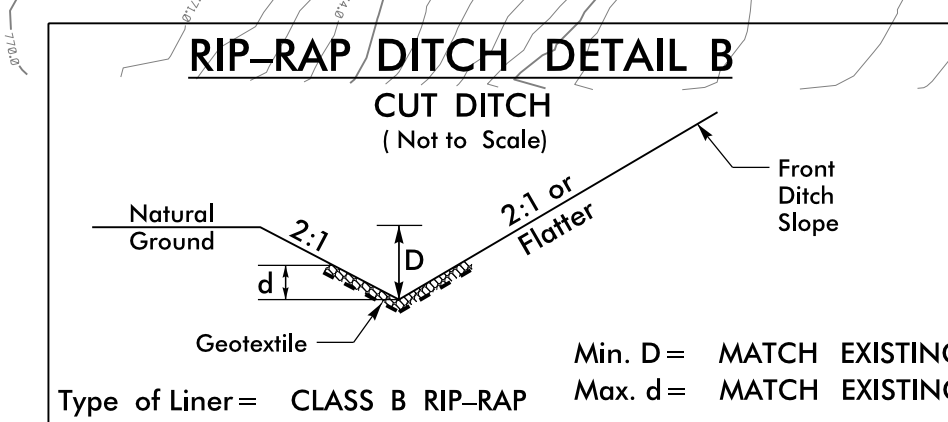
FOR CROSSOVER ALIGNMENTS AND DETAILS SEE SHEET 2B-2

-L-	
PI Sta 511+08.38	PIs Sta 533+18.22
$\Delta = 33^{\circ}06'00.0''$ (LT)	$F_s = 0^{\circ}45'00.0''$
$D = 0^{\circ}45'00.0''$	$L_s = 200.00'$
$L = 4.413.33'$	$LT = 133.33'$
$T = 2,270.16'$	$ST = 66.67'$
$R = 7,639.44'$	

-EOTI-	
PI Sta 530+51.44	PI Sta 533+61.97
$\Delta = 3^{\circ}47'49.2''$ (LT)	$\Delta = 0^{\circ}20'22.8''$ (LT)
$D = 0^{\circ}45'19.2''$	$D = 0^{\circ}17'11.3''$
$L = 502.69'$	$L = 118.57'$
$T = 251.44'$	$T = 59.28'$
$R = 7,585.44'$	$R = 20,000.00'$



Type of Liner = CLASS I RIP-RAP
 -EOTI- 528+95 TO 530+75 LT, EST. 130 TONS, EST. 267 SY GEO FAB, EST. 92 CY DDE
 -EOTI- 535+76 TO 536+34 LT, EST. 72 TONS, EST. 147 SY GEO FAB, EST. 51 CY DDE



Type of Liner = CLASS B RIP-RAP
 -EOTI- 538+67 TO 539+70 LT, EST. 36 TONS, EST. 108 SY GEO FAB, EST. 27 CY DDE

- NOTE:** TEMPORARY SILT FENCE SHALL BE INSTALLED A MINIMUM OF 3 FEET FROM TOE OF FILL IN WETLAND AREAS
- NOTE:** PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE-B AND TEMPORARY ROCK SILT CHECKS TYPE-A AT DRAINAGE OUTLETS
- CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 4

8/17/99
 29 NOV 2016 11:28
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