PROJECT REFERENCE NO.	SHEET NO.
R-4416	EC-13/CONST.13
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L- LINE

PI Sta 132+48.93	PI Sta 141+03.90	PIs Sta 143+73.86
△ = 84° 53' 25.2" (LT)	△ = 26° 44' 40.3" (LT)	Θs = 10° 53' 04.9"
D = 4° 48' 53.2"	D = 7° 33' 31.7"	Ls = 288.00'
L = 1,763.12'	L = 353.82'	LT = 192.36'
T = 1,088.34'	T = 180.19'	ST = 96.33'
R = 1,190.00'	R = 758.00'	
Ds = 60mph	Ds = 50mph	
SE = .08	SE = .08	

-L- LINE

PIs Sta 148+53.89
Θs = 10° 53' 04.9"
Ls = 288.00'
LT = 192.36'
ST = 96.33'

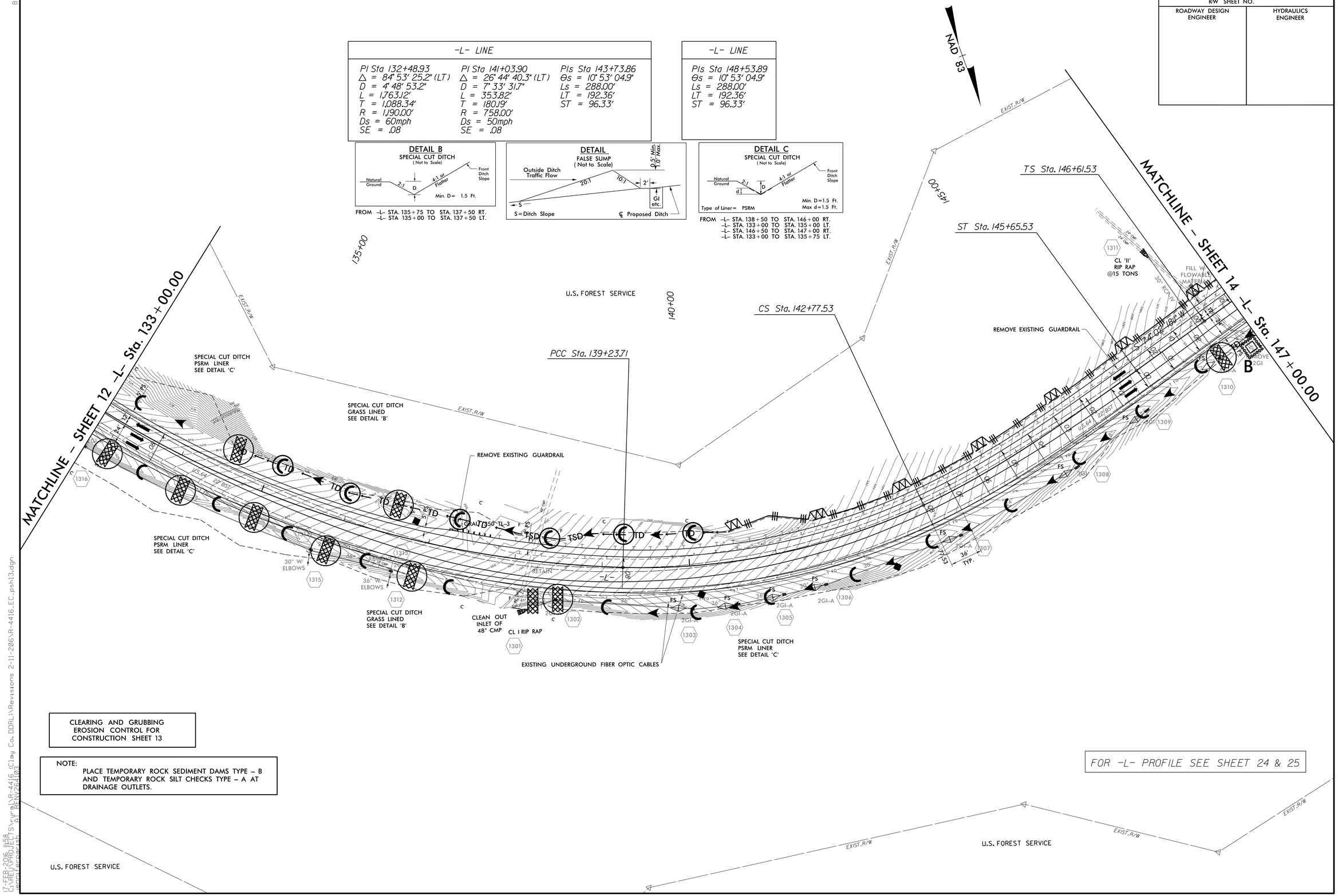
DETAIL B
SPECIAL CUT DITCH
(Not to Scale)

FROM -L- STA. 135+75 TO STA. 137+50 RT.
-L- STA 135+00 TO STA. 137+50 LT.

DETAIL
FALSE SUMP
(Not to Scale)

DETAIL C
SPECIAL CUT DITCH
(Not to Scale)

FROM -L- STA. 138+50 TO STA. 146+00 RT.
-L- STA. 133+00 TO STA. 135+00 LT.
-L- STA. 146+50 TO STA. 147+00 RT.
-L- STA. 133+00 TO STA. 135+75 LT.



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 13

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

FOR -L- PROFILE SEE SHEET 24 & 25

8/17/99

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smulgrew@ncdot.gov
DATE REV 2/2/16