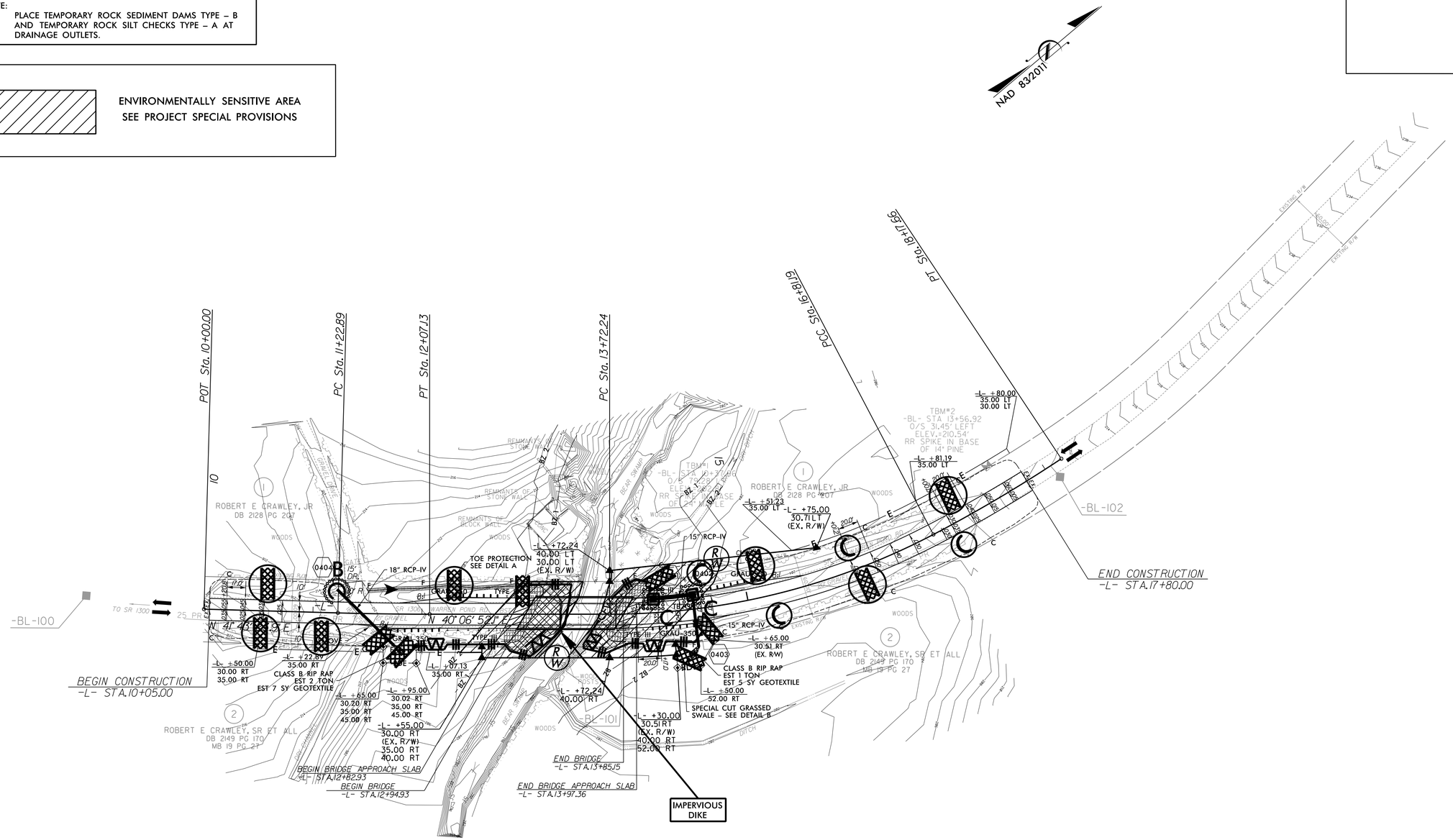
PROJECT REFERENCE NO.	SHEET NO.
17BP.4.R.67	EC-4/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

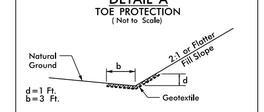
NOTE:
UTILIZE SPECIAL STILLING BASIN WHERE APPLICABLE.

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

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS



DETAIL A
TOE PROTECTION
(Not to Scale)

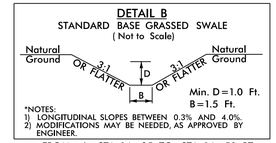


d=1 Ft.
b=3 Ft.

Type of Liner= CL B Rip-Rap

FROM –L– STA. 11+50 TO STA. 12+92 LT
45 TONS CL. B RIPRAP W/22 SY GF

DETAIL B
STANDARD BASE GRASSED SWALE
(Not to Scale)



Min. D=1.0 Ft.
B=1.5 Ft.

*NOTES:
1) LONGITUDINAL SLOPES BETWEEN 0.3% AND 4.0%.
2) MODIFICATIONS MAY BE NEEDED, AS APPROVED BY ENGINEER.

FROM –L– STA. 14+35 TO STA. 14+50 RT

8/17/99

10/26/2016
R:\Structures\from Roadside Env\4-Halifax 198_NC_PSH04.dgn
FLEWIS