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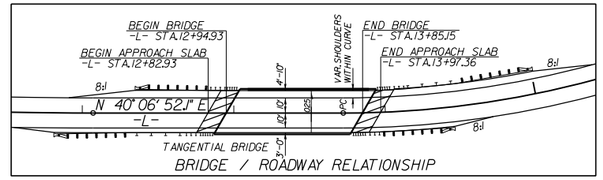
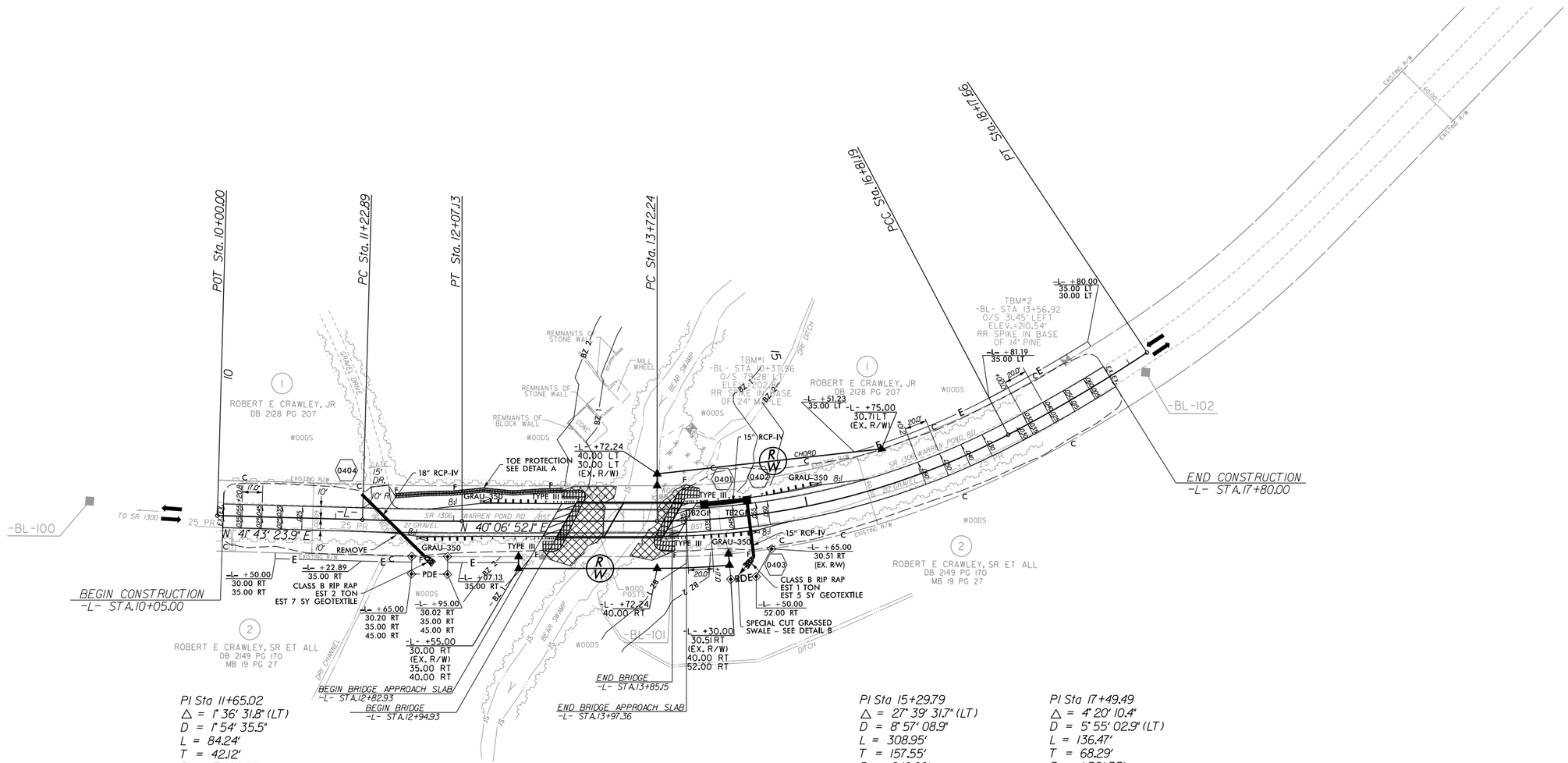
PROJECT REFERENCE NO.	SHEET NO.
17BP.4.R.67	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DocuSigned by: Stephen C. Brown, Jr. 15759 — 05279215F3F5428... 11/4/2016	DocuSigned by: David B. Bock 029984 — 93C7A1F94C66497... 11/4/2016

REVISIONS 8/17/99



SEE SHEET S-1 THRU S-18 FOR STRUCTURE PLANS



PI Sta 11+65.02
△ = 1° 36' 31.8" (LT)
D = 1° 54' 35.5"
L = 84.24'
T = 42.12'
R = 3,000.00'
SE = RC
DS = 35 MPH

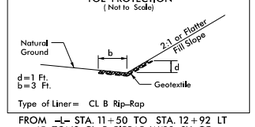
PI Sta 15+29.79
△ = 27° 39' 31.7" (LT)
D = 8° 57' 08.9"
L = 308.95'
T = 157.55'
R = 640.00'
SE = 0.06
DS = 45 MPH

PI Sta 17+49.49
△ = 4° 20' 10.4"
D = 5° 55' 02.9" (LT)
L = 136.47'
T = 68.29'
R = 1,321.33'
SE = EXIST.
DS = EXIST.

RIGHT OF WAY AREA DATA

PARCEL NO.	PROPERTY OWNERS NAMES	TOTAL AREA	AREA TAKEN	AREA REMAINING RT.	AREA REMAINING LT.	CONST. EASE.	PERM. DRAIN. EASE.	TEMP. DRAIN. EASE.
1	ROBERT E CRAWLEY, JR		2,023 SF			965 SF		
2	ROBERT E CRAWLEY, SR ET ALL		1,764 SF			873 SF	1,075 SF	

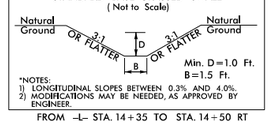
DETAIL A
TOE PROTECTION
(Not to Scale)



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)



*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

NOTE: FOR -L- PROFILE SEE SHEET 5

11/4/2016
R:\Roadway\Proj\Halifax 198_RDY_PSH04.dgn
dlee