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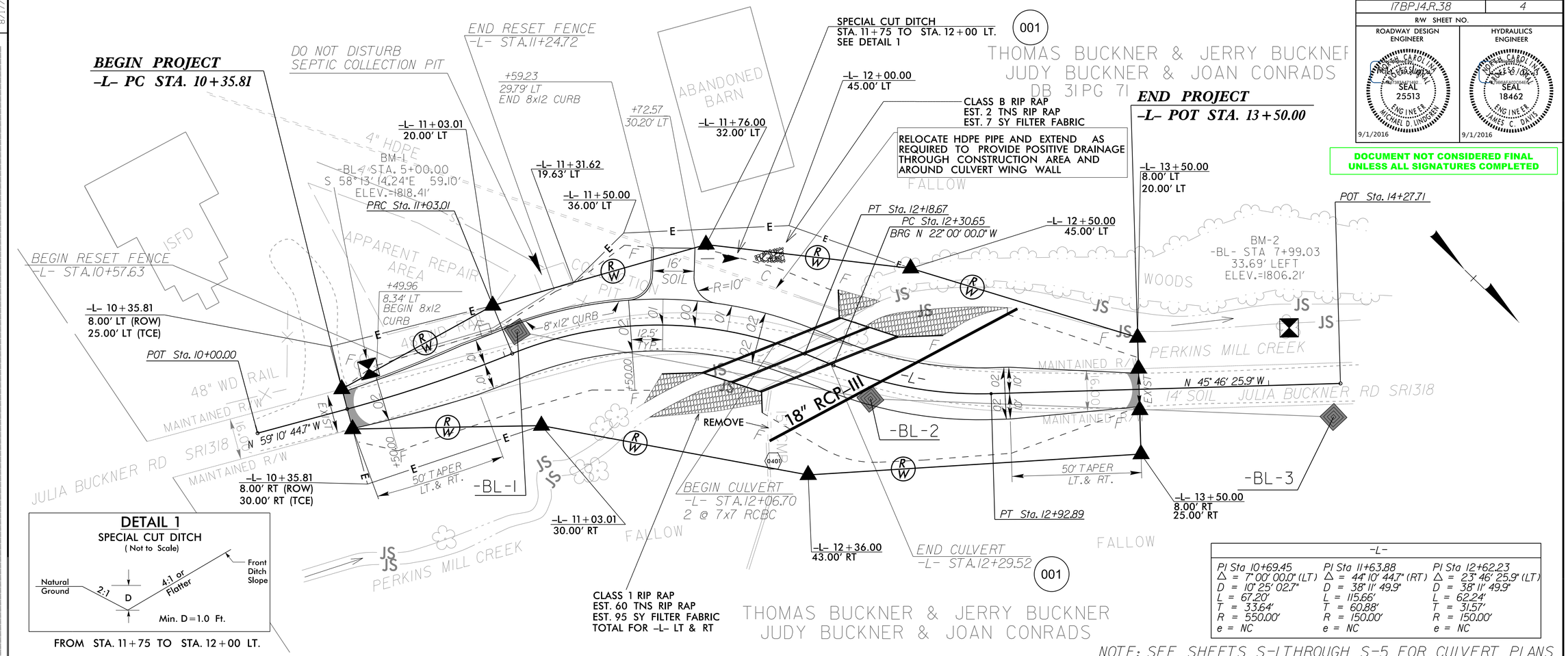
PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.38	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
SEAL 25513 ENGINEER MICHAEL D. LINDGREN 9/1/2016	SEAL 18462 ENGINEER JAMES C. DAVIS 9/1/2016

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

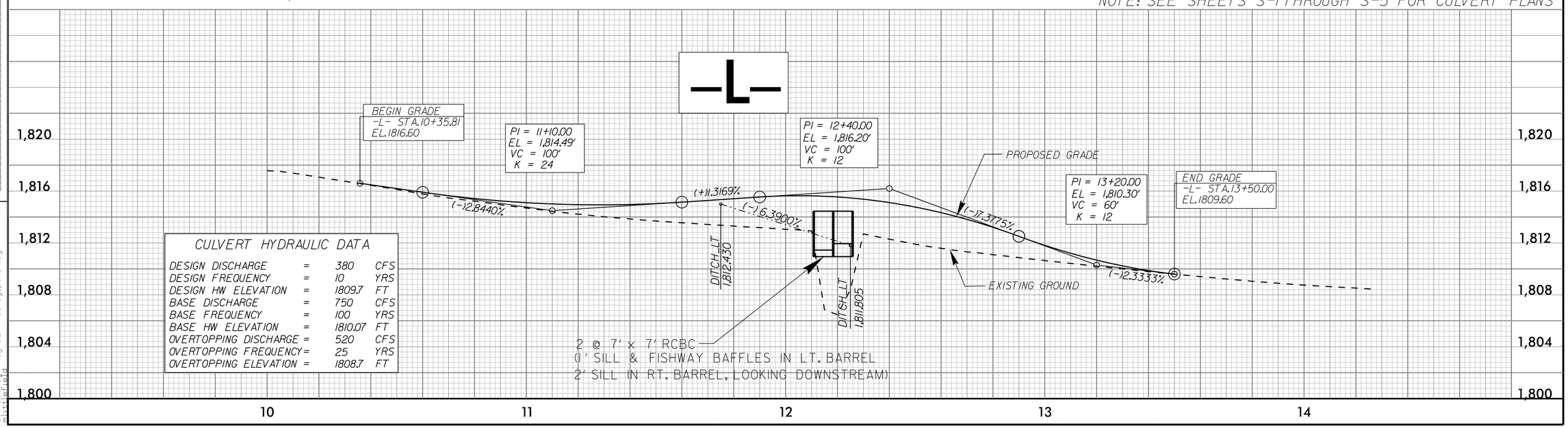


DETAIL 1
SPECIAL CUT DITCH
(Not to Scale)

FROM STA. 11+75 TO STA. 12+00 LT.

-L-		
PI Sta 10+69.45	PI Sta 11+63.88	PI Sta 12+62.23
Δ = 7° 00' 00.0" (LT)	Δ = 44° 10' 44.7" (RT)	Δ = 23° 46' 25.9" (LT)
D = 10° 25' 02.7"	D = 38° 11' 49.9"	D = 38° 11' 49.9"
L = 67.20'	L = 115.66'	L = 62.24'
T = 33.64'	T = 60.88'	T = 31.57'
R = 550.00'	R = 150.00'	R = 150.00'
e = NC	e = NC	e = NC

NOTE: SEE SHEETS S-1 THROUGH S-5 FOR CULVERT PLANS



CULVERT HYDRAULIC DATA			
DESIGN DISCHARGE	=	380	CFS
DESIGN FREQUENCY	=	10	YRS
DESIGN HW ELEVATION	=	1809.7	FT
BASE DISCHARGE	=	750	CFS
BASE FREQUENCY	=	100	YRS
BASE HW ELEVATION	=	1810.07	FT
OVERTOPPING DISCHARGE	=	520	CFS
OVERTOPPING FREQUENCY	=	25	YRS
OVERTOPPING ELEVATION	=	1808.7	FT

REVISIONS

8/17/99

9/1/2016
U:\Roadway\Proj\CLAY78_rdy_psh_4.dgn
mlindgren