

5/14/99

PROJECT REFERENCE NO. B-5147	SHEET NO. 5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

CULVERT HYDRAULIC DATA

DESIGN DISCHARGE	= 590	CFS
DESIGN FREQUENCY	= 5+	YRS
DESIGN HW ELEVATION	= 2818.1	FT
BASE DISCHARGE	= 1500	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 2820.88	FT
OVERTOPPING DISCHARGE	= 602	CFS
OVERTOPPING FREQUENCY	= 5+	YRS
OVERTOPPING ELEVATION	= 2818.1	FT

-L-

-EY-

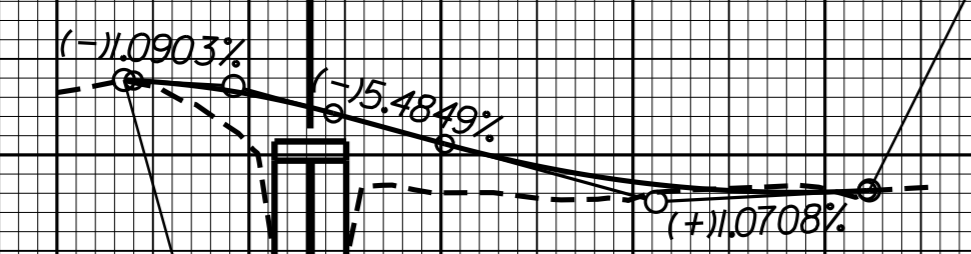
PI = 10+46.00
EL = 2,823.59'
VC = 52'
K = 12
20= mph

PI = 11+56.00
EL = 2,817.56'
VC = 110'
K = 17
15= mph

END GRADE
-L- STA 12+11.55
EL = 2818.15'

END RESURFACING
-EY- STA 15+00.30

STA 10+66 -L-
2@ 9'X8' RCBC EMBEDDED 1 FT
SKEW 90
ELEVATION = 2822.48



BEGIN GRADE
-L- STA 10+17.43
EL = 2823.90'

BEGIN RESURFACING
-EY- STA 12+84.16

SEE SHEET 4 FOR PLAN VIEW
SEE SHEET C-1 THRU C-9
FOR CULVERT PLANS

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