

5/14/99

5/28/99



PROJECT REFERENCE NO. R-2409C	SHEET NO. 15
ROADWAY DESIGN ENGINEER DAVID C. WALLER	HYDRAULICS ENGINEER STACEY H. BAILEY
SEAL 22606	SEAL 24451
DocuSigned by: David C. Waller	DocuSigned by: Stacey H. Bailey

-L-

2,800
2,790
2,780
2,770
2,760
2,750
2,740
2,730
2,720
2,710
2,700

2,800
2,790
2,780
2,770
2,760
2,750
2,740
2,730
2,720
2,710
2,700

66 67 68 69 70 71 72 73 74 75 76 77 78

PI = 68+60.00
EL = 2,770.05'
VC = 150'
K = 89
V = 50 MPH

PI = 73+85.00
EL = 2,753.25'
VC = 180'
K = 46
V = 34 MPH

PI = 75+60.00
EL = 2,754.45'
VC = 160'
K = 46
V = 40 MPH

END GRADE
-L- STA 77+00.00
ELEV = 2750.55

PIPE HYDRAULIC DATA		
STA. 70+50 -L-		
DRAINAGE AREA	= 5	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 12	CFS
DESIGN HW ELEVATION	= 2735.7	FT
100 YEAR DISCHARGE	= 13	CFS
100 YEAR HW ELEVATION	= 2735.6	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 96	CFS
OVERTOPPING ELEVATION	= 2764.5	FT

PIPE HYDRAULIC DATA		
STA. 74+00 -L-		
DRAINAGE AREA	= 3	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 6	CFS
DESIGN HW ELEVATION	= 2742.8	FT
100 YEAR DISCHARGE	= 7	CFS
100 YEAR HW ELEVATION	= 2742.9	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 46	CFS
OVERTOPPING ELEVATION	= 2754.2	FT

BM #4
RR SPIKE IN BASE 20" OAK
-L- STA 78+34, OFFSET 34' RT
ELEV = 2754.39

EXIST. PAVEMENT
PROPOSED GRADE LINE
STA. 69+00 - LT
ELEV. 2,763.26
STA. 69+25 - LT
ELEV. 2,760.67
STA. 69+75 - LT
ELEV. 2,758.77
STA. 70+00 - LT
ELEV. 2,752.94
STA. 70+25 - LT
ELEV. 2,754.07
STA. 70+50 - LT
ELEV. 2,753.57

EXIST. PAVEMENT
STA. 71+50 - RT
ELEV. 2,748.27
STA. 73+00 - RT
ELEV. 2,749.02

24" CSP
8 GAGE

24" WELDED STEEL

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FOR -L- PLAN SEE SHEET 9