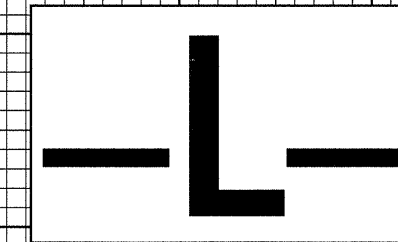


5/28/99

BM#2 CHISELED SQUARE IN SW CORNER  
OF A CONC.SLAB 47.68 LT.-L- STA.  
12+63.35  
ELEV.= 2095.57



NOTE: FOR -L- ALIGNMENT SEE SHEET NO.4

PROJECT REFERENCE NO. B-3475	SHEET NO. 5
ROADWAY DESIGN ENGINEER GARY R. LOVERING 25873	HYDRAULICS ENGINEER MARC T. SHOWN 20670
3-22-04	

BEG. GRADE STA. 11+50  
EL. = 2,095.10'

PI = 12+90.00  
EL = 2,093.50'  
VC = 50  
K = 29

**CULVERT HYDRAULIC DATA**

DESIGN DISCHARGE = 1313 CFS  
 DESIGN FREQUENCY = 50 YRS  
 DESIGN HW ELEVATION = 2094.46 FT  
 BASE DISCHARGE = 1486 CFS  
 BASE FREQUENCY = 100 YRS  
 BASE HW ELEVATION = 2094.67 FT  
 OVERTOPPING DISCHARGE = 1000 CFS  
 OVERTOPPING FREQUENCY = 10 YRS  
 OVERTOPPING ELEVATION = 2093.79 FT

PI = 14+85.00  
EL = 2,094.65'  
VC = 60  
K = 34

PI = 15+60.00  
EL = 2,093.79'  
VC = 40  
K = 26

END GRADE STA. 16+06.17  
EL. = 2,093.96'

2,100  
2,095  
2,090  
2,085  
2,080

2,100  
2,095  
2,090  
2,085  
2,080

11

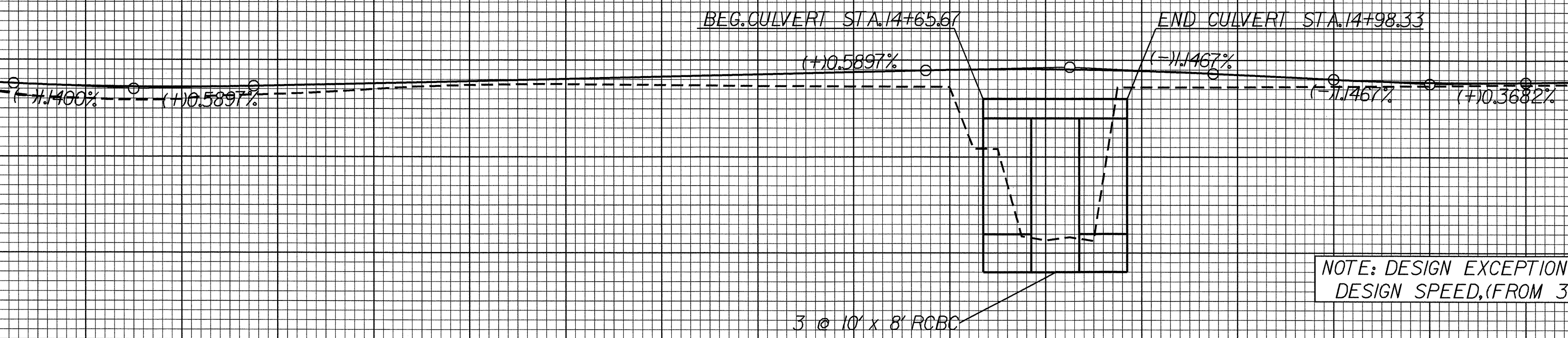
12

13

14

15

16



NOTE: DESIGN EXCEPTION REQUIRED FOR  
DESIGN SPEED, (FROM 35 MPH TO 20 MPH)

NOTE: HORIZ SCALE: 1" = 20'  
VERT. SCALE: 1" = 5'

01-MAR-2004 11:26  
R:\proj\B-3475\F1  
SCHEM.DWG