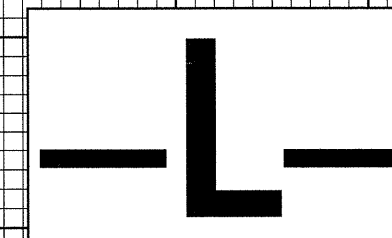


5/28/99

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 R. LOVERING	HYDRAULICS ENGINEER M. T. SHOWN
	3-22-04

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

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

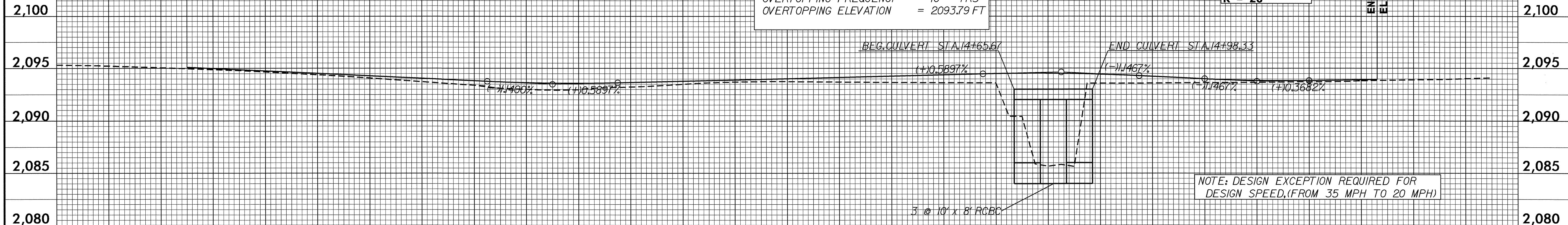
CULVERT HYDRAULIC DATA

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
E.L. = 2,093.96'



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

3 @ 10' x 8' RCBC

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

01-MAR-2004 14:26
R:\pco\B-3475\p1
S:\51\en_01_RP012454