

5/28/99

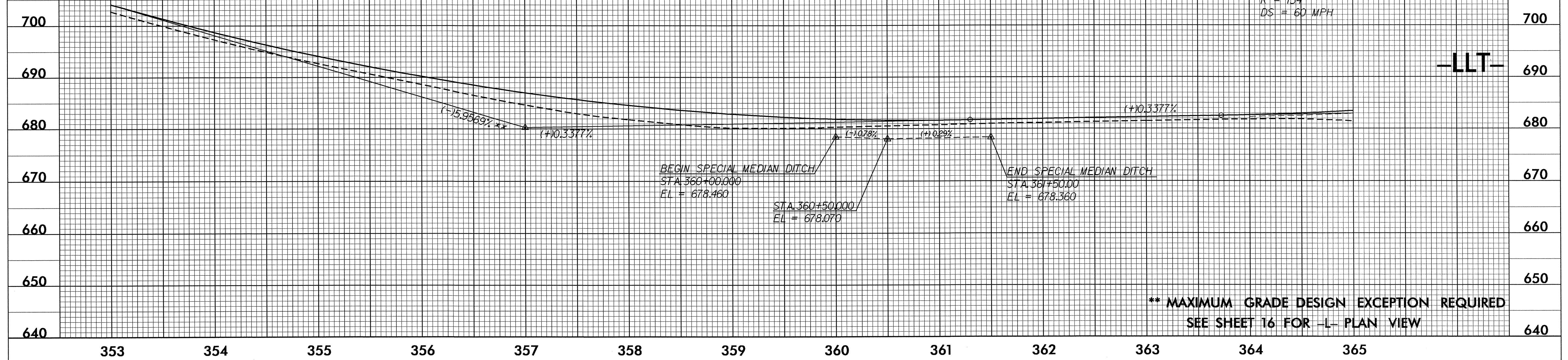
PROJECT REFERENCE NO. R-2911D	SHEET NO. 29
ROADWAY DESIGN ENGINEER DAVID W. BASS 12/4/04	HYDRAULICS ENGINEER JAMES C. ADAMS 10/6/04
PBSJ POST, BUCKLEY, SCHUH & JERNIGAN, INC. 1616 EAST MILLBROOK ROAD, SUITE 310 RALEIGH, NORTH CAROLINA 27609	

NCGS MONUMENT STAMPED "399 JAS" IN THE TOP OF THE WEST END OF THE NORTHERN CONCRETE HEADWALL OF CULVERT OVER STREAM THAT RUNS UNDER US 70.
 N 718,890.2880 E 1,531,667.4125
 BL STA. 357+07.88 8.54'
 ELEV. 674.72

DITCH LEGEND
 MEDIAN DITCH - - - - -
 RIGHT DITCH - - - - -

PI = 357+00.00
 EL = 680.27'
 VC = 860'
 K = 137
 DS = 60 MPH

PI = 366+50.01
 EL = 683.48'
 VC = 555'
 K = 154
 DS = 60 MPH



BEGIN SPECIAL MEDIAN DITCH
 STA. 360+00.000
 EL = 678.460

STA. 360+50.000
 EL = 678.070

END SPECIAL MEDIAN DITCH
 STA. 361+50.000
 EL = 678.360

-LLT-

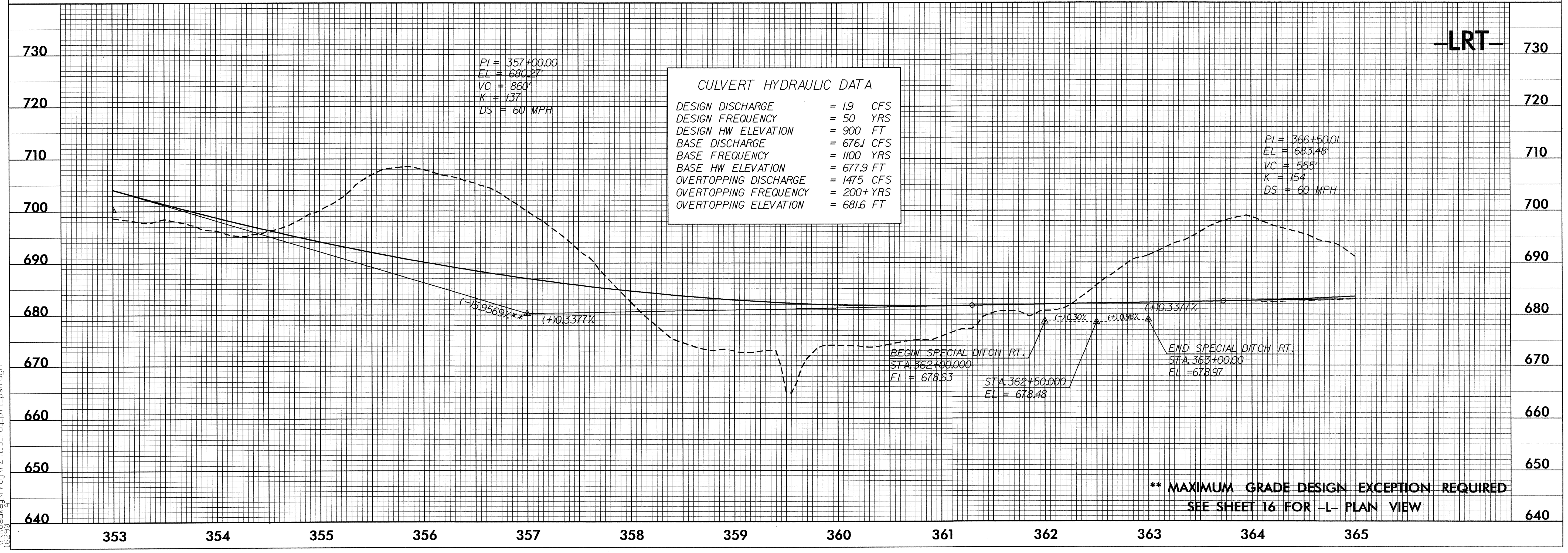
04-OCT-2004 18:50
P:\Roadway\Proj\N-2911d_rdy-pl.psh.dgn
12:50

CULVERT HYDRAULIC DATA

DESIGN DISCHARGE = 1.9 CFS
 DESIGN FREQUENCY = 50 YRS
 DESIGN HW ELEVATION = 900 FT
 BASE DISCHARGE = 676J CFS
 BASE FREQUENCY = 1100 YRS
 BASE HW ELEVATION = 677.9 FT
 OVERTOPPING DISCHARGE = 1475 CFS
 OVERTOPPING FREQUENCY = 200+ YRS
 OVERTOPPING ELEVATION = 681.6 FT

PI = 357+00.00
 EL = 680.27'
 VC = 860'
 K = 137
 DS = 60 MPH

PI = 366+50.01
 EL = 683.48'
 VC = 555'
 K = 154
 DS = 60 MPH



BEGIN SPECIAL DITCH RT.
 STA. 362+00.000
 EL = 678.63

STA. 362+50.000
 EL = 678.48

END SPECIAL DITCH RT.
 STA. 363+00.000
 EL = 678.97

-LRT-