

6/09/09

DITCH LEGEND  
LEFT DITCH - - - - -

PROJECT REFERENCE NO. R-0513BA  
ROADWAY DESIGN ENGINEER

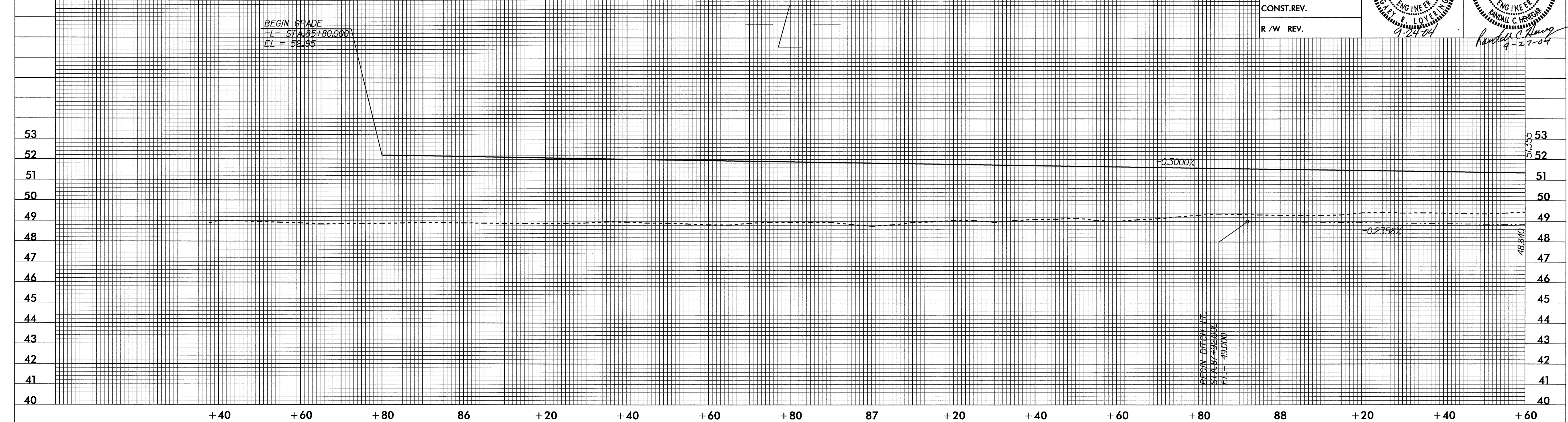
SHEET NO. 27  
HYDRAULICS ENGINEER

5 0 10

CONST. REV.  
R / W REV.

SEAL 25873  
ENGINEER  
R. LOVERING  
9-24-04

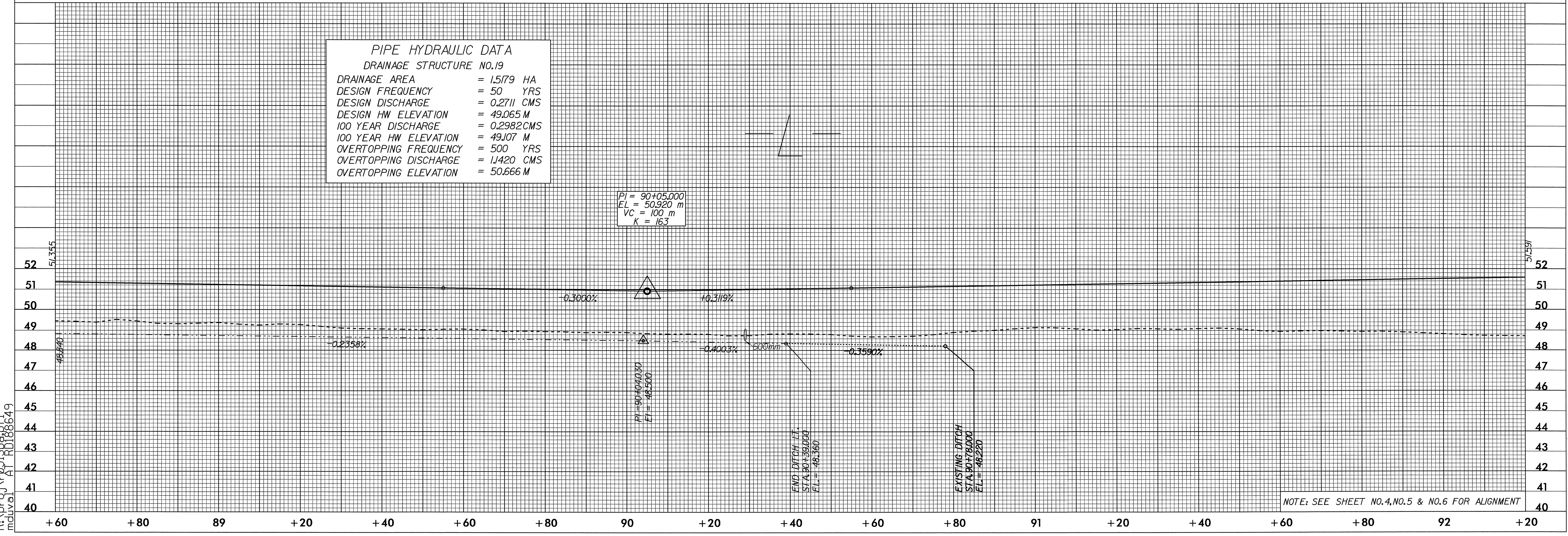
SEAL 16600  
ENGINEER  
RANDALL C. HENNING  
9-27-04



**PIPE HYDRAULIC DATA**  
DRAINAGE STRUCTURE NO. 19

DRAINAGE AREA	= 1.5179 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 0.2711 CMS
DESIGN HW ELEVATION	= 49.065 M
100 YEAR DISCHARGE	= 0.2982 CMS
100 YEAR HW ELEVATION	= 49.107 M
OVERTOPPING FREQUENCY	= 500 YRS
OVERTOPPING DISCHARGE	= 1.1420 CMS
OVERTOPPING ELEVATION	= 50.666 M

PI = 90+05.000  
EL = 50.920 m  
VC = 100 m  
K = 163



NOTE: SEE SHEET NO. 4, NO. 5 & NO. 6 FOR ALIGNMENT

20-SEP-2004 13:36  
R:\proj\1\0513\868f1\mduvel AT RD188649