

10/26/20

-S/R 5-

PROJECT REFERENCE NO. R-513 BB SHEET NO. 53

ROADWAY DESIGN ENGINEER 06-03-04

HYDRAULICS ENGINEER

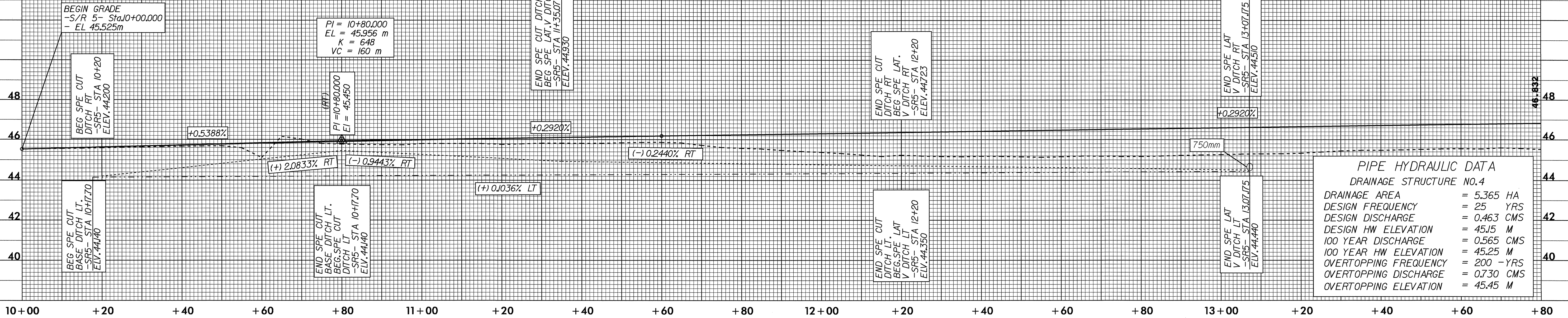
CONST. REV.

R / W REV.

SEAL 17691

SEAL 16600

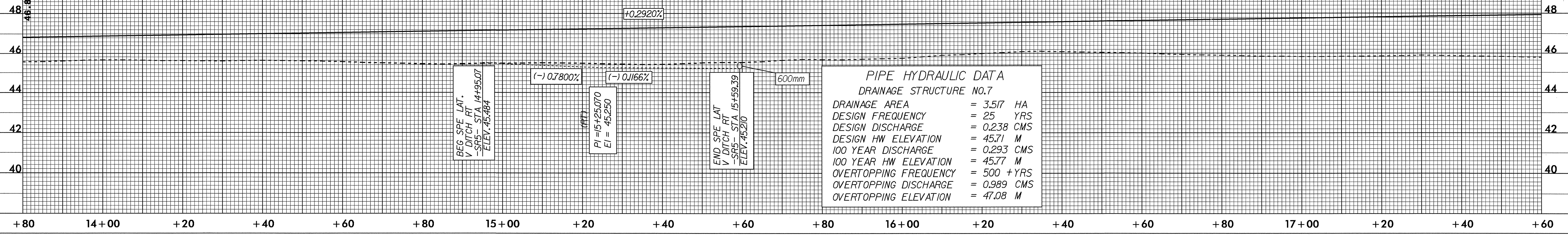
18-07



PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.4

DRAINAGE AREA	= 5.365 HA
DESIGN FREQUENCY	= 25 YRS
DESIGN DISCHARGE	= 0.463 CMS
DESIGN HW ELEVATION	= 45.15 M
100 YEAR DISCHARGE	= 0.565 CMS
100 YEAR HW ELEVATION	= 45.25 M
OVERTOPPING FREQUENCY	= 200 -YRS
OVERTOPPING DISCHARGE	= 0.730 CMS
OVERTOPPING ELEVATION	= 45.45 M

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PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.7

DRAINAGE AREA	= 3.517 HA
DESIGN FREQUENCY	= 25 YRS
DESIGN DISCHARGE	= 0.238 CMS
DESIGN HW ELEVATION	= 45.71 M
100 YEAR DISCHARGE	= 0.293 CMS
100 YEAR HW ELEVATION	= 45.77 M
OVERTOPPING FREQUENCY	= 500 +YRS
OVERTOPPING DISCHARGE	= 0.989 CMS
OVERTOPPING ELEVATION	= 47.08 M

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