

6/10/09/09

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ENGINEERS • PLANNERS • ECOLOGISTS

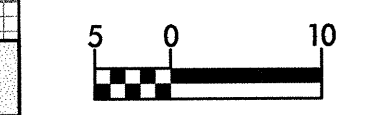
WETHERILL
ENGINEERING
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION



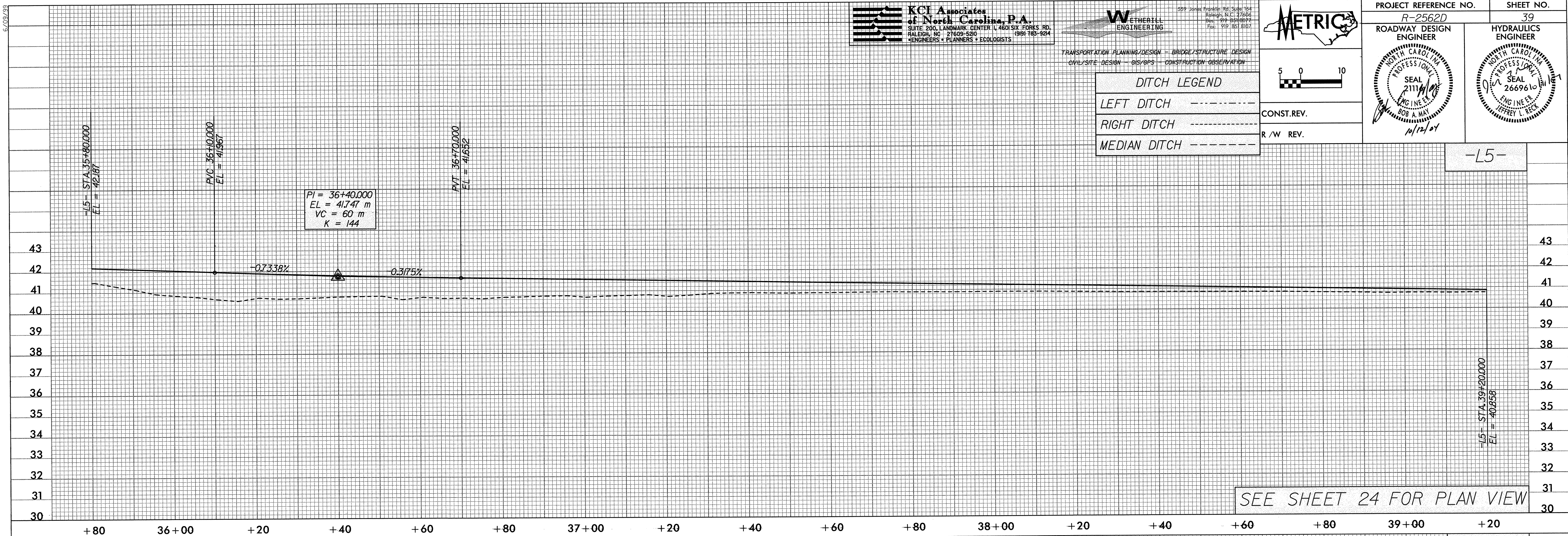
PROJECT REFERENCE NO. R-2562D	SHEET NO. 39
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 SEAL 21111 ENGINEER BOB A. MAY 12/12/11	 SEAL 26696 ENGINEER JEFFREY L. RECK

DITCH LEGEND

LEFT DITCH	---
RIGHT DITCH	---
MEDIAN DITCH	---

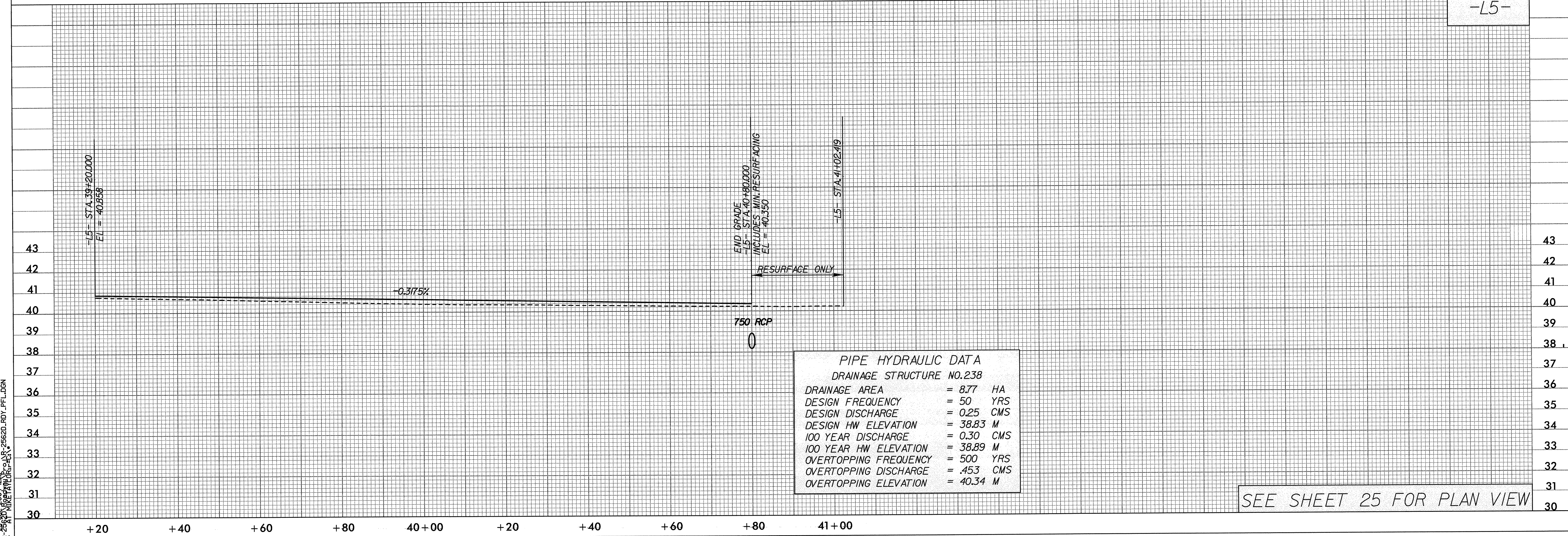


CONST. REV.
R/W REV.



SEE SHEET 24 FOR PLAN VIEW

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PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.238

DRAINAGE AREA	= 8.77 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 0.25 CMS
DESIGN HW ELEVATION	= 38.83 M
100 YEAR DISCHARGE	= 0.30 CMS
100 YEAR HW ELEVATION	= 38.89 M
OVERTOPPING FREQUENCY	= 500 YRS
OVERTOPPING DISCHARGE	= .453 CMS
OVERTOPPING ELEVATION	= 40.34 M

SEE SHEET 25 FOR PLAN VIEW