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5/28/99

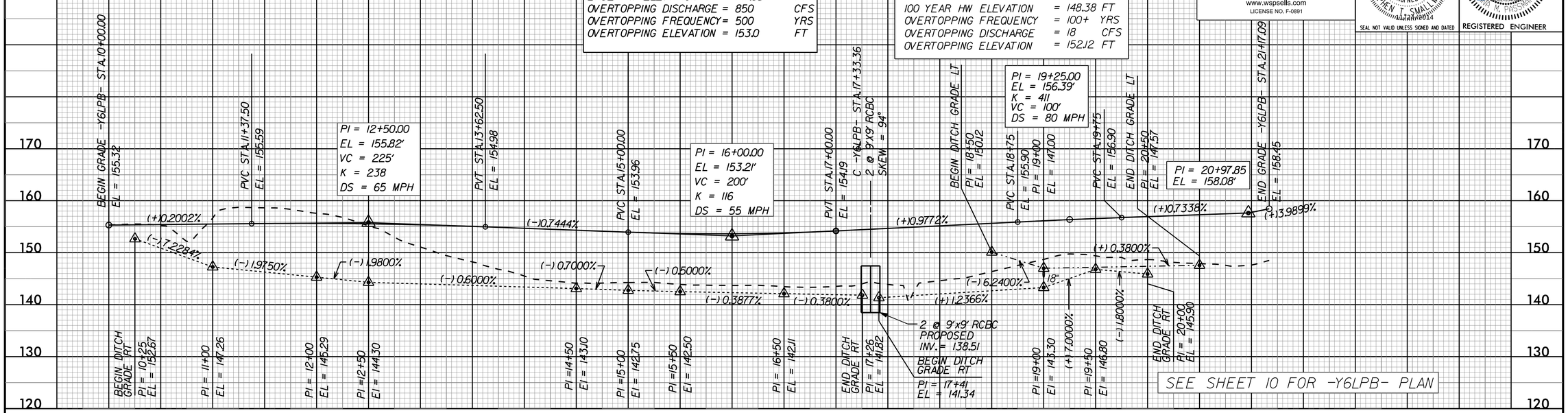
-Y6LPB-

CULVERT HYDRAULIC DATA

DESIGN DISCHARGE	= 400	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 146.8	FT
BASE DISCHARGE	= 490	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 147.65	FT
OVERTOPPING DISCHARGE	= 850	CFS
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING ELEVATION	= 153.0	FT

PIPE HYDRAULIC DATA

DRAINAGE AREA	= 1.31	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 4.4	CFS
DESIGN HW ELEVATION	= 148.23	FT
100 YEAR DISCHARGE	= 5	CFS
100 YEAR HW ELEVATION	= 148.38	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	= 18	CFS
OVERTOPPING ELEVATION	= 152.12	FT



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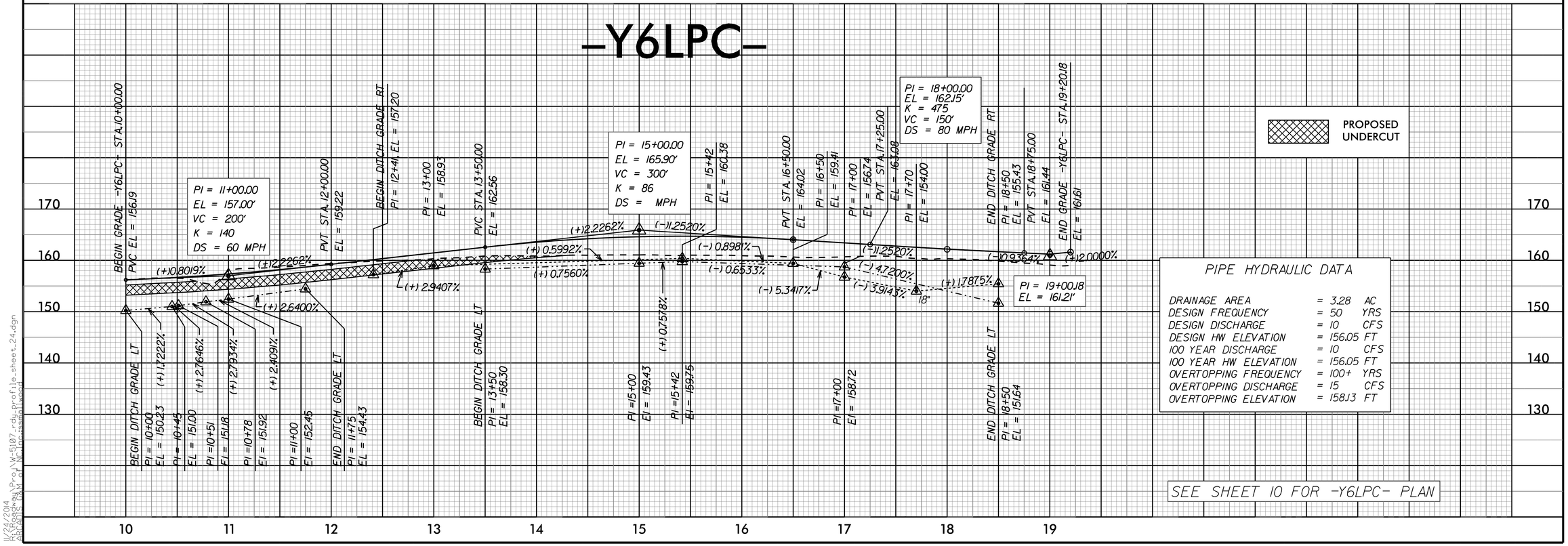

PIPE HYDRAULIC DATA

DRAINAGE AREA	= 3.28	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 10	CFS
DESIGN HW ELEVATION	= 156.05	FT
100 YEAR DISCHARGE	= 10	CFS
100 YEAR HW ELEVATION	= 156.05	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	= 15	CFS
OVERTOPPING ELEVATION	= 158.13	FT

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W-5107	24

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 022037 ENGINEER STEPHEN T. SMALLWOOD
SEAL NOT VALID UNLESS SIGNED AND DATED

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 26306 ENGINEER LAURA M. PASSMAN
REGISTERED ENGINEER

1/24/2014
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