Docusign Envelope ID: 70956BC8-8770-4C7D-915F-685DCDE80B2D

5/14/99

PROJECT REFERENCE NO.	SHEET NO.
U-5899	10

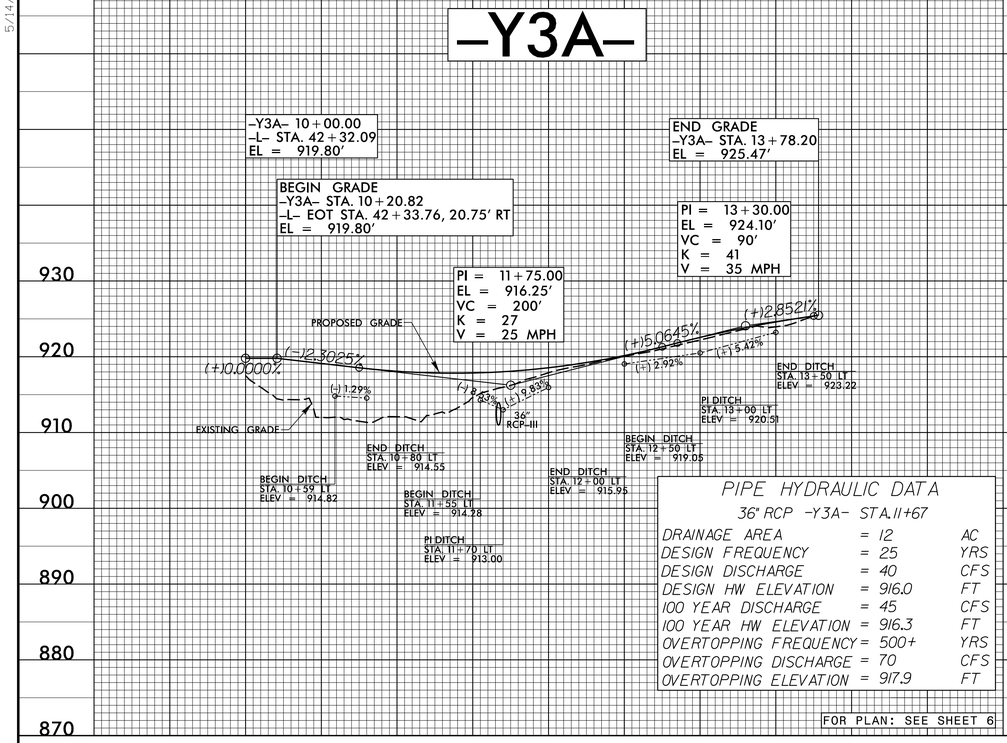
ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 21102 ENGINEER
Signed by:
27-May-2022 | 10:37 AM EDT
MOTT MACDONALD I & E, LLC
LICENSE NO. F-0669

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 34364 ENGINEER
Signed by:
27-May-2022 | 10:37 AM EDT
MOTT MACDONALD I & E, LLC
LICENSE NO. F-0669

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of:
MOTT MACDONALD
930 Main Campus Drive, Suite 200
Raleigh, NC 27606
www.mottmac.com

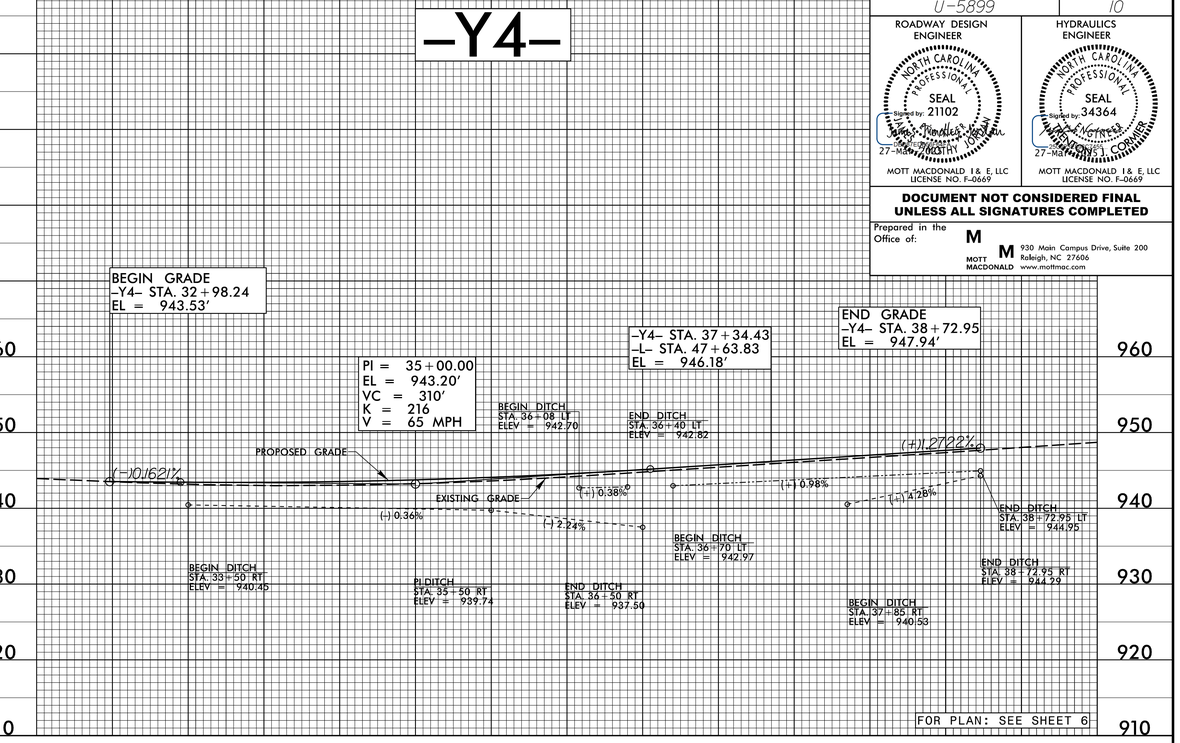
-Y3A-



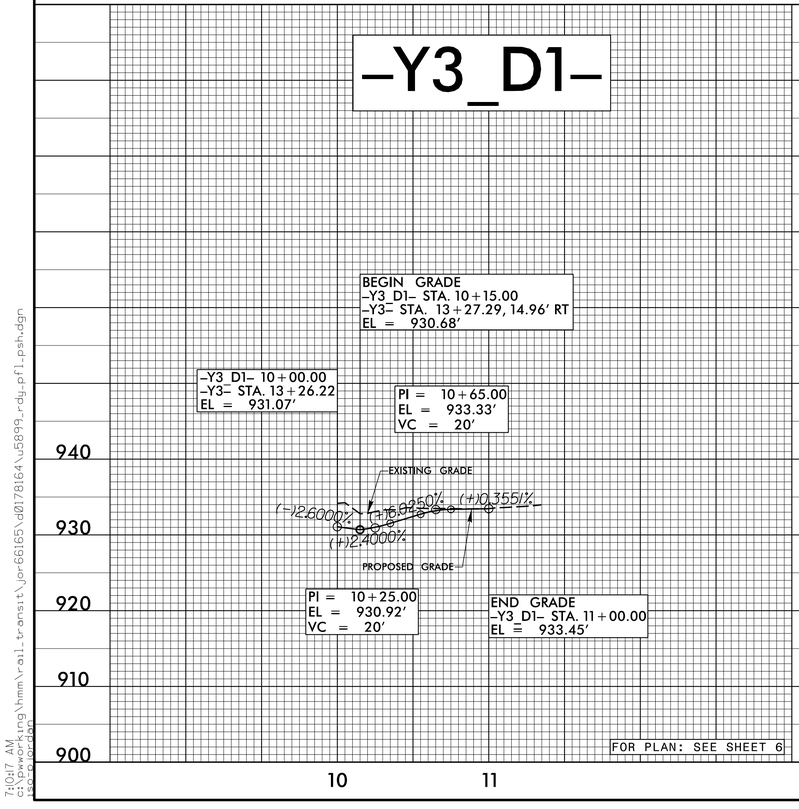
PIPE HYDRAULIC DATA
36" RCP -Y3A- STA.11+67

DRAINAGE AREA	= 12	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 40	CFS
DESIGN HW ELEVATION	= 916.0	FT
100 YEAR DISCHARGE	= 45	CFS
100 YEAR HW ELEVATION	= 916.3	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 70	CFS
OVERTOPPING ELEVATION	= 917.9	FT

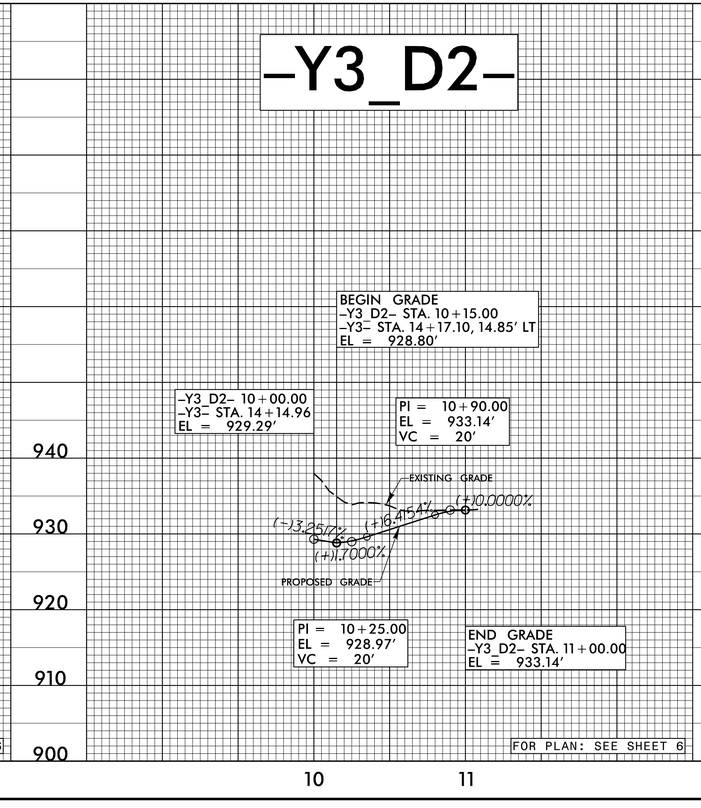
-Y4-



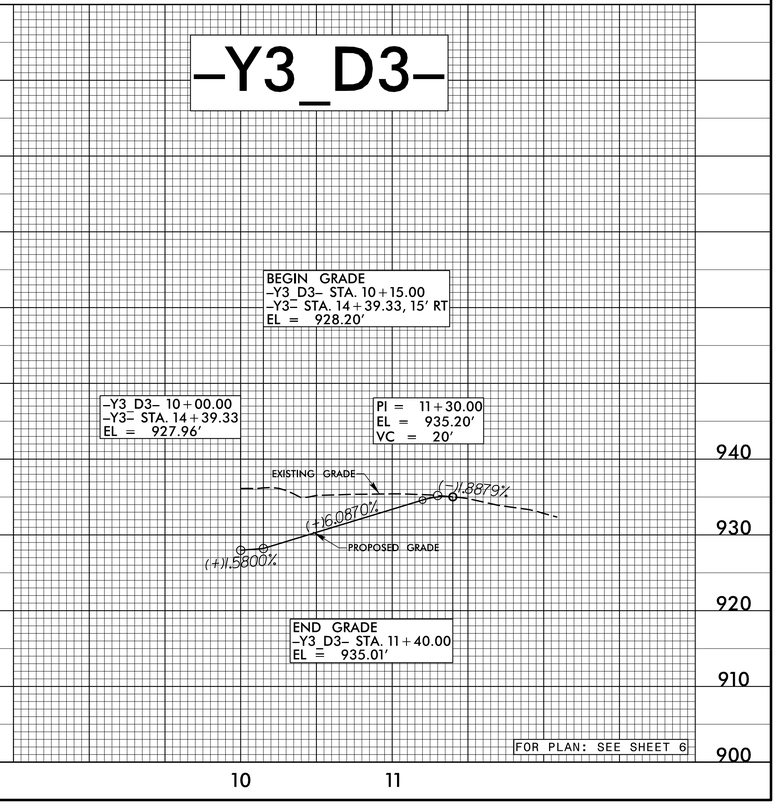
-Y3_D1-



-Y3_D2-



-Y3_D3-



7:10:17 AM
C:\pwworking\hmm\rail_transit\jor66165\d0178164\u5899_rdy_pfl_psh.dgn
ISO_Portrait