

5/14/1999

PROJECT REFERENCE NO. U-5725/R-3822	SHEET NO. 27
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

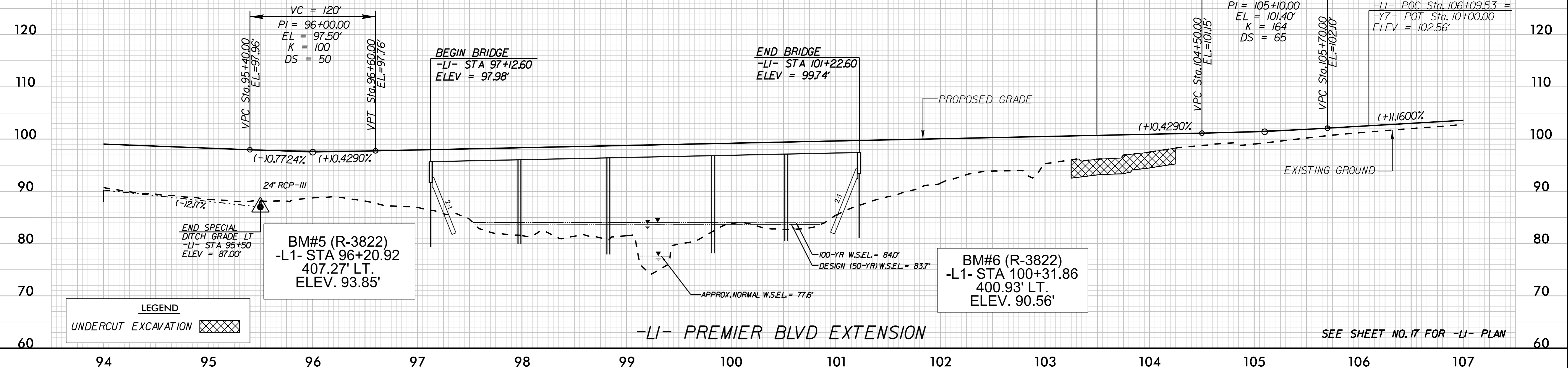
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CULVERT HYDRAULIC DATA
1 @ 18" RCP-III (ENTRANCE) 24" UNDER -LI- (DO NOT BURY)

DESIGN DISCHARGE	= 5.90 CFS
DESIGN FREQUENCY	= 25 YRS
DESIGN HW ELEVATION	= 88.43 FT
BASE DISCHARGE	= 6.80 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 88.57 FT
OVERTOPPING DISCHARGE	= N/A
OVERTOPPING FREQUENCY	= N/A
OVERTOPPING ELEVATION	= N/A

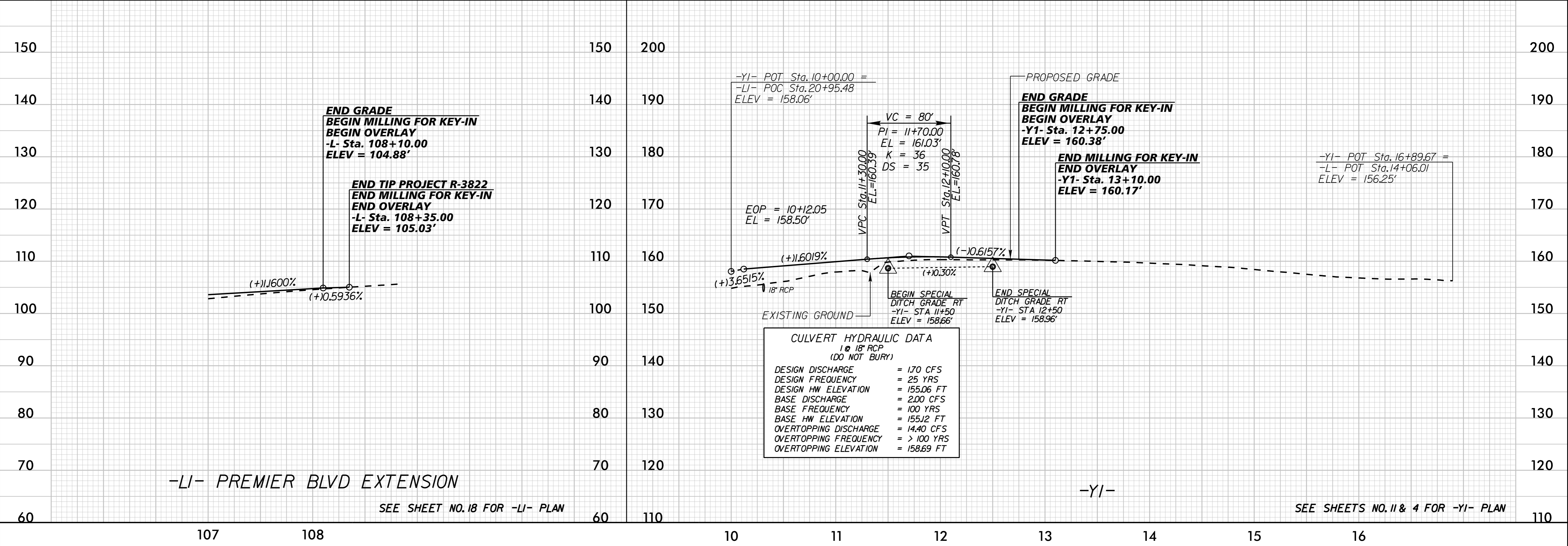
BRIDGE HYDRAULIC DATA
2@85', 1@100', 2@70' PRESTRESSED CONCRETE GIRDERS

DESIGN DISCHARGE	= 1600 CFS
DESIGN FREQUENCY	= 50 YRS
DESIGN HW ELEVATION	= 83.7 FT
BASE DISCHARGE	= 1900 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 84.0 FT
OVERTOPPING DISCHARGE	= 47.800 CFS
OVERTOPPING FREQUENCY	= >500 YRS
OVERTOPPING ELEVATION	= 97.7



LEGEND
UNDERCUT EXCAVATION

SEE SHEET NO. 17 FOR -LI- PLAN



CULVERT HYDRAULIC DATA
1 @ 18" RCP (DO NOT BURY)

DESIGN DISCHARGE	= 1.70 CFS
DESIGN FREQUENCY	= 25 YRS
DESIGN HW ELEVATION	= 155.06 FT
BASE DISCHARGE	= 2.00 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 155.12 FT
OVERTOPPING DISCHARGE	= 14.40 CFS
OVERTOPPING FREQUENCY	= > 100 YRS
OVERTOPPING ELEVATION	= 158.69 FT

-LI- PREMIER BLVD EXTENSION

-YI-

SEE SHEET NO. 18 FOR -LI- PLAN

SEE SHEETS NO. 11 & 4 FOR -YI- PLAN

6/28/2018