

5/14/19

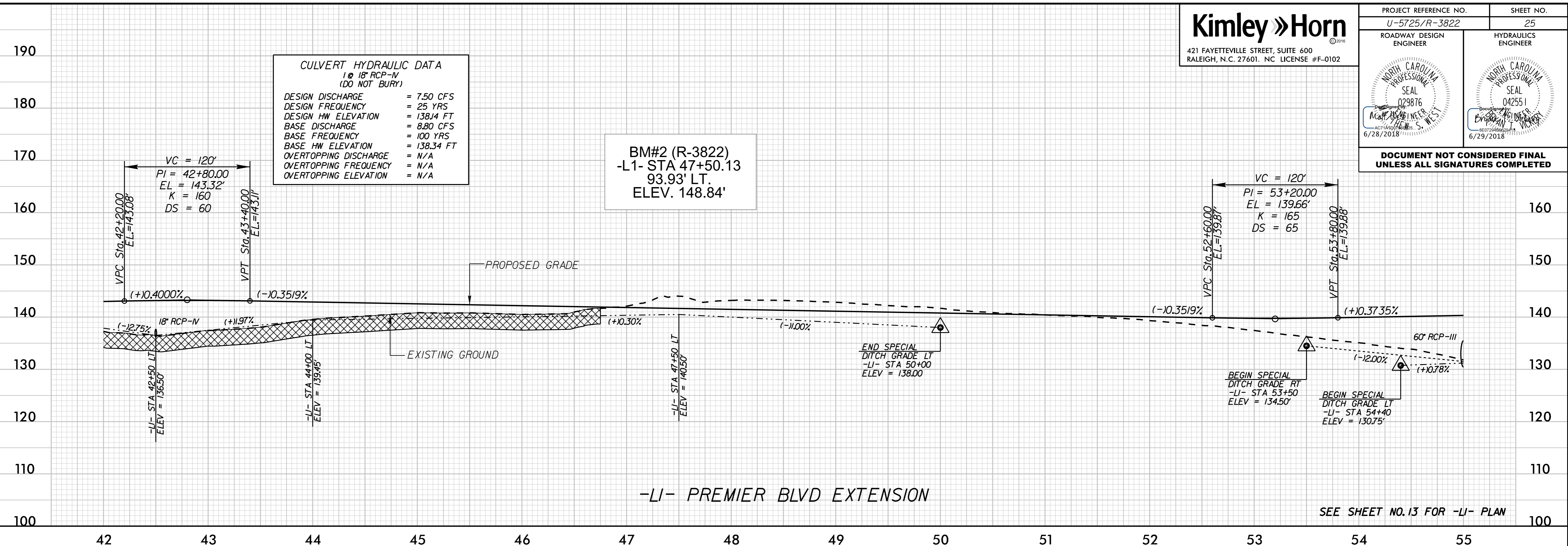
PROJECT REFERENCE NO. U-5725/R-3822	SHEET NO. 25
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

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

DESIGN DISCHARGE = 7.50 CFS
DESIGN FREQUENCY = 25 YRS
DESIGN HW ELEVATION = 138.14 FT
BASE DISCHARGE = 8.80 CFS
BASE FREQUENCY = 100 YRS
BASE HW ELEVATION = 138.34 FT
OVERTOPPING DISCHARGE = N/A
OVERTOPPING FREQUENCY = N/A
OVERTOPPING ELEVATION = N/A

BM#2 (R-3822)
-L1- STA 47+50.13
93.93' LT.
ELEV. 148.84'



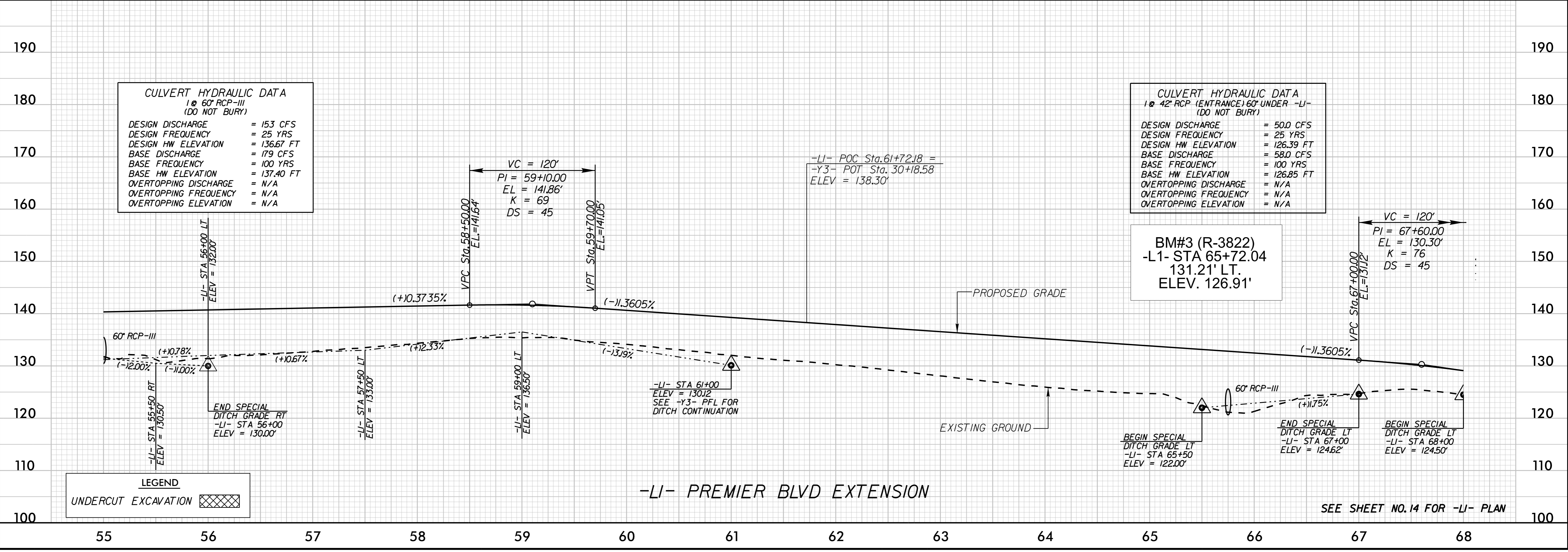
CULVERT HYDRAULIC DATA
1 @ 60" RCP-III
(DO NOT BURY)

DESIGN DISCHARGE = 153 CFS
DESIGN FREQUENCY = 25 YRS
DESIGN HW ELEVATION = 136.67 FT
BASE DISCHARGE = 179 CFS
BASE FREQUENCY = 100 YRS
BASE HW ELEVATION = 137.40 FT
OVERTOPPING DISCHARGE = N/A
OVERTOPPING FREQUENCY = N/A
OVERTOPPING ELEVATION = N/A

CULVERT HYDRAULIC DATA
1 @ 42" RCP (ENTRANCE) 60" UNDER -L1-
(DO NOT BURY)

DESIGN DISCHARGE = 50.0 CFS
DESIGN FREQUENCY = 25 YRS
DESIGN HW ELEVATION = 126.39 FT
BASE DISCHARGE = 58.0 CFS
BASE FREQUENCY = 100 YRS
BASE HW ELEVATION = 126.85 FT
OVERTOPPING DISCHARGE = N/A
OVERTOPPING FREQUENCY = N/A
OVERTOPPING ELEVATION = N/A

BM#3 (R-3822)
-L1- STA 65+72.04
131.21' LT.
ELEV. 126.91'



LEGEND
UNDERCUT EXCAVATION

SEE SHEET NO. 14 FOR -L1- PLAN

6/28/2018