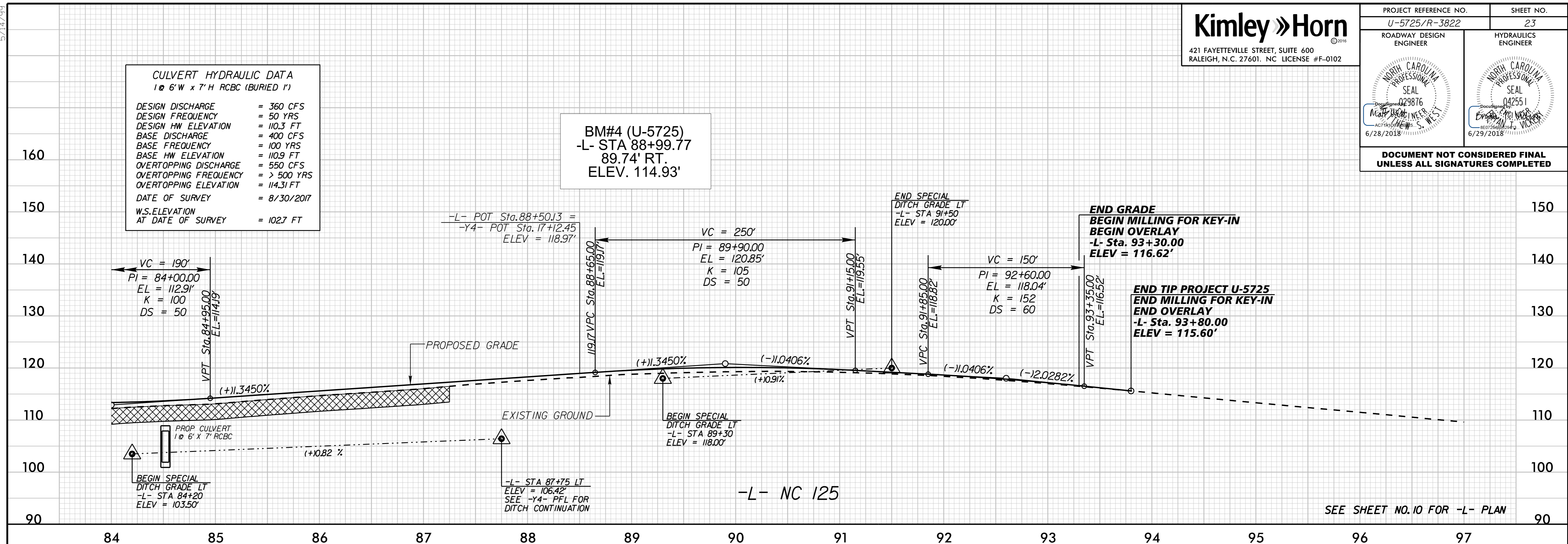


| | |
|--|---------------------|
| PROJECT REFERENCE NO. U-5725/R-3822 | SHEET NO. 23 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |
| | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

CULVERT HYDRAULIC DATA
1 @ 6'W x 7'H RCBC (BURIED 1')

| | |
|----------------------------------|-------------|
| DESIGN DISCHARGE | = 360 CFS |
| DESIGN FREQUENCY | = 50 YRS |
| DESIGN HW ELEVATION | = 110.3 FT |
| BASE DISCHARGE | = 400 CFS |
| BASE FREQUENCY | = 100 YRS |
| BASE HW ELEVATION | = 110.9 FT |
| OVERTOPPING DISCHARGE | = 550 CFS |
| OVERTOPPING FREQUENCY | = > 500 YRS |
| OVERTOPPING ELEVATION | = 114.31 FT |
| DATE OF SURVEY | = 8/30/2017 |
| W.S. ELEVATION AT DATE OF SURVEY | = 102.7 FT |

BM#4 (U-5725)
-L- STA 88+99.77
89.74' RT.
ELEV. 114.93'



SEE SHEET NO. 10 FOR -L- PLAN

**BEGIN MILLING FOR KEY-IN
BEGIN OVERLAY**
-L1- Sta. 14+95.00
ELEV = 160.27'

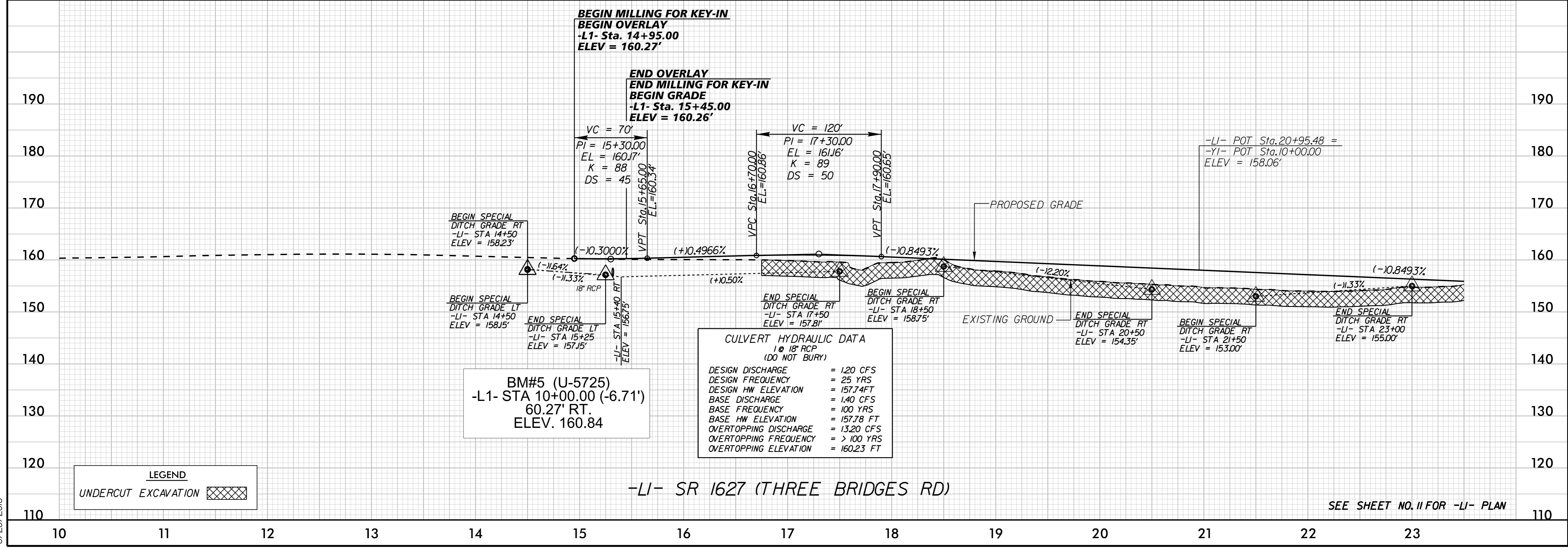
**END OVERLAY
END MILLING FOR KEY-IN
BEGIN GRADE**
-L1- Sta. 15+45.00
ELEV = 160.26'

BM#5 (U-5725)
-L1- STA 10+00.00 (-6.71')
60.27' RT.
ELEV. 160.84

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

| | |
|-----------------------|-------------|
| DESIGN DISCHARGE | = 120 CFS |
| DESIGN FREQUENCY | = 25 YRS |
| DESIGN HW ELEVATION | = 157.74 FT |
| BASE DISCHARGE | = 140 CFS |
| BASE FREQUENCY | = 100 YRS |
| BASE HW ELEVATION | = 157.78 FT |
| OVERTOPPING DISCHARGE | = 13.20 CFS |
| OVERTOPPING FREQUENCY | = > 100 YRS |
| OVERTOPPING ELEVATION | = 160.23 FT |

-L1- POT Sta. 20+95.48 =
-Y1- POT Sta. 10+00.00
ELEV = 158.06'



SEE SHEET NO. 11 FOR -L1- PLAN

LEGEND
UNDERCUT EXCAVATION

5/14/1999

6/28/2018