

5/14/99

NC LICENSE #F-0102  
200 SOUTH TRYON, SUITE 200  
CHARLOTTE, N.C. 28202

RIGHT-OF-WAY REV.  
CONST. REV.

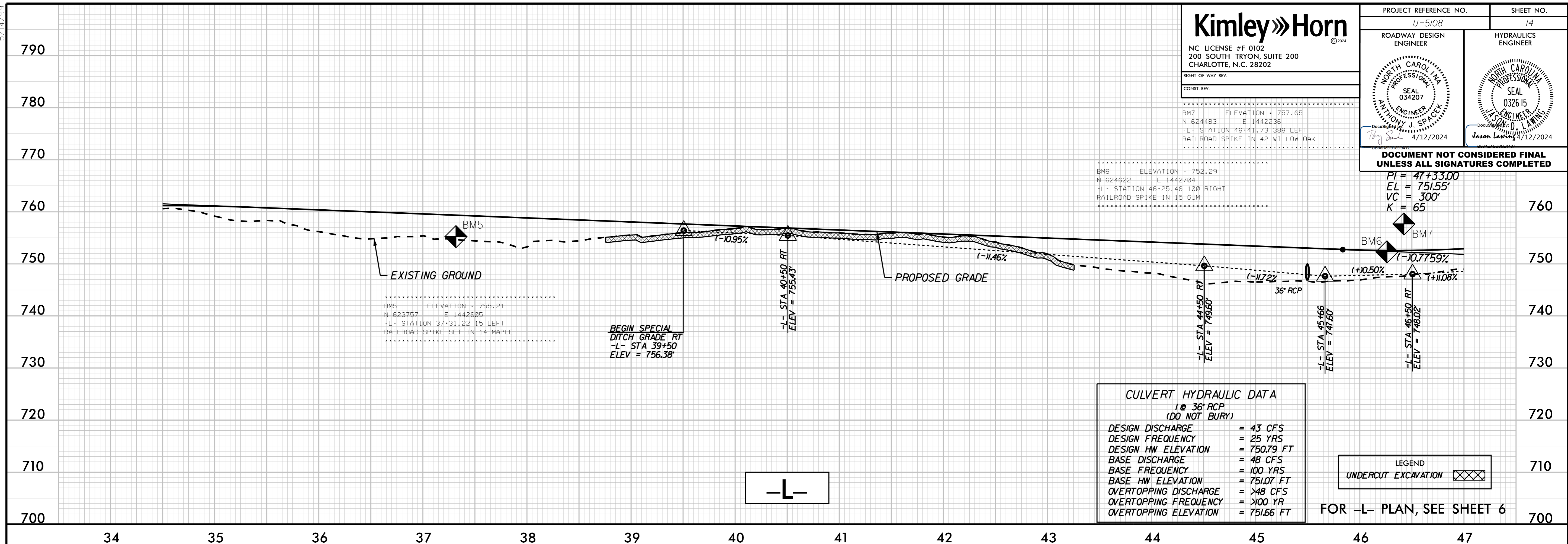
BM7 ELEVATION = 757.65  
N 624483 E 1442236  
L- STATION 46+41.73 388 LEFT  
RAILROAD SPIKE IN 42 WILLOW OAK

BM6 ELEVATION = 752.29  
N 624622 E 1442704  
L- STATION 46+25.46 100 RIGHT  
RAILROAD SPIKE IN 15 GUM

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DocuSign 4/12/2024	DocuSign 4/12/2024

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

PI = 47+33.00  
EL = 751.55'  
VC = 300'  
K = 65



**CULVERT HYDRAULIC DATA**  
1 @ 36" RCP  
(DO NOT BURY)

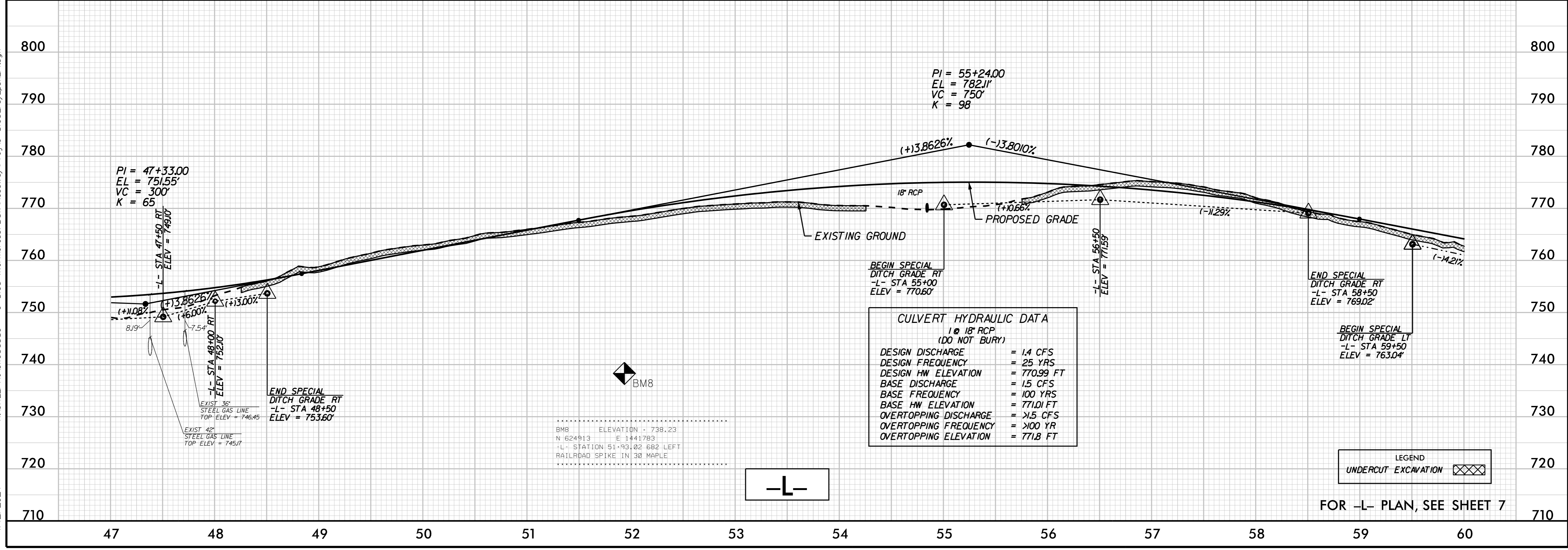
DESIGN DISCHARGE	= 43 CFS
DESIGN FREQUENCY	= 25 YRS
DESIGN HW ELEVATION	= 750.79 FT
BASE DISCHARGE	= 48 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 751.07 FT
OVERTOPPING DISCHARGE	= >48 CFS
OVERTOPPING FREQUENCY	= >100 YR
OVERTOPPING ELEVATION	= 751.66 FT

LEGEND  
UNDERCUT EXCAVATION

FOR -L- PLAN, SEE SHEET 6

K:\CHL\_P\01036359 - U-5108 (Northcross)\DS\Roadway\Proj\U-5108\_rdy\_psh\_14.dgn

4/12/2024



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

DESIGN DISCHARGE	= 1.4 CFS
DESIGN FREQUENCY	= 25 YRS
DESIGN HW ELEVATION	= 770.99 FT
BASE DISCHARGE	= 15 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 771.01 FT
OVERTOPPING DISCHARGE	= >15 CFS
OVERTOPPING FREQUENCY	= >100 YR
OVERTOPPING ELEVATION	= 771.8 FT

LEGEND  
UNDERCUT EXCAVATION

FOR -L- PLAN, SEE SHEET 7