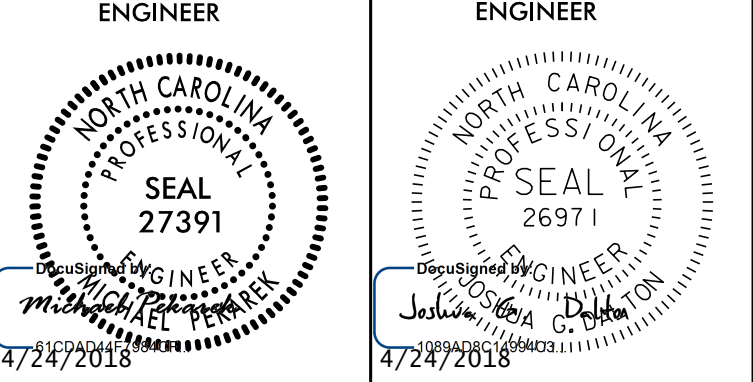
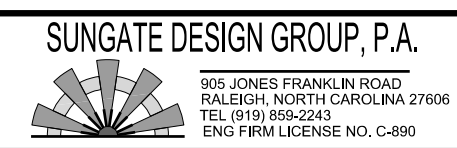


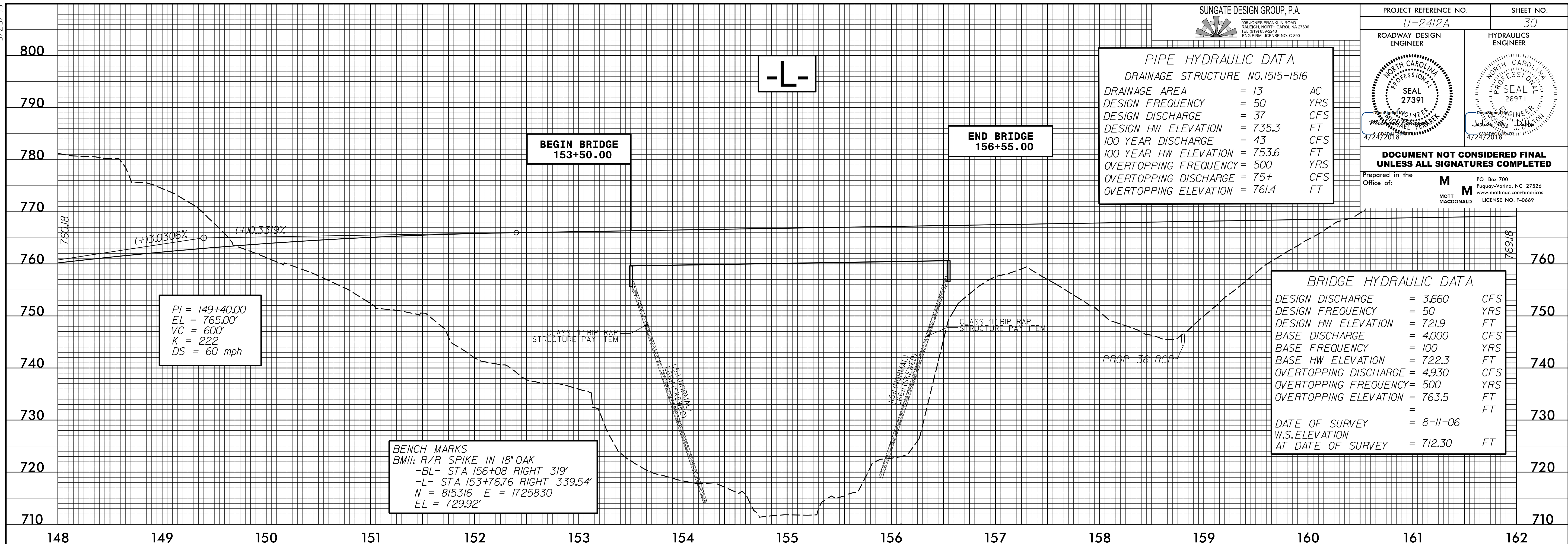
5/28/19



PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.1515-1516

DRAINAGE AREA	= 13	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 37	CFS
DESIGN HW ELEVATION	= 735.3	FT
100 YEAR DISCHARGE	= 43	CFS
100 YEAR HW ELEVATION	= 753.6	FT
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING DISCHARGE	= 75+	CFS
OVERTOPPING ELEVATION	= 761.4	FT

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

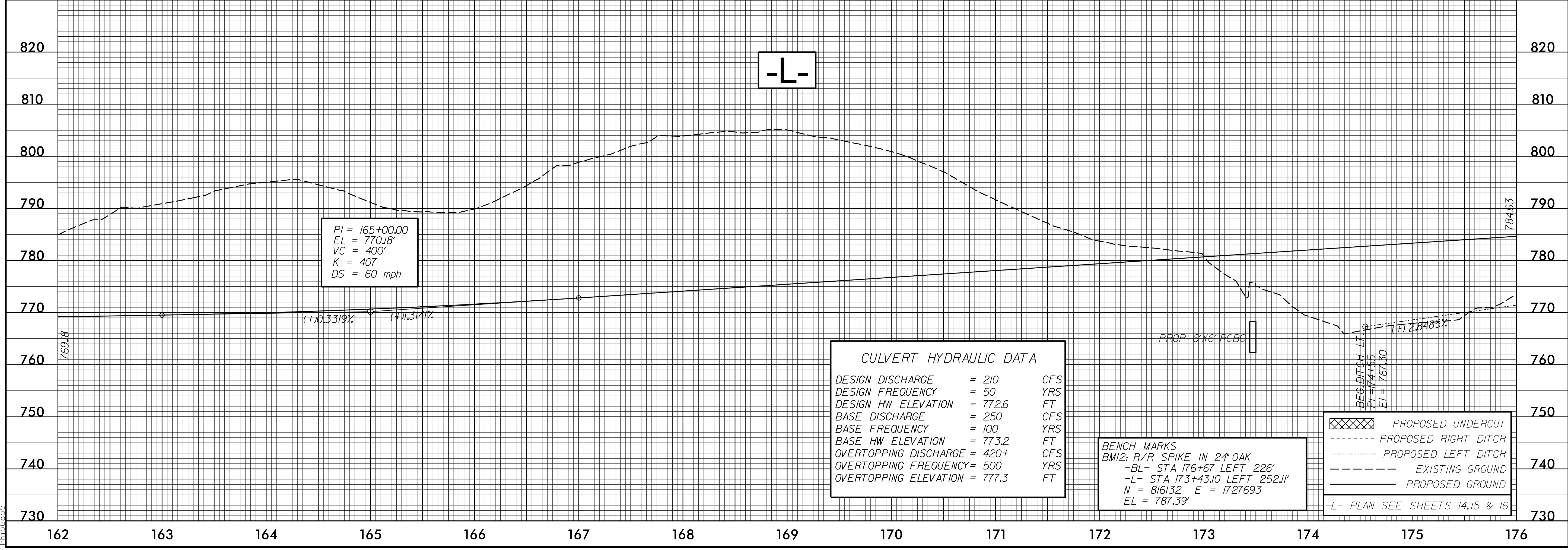


BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 3,660	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 721.9	FT
BASE DISCHARGE	= 4,000	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 722.3	FT
OVERTOPPING DISCHARGE	= 4,930	CFS
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING ELEVATION	= 763.5	FT
DATE OF SURVEY	= 8-11-06	
W.S. ELEVATION AT DATE OF SURVEY	= 712.30	FT

BENCH MARKS
 BM1: R/R SPIKE IN 18" OAK
 -BL- STA 156+08 RIGHT 319'
 -L- STA 153+76.76 RIGHT 339.54'
 N = 815316 E = 1725830
 EL = 729.92'

PI = 149+40.00
 EL = 765.00'
 VC = 600'
 K = 222
 DS = 60 mph



CULVERT HYDRAULIC DATA

DESIGN DISCHARGE	= 210	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 772.6	FT
BASE DISCHARGE	= 250	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 773.2	FT
OVERTOPPING DISCHARGE	= 420+	CFS
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING ELEVATION	= 777.3	FT

BENCH MARKS
 BM2: R/R SPIKE IN 24" OAK
 -BL- STA 176+67 LEFT 226'
 -L- STA 173+43.00 LEFT 252.11'
 N = 816132 E = 1727693
 EL = 787.39'

- PROPOSED UNDERCUT
- PROPOSED RIGHT DITCH
- PROPOSED LEFT DITCH
- EXISTING GROUND
- PROPOSED GROUND

-L- PLAN SEE SHEETS 14,15 & 16

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 P1:166365