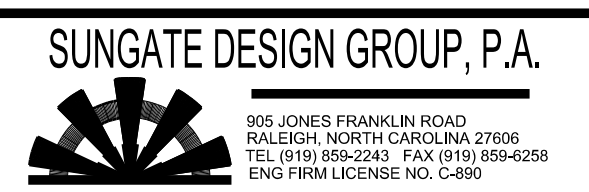
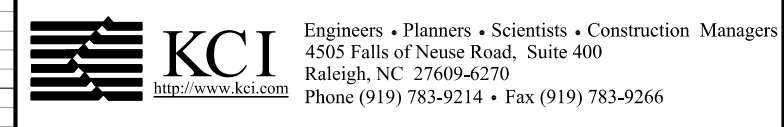
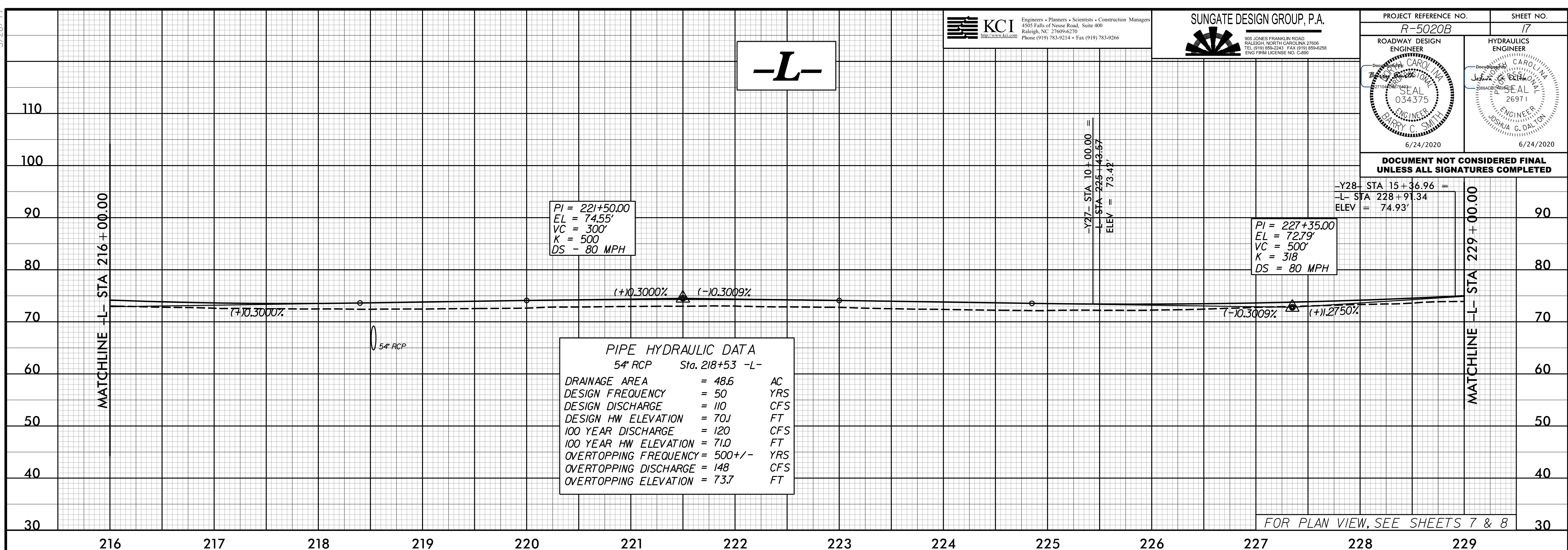


5/28/20



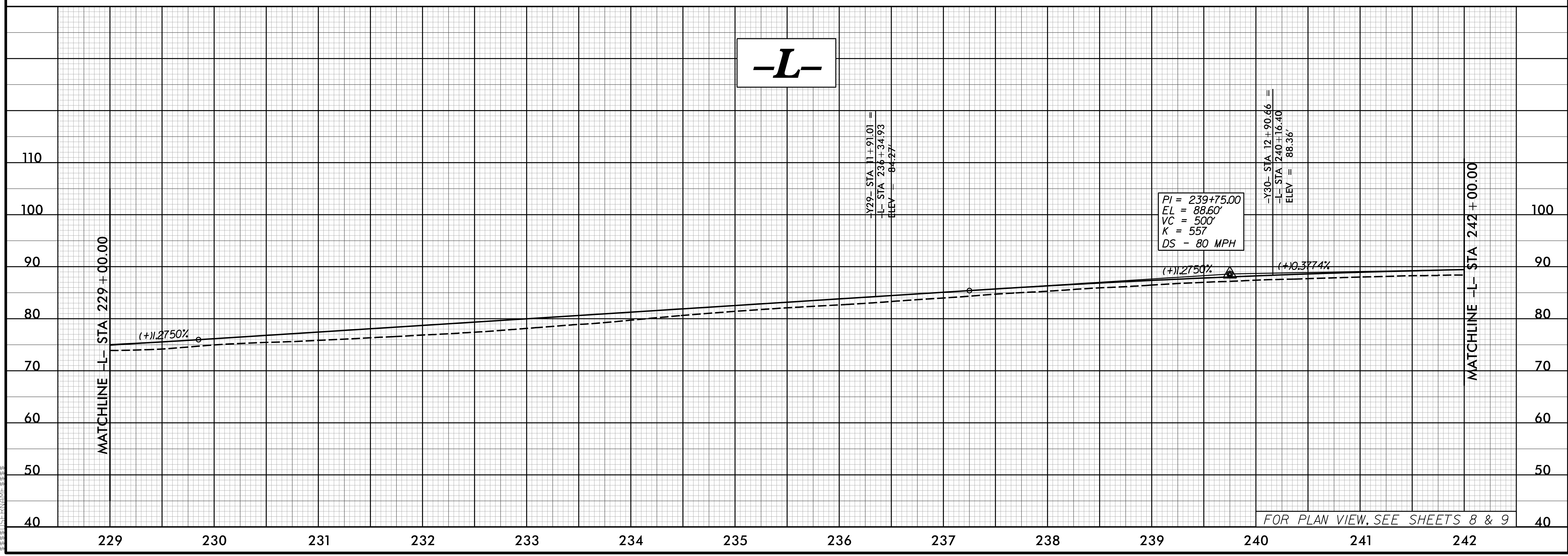
PROJECT REFERENCE NO. <b>R-5020B</b>	SHEET NO. <b>17</b>
ROADWAY DESIGN ENGINEER SEAL 034375 BARRY C. SMITH 6/24/2020	HYDRAULICS ENGINEER SEAL 26971 JOSHUA S. DALTON 6/24/2020

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



PIPE HYDRAULIC DATA		
54" RCP Sta. 218+53 -L-		
DRAINAGE AREA	= 48.6	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 110	CFS
DESIGN HW ELEVATION	= 70.1	FT
100 YEAR DISCHARGE	= 120	CFS
100 YEAR HW ELEVATION	= 71.0	FT
OVERTOPPING FREQUENCY	= 500+/-	YRS
OVERTOPPING DISCHARGE	= 148	CFS
OVERTOPPING ELEVATION	= 73.7	FT

FOR PLAN VIEW, SEE SHEETS 7 & 8



FOR PLAN VIEW, SEE SHEETS 8 & 9

R:\APR-2020\1128\1128.dwg, 11/28/2019 10:16:39 AM, NCDDOT R-5020B US 701 Widening\Roadway\Proj\R-5020B\_Rdy.pfl\_sheet\_layout.dgn