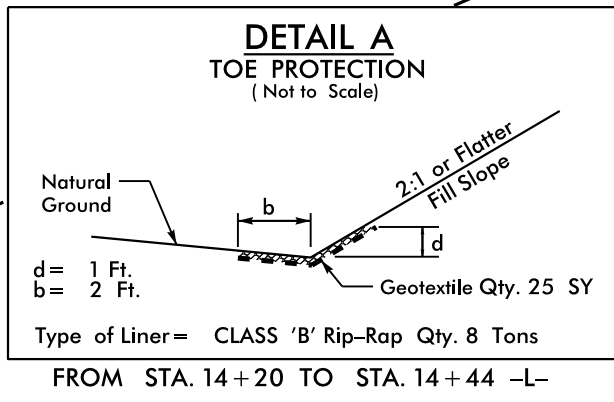
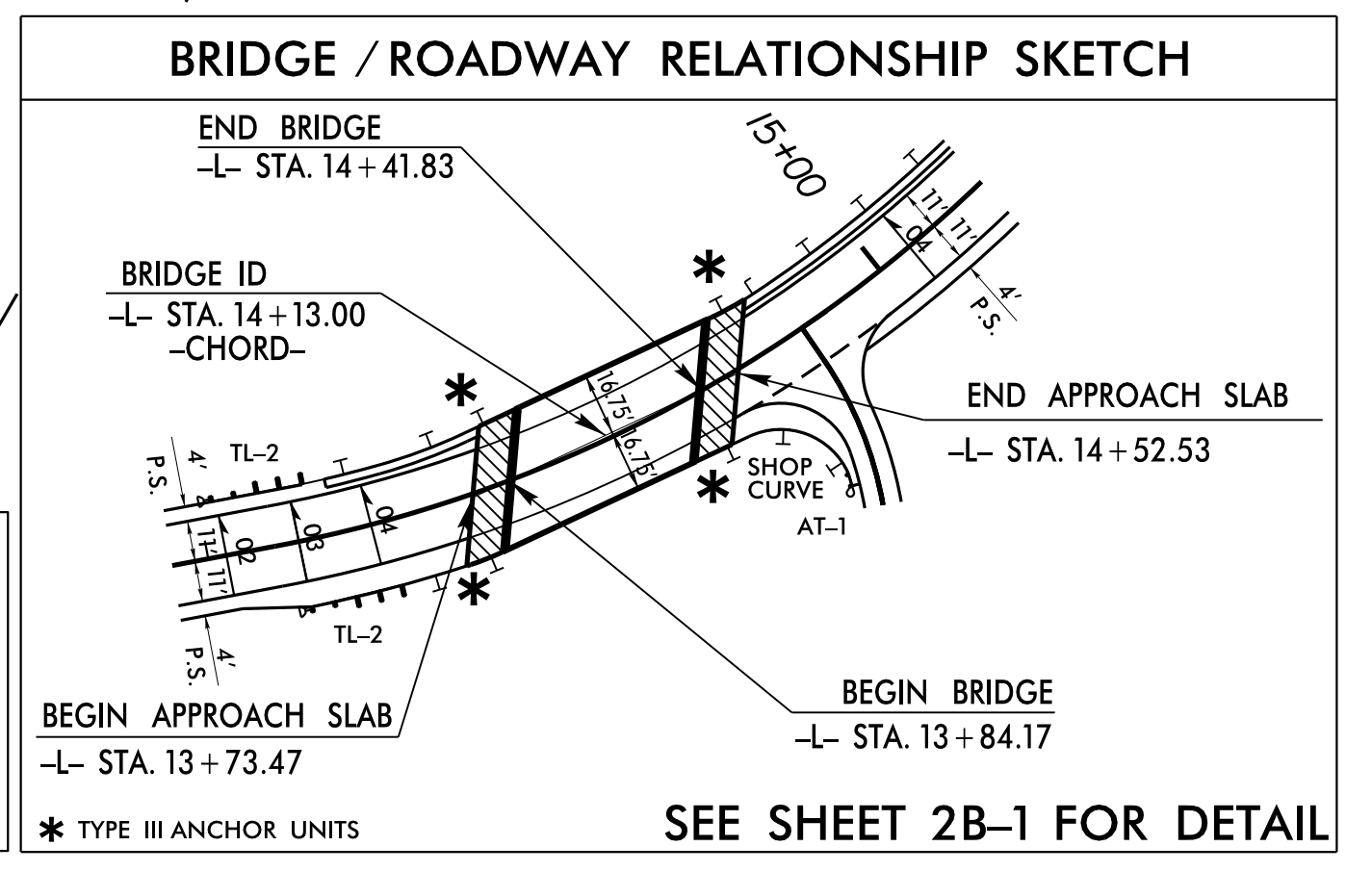
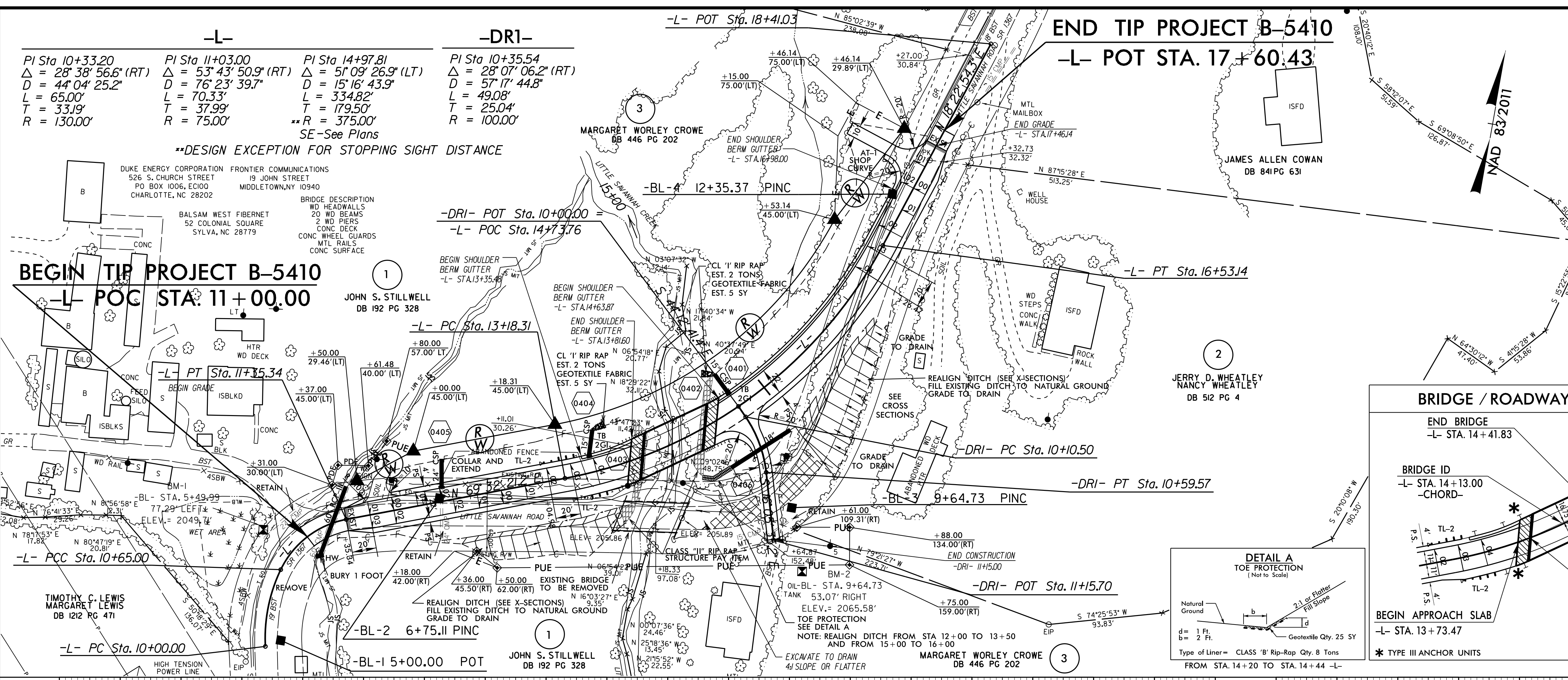


PROJECT REFERENCE NO. B-5410	SHEET NO. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER SEAL 033296 Steven D. Kendall 4/28/2016	HYDRAULICS ENGINEER SEAL 039249 Brian M. Radakovic 4/28/2016

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PAVEMENT REMOVAL

SEE SHEET S-1 TO S-16
FOR STRUCTURE PLANS

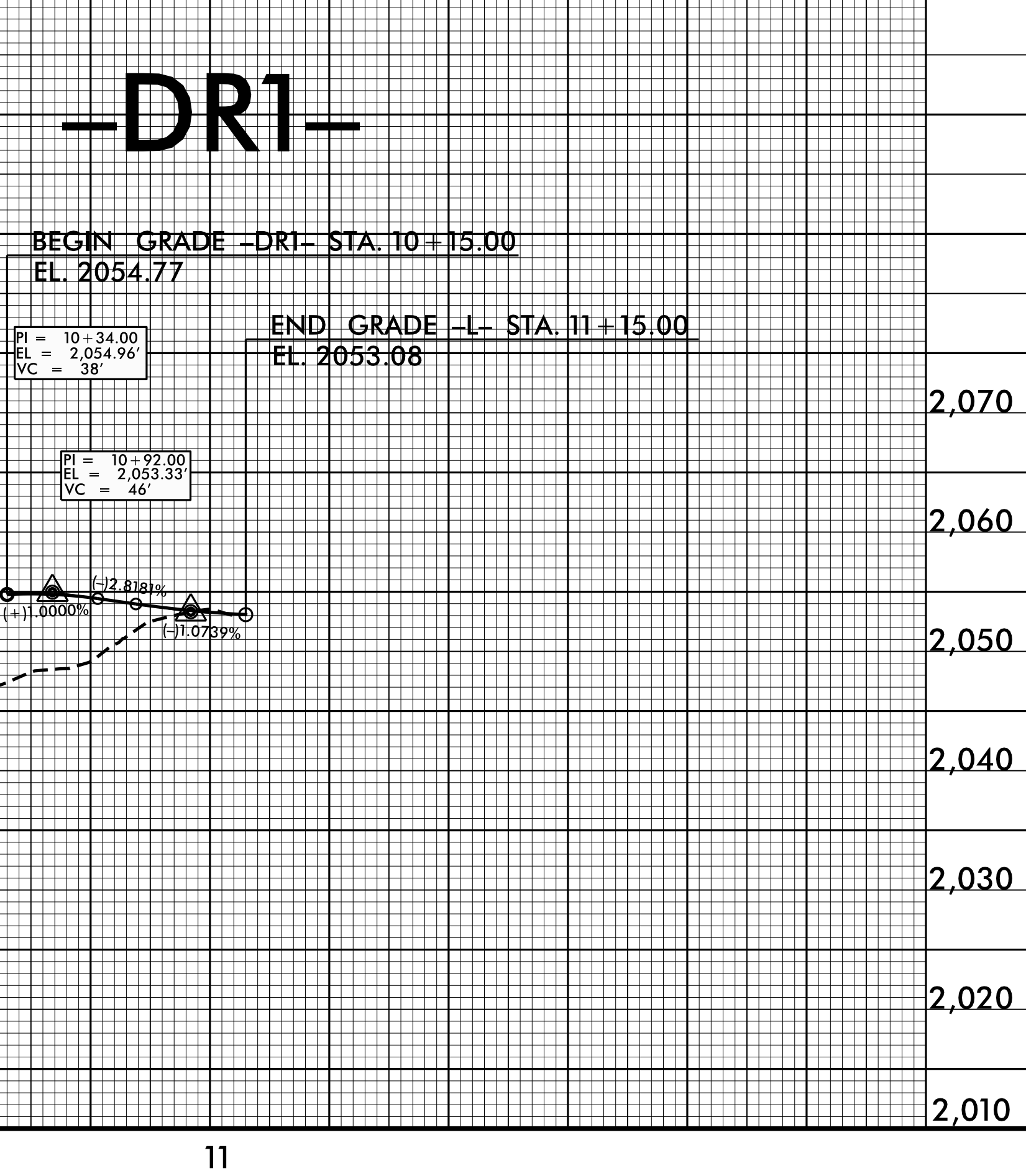
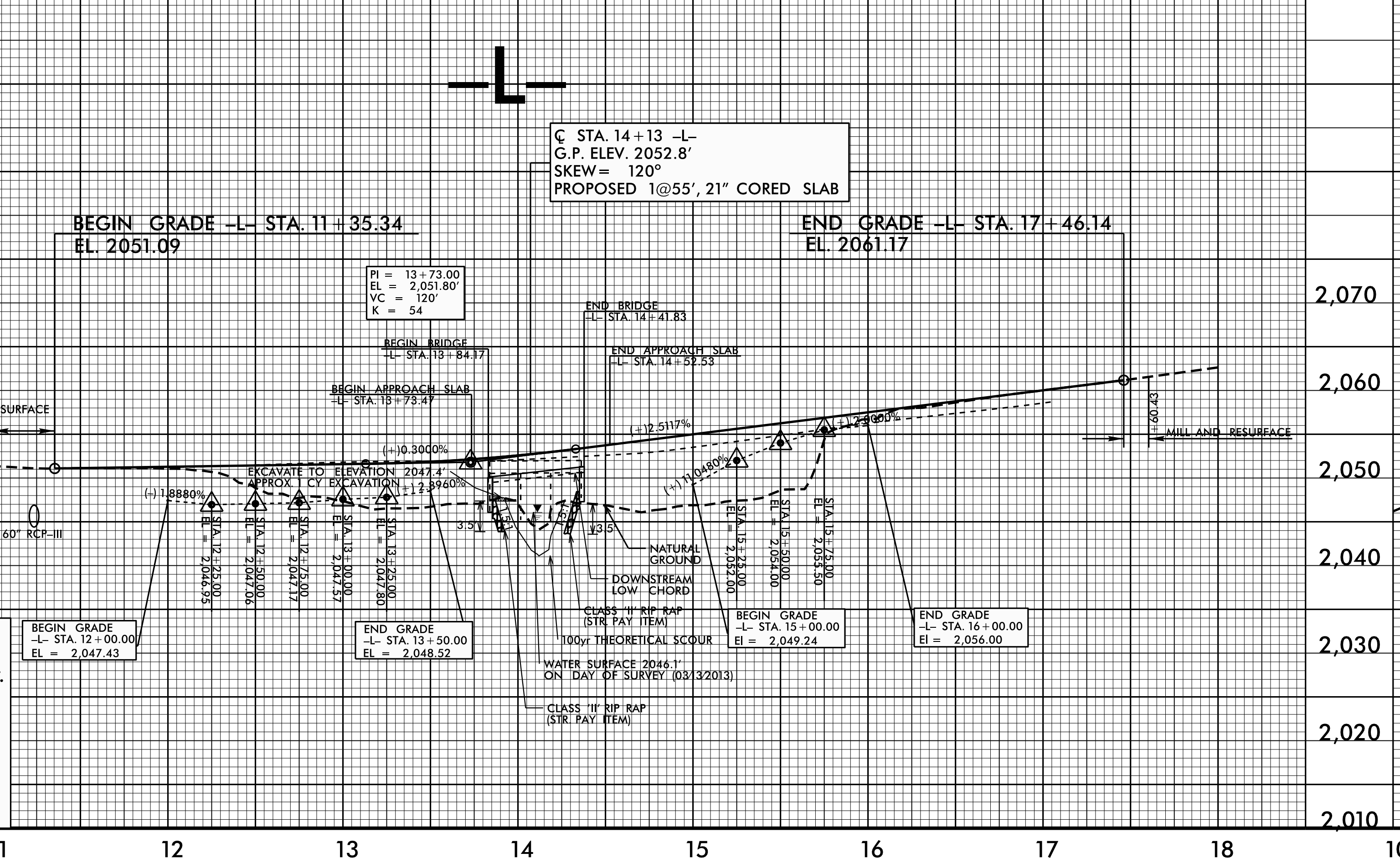


BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 1000	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 2050.9	FT
BASE DISCHARGE	= 1500	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 2051.76	FT
OVERTOPPING DISCHARGE	= 1220	CFS
OVERTOPPING FREQUENCY	= 50	YRS
OVERTOPPING ELEVATION	= 2051.1	FT
DATE OF SURVEY	= 3/13/2013	
W.S. ELEVATION AT DATE OF SURVEY	= 2046.1	FT

PIPE HYDRAULIC DATA
60" RCP-III Sta. 11+23.54

DRAINAGE AREA	= 12	SO MI.
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 460	CFS
DESIGN HW ELEVATION	= 2051.00	FT
100 YEAR DISCHARGE	= 660	CFS
100 YEAR HW ELEVATION	= 2051.89	FT
OVERTOPPING FREQUENCY	= 50	YRS
OVERTOPPING DISCHARGE	= 550	CFS
OVERTOPPING ELEVATION	= 2051.42	FT



8/17/99
27-APR-2016 12:10:43 B5410.rdy, psh-4.dgn