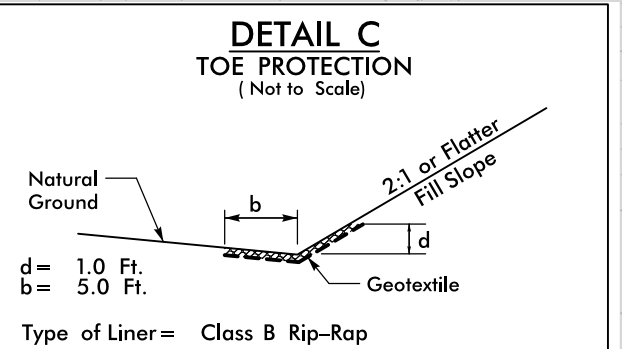
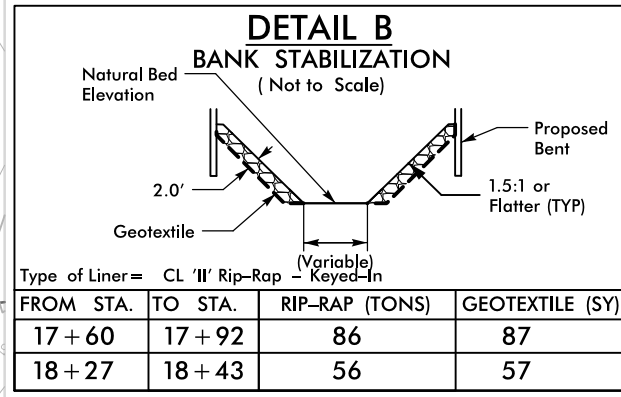
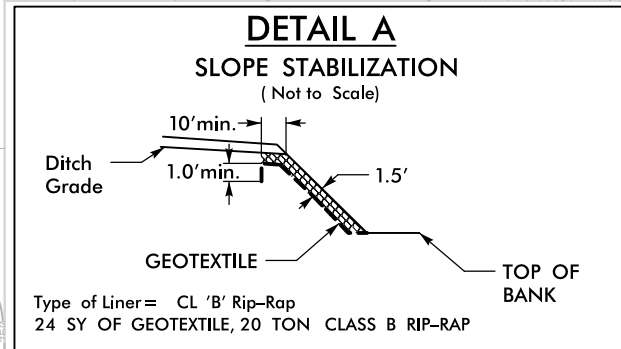


8/17/99

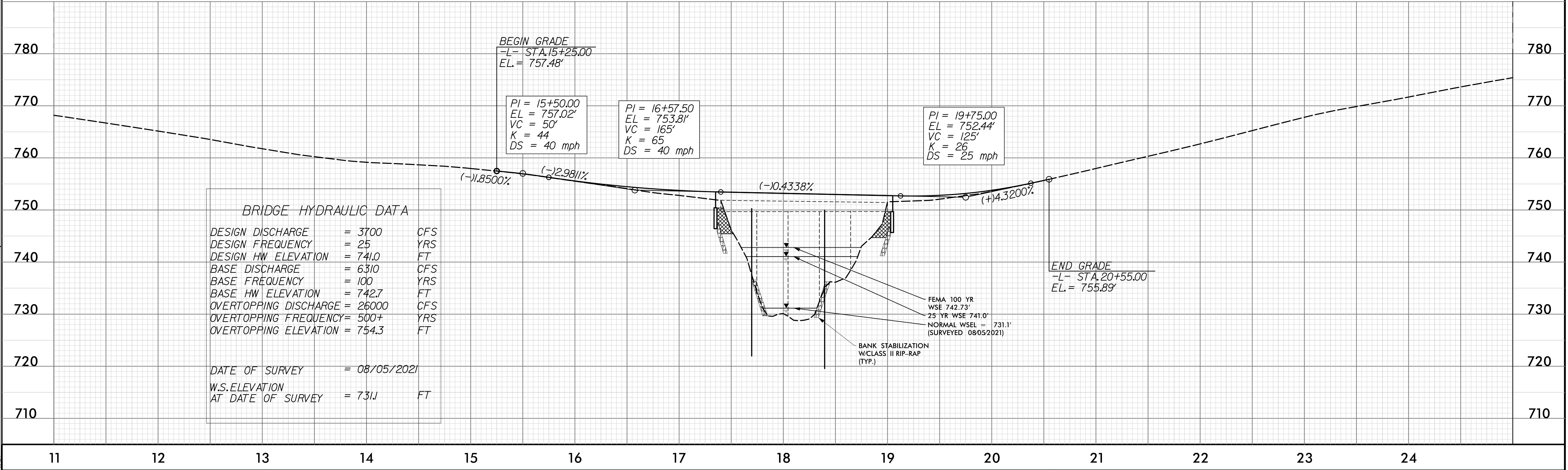
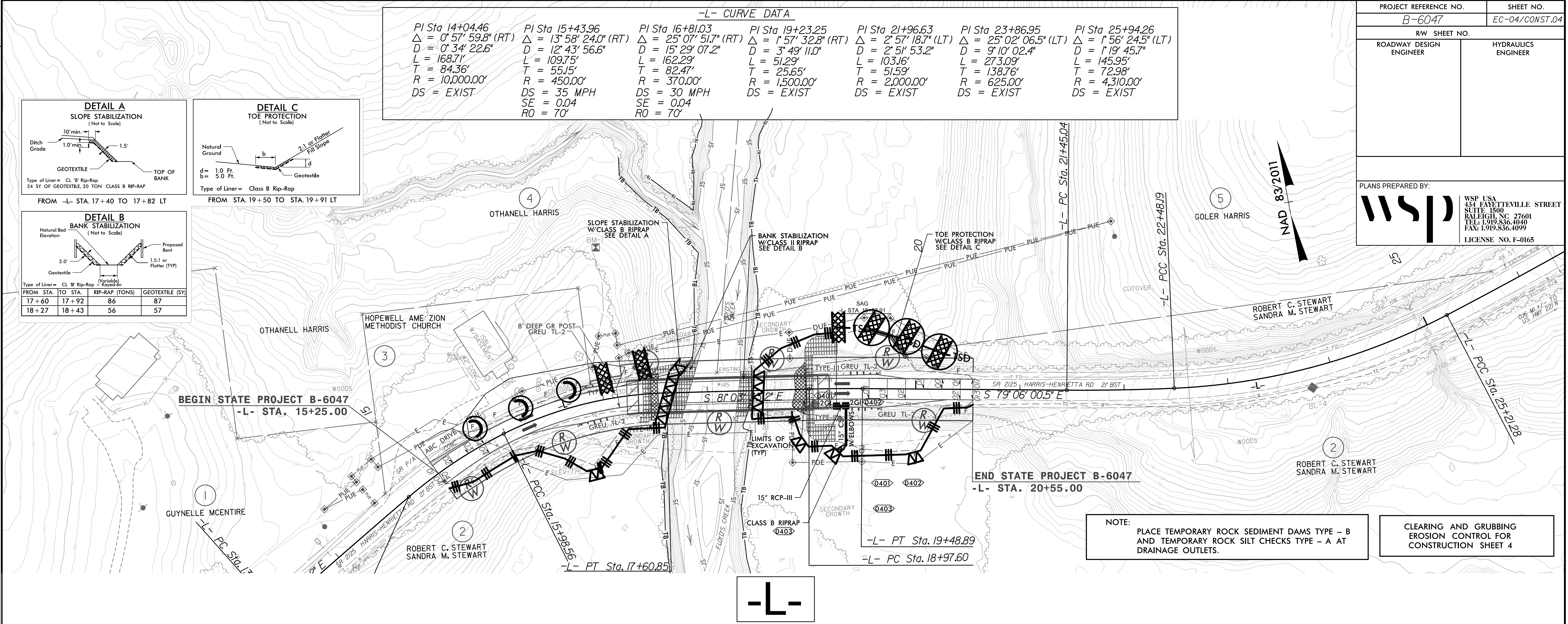
11-AUG-2023 10:02
F:\PROJECTS\B-6047_Hyd_EC_Pst04.CGD.gn
WSP

REVISIONS



-L- CURVE DATA

PI Sta 14+04.46 $\Delta = 0^\circ 57' 59.8''$ (RT) $D = 0^\circ 34' 22.6''$ $L = 168.71'$ $T = 84.36'$ $R = 10,000.00'$ $DS = EXIST$	PI Sta 15+43.96 $\Delta = 13^\circ 58' 24.0''$ (RT) $D = 12^\circ 43' 56.6''$ $L = 109.75'$ $T = 55.15'$ $R = 450.00'$ $DS = 35$ MPH $SE = 0.04$ $RO = 70'$	PI Sta 16+81.03 $\Delta = 25^\circ 07' 51.7''$ (RT) $D = 15^\circ 29' 07.2''$ $L = 162.29'$ $T = 82.47'$ $R = 370.00'$ $DS = 30$ MPH $SE = 0.04$ $RO = 70'$	PI Sta 19+23.25 $\Delta = 1^\circ 57' 32.8''$ (RT) $D = 3^\circ 49' 11.0''$ $L = 51.29'$ $T = 25.65'$ $R = 1,500.00'$ $DS = EXIST$	PI Sta 21+96.63 $\Delta = 2^\circ 57' 18.7''$ (LT) $D = 2^\circ 51' 53.2''$ $L = 103.16'$ $T = 51.59'$ $R = 2,000.00'$ $DS = EXIST$	PI Sta 23+86.95 $\Delta = 25^\circ 02' 06.5''$ (LT) $D = 9^\circ 10' 02.4''$ $L = 273.09'$ $T = 138.76'$ $R = 625.00'$ $DS = EXIST$	PI Sta 25+94.26 $\Delta = 1^\circ 56' 24.5''$ (LT) $D = 1^\circ 19' 45.7''$ $L = 145.95'$ $T = 72.98'$ $R = 4,310.00'$ $DS = EXIST$
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BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 3700	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 741.0	FT
BASE DISCHARGE	= 6310	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 742.7	FT
OVERTOPPING DISCHARGE	= 26000	CFS
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING ELEVATION	= 754.3	FT

DATE OF SURVEY = 08/05/2021
W.S. ELEVATION AT DATE OF SURVEY = 731.1 FT

PROJECT REFERENCE NO.	SHEET NO.
B-6047	EC-04/CONST.04
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PLANS PREPARED BY:	
 WSP USA 434 FAYETTEVILLE STREET SUITE 1500 RALEIGH, NC 27601 TEL: 1919.836.4040 FAX: 1919.836.4099 LICENSE NO. F-0165	

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4