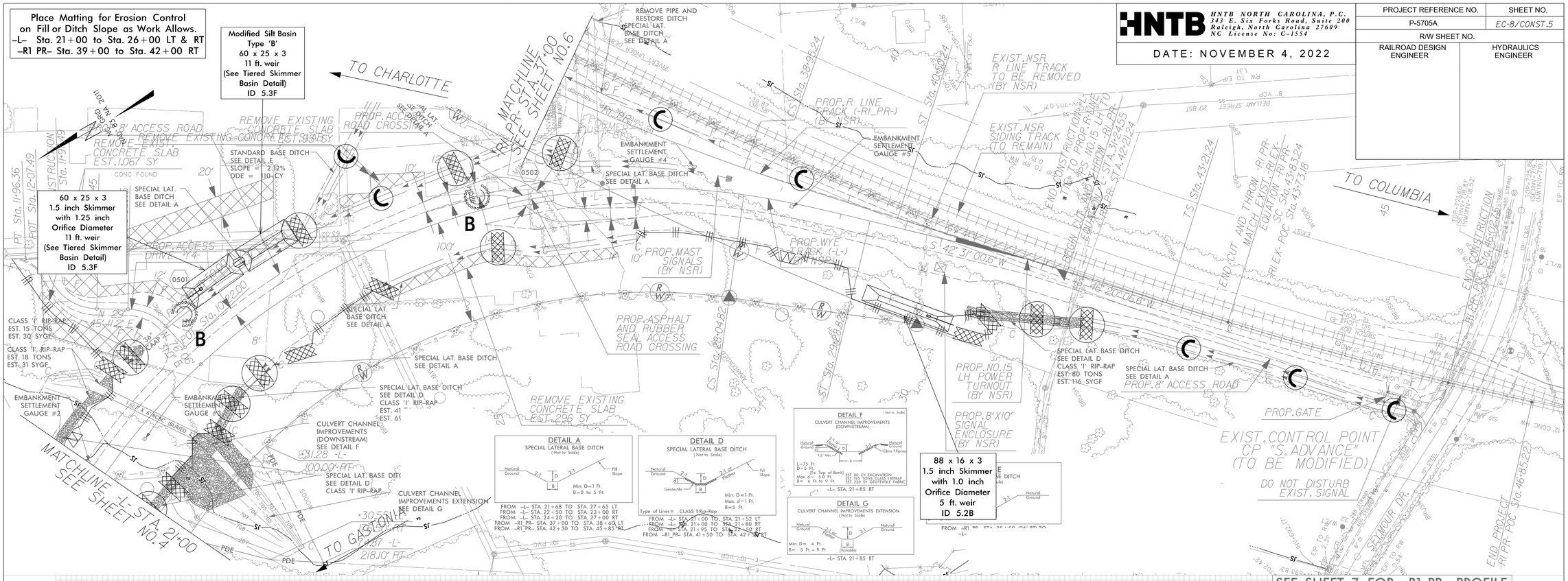
HNTB NORTH CAROLINA, P.C. 343 E. Six Forks Road, Suite 200 Raleigh, North Carolina 27609 NC License No: C-1554	PROJECT REFERENCE NO.	SHEET NO.
	P-5705A	EC-8/CONST.5
DATE: NOVEMBER 4, 2022	R/W SHEET NO.	
	RAILROAD DESIGN ENGINEER	HYDRAULICS ENGINEER

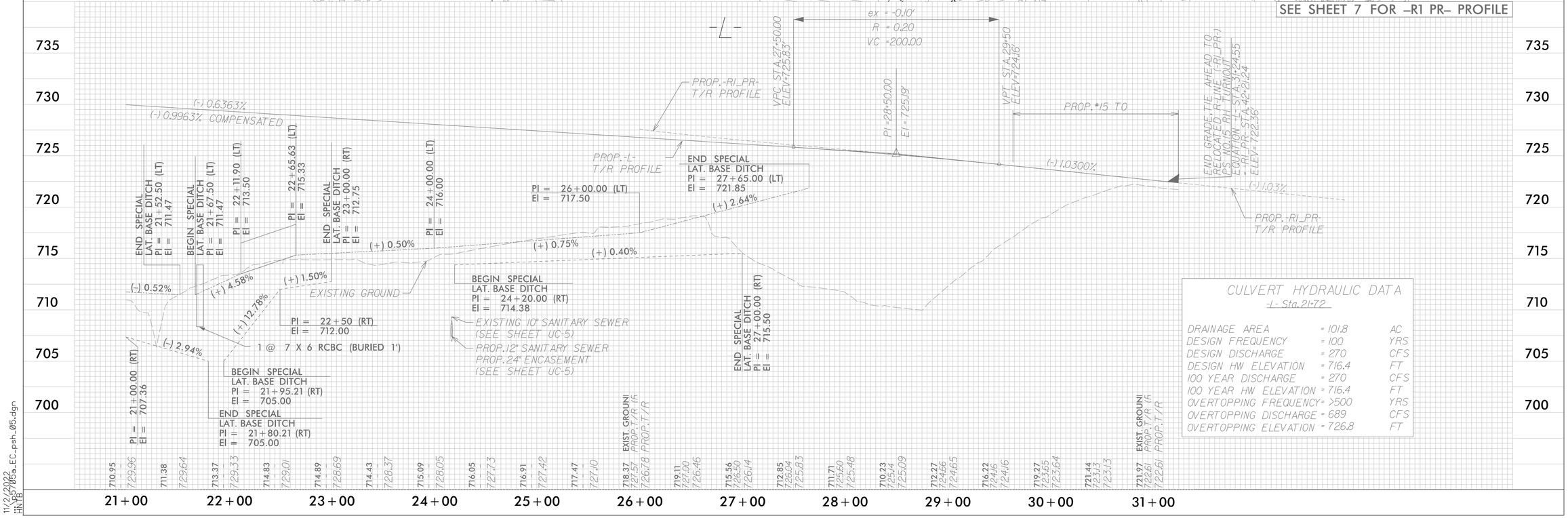
Place Matting for Erosion Control on Fill or Ditch Slope as Work Allows.
–L– Sta. 21+00 to Sta. 26+00 LT & RT
–R1 PR– Sta. 39+00 to Sta. 42+00 RT

Modified Silt Basin Type 'B' 60 x 25 x 3 11 ft. weir (See Tiered Skimmer Basin Detail) ID 5.3F

60 x 25 x 3 1.5 inch Skimmer with 1.25 inch Orifice Diameter 11 ft. weir (See Tiered Skimmer Basin Detail) ID 5.3F

88 x 16 x 3 1.5 inch Skimmer with 1.0 inch Orifice Diameter 5 ft. weir ID 5.2B





CULVERT HYDRAULIC DATA
-L- Sta. 21+72

DRAINAGE AREA	= 101.8	AC
DESIGN FREQUENCY	= 100	YRS
DESIGN DISCHARGE	= 270	CFS
DESIGN HW ELEVATION	= 716.4	FT
100 YEAR DISCHARGE	= 270	CFS
100 YEAR HW ELEVATION	= 716.4	FT
OVERTOPPING FREQUENCY	= >500	YRS
OVERTOPPING DISCHARGE	= 689	CFS
OVERTOPPING ELEVATION	= 726.8	FT

11/2/2022
P-5705_EC_psh_05.dgn
HNTB