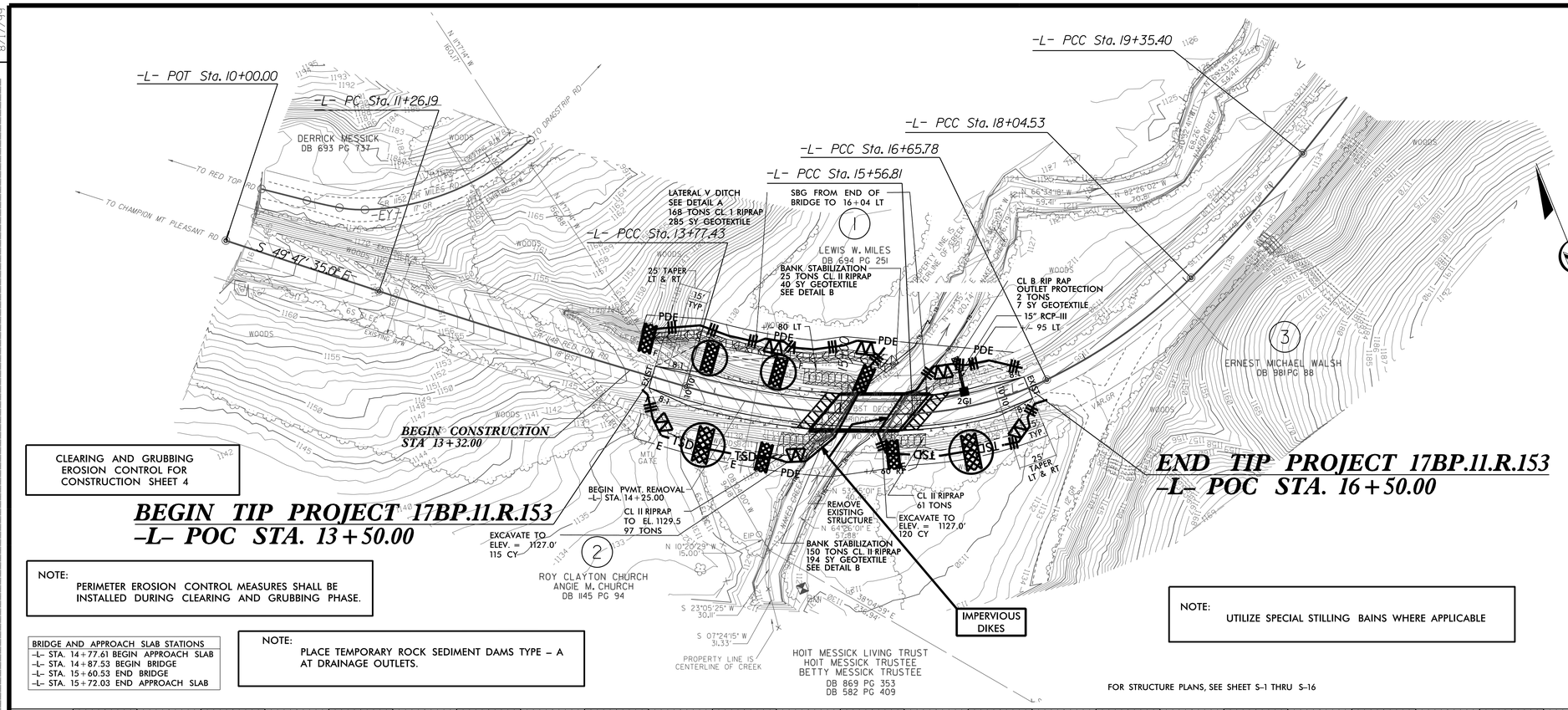
PROJECT REFERENCE NO.	SHEET NO.
17BP.11.R.153	EC-04/CONST.04
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

BEGIN TIP PROJECT 17BP.11.R.153
-L- POC STA. 13+50.00

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

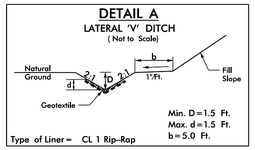
BRIDGE AND APPROACH SLAB STATIONS
-L- STA. 14+77.61 BEGIN APPROACH SLAB
-L- STA. 14+87.53 BEGIN BRIDGE
-L- STA. 15+60.53 END BRIDGE
-L- STA. 15+72.03 END APPROACH SLAB

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - A AT DRAINAGE OUTLETS.

NOTE:
UTILIZE SPECIAL STILLING BAINS WHERE APPLICABLE

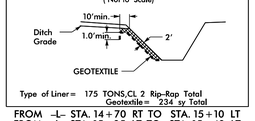
FOR STRUCTURE PLANS, SEE SHEET S-1 THRU S-16

DETAIL A
LATERAL 'V' DITCH
(Not to Scale)

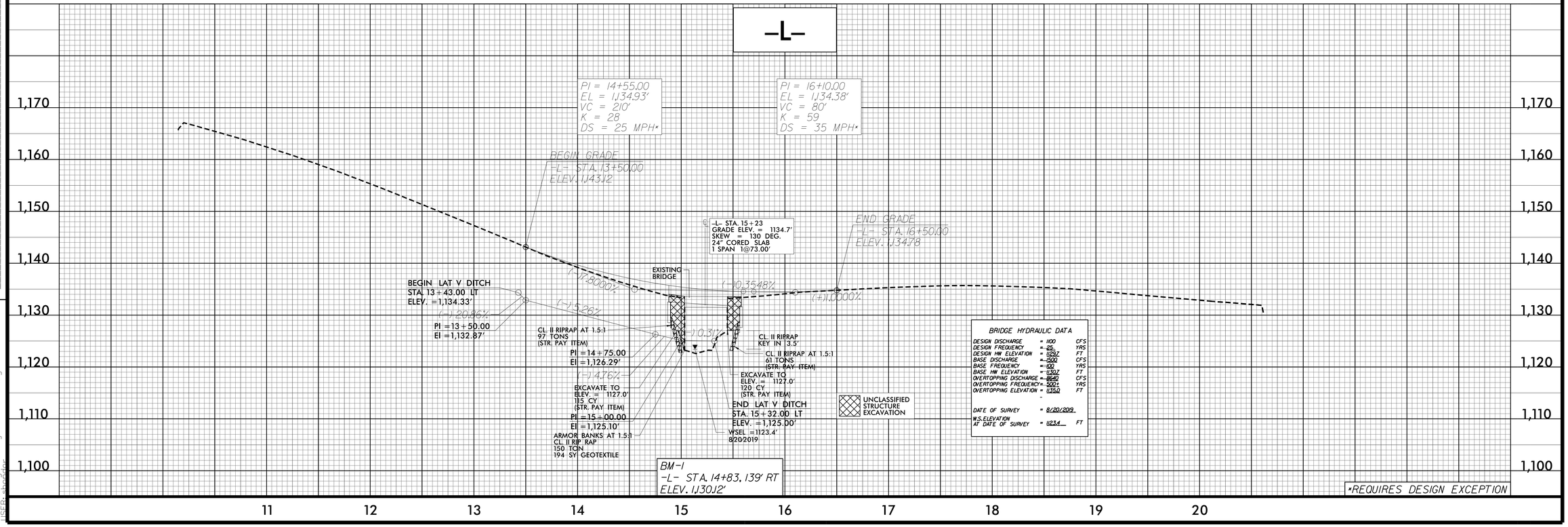


FROM -L STA. 13+43 TO STA. 15+32 LT

DETAIL B
RIP RAP AT EMBANKMENT
(Not to Scale)



FROM -L- STA. 14+70 RT TO STA. 15+10 LT
FROM -L- STA. 15+25 LT TO STA. 15+43 LT



BRIDGE HYDRAULIC DATA		
DESIGN DISCHARGE	= 1100	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 1129.7	FT
BASE DISCHARGE	= 1520	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 1130.7	FT
OVERTOPPING DISCHARGE	= 8640	CFS
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING ELEVATION	= 1135.0	FT
DATE OF SURVEY	= 8/20/2019	
W.S. ELEVATION AT DATE OF SURVEY	= 1123.4	FT

*REQUIRES DESIGN EXCEPTION

REVISIONS

8/17/99

4/6/2021 5:26:19 PM
jtsiff@ncdot.gov
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