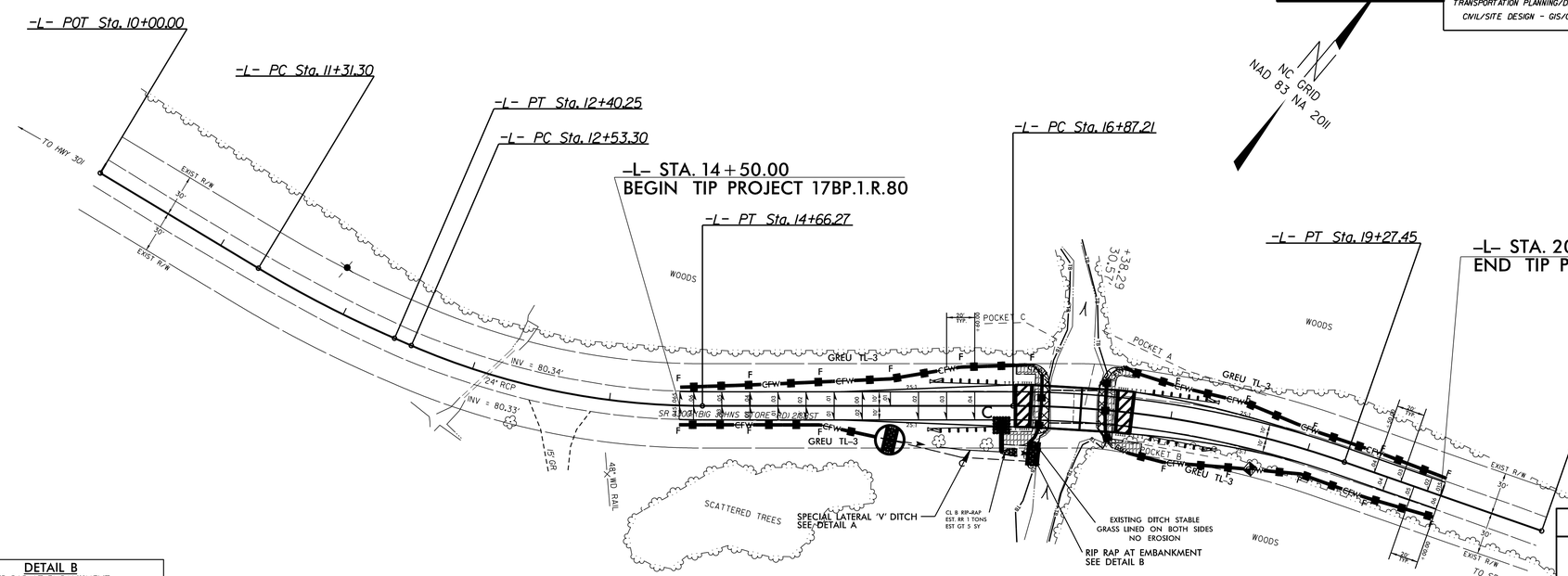
ALL WETLANDS AREAS DETERMINED BY CLAY WILLIS
DIVISION ENVIRONMENTAL OFFICER AS WETALNDS A, B, C

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

Excelsior Matting Cannot be Used Within 25' of the Top of Stream Bank.

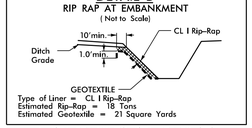
WETHERILL ENGINEERING
1223 Jones Franklin Rd. Suite 164
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO.	SHEET NO.
17BP.1.R.80	EC-05/CONST.04
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



BM10 ELEVATION - 85.86
N 1009059 E 2439192
N 72°33'47.99" E DIST 1554.90
RRSPIKE IN 36" ELM

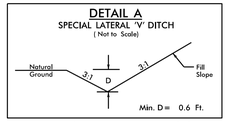
DETAIL B
RIP RAP AT EMBANKMENT
(Not to Scale)



Type of Liner = CL I Rip-Rap
Estimated Rip-Rap = 18 Tons
Estimated Geotextile = 21 Square Yards

-L- STA. 17+00 TO STA. 17+08 (RT)

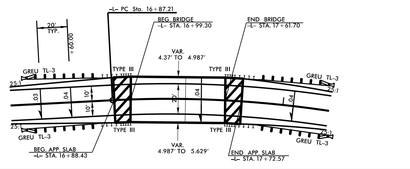
DETAIL A
SPECIAL LATERAL 'V' DITCH
(Not to Scale)

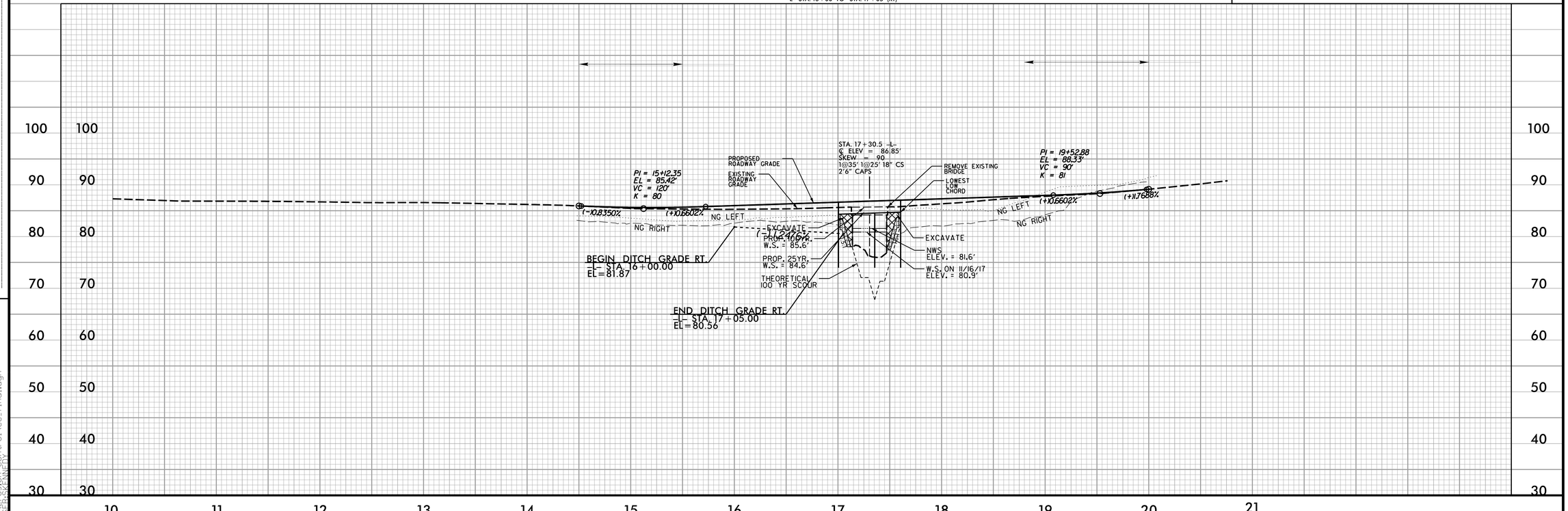


Min. D = 0.6 Ft.

-L- STA. 16+00 TO STA. 17+05 (RT)

STRUCTURE /ROADWAY RELATIONSHIP





REVISIONS

8/17/99

8/23/2018
Erosion Controlec_final.dgn
JEFFREY KENNEDY