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8/17/99

REVISIONS

DETAIL A
TOE PROTECTION
(Not to Scale)

d = 1.0Ft.

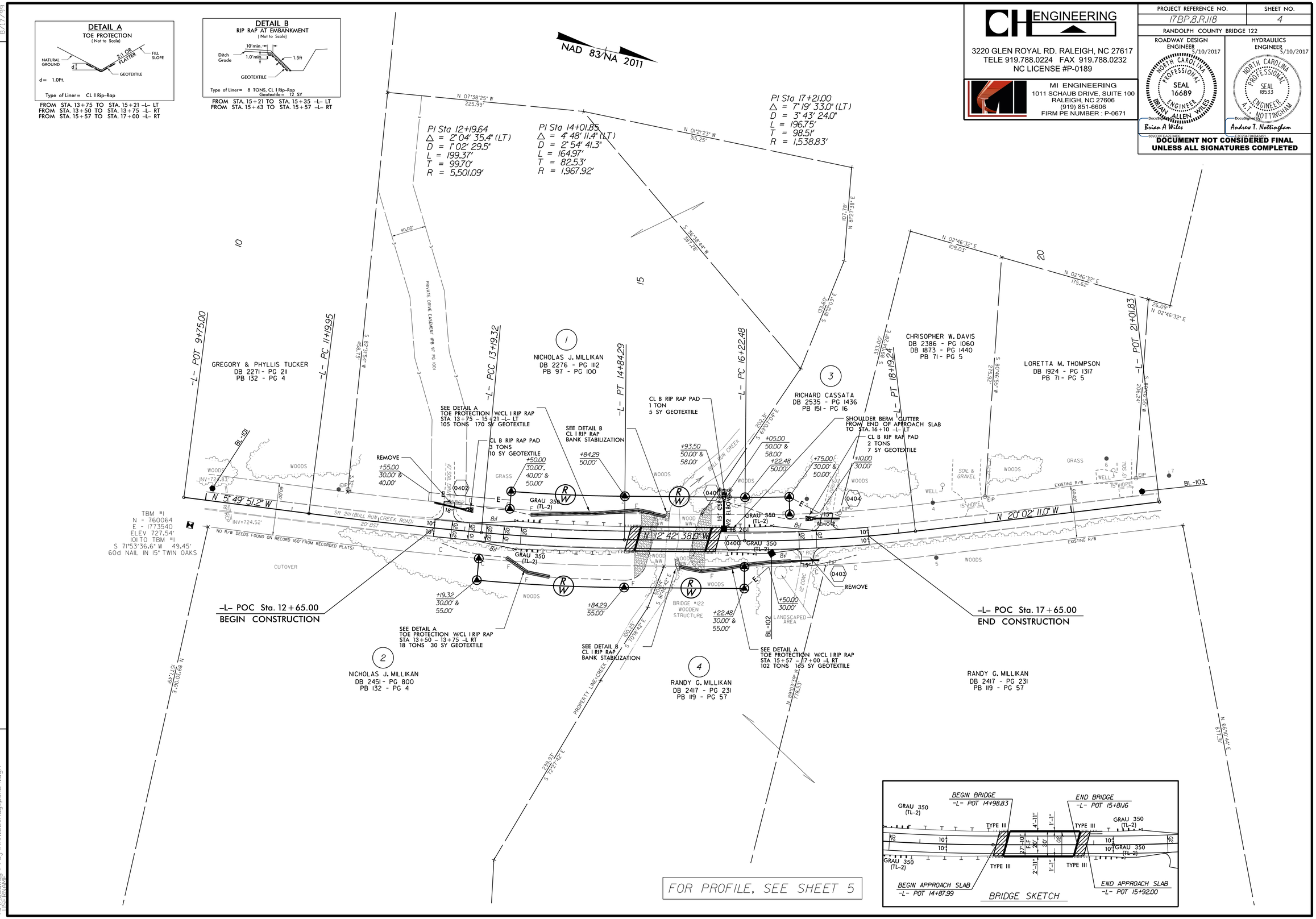
Type of Liner = CL I Rip-Rap

FROM STA. 13+75 TO STA. 15+21 -L- LT
FROM STA. 13+50 TO STA. 13+75 -L- RT
FROM STA. 15+57 TO STA. 17+00 -L- RT

DETAIL B
RIP RAP AT EMBANKMENT
(Not to Scale)

Type of Liner = 8 TONS, CL I Rip-Rap
Geotextile = 12 SY

FROM STA. 15+21 TO STA. 15+35 -L- LT
FROM STA. 15+43 TO STA. 15+57 -L- RT



FOR PROFILE, SEE SHEET 5

CH ENGINEERING
3220 GLEN ROYAL RD. RALEIGH, NC 27617
TELE 919.788.0224 FAX 919.788.0232
NC LICENSE #P-0189

MI ENGINEERING
1011 SCHAUB DRIVE, SUITE 100
RALEIGH, NC 27606
(919) 851-6606
FIRM PE NUMBER : P-0671

PROJECT REFERENCE NO.	SHEET NO.
17BP.8.R.118	4

RANDOLPH COUNTY BRIDGE 122

ROADWAY DESIGN ENGINEER 5/10/2017
NORTH CAROLINA PROFESSIONAL SEAL 16689 ENGINEER BRIAN ALLEN WILES
DocuSigned by: Brian A Wiles
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HYDRAULICS ENGINEER 5/10/2017
NORTH CAROLINA PROFESSIONAL SEAL 18533 ENGINEER ANDREW T. NOTTINGHAM
DocuSigned by: Andrew T. Nottingham
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

5/10/2017
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