CLEARING & GRUBBING PLAN

NAD 83/NA 2011

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

PROJECT REFERENCE NO.	SHEET NO.
17BP.8.R.123	EC-4/CONST.04
RICHMOND COUNTY BRIDGE #64	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET __

REVISIONS

8/17/99

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

Type of Liner = CLASS B Rip-Rap

FROM STA. 16+30 TO 19+60 -L- LT.
40 TONS RIP RAP, 80 SY GEOTEXTILE

DETAIL B
TOE PROTECTION
(Not to Scale)

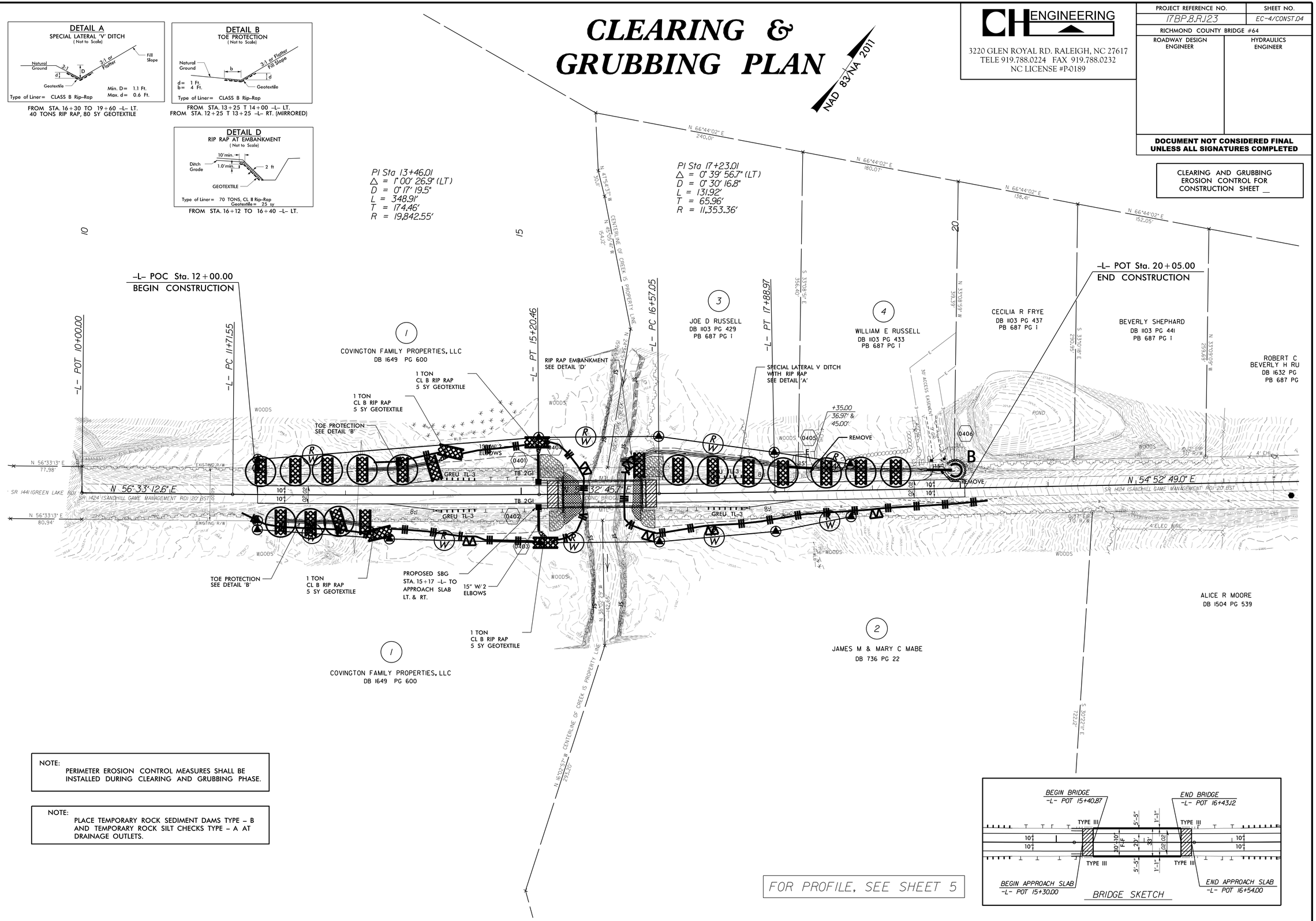
Type of Liner = CLASS B Rip-Rap

FROM STA. 13+25 T 14+00 -L- LT.
FROM STA. 12+25 T 13+25 -L- RT. (MIRRORED)

DETAIL D
RIP RAP AT EMBANKMENT
(Not to Scale)

Type of Liner = 70 TONS, CL II Rip-Rap
Geotextile = 25 sy

FROM STA. 16+12 TO 16+40 -L- LT.



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

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

BRIDGE SKETCH

$$$$SYSTIME$$$$
$$$$DGN$$$$
$$$$USERNAME$$$$