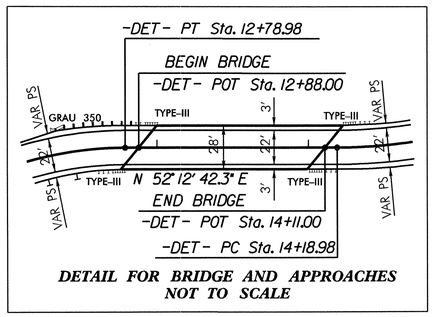
PROJECT REFERENCE NO.	SHEET NO.
B-4007	2B
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 21122 ENGINEER MICHAEL T. MERRITT 1/25/06

HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 26306 ENGINEER ANA M. PASSMAN 1/23/06

REVISIONS

NOTE: ALL DETOUR GUARDRAIL & ANCHOR UNITS WILL BE TEMPORARY.



DETAIL FOR BRIDGE AND APPROACHES NOT TO SCALE

NC GRID NAD 83

-BL-GPS 4007-1 9+15.88 PINC=
-L- Sta. 13+72.31 (19.56'LT.)

-BL-4 Sta.7+54.01 PINC=
-L- Sta. 12+13.78 (18.27'LT)

-BL-3 5+00.00 POT

-L- 18+88.57 147.09' LT
-T- 101 5+00 POT
ELEV = 2407.64
NAIL SET

-L- 18+32.28 18.64' LT
-BL- 5 13+75.01 PINC
-T- 102 6+40.24 PINC
ELEV = 2423.74
REBAR & CAP SET

-BL-GPS 4007-2 18+39.13 PINC

TEMPORARY CONSTRUCTION EASEMENT REQUESTED BY DIVISION FOR TEMPORARY ACCESS ROAD. LOCATION TO BE DETERMINED BY RESIDENT ENGINEER.

PROP. PORTABLE CONC. BARRIER SEE TRAFFIC CONTROL PLANS FOR CONCRETE BARRIER AND CRASH CUSHION PLACEMENT

3 BILLY SMITH FARMS INC DB 101 PG 438 TRACT 9

5 EUGENE EDWARDS SHIRLEY EDWARDS DB 69 PG 619

BILLY H... ELAINE HAWKS DB 198 PG 600

1 JOSE VARELA TERESA FERNANDEZ DB 207 PG 741 PB 9 PG 92

2 ROGER WILSON DB 60 PG 281 DB 60 PG 223 DB 29 PG 490

4 EUGENE E. EDWARDS SHIRLEY H. EDWARDS DB 64 PG 233

-DET- PC Sta. 10+70.00
-L- POT Sta. 10+69.69

-DET- PT Sta. 12+78.98
-DET- POT Sta. 12+88.00
BEGIN BRIDGE

-DET- PC Sta. 14+18.98
-DET- POT Sta. 14+11.00
END BRIDGE

-DET- PT Sta. 16+91.30
-DET- PC Sta. 17+41.30

-DET- PT Sta. 19+87.57
-L- POT Sta. 19+79.00

TEMP. 2.0 TONS CL B RIPRAP W/7.0 S.Y. FILTER FABRIC MOVE TO 24" CSP OUTLET AFTER 18" CSP REMOVAL

TEMP. 18" CSP W/2 ELBOWS REMOVE AFTER DETOUR REMOVAL

TEMP. 18" CSP W/2.0 TONS CL B RIPRAP & W/7.0 S.Y. FILTER FABRIC

TEMP. 15" CSP W/2 ELBOWS W/2.0 TONS CL B RIPRAP & W/5.0 S.Y. FILTER FABRIC

TEMP. 12" FUNNEL DRAIN PIPE W/2 ELBOWS

TEMP. 18" CSP W/2 ELBOWS

TEMP. PLUG

TEMP. RETAIN

TEMP. GRADE TO DRAIN

TEMP. DI

TEMP. TOE PROTECTION SEE DETAIL 'D'

REMOVE EXISTING GUARDRAIL

PLUG & FILL BOTH ENDS EXIST. 18"CSP & REMOVE EXIST. HW AFTER DETOUR REMOVAL

REMOVE HW

LATERAL BASE DITCH SEE DETAIL 'B'

DO NOT DISTURB EXIST. SEPTIC SYSTEM.

4.0 TONS CL B RIPRAP W/80 S.Y. FILTER FABRIC

PROP. PORTABLE CONC. BARRIER SEE TRAFFIC CONTROL PLANS FOR CONCRETE BARRIER AND CRASH CUSHION PLACEMENT

APPROX. LOCATION OF SEPTIC SYSTEM AS PER MR. EDWARDS

TIE TO EXIST. GUARDRAIL +70

-L- +52.17 (ON P/L) 60.00 FT. -L- +22.71 (ON P/L) 30.00 FT.

-L- +75.00 48.00 FT. 30.00 FT.

-L- +42.00 48.00 FT. 30.00 FT.

-L- +42.05 30.00 FT.

-L- +25.00 30.00 FT.

-L- +00.00 30.00 FT. ON EXIST. R/W

-L- +00.00 ON EXIST. R/W 30.00 FT.

-L- +15.00 ON R/W

-L- +80.00 ON R/W 29.00 FT.

-L- +42.05 30.00 FT.

-L- +42.00 ON R/W W/2 ELBOWS

-L- +80.00 67.00 FT.

-L- +78.00 75.00 FT.

-L- +20.00 30.00 FT.

-L- +36.00 55.00 FT.

-L- +08.00 51.00 FT.

-L- +10.00 95.00 FT.

-L- +55.00 20.00 FT.

-L- +78.00 35.9' ENDO PROP. 3SBW FENCE

-L- +75.00 47' TIE PROP. 3SBW FENCE TO EXIST.

-L- +00.00 190.00 FT.

-L- +80.00 140.00 FT.

-L- +35.00 185.00 FT.

-L- +70.00 60.00 FT.

-L- +10.00 40.00 FT.

-L- +80.00 35.00 FT.

-L- +25.00 30.00 FT. ON EXIST. R/W

-L- +50.00 85.00 FT.

-L- +75.00 90.00 FT.

-L- +18.00 TIE PROP. 3SBW FENCE TIE TO EXIST.

-L- +75.00 50.00 FT. 30.00 FT.

-L- +00.00 60.00 FT.

-L- +00.00 70.00 FT.

-L- +57.00 TIE PROP. 3SBW FENCE TIE TO EXIST.

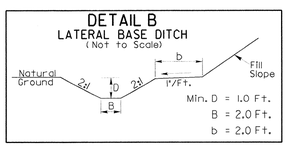
-DET-

PI Sta 11+81.72	PI Sta 15+62.11	PI Sta 18+67.34
Δ = 50° 09' 21.3" (RT)	Δ = 43° 34' 14.6" (LT)	Δ = 30° 01' 33.3" (RT)
D = 24° 00' 00.0"	D = 16° 00' 00.0"	D = 12° 11' 30.0"
L = 208.98'	L = 272.32'	L = 246.28'
T = 111.72'	T = 143.12'	T = 126.04'
R = 238.73'	R = 358.10'	R = 469.96'
e = 0.07	e = 0.05	e = 0.03

NOTE: CLASS II RIPRAP AT BRIDGE SPILL THRU SLOPES IS STRUCTURAL PAY ITEM.

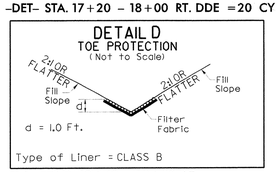
NOTE: TEMPORARILY BURY STRUCTURE ⟨II⟩ WHILE TRAFFIC IS ON DETOUR.

DETAIL B
LATERAL BASE DITCH
(Not to Scale)



-DET- STA. 15+17 – 16+00 RT. DDE =100 CY
-DET- STA. 17+20 – 18+00 RT. DDE =20 CY

DETAIL D
TOE PROTECTION
(Not to Scale)



-DET- STA. 12+40 – 13+30 LT.

SEE TRAFFIC CONTROL PLANS FOR DETAIL OF PROPOSED SHORING.

SEE SHEET 5 FOR -DET- PROFILE

PLANS PREPARED BY :
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FOR
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DIVISION OF HIGHWAYS

01/25/2006
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