PROJECT REFERENCE NO.	SHEET NO.
R-5023B	EC-13/CONST.13
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

REVISIONS 8/17/99

-Y6-
PI Sta 10+55.04
△ = 3° 45' 17.6" (RT)
D = 8° 11' 06.4"
L = 45.87'
T = 22.95'
R = 700.00'
RO = SEE PLANS
SE = SEE PLANS

DETAIL K
(Not to Scale)
CULVERT CHANNEL IMPROVEMENTS (UPSTREAM)

Natural Ground — VAR. D — VAR. — Natural Ground
Coir Fiber Matting w/Seed Mix — VAR. 6' TO EXISTING — Coir Fiber Matting w/Seed Mix

D= Varies (To Top of Bank)
EST. 20 CY EXCAVATION
EST. 25 SY SY MATTING

DETAIL I
(Not to Scale)
CULVERT CHANNEL IMPROVEMENTS (DOWNSTREAM)

Natural Ground — VAR. D — VAR. — Natural Ground
1.5' Min. — VAR. 6' TO EXISTING — Class I Riprap

D= Varies (To Top of Bank)
EST. 18 CY EXCAVATION
EST. 16 TONS CLASS I RIPRAP
EST. 23 SY GEOTEXTILE FABRIC

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 13

-Y6- POT Sta. 11+98.23
-Y6- PT Sta. 10+77.97
-L- PT Sta. 83+91.27
-L- PC Sta. 83+36.28
-Y6- PC Sta. 10+32.09
-L- POT Sta. 84+19.07=
-Y5- POT Sta. 12+00.17
-Y6- POT Sta. 10+00.00
-Y5- POT Sta. 10+00.00

END CONSTRUCTION
-Y6- STA. 10+82.00

BEGIN CONSTRUCTION
-Y5- STA. 11+10.00

PROTECTED AREA
DO NOT DISTURB

MATCHLINE SHEET 12
-L- STA. 82+00.00

MATCHLINE SHEET 14
-L- STA. 90+00.00

-L-
PI Sta 83+63.77
△ = 0° 06' 11.8" (LT)
D = 0° 11' 16.3"
L = 54.98'
T = 27.49'
R = 30,500.00'
RO = SEE PLANS
SE = SEE PLANS

CULVERT #5
ONE BARREL 4' X4'

	NORTH	EAST	ELEV.
CUL1	363764.54	2449692.81	34.97
CUL2	363765.86	2449696.69	34.96
CE1	363765.00	2449694.65	39.00
HW1	363764.59	2449694.77	40.59
CUL3	363717.92	2449683.91	35.11
CUL4	363719.31	2449688.05	35.11
CE2	363718.92	2449685.96	39.16

SUSAN CASTELLANOS NDR
SOUTHWEST PRIMITIVE BAPTIST NDR
TONY EDWARDE DB 328 PG 178
RON S. BLARE DB 1823 PG 715
SOVEREIGN GRACE BAPTIST CHURCH DB 730 PG 67 TRACT II
SOVEREIGN GRACE BAPTIST CHURCH DB 730 PG 67 TRACT I
CULVERT CHANNEL IMPROVEMENTS (UPSTREAM) SEE DETAIL K
CULVERT CHANNEL IMPROVEMENTS (DOWNSTREAM) SEE DETAIL I
A. RYAN CANNON DB 2513 PG 72 DB 350 PG 490
JOSEPH ZIMMERMANN DB 3434 PG 548 MB 58 PG 94
LISA SANDLIN DB 3274 PG 509 MB 58 PG 94
TONY K. EDWARDS CEMETERY DB 3076 PG 786 MB 55 PG 149
JASON M. McCALL DB 2051 PG 505 MB 44 PG 199
NCGS MON "RITCH" ELEV= 47.85'

4:08:11 PM
C:\MSD\R-5023B\R-5023BC_cg_psh_13.dgn
HNTB