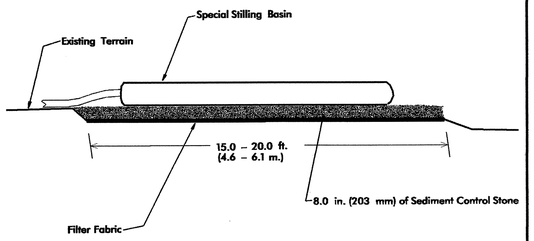
PROJECT REFERENCE NO.	SHEET NO.
B-3646	EC-4/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SPECIAL STILLING BASIN WITH ROCK PAD

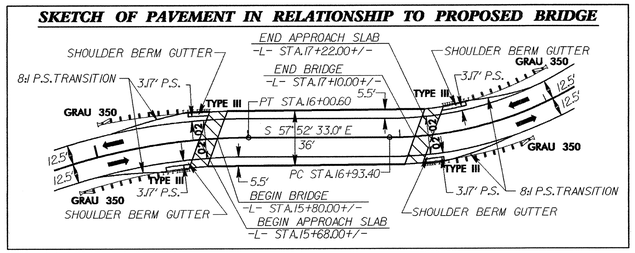


Not To Scale

Note: Provide Stabilized Outlet to Streambank

NOTE: UTILIZE SPECIAL STILLING BASIN, AND TEMPORARY ROCK SEDIMENT DAM TYPE – B AS STILLING BASIN, WHERE APPLICABLE.

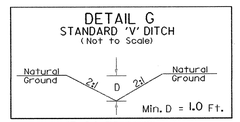
SKETCH OF PAVEMENT IN RELATIONSHIP TO PROPOSED BRIDGE



NAD 83

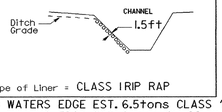
SHOULDER BERM GUTTER
-L- STATIONS 15+44.76 – 15+59.31 RT
-L- STATIONS 15+60.00 – 15+75.00LT
-L- STATIONS 17+16.00 – 17+32.00 RT
-L- STATIONS 17+33.00 – 17+49.00 LT

DETAIL G
STANDARD 'V' DITCH
(Not to Scale)



17+04 TO 17+18LT-L-

DETAIL D
RIP RAP AT EMBANKMENT
(Not to Scale)



-BL- 3
PINC 11+35.91
-L- STA. 15+16.89
OFFSET 112.21' LT

16+25LT-L- TO WATERS EDGE EST. 6.5tons CLASS 'I' RIP RAP
15+94RT-L- TO WATERS EDGE EST. 6tons CLASS 'I' RIP RAP
16+93LT-L- TO WATERS EDGE EST. 5tons CLASS 'I' RIP RAP
16+74RT-L- TO WATERS EDGE EST. 4.5tons CLASS 'I' RIP RAP

-BL- 2
PINC 9+04.43
-L- STA. 13+30.04
OFFSET 37.98' LT

LAT. 'V' DITCH
SEE DETAIL A
CLASS 'B' RIP RAP
EST. 17 TONS
FILTER FABRIC
EST. 52 SY

TEST HOLE #1
14.21' (LT) -L- 212+48.10
TOP UTILITY= 643.65'

EXIST. DITCH LINER
CLASS B RIP RAP
EST. 17 TONS
FILTER FABRIC
EST. 52 SY

DITCH LINER
SEE DETAIL B
CLASS 'B' RIP RAP
EST. 405 SY
FILTER FABRIC
EST. 405 SY

TEST HOLE #2
12.89' (LT) -L- 14+75.54
TOP UTILITY= 628.48'

GRADE HATCHED AREA AT A 10' SLOPE PERPENDICULAR TO THE END BENT (EST. EX=180CY) (STRUCTURE PAY ITEM)

WOODS

POT Sta. 10+00.00
GPS B3646-2
5+00.00 POT
N 57° 34' 52.0" E
150' BST
4' MTN. & 1.5BR
BROOKS BRIDGE ROAD – SR 2712
EXISTING R/W
60'
EXISTING R/W

150' TRANSITION LT & RT

BM #1
-L- STA 10+50.25
87.38' RIGHT
ELEV.663.59'

PCSta. 11+50.00

-L- POT STA.11+00.00
BEGIN STATE PROJECT B-3646

BM #2
-L- STA 15+51.88
46.01' RIGHT
ELEV.625.43'

LAT. 'V' DITCH
SEE DETAIL A
CLASS 'B' RIP RAP
EST. 17 TONS
FILTER FABRIC
EST. 52 SY

DITCH LINER
SEE DETAIL B
CLASS 'B' RIP RAP
EST. 112 TONS
FILTER FABRIC
EST. 337 SY

'V' DITCH
SEE DETAIL C
CLASS 'I' RIP RAP
EST. 16.5 TONS
FILTER FABRIC
EST. 23 SY
EST. DDE= 3.5 CY

CLASS 'I' RIP RAP
AT EMBANKMENT
SEE DETAIL D

PTSta. 16+00.60

S 57° 52' 33.0" E
36'

16 x 7 x 3
4' weir

15 x 7 x 3
4' weir

17 x 8 x 3
4' weir

18 x 8 x 3
4' weir

(1) ROBERT E. BARNUM
SUSAN U. BARNUM
DB 4384 PG 1935

(2) WILLIAM B. LANGLEY JR.
SHEILA H. LANGLEY
DB 2944 PG 367

(2A) CITY OF GREENSBORO
DB 5656 PG 1422

(3) LONA MAY WICKER
DB 787 PG 320

-BL- 4 PINC 13+74.98
-T- PINC 7+66.44
ELEV. = 619.37
-L- STA. 17+86.23
OFFSET 218.52' LT

PCSta. 16+93.40

CLASS 'I' RIP RAP
AT EMBANKMENT
SEE DETAIL D
EST. 33 TONS
FILTER FABRIC
EST. 40 SY
EST. DDE = 7 CY

'V' DITCH
SEE DETAIL C
CLASS 'I' RIP RAP
EST. 7 TONS
FILTER FABRIC
EST. 11.5 SY
EST. DDE= 1 CY

'V' DITCH
SEE DETAIL G
EST. DDE= 1.5 CY

OUTLET PROTECTION
CL 'B' RIPRAP
EST. 2 TONS
FILTER FABRIC
EST. 5 SY

LATERAL 'V' DITCH
SEE DETAIL E
EST. DDE = 9 CY

TEST HOLE #3
16.48' (LT) -L- 18+39.56
TOP UTILITY= 614.82'

-BL- 5
PINC 17+43.61
-L- STA. 22+24.69
OFFSET 20.80' LT

ROBERT E. BARNUM
SUSAN U. BARNUM
DB 4384 PG 1935

POT Sta. 23+00.86

HAW RIVER

WOODS

PK PUMP HOUSE

CONC

24" CONC

18" CONC

BROOKS BRIDGE ROAD – SR 2712

PCSta. 20+82.94

PTSta. 22+57.35

2' ROCK WALL RUINS

S 82° 59' 27.1" E

-L- POT STA.20+50.00
END STATE PROJECT B-3646

N 56° 13' 22.9" E

'V' DITCH
SEE DETAIL C
CLASS 'I' RIP RAP
EST. 18 TONS
FILTER FABRIC
EST. 27 SY
EST. DDE = 2 CY

GRADE HATCHED AREA AT A 2:1 SLOPE PERPENDICULAR TO THE END BENT (EST. EX=240CY) (STRUCTURE PAY ITEM)

LATERAL 'V' DITCH
SEE DETAIL E
EST. DDE = 10 CY

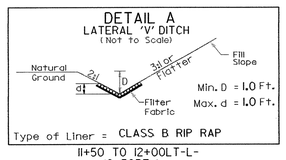
CL 'B' RIP RAP
EST. 2 TONS
FILTER FABRIC
EST. 5 SY

OUTLET PROTECTION

SPEC. CUT DITCH
SEE DETAIL F

LATERAL 'V' DITCH
SEE DETAIL H

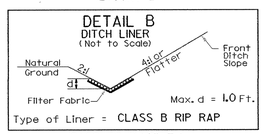
DETAIL A
LATERAL 'V' DITCH
(Not to Scale)



Type of Liner = CLASS B RIP RAP

11+50 TO 12+00LT-L-
12+50RT-L-

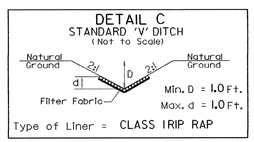
DETAIL B
DITCH LINER
(Not to Scale)



Type of Liner = CLASS B RIP RAP

12+00 TO 15+87LT-L-
12+50 TO 15+72RT-L-

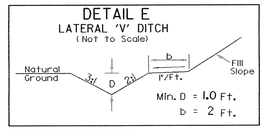
DETAIL C
STANDARD 'V' DITCH
(Not to Scale)



Type of Liner = CLASS I RIP RAP

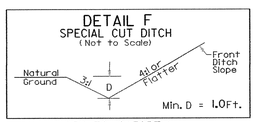
15+87 TO 16+25LT-L-
15+72 TO 15+94RT-L-
16+74 TO 17+00RT-L-
16+93 TO 17+04LT-L-

DETAIL E
LATERAL 'V' DITCH
(Not to Scale)



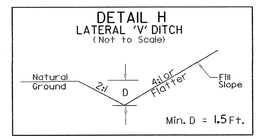
17+00RT-L-
17+18 TO 17+50LT-L-

DETAIL F
SPECIAL CUT DITCH
(Not to Scale)



17+50 TO 19+50RT-L-

DETAIL H
LATERAL 'V' DITCH
(Not to Scale)



19+50RT-L-

FOR -L- PROFILE
SEE SHEET 5

FOR STRUCTURE PLANS
SEE SHEETS S-1 THRU S-?