PROJECT REFERENCE NO.	SHEET NO.
B-3659	EC-5/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SEE SHEET 2-B FOR SE,CONST. DIMENSIONS,BRIDGE STA,ETC.

SEE SHEET 5 FOR PROFILE

REMOVE EXISTING BRDG. NO. 112 SEE STRUCTURE PLANS

NAD 83

BL-2 PINC 8+36.96=
BY-5 PINC 8+47.36
-L- STA 13+86.12 16.49' RT
REBAR SET ELEV=3020.97'

BM #2
-L- 13+67.43 33.12' RT
ELEV = 3021.24'

UTILITIES
CAROLINA POWER & LIGHT COMPANY
1-800-452-2777
BELLSOUTH
(828) 780-2355
TOWN OF WAYNESVILLE
WATER DEPARTMENT
129 LEGION DRIVE
WAYNESVILLE, NC 28786
(828) 456-5706
WATERLINE LOCATIONS ARE APPROXIMATE.
WATERLINE INFORMATION PROVIDED BY McGILL & ASSOCIATES.

20 x 8 x 3 4' weir

PC Sta.13+39.78

-Y- PT Sta. 12+70.44

-Y- PC Sta.12+00.00

PT Sta. 14+37.68

N 2° 28' 03.9" W

PT Sta.13+26.53

PC Sta.13+06.65

OBERIA WYATT BRYSON and
I YNNE BRYSON
D.B. 407 PG. 387
(1)

20 x 8 x 3 4' weir

BEGIN CONSTRUCTION
-L- POT STA.12+30.00

BEGIN PROJECT B-3569
-L- POC STA.12+00.00

BL-1 5+00.00 POT
-L- 10+43.53 12.95' RT
REBAR SET ELEV. = 3027.38'

BM #1
25.31' S 35° 58' 35.8" E
OF -L- 10+00.00
ELEV = 3031.63'

POT Sta. 10+00.00

PC Sta. 10+75.42

PT Sta. 12+01.67

-Y- POT Sta. 14+48.68 =
-L- PC Sta.13+43.36

OBERIA BRYSON
D.B. 134 PG. 537
(2)

BEGIN CONSTR.
-Y- STA.11+00.00
BY-4 5+00.00 POT
-L- 10+23.67' 11.83' RT

BM #3
-Y- 10+21.21
27.86' RT
ELEV = 3024.96'

-Y- POT Sta. 10+00.00

TOWN OF WAYNESVILLE
D.B. 482 PG. 1338

-L- POC Sta.15+40.12 =
-DRI- POT Sta.10+00.00

PT Sta.14+20.01

PC Sta.14+63.03

PC Sta. 16+23.66

PT Sta. 17+25.71

END PROJECT B-3569
-L- POT STA.17+30.00

POT Sta. 18+03.57

18" CSP DRIVE PIPE

BL-3 12+69.49 POT=
NCDOT MONUMENT "B3659-102"
29.98' N 59° 41' 9.33" E OF -L- 18+03.57

BM #4
51.21' S 72° 20' 57.0" E
OF -L- 18+03.57
ELEV = 3011.67'

END CONSTRUCTION
-L- POC STA.17+10.00

PT Sta. 15+92.75

RAIPH J. RATHBONE
and wife,
JACQUELINE M.
RATHBONE
D.B. 163 PG. 391
(3)

WILLIAM B. WIGGINS
D.B. 364 PG. 371

OBERIA BRYSON
D.B. 134 PG. 537
(2)

WILLIAM B. WIGGINS
D.B. 364 PG. 371

PRC Sta. 10+75.81
-DRI- +75.00
15.00'

PT Sta. 11+36.55

POT Sta. 11+61.65

EST 2 TONS CL B RIPRAP W/7 SY FF

BEG SBG AT APP SLAB END 14+76

SPECIAL CUT DITCH GRASS LINED SEE DETAIL A

-L- POC Sta.15+40.12 =

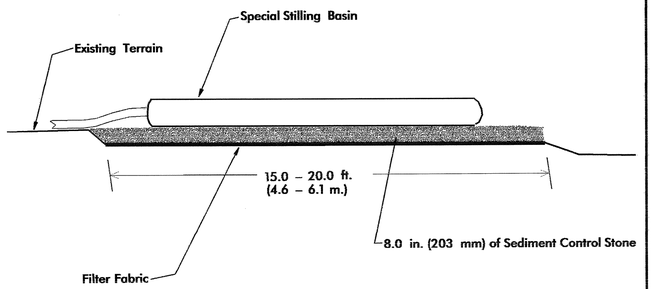
-Y-

PI Sta 12+35.79	PI Sta 14+14.17
△= 24° 56' 23.5" (RT)	△= 112° 10' 57.3" (LT)
D = 35° 24' 21.3"	D = 114° 35' 29.6"
L = 70.44'	L = 97.90'
T = 35.79'	T = 74.38'
R = 161.83'	R = 50.00'
SE = 0.032 3	SE = 0.02
RUNOFF = 5'	RUNOFF = N/A

-L-

PI Sta 11+39.20	PI Sta 13+16.59	PI Sta 13+83.13	PI Sta 15+27.99
△= 20° 05' 35.1" (LT)	△= 5° 11' 24.4" (RT)	△= 37° 41' 55.3" (RT)	△= 7° 49' 24.2" (RT)
D = 15° 54' 55.8"	D = 26° 06' 41.9"	D = 49° 10' 51.3"	D = 6° 01' 52.1"
L = 126.25'	L = 19.88'	L = 76.65'	L = 129.72'
T = 63.78'	T = 9.95'	T = 39.77'	T = 64.96'
R = 360.00'	R = 219.43'	R = 116.50'	R = 950.00'
	SE = 0.02	SE = 0.02	SE = 0.02
	RUNOFF = N/A	RUNOFF = N/A	RUNOFF = N/A
		DESIGN EXCEPTION FOR DESIGN SPEED DS = 15 mph	

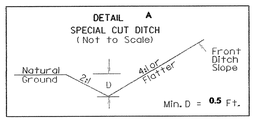
SPECIAL STILLING BASIN WITH ROCK PAD

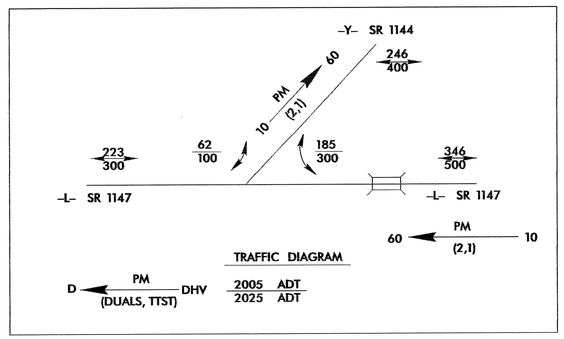


Not To Scale

Note: Provide Stabilized Outlet to Streambank

DETAIL A
SPECIAL CUT DITCH
(Not to Scale)



-L- STA 11+90 to 13+00 RT

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