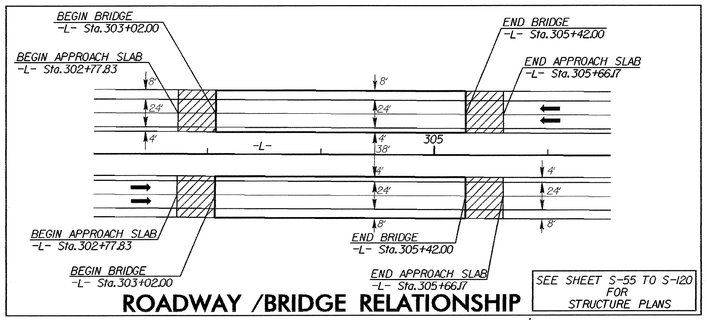
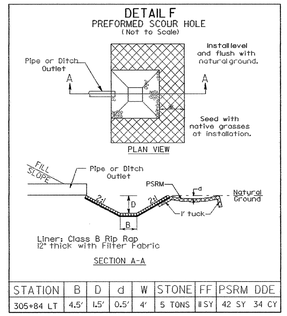
PROJECT REFERENCE NO.	SHEET NO.
R-2911D	EC-29/CONST.12
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



ROADWAY /BRIDGE RELATIONSHIP

SEE SHEET S-55 TO S-120 FOR STRUCTURE PLANS



STATION	B	D	d	W	STONE	FF	PSRM DDE
305+84 LT	4.5'	1.5'	0.5'	4'	5 TONS	8 SY	42 SY 34 CY

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

PIs Sta 307+59.56	PI Sta 309+35.83	PIs Sta 311+12.04
θs = 0° 35' 52.3"	Δ = 2° 42' 54.4" (LT)	θs = 0° 35' 52.3"
Ls = 120.00'	D = 0° 59' 47.2"	Ls = 120.00'
LT = 80.00'	L = 272.48	LT = 80.00'
ST = 40.00'	T = 136.26'	ST = 40.00'
	R = 5,750.00'	
	SE = 0.03	
	DS = 60 MPH	

20 x 8 x 3
8' weir

20 x 7 x 3

20 x 7 x 3

20 x 8 x 3
8' weir

NC GRID
NAD 83

Match Line Sheet 11 –L– Sta. 302+00.00

Match Line Sheet 13 –L– Sta. 315+00.00

-L- TS Sta. 306+79.56

-L- SC Sta. 307+99.56

-L- CS Sta. 310+72.04

-L- ST Sta. 311+92.04

-BL- 29 Sta. 302+99.50
-L- Sta. 305+40.36
53.52 LT

-BL- 30 Sta. 312+25.64
-L- Sta. 314+77.70
16.07 LT

27
LARRY L. BURNS

23
MR. & MRS. A.L. POWLAS HEIRS

28
JAMES C. WALKER AND WIFE LINDA WALKER

29
ROWAN-SALISBURY BOARD OF EDUCATION

30
EDWARD J. AND CAROLYN SHANK

22
MERI, LLC

31
ELOISE A. McLEAN, ALICE JEAN ALBRIGHT, NELLIE A. CLONTZ HARRY T. ALBRIGHT, BETTY A. JAMES

CLASS I RIP RAP UNDER BRIDGE (STRUCTURE PAY ITEM)

PREFORMED SCOUR HOLE SEE DETAIL F

18" CSP W/ELBOW

CLASS B RIPRAP 3 TONS

PROPOSED FENCE

CHORD

BEGIN FENCE +00.00 100.00

END FENCE +40.00 100.00

ACCESS POINT

18' DRIVE (ABC)

18' DRIVE (GRAVEL)

10" WATER PIPE EXPOSED AND CAPPED AT THESE LOCATIONS.

BEGIN FENCE

END FENCE

CONC & STEEL UNIDGE #85

SUSPENDED FROM BRIDGE

S 66°07' 37.2" E

USGS STREAM GAUGE STATION

US 70 STATESVILLE BLVD 27' BST

TYPE III

TYPE M350

REMOVE

CLASS I RIP RAP 27 TONS, 40 SY F.F.

CLASS I RIP RAP UNDER BRIDGE (STRUCTURE PAY ITEM)

TOE PROTECTION SEE DETAIL G RIP RAP = 43 TNS FF = 67 SY

LATERAL V-DITCH SEE DETAIL C

SPECIAL DITCH SEE DETAIL B SEE PROFILE & X-SECT

BASE DITCH SEE DETAIL I AND X-SECT DDE = 189 SY

TSD

TDE

END SBG

BEGIN SBG

CAT-1

40' TYP

DETAIL A
FALSE SUMP
(Not to Scale)
Median Ditch
0.5' Min. 1.0' Max.
S=Ditch Slope
℄ Proposed Ditch

-L- Sta. 305+80 MED.
-L- Sta. 309+20 MED.
-L- Sta. 311+20 MED.
-L- Sta. 309+20 RT.
-L- Sta. 309+20 LT.

SPECIAL STILLING BASIN WITH ROCK PAD
Existing Terrain
Special Stilling Basin
15.0 – 20.0 ft. (4.6 – 6.1 m.)
9.0 in. (203 mm) of Sediment Control Stone
Filter Fabric
Not To Scale
Note: Provide Stabilized Outlet to Streambank

DETAIL C
SPECIAL LATERAL 'V' DITCH
(Not to Scale)
Natural Ground
Fill Slope
Min. D = 1.5 Ft.

-L- Sta. 309+00 to 310+00 RT.

DETAIL G
TOE PROTECTION
(Not to Scale)
Natural Ground
Fill Slope
Filter Fabric
d = 2.0 Ft.
Type of Liner = CLASS B RIP RAP

-L- Sta. 308+50 to 309+25 RT.

DETAIL I
STANDARD BASE DITCH
(Not to Scale)
Natural Ground
Natural Ground
Min. D = 4.0 Ft.
Var. B = 2' TO 4' Ft.

-L- Sta. 302+10 to 303+80 RT.

SBG – Shoulder Berm Gutter

Note: See Sheet 25 for –L– line profile