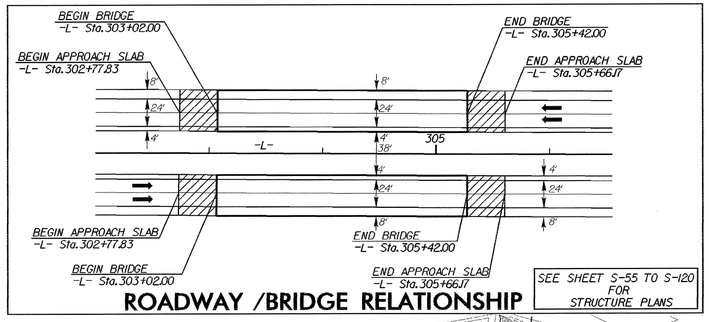
PROJECT REFERENCE NO.	SHEET NO.
R-2911D	EC-12/CONST.12
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



ROADWAY /BRIDGE RELATIONSHIP

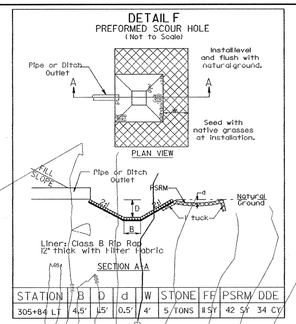
SEE SHEET S-55 TO S-120 FOR STRUCTURE PLANS

NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE– B AND TEMPORARY ROCK SILT CHECKS TYPE–A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 12

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

DETAIL F
PREFORMED SCOUR HOLE
(Not to Scale)



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

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

20 x 7 x 3

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+39.50
–L– Sta. 305+40.36
53.52 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

END FENCE

BEGIN FENCE

ACCESS POINT

2GI TYPE D

TYPE III

TYPE M350

REMOVE

GRAD 350

BITAPER

CAT-1

S 66°01'37.2" E

S 70°02'16.3" E

US 70 STATESVILLE BLVD (27' BST)

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

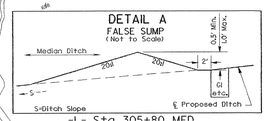
TOE PROTECTION SEE DETAIL G RIP RAP = 43 TNS FF = 67 SY

LATERAL V-DITCH SEE DETAIL C

SPECIAL DITCH SEE DETAIL B SEE PROFILE & X-SECT

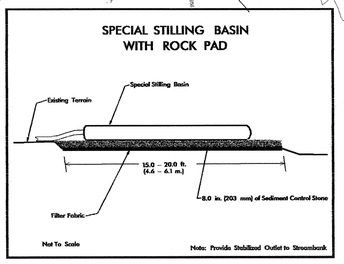
–BL– 30 Sta. 312+25.64
–L– Sta. 314+77.30
16.07 LT

DETAIL A
FALSE SUMP
(Not To Scale)

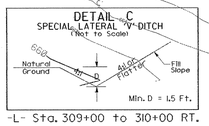


-L- Sta. 305+80 MED.
-L- Sta. 309+20 MED.
-L- Sta. 311+20 MED.
-L- Sta. 309+20 RT.
-L- Sta. 309+20 LT.

SPECIAL STILLING BASIN WITH ROCK PAD

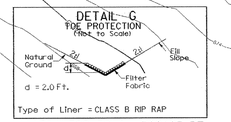


DETAIL C
SPECIAL LATERAL V-DITCH
(Not to Scale)



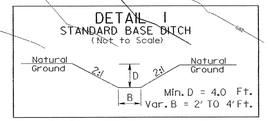
-L- Sta. 309+00 to 310+00 RT.

DETAIL G
TOE PROTECTION
(Not to Scale)



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

DETAIL I
STANDARD BASE DITCH
(Not to Scale)



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

SBG – Shoulder Berm Gutter

Note: See Sheet 25 for –L– line profile