

PLAN VIEW

PROVIDE ALL JUNCTION BOXES OVER 3'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.66.

INSTALL MANHOLE IN POSITION AS DIRECTED BY THE ENGINEER. CUT AND BEND ALL REBAR CROSSING THIS OPENING TO ALLOW 2" MINIMUM CONCRETE COVERAGE.

IF REINFORCED CONCRETE PIPE IS SET IN BASE SLAB OR BOX, ADD TO

MAKE ALL ADJUSTMENTS AS DIRECTED BY THE ENGINEER

FIELD VERIFY THE DIMENSIONS FOR THE EXISTING 4'X4' RCBC

BILL OF MATERIALS					
BAR	NO.	SIZE	LENGTH	WEIGHT	
Н	44	#5	5'-0"	230	
H1	25	#5	7'-6"	196	
V	26	#5	6'-2"	168	
Z	6	#5	4'-0"	25	
DOWEL	36	#4	1'-6"	36	
TOTAL REINF. STEEL (LBS.)				655	
TOTAL CONC. (CU. YDS.) 6.3					

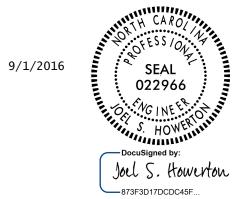
PROJECT REFERENCE NO.

R-2915C

SHEET NO.

2C-11

- * 0.30 CU. YD. PER FOOT OF RISER HEIGHT
- * 0.60 CU. YD. DEDUCTION FOR 1-54" RC PIPE
- * NO DEDUCTION HAS BEEN MADE FOR PIPE OR CULVERI



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS & DEVELOPMENT UNIT STANDARDS AND SPECIAL DESIGN Office 919-707-6950 FAX 919-250-4119

SPECIAL TRAFFIC BEARING JUNCTION BOX

ORIGINAL BY:	DATE:
MODIFIED BY: nbr:	itt DATE: 12/22/09
CHECKED BY:	DATE:
FILE SPEC : detail/nbrit	t/english/rural/r2233aa 4x4culv54tbjb.dgn