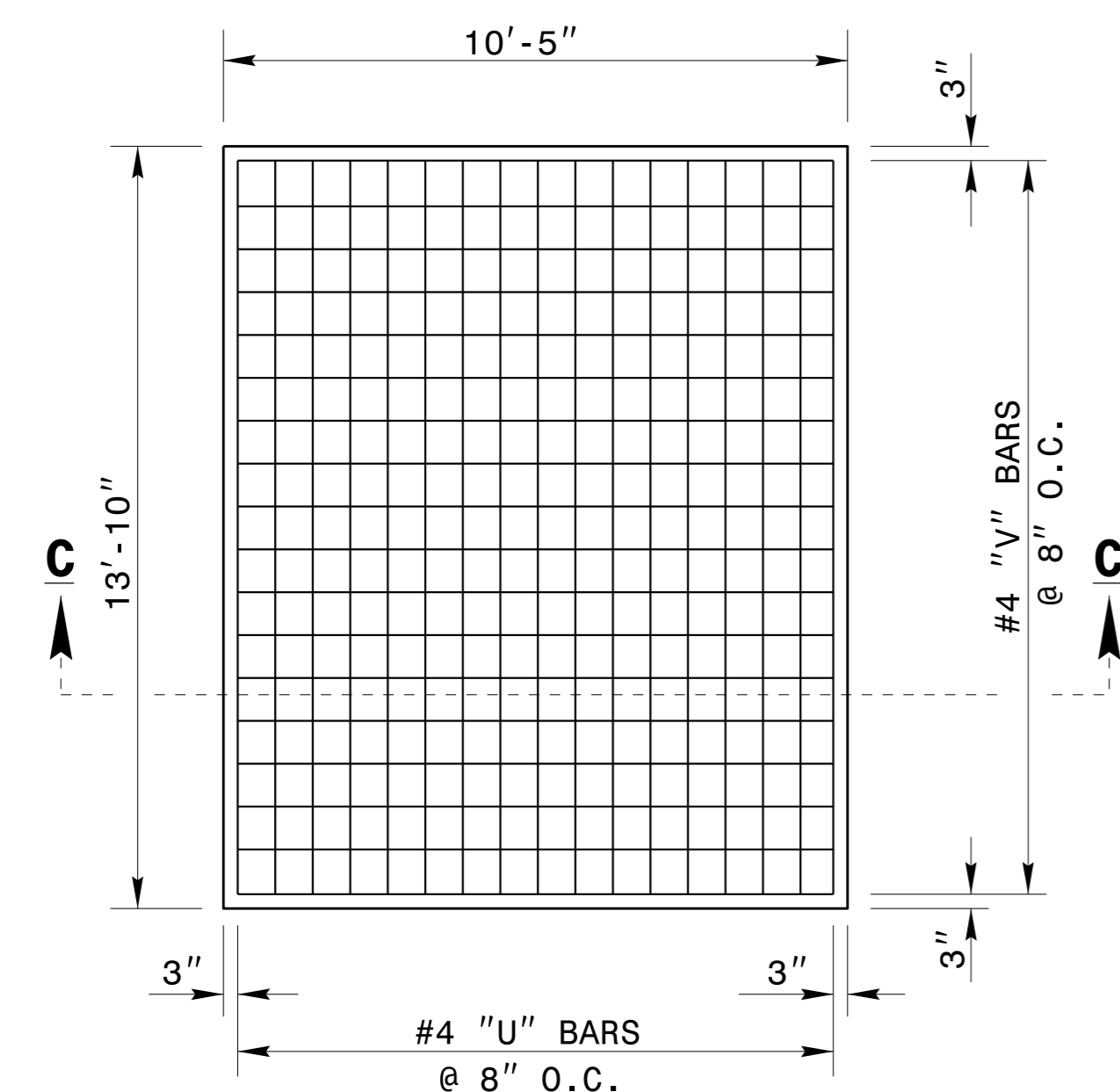
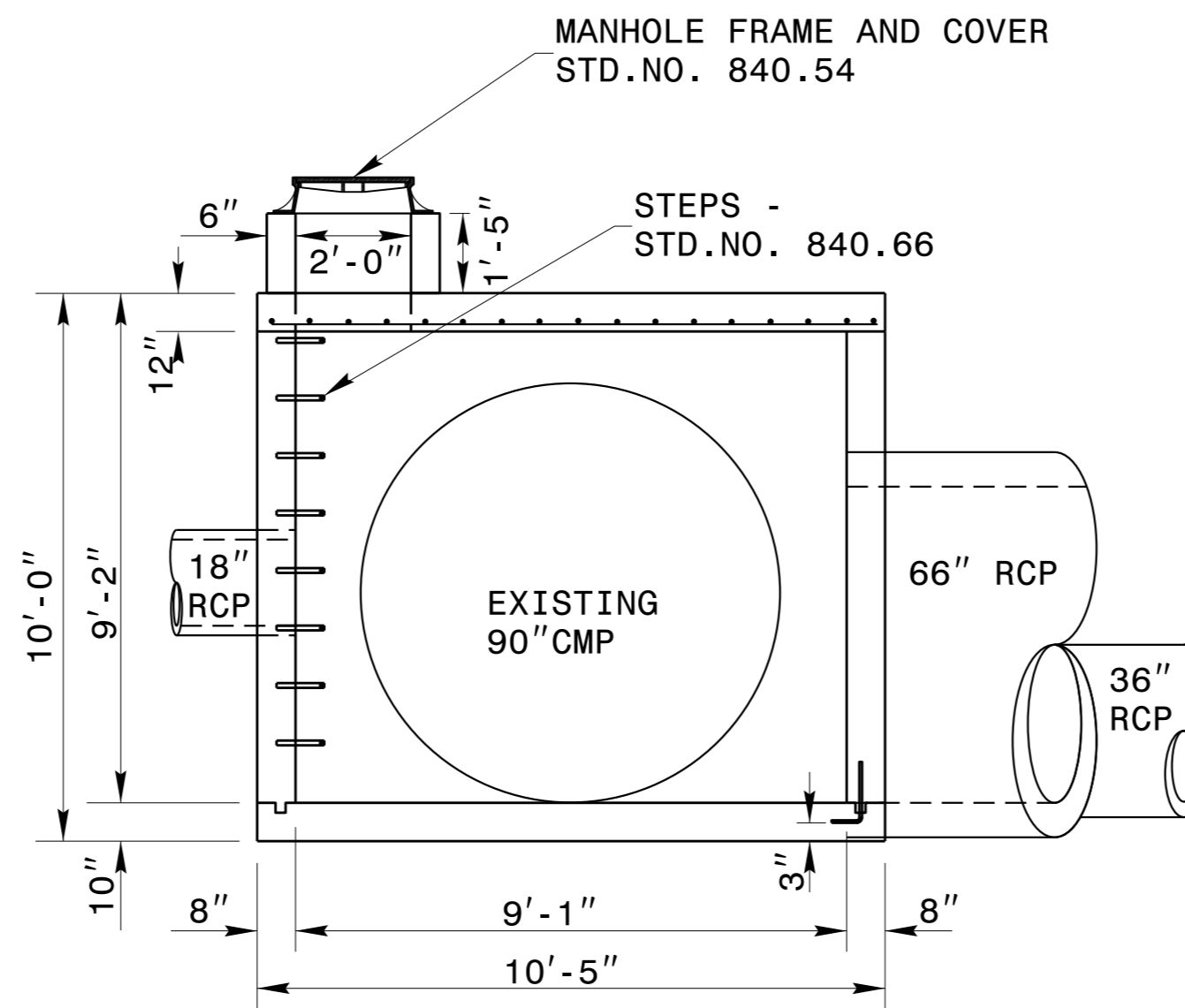


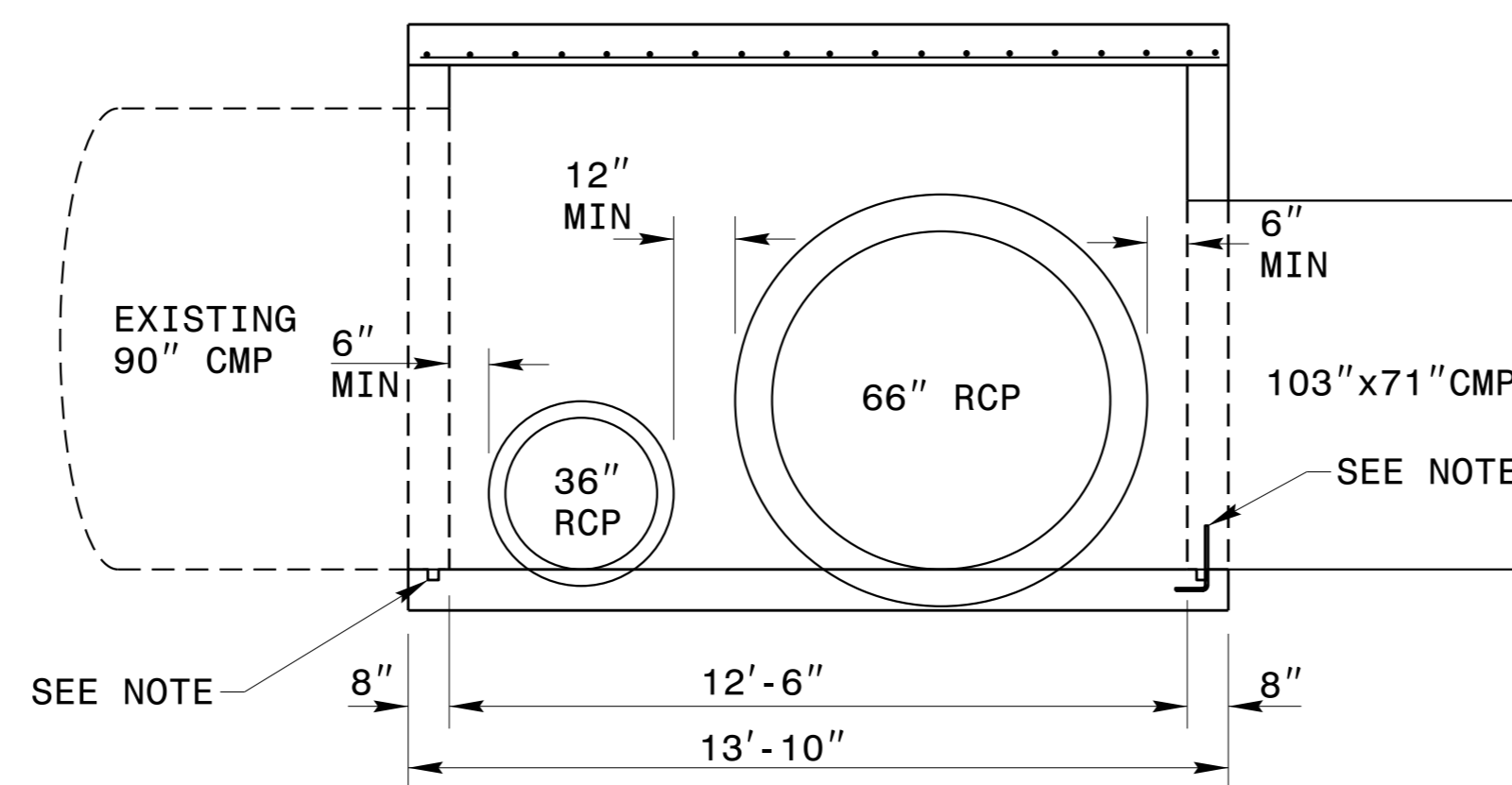
**PLAN**



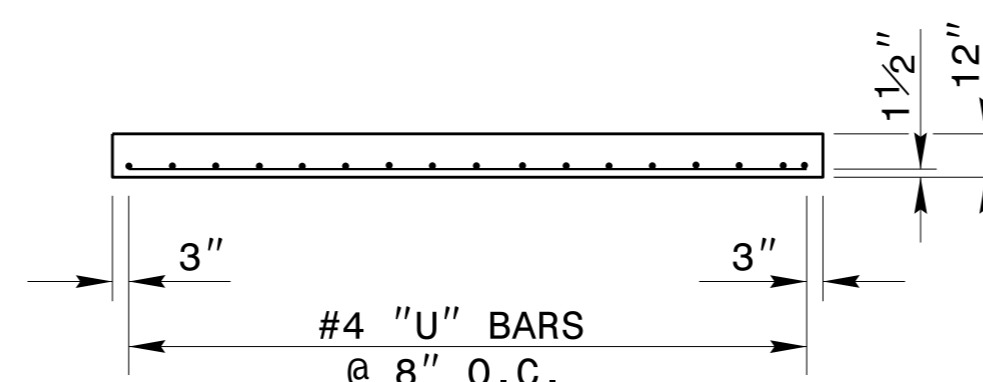
**PLAN OF TOP SLAB AND BOTTOM SLAB**



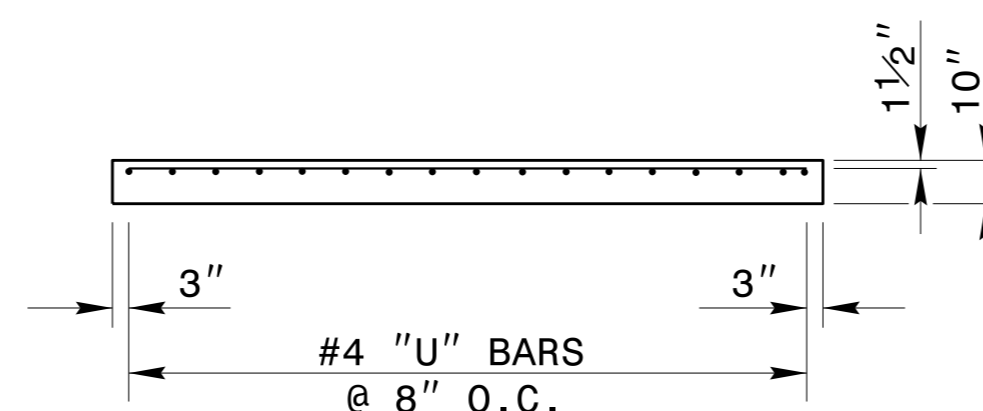
**SECTION A-A**



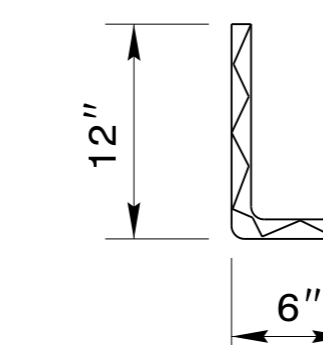
**SECTION B-B**



**SECTION C-C TOP SLAB**



**SECTION C-C BOTTOM SLAB**



**DOWEL**

**GENERAL NOTES:**

USE CLASS "B" CONCRETE THROUGHOUT.

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 THE POSITION AS DIRECTED BY THE ENGINEER. CUT AND BEND ALL REBAR CROSSING THE OPENING TO ALLOW 2" MINIMUM CONCRETETE COVERAGE.

OPTIONAL CONSTRUCTION - MONOLITHIC POUR, 2" KEYWAY, OR #4 BAR DOWELS AT 12" CENTERS AS DIRECTED BY THE ENGINEER.

USE FORMS FOR THE CONSTRUCTION OF THE BOTTOM SLAB.

IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840.00.

CONSTRUCT WITH PIPE CROWNS MATCHING.

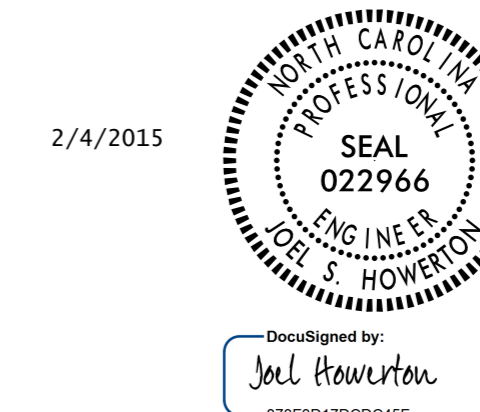
CHAMFER ALL EXPOSED CORNERS 1".

DRAWING NOT TO SCALE.

**BILL OF MATERIAL FOR JUNCTION BOX**

REINF. STEEL			1 PIPE	
BAR	SIZE	LENGTH	NO.	WEIGHT
V	#4	9'-11"	40	265
V1	#4	8'-2"	26	142
H	#4	12'-8"	16	135
U	#4	13'-4"	30	267
REINF. STEEL LBS.				809
CLASS "B" CONCRETE			CU. YDS.	17

NO DEDUCTIONS HAVE BEEN MADE TO ACCOMMODATE PIPES OR MANHOLE OPENING.



**CONTRACT STANDARDS AND DEVELOPMENT UNIT**  
Office 919-707-6950 FAX 919-250-4119

**CONCRETE JUNCTION BOX FOR 103"x71"CM PIPE ARCH**

ORIGINAL BY: kakempf	DATE: 06-10-14
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.: special_details/kkempf/english/U3338B_pipearchB103x71.dgn	