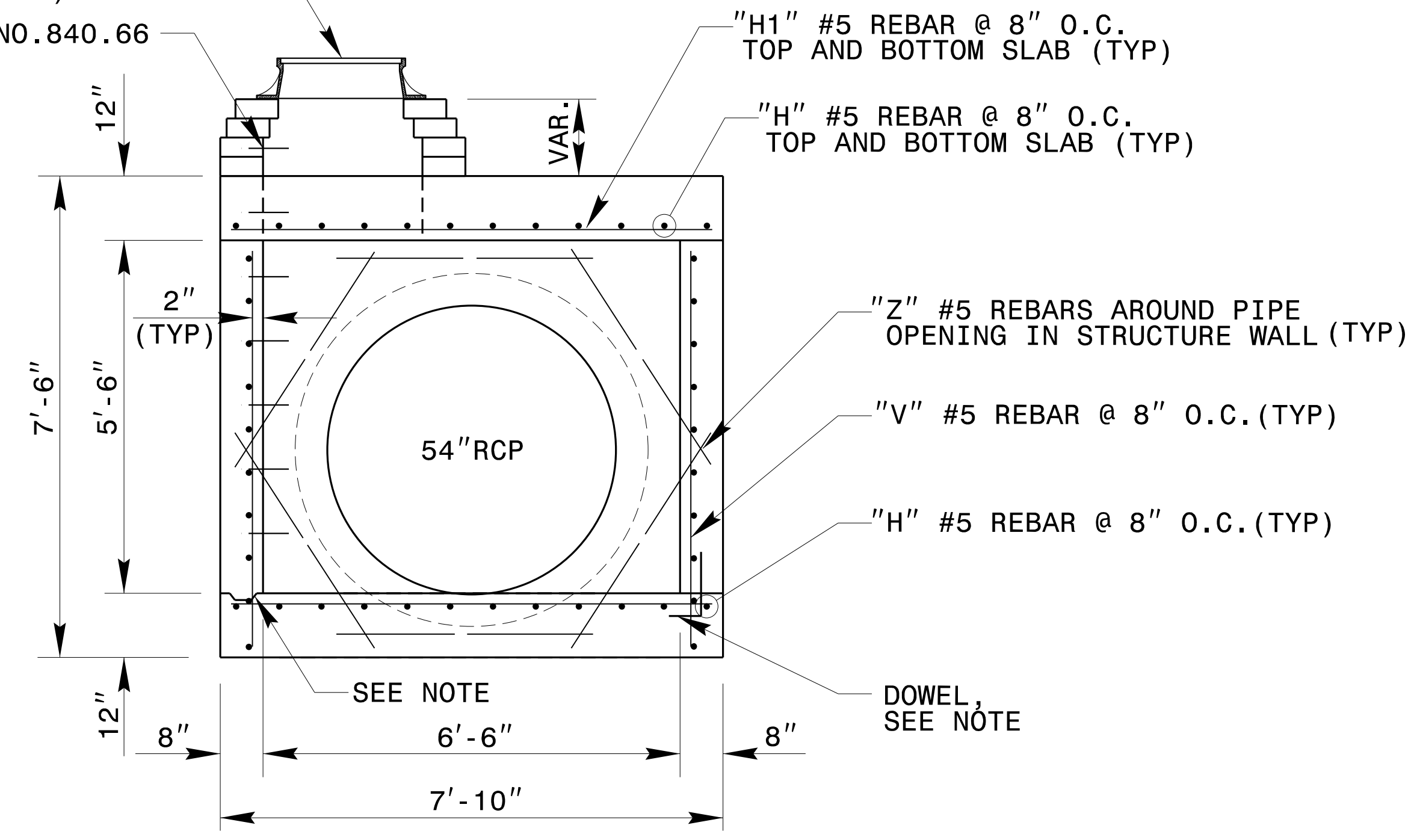


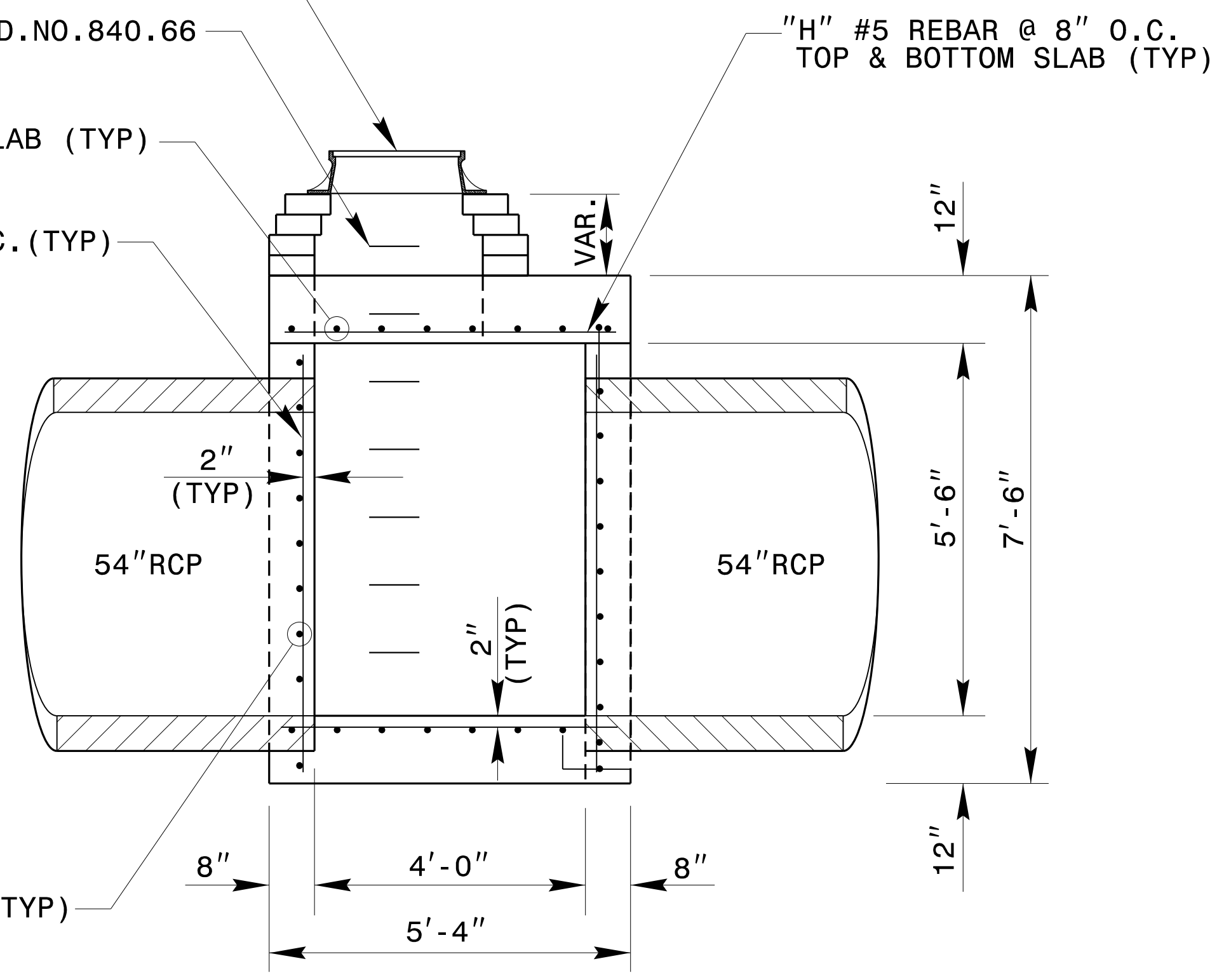
SEE STANDARD 840.54 FOR MANHOLE FRAME & COVER (OPTIONAL)
SEE STEP STD.NO.840.66



SECTION A-A

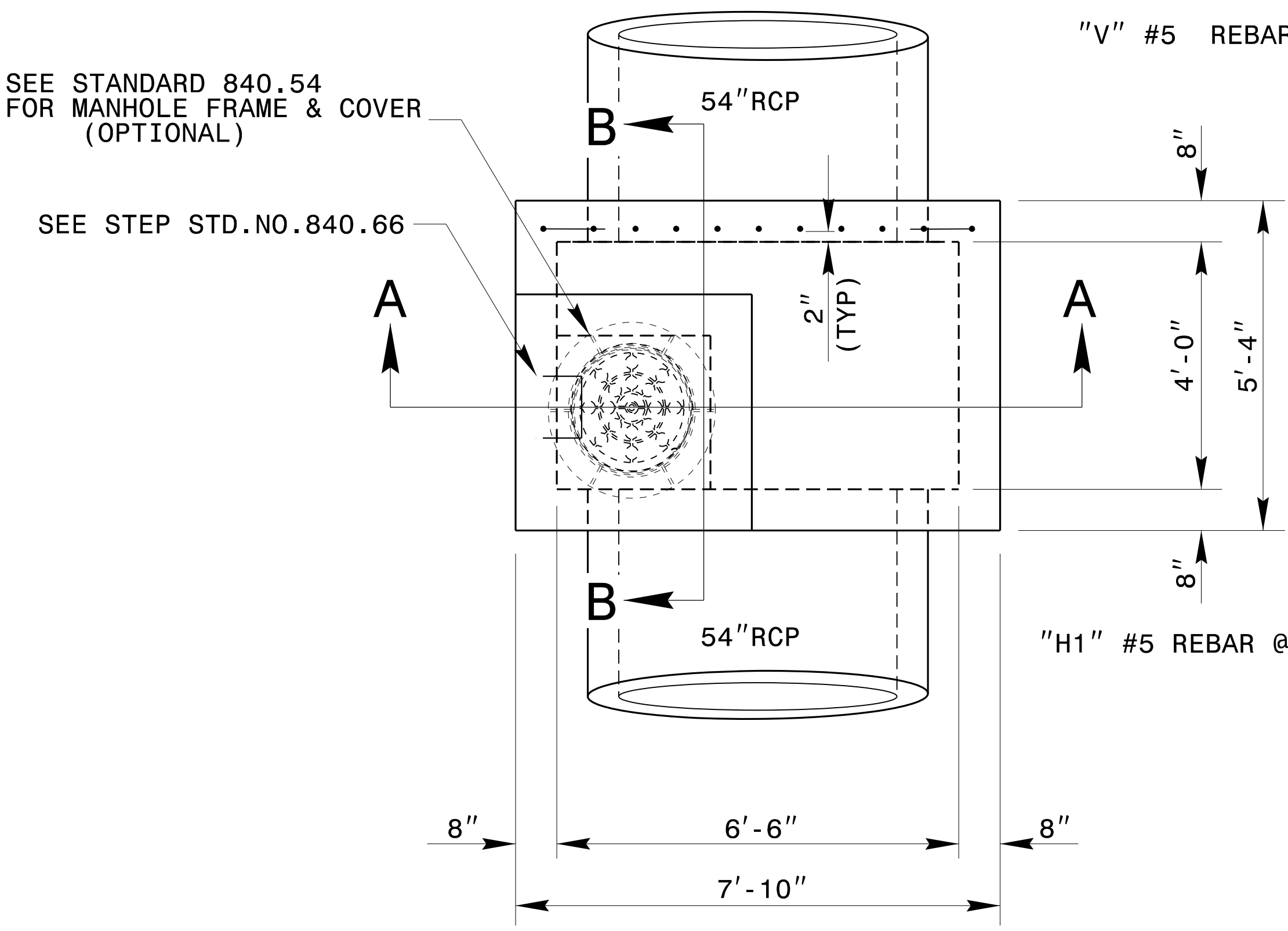
GENERAL NOTES:
USE CLASS "AA" CONCRETE THROUGHOUT.
PROVIDE ALL JUNCTION BOXES OVER 3'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.66.
OPTIONAL CONSTRUCTION - MONOLITHIC POUR, 2" KEYWAY, OR #4 BAR DOWELS AT 12" CENTERS AS DIRECTED BY THE ENGINEER.
USE FORMS FOR THE CONSTRUCTION OF THE BOTTOM SLAB.
INSTALL MANHOLE IN POSITION AS DIRECTED BY THE ENGINEER. CUT AND BEND ALL REBAR CROSSING THIS OPENING TO ALLOW 2" MINIMUM CONCRETE COVERAGE.
CHAMFER ALL EXPOSED CORNERS 1".
2" MINIMUM CONCRETE COVERAGE ON ALL REBAR.
IF REINFORCED CONCRETE PIPE IS SET IN BASE SLAB OR BOX, ADD TO BASE AS SHOWN IN STD. NO. 840.00.
MAKE ALL ADJUSTMENTS AS DIRECTED BY THE ENGINEER

SEE STANDARD 840.54 FOR MANHOLE FRAME & COVER (OPTIONAL)
SEE STEP STD.NO.840.66



SECTION B-B

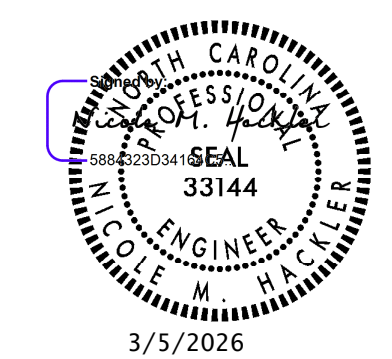
SEE STANDARD 840.54 FOR MANHOLE FRAME & COVER (OPTIONAL)
SEE STEP STD.NO.840.66



PLAN VIEW

| BILL OF MATERIALS | | | | |
|---------------------------|-----|------|--------|--------|
| BAR | NO. | SIZE | LENGTH | WEIGHT |
| H | 44 | #5 | 5'-0" | 230 |
| H1 | 25 | #5 | 7'-6" | 196 |
| V | 26 | #5 | 6'-2" | 168 |
| Z | 6 | #5 | 4'-0" | 25 |
| TOTAL REINF. STEEL (LBS.) | | | | 619 |
| TOTAL CONC. (CU. YDS.) | | | | 6.3 |

* 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 CULVERT



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

TRAFFIC BEARING JUNCTION BOX FOR PROPOSED 54" RCP

ORIGINAL BY: _____ DATE: _____
MODIFIED BY: nbritt DATE: 12/22/09
CHECKED BY: _____ DATE: _____
FILE SPEC.: detail/nbritt/english/rural/r2233aa 4x4cu1v54tjb.dgn

5/14/99
SYTIME
CONNECTION
USERNAME