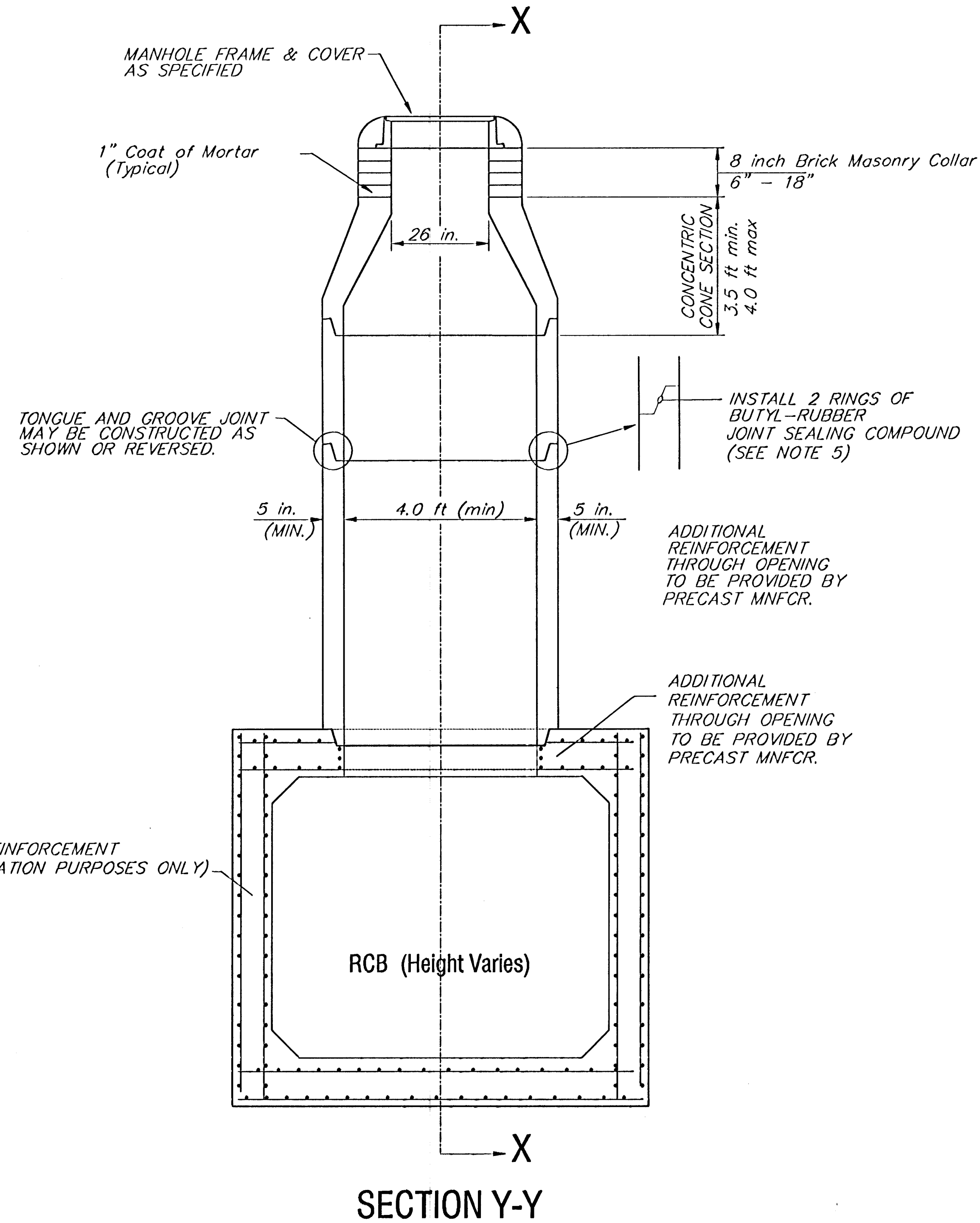
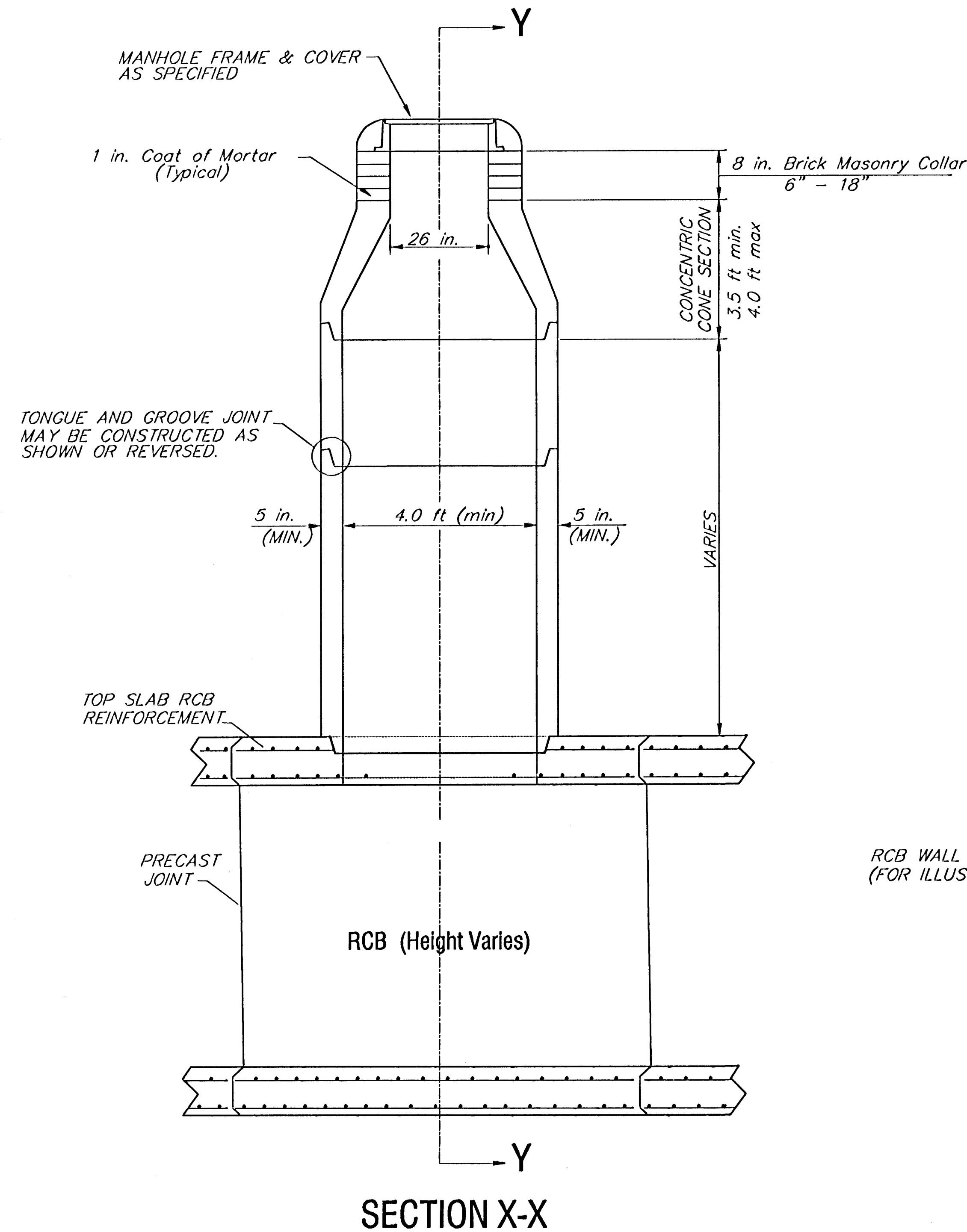


PRECAST MANHOLE LOCATED ALONG THE REINF.
CONCRETE BOX SHALL HAVE A TONGUE &
GROOVE JOINT AT THE MATING SURFACE OF
THE BASE OF THE STACK & THE ADJOINING
REINFORCED CONCRETE BOX.

AREA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87-N-0303-01	2003	57	143

PRECAST MANHOLE DETAIL



GENERAL NOTES

1. ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISIONS OF A.S.T.M. C-478M AS MODIFIED BY THE SPECIFICATIONS.
2. NON-SHRINK GROUT SHALL BE NON-METALLIC TYPE.
3. ALL INSIDE SURFACES OF THE CONCRETE MANHOLE WHICH WOULD BE EXPOSED TO SEWER GAS SHALL BE COATED WITH 2 COATS TNEPEC SERIES 66 HI-BUILD EPOXOLINE, DRY THICKNESS OF 8 MILS (MIN.) OR APPROVED EQUAL.
4. EXTERIOR MANHOLE WALLS SHALL BE COATED WITH 1 COAT MOBILARMA 633 BITUMINOUS COATING OR APPROVED EQUAL.
5. JOINT SEALING COMPOUND SHALL BE KENT SEAL NO. 2 OR APPROVED EQUAL.
6. LIFTING HOLES SHALL BE FILLED WITH NON-SHRINK GROUT AND THE INTERIOR SURFACE COATED AS SPECIFIED.
7. MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8.0 SACKS OF CEMENT PER ONE CUBIC YARD.
8. MANHOLES CONSTRUCTED WHERE INFLOWING PIPE SIZES ARE SMALLER THAN 24 in. SHALL HAVE AN INSIDE DIAMETER OF 4.0 FT. MANHOLES CONSTRUCTED WHERE PIPE SIZES ARE 24 in. OR LARGER SHALL HAVE AN INSIDE DIAMETER OF 5.0 FT. COMPLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATER TIGHT.
9. MANHOLE COVER CASTINGS AND MANHOLE FRAME CASTINGS SHALL CONFORM TO THE REQUIREMENTS AS INDICATED IN THE STANDARD SPECIFICATIONS AND AS SHOWN IN THE STANDARD DETAIL DRAWING.
10. THE BID ITEM "PRECAST MANHOLE" SHALL INCLUDE ALL MATERIAL, PAINTING, CAST IRON, EXCAVATION, BACKFILLING, EQUIPMENT, TOOLS, AND ALL OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK.
11. A BRICK MASONRY COLLAR SHALL BE INSTALLED BETWEEN THE CAST IRON FRAME AND THE CONCENTRIC CONE. THE COLLAR WILL HAVE 8 INCH WALLS AND A VERTICAL HEIGHT OF 8 in. MINIMUM AND 18 in. MAXIMUM. A 1 in. COAT OF MORTAR WILL BE PLASTERED ON THE OUTSIDE OF THE COLLAR. THE USE OF PRE-CAST CONCRETE SPACERS FOR MANHOLE TOP ADJUSTMENT SHALL BE ALLOWED.
12. PIPES INSTALLED WITHIN THE EXCAVATION MADE FOR THE MANHOLE MAY REQUIRE (WHEN DIRECTED BY THE ENGINEER) A SUPPORTING CONCRETE CRADLE TO THE LIMITS OF THE EXCAVATION. COST OF CRADLE WITHIN MANHOLE EXCAVATION SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.

PROJECT NUMBER 472-83902			SHEET NAME PC Stack		ENGINEERING DIRECTORY FA/Hydraulic phs2/details	
DESIGN STAFF	DRAWN STAFF	APPROVED JFB	DATE Nov, 2003	SCALE None	BAUGHMAN NO 99-09-B451	

CAPITAL IMPROVEMENT PROJECT
**PRECAST MANHOLE STACK for RCBC
and REINFORCED CONCRETE MANHOLES**
HYDRAULIC AVENUE PAVING - 55th STREET SOUTH TO 47th STREET SOUTH

BAUGHMAN COMPANY, P.A.
ENGINEERING, SURVEYING, & PLANNING
319-282-7271 • 315 ELLIS • WICHITA, KANSAS 67211

SHEET
57
OF
143