

ALTERNATE MATERIAL FOR THE WALLS MAY BE CONCRETE MASONRY UNITS, PRECAST REINFORCED CONCRETE SECTIONS OR CAST-IN-PLACE CONCRETE. THE CAST IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN MAY BE USED WHEN APPROVED BY THE ENGINEER. CAST IRON STEPS SHALL BE GRAY IRON CONFORMING TO THE REQUIREMENTS OF ARTICLE 1006.14 OF THE STANDARD SPECIFICATIONS.

STEPS SHALL BE EMBEDDED INTO THE WALL A MINIMUM OF THREE (3) INCHES. STEPS

SHALL NOT BE EXTENDED ON THE OUTSIDE.

STEPS SHALL BE OMITTED FOR WORK IN COOK COUNTY WHEN THE DEPTH OF THE MANHOLE IS TEN (10') OR LESS.

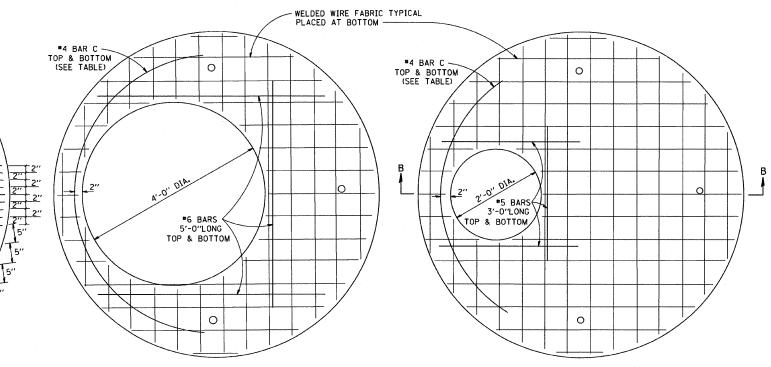
IN ADDITION TO THE REQUIREMENTS OF ARTICLE 612.13 OF THE STANDARD SPECIFICATIONS, THE CONTRACT UNIT PRICE FOR MANHOLES, TYPE A, 7'-DIAMETER SHALL INCLUDE THE SAND CUSHION WHEN REQUIRED, FURNISHING AND INSTALLING STEPS WHEN REQUIRED, FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL, AND FURNISHING AND INSTALLING FLAT SLAB TOP.

PRECAST FLAT SLAB TOP SHALL CONFORM TO ARTICLES 505.01 THRU 505.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE CONCRETE STRENGTH SHALL BE 4,000 PSI AFTER 28 DAYS, REINFORCEMENT BARS AND WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 1006.10. ONLY GRADE 60 REINFORCE-MENT BARS WILL BE PERMITTED.

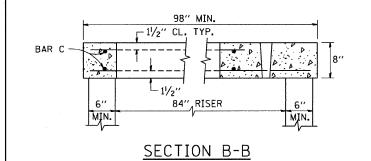
WIRE FABRIC. THE MINIMUM REINFORCEMENT SHALL BE 0.46 SQUARE INCH PER LINEAR FOOT IN BOTH DIRECTIONS.

JOINT CONFIGURATION AND DIMENSIONS OF FLAT SLAB TOP SHALL MATCH AND FIT THE RISER JOINT DETAIL.

LIFTING DEVICES SHALL BE APPROVED BY THE ENGINEER.



PLAN SHOWING WELDED WIRE FABRIC REINFORCEMENT



TYPICAL LOCATION FOR

REBAR-TYPICAL

61/2"

PLACED AT BOTTOM

\*4 BAR C ~

TOP & BOTTOM (SEE TABLE)

#6 BARS

TOP & BOTTOM

2" 2" 2" 2" 2" 2" 2" 2"

PLAN SHOWING REBAR REINFORCEMENT

VAR.

12'-

6" MIN.

INLET

#4 BAR C TOP & BOTTOM (SEE TABLE)

DATE NAME SCALE NAME

PLOT FILE PLOT USER

#6 BARS TOP & BOTTOM

4'-0" DIA.

MAX.

T 7 hour book book								
DIAMETER	REINFORCEMENT OR BAR		BAR C					
OF OPENING	EACH DIRECTION	SIZE	SIZE	LENGTH	RADIUS			
2′-0″	1.06 SO.IN./LIN.FT.	#6	#4	6′-0′′	38"			
4'-0''	0.82 SO.IN./LIN.FT.	#6	#4	9′-0′′	38''			

TABLE

REVISIO	NS	ILLINOIS DEDARTME	NT OF TRANSPORTATION	<u></u>	
NAME	DATE	ILLINOIS DEPARTME	NI OF TRANSPORTATIO	JN	
	10/18/02			l	
			MANHOLE TYPE A 7 FOOT DIAMETER		
		SCALE: VERT. NONE HORIZ.	DRAWN BY		
			CHECKED BY		
			BD600-11	(BD-37)	