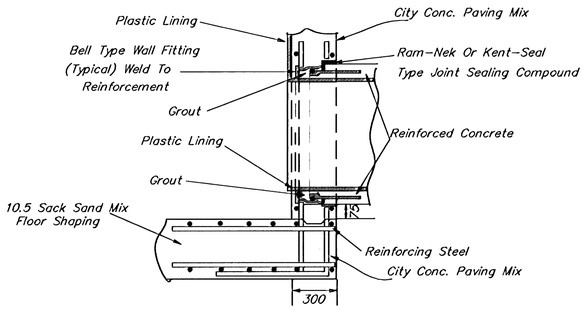
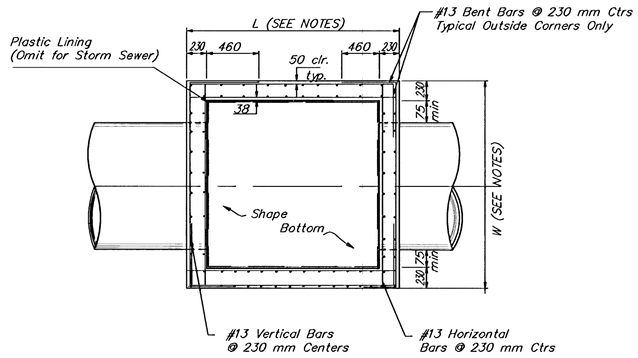
STATE	PROJECT NO.	YEAR	SHEET NO	TOTAL SHEETS
KANSAS	87 N-0287-01	2003	42	107



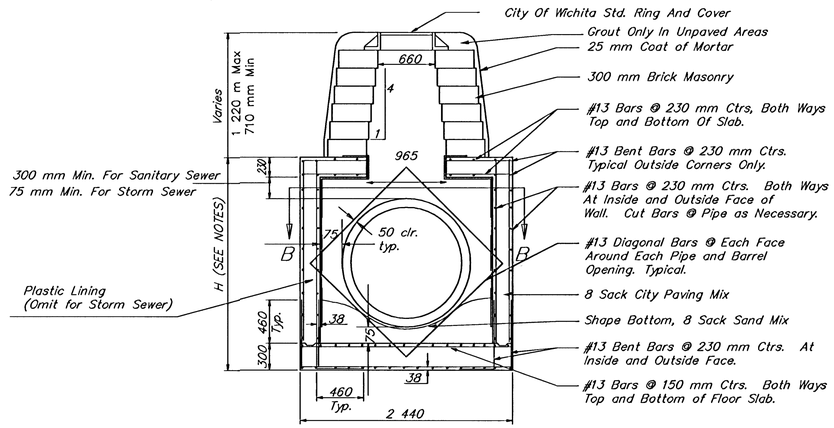
R.C.P. CONNECTION DETAIL

SANITARY SEWER ONLY



NOTE:
Bend Bars Not More Than 200 mm
to Clear Pipes, or Cut Bars
50 mm Clear of Pipe, as Necessary.

TOP VIEW



REINFORCED CONCRETE MANHOLE

MANHOLE STACK 710 mm TO 1 220 mm

GENERAL NOTES:

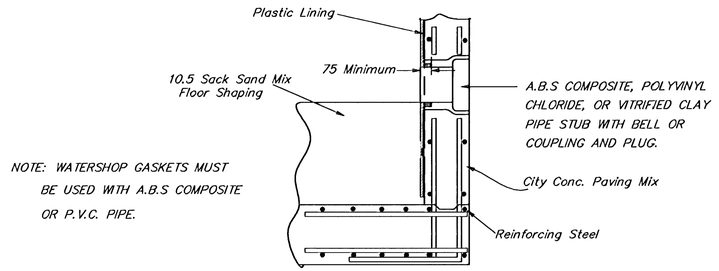
1. MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 10.5 SACKS OF CEMENT PER m^3. CONCRETE USED IN MANHOLE WALLS AND BASES SHALL CONFORM TO THE REQUIREMENTS FOR CONCRETE PAVEMENT CONSTRUCTION AS SPECIFIED IN THE CITY STANDARD PAVING SPECIFICATIONS, USING CITY CONCRETE PAVEMENT MIX WITHOUT AIR ENTRAINING ADMIXTURE. MORTAR SHALL BE PLACED AROUND THE MANHOLE RING AS SHOWN ON THE DRAWINGS WHEN MANHOLES ARE CONSTRUCTED IN UNPAVED AREAS. COMPLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATER TIGHT.

2. THE FLOORS OF ALL MANHOLES SHALL BE SHAPED WITH FLOW CHANNELS SUCH THAT THE MANHOLES WILL BE SELF CLEANING. USING 8-SACK SAND MIX CONCRETE. FLOW CHANNELS SHALL BE FORMED TO MATCH THE BOTTOM HALVES OF THE INFLOWING PIPES AND THE OUTFLOWING PIPE. MANHOLE FLOORS SHALL HAVE SLOPES OF 25.000% IN THE AREAS OUTSIDE OF THE FLOW CHANNELS SLOPED TOWARD THE FLOW CHANNELS.

3. MANHOLE COVER CASTINGS AND MANHOLE FRAME CASTINGS SHALL CONFORM TO THE RE-QUIREMENTS AS INDICATED IN THE STANDARD SPECIFICATIONS AND AS SHOWN IN THE STANDARD DETAIL DRAWING.

4. THE ENDS OF ALL PIPES IN MANHOLES SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF MANHOLE WALL.

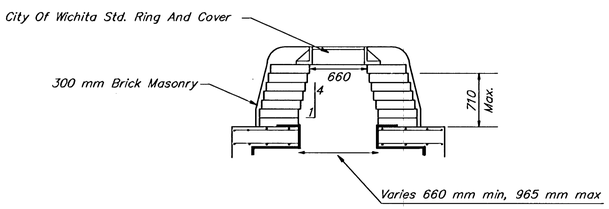
5. "L" & "W" SHALL BE AS SPECIFIED IN THE PLANS.



NOTE: WATERSHOP GASKETS MUST
BE USED WITH A.B.S COMPOSITE
OR P.V.C. PIPE.

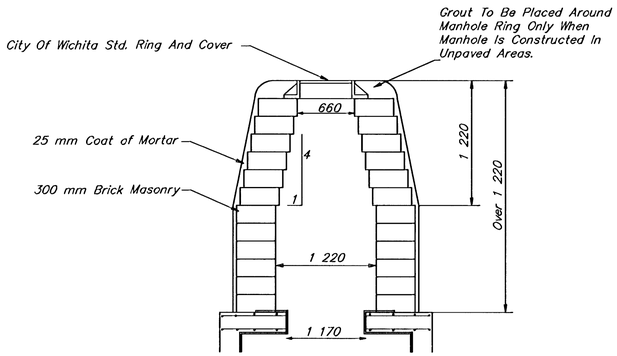
PIPE STUB DETAIL

SANITARY SEWER ONLY



REINFORCED CONCRETE MANHOLE

MANHOLE STACK LESS THAN 710 mm



REINFORCED CONCRETE MANHOLE

MANHOLE STACK OVER 1 220 mm

REV. 1/05/01, MCG

THE CITY OF WICHITA

CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202
(316) 268-4501
(316) 268-4112 FAX

REINFORCED CONCRETE MANHOLE

M. E. LINDEBAK P.E. - CITY ENGINEER

PROJECT NUMBER	INDEX CODE
87 N-0287-01	XXXXXX
DATE: APRIL 99	SHEET 42 OF 107