



**REINFORCED CONCRETE MANHOLE
FOR USE IN VEHICLE TRAFFIC BEARING**

PRE-CAST REINFORCE CONCRETE BOXES, MEETING CITY OF WICHITA OR KDOT STANDARD SPECIFICATIONS, MAY BE USED IN LIEU OF CAST-IN-PLACE. PRE-CAST DESIGN DIMENSIONS SHALL BE BASED ON VEHICULAR TRAFFIC BEARING.

**As-Built Drawing
1/25/10**

GENERAL NOTES:

- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD. 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.
- 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 3 INCHES PER FOOT IN THE AREAS OUTSIDE OF THE FLOW CHANNELS SLOPED TOWARD THE FLOW CHANNELS.
- 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.
- THE ENDS OF ALL PIPES/BOXES IN MANHOLES SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF MANHOLE WALL.

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**HOUSE OF SCHWAN ADDITION
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REIN. CONCRETE MANHOLE DETAILS

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REVISIONS	
Δ 12.11.2009	PERMIT RE-ISSUE
Δ 1-25-10	AS-BUILT

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