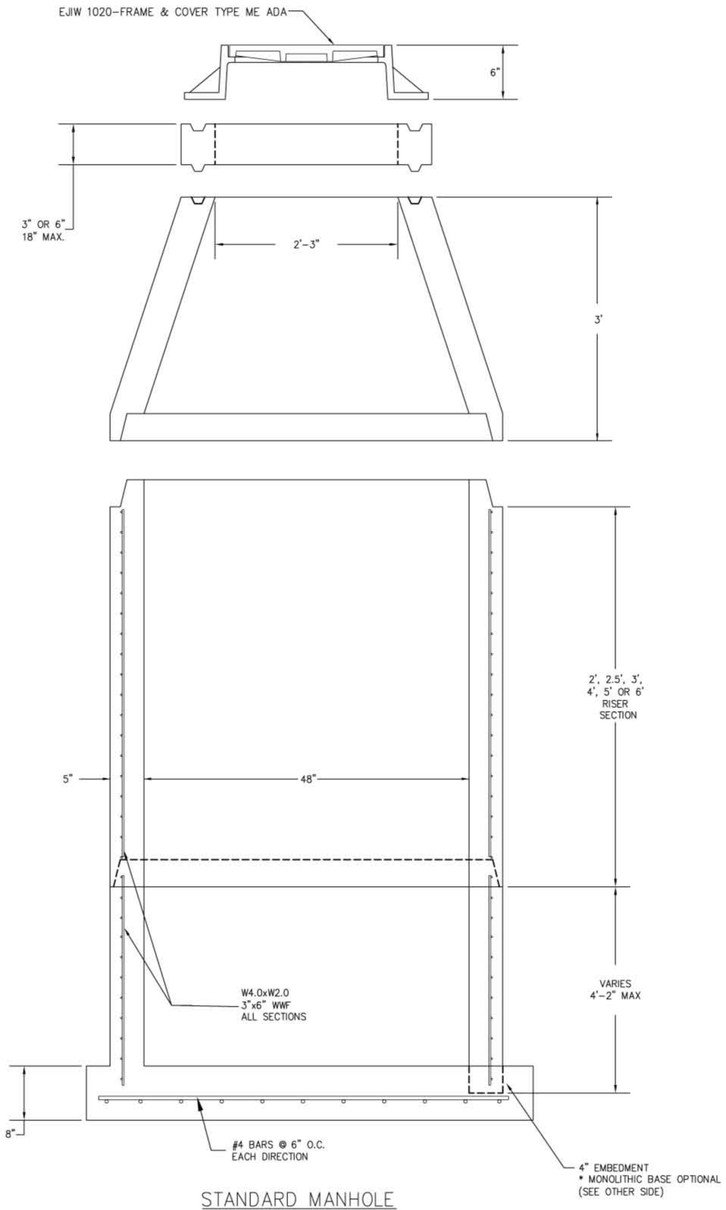
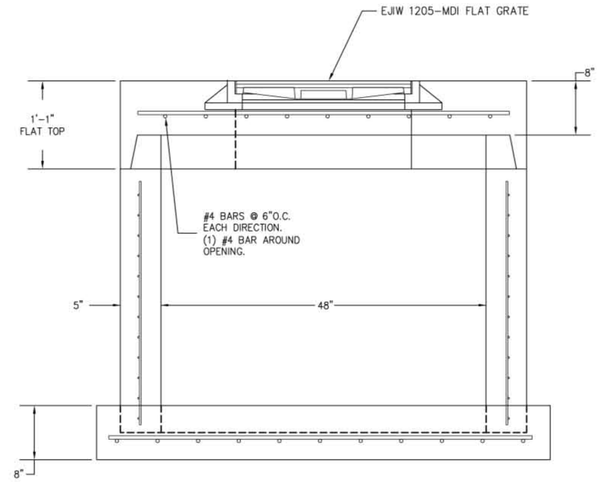


STANDARD MANHOLE

FOR LINE A
FOR LINE B



ALTERNATE DESIGN FOR SHALLOW MANHOLES

FOR LINE C

1. ALL MANHOLES MEET CURRENT ASTM C478 SPECIFICATIONS.
2. ALL REINFORCING IS GRADE 60.
3. FOR ROUGH CUT OPENINGS, AN APPROVED WATERSTOP GASKET AND NON–SHRINK GROUT MEETING MANHOLE SPECIFICATION WILL BE USED FOR PIPE TO MANHOLE CONNECTIONS.
4. FOR PREFORMED GASKET CONNECTION USE A–LOK GASKET AS MANUFACTURED BY A–LOK PRODUCTS CORP.
5. JOINTS BETWEEN MANHOLE SECTIONS TO BE SEALED WITH TWO WRAPS OF EXTRUDED BUTYL RUBBER JOINT MASTIC MEETING MANHOLE SPECIFICATIONS.
6. THE FLOORS OF ALL MANHOLES SHALL BE SHAPED WITH FLOW CHANNELS SUCH THAT THE MANHOLES WILL BE SELF CLEANING AND FREE OF AREAS WHERE SOLIDS COULD BE DEPOSITED AS SEWAGE FLOWS THROUGH THE MANHOLE FROM ALL INLET PIPES TO THE OUTLET PIPE. FLOW CHANNELS SHALL BE FORMED TO MATCH THE BOTTOM HALVES OF THE INFLOWING PIPES AND THE OUTFLOWING PIPE AS SHOWN BY THE DRAWINGS. MANHOLE FLOORS SHALL HAVE SLOPES OF 3 INCHES PER FOOT IN THE AREAS OUTSIDE OF THE FLOW CHANNELS SLOPED TOWARD THE FLOW CHANNELS. PIPES LAID THROUGH MANHOLES SHALL HAVE THE TOP HALF REMOVED TO NEAT LINES FOR THE FULL INSIDE DIAMETER OF THE MANHOLE. MANHOLE FLOORS SHALL THEN BE SHAPED AROUND THE BOTTOM HALF OF THE PIPE WHICH FORMS THE FLOW CHANNEL.

PRINTS ISSUED

DATE	PURPOSE	INC
10.05.09	FIELD CHECK	
11.12.09	OFFICE CHECK	
02.01.10	FINAL PLANS	

RIVER CORRIDOR
IMPROVEMNTS PHASE 1C:
WICHITA, KS

LawKingdonArchitecture
Engineering · Planning · Interiors · Landscapes

LawKingdon Architecture
345 RIVERVIEW, WICHITA, KS 67203
Phone (316) 268–0230 Fax: (316) 268–0205
CONTACT: Karla Waters, PE

PROJECT NUMBER:
08386

SHEET TITLE:
48" MANHOLE SPEC.
GRATED

SHEET NUMBER:
C1.7

WILSON & COMPANY
ENGINEERS & ARCHITECTS

November 6, 2009 TDP M:\TRN\08-100-416-00\CADD\SHEETS\AS SUBMITTED 02-01-10\C1_7_48 INCH MANHOLE SPECI.dwg