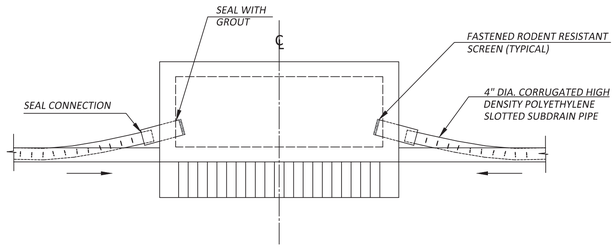
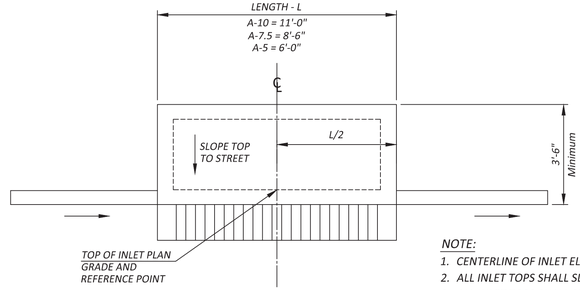


LONGITUDINAL SUBDRAIN

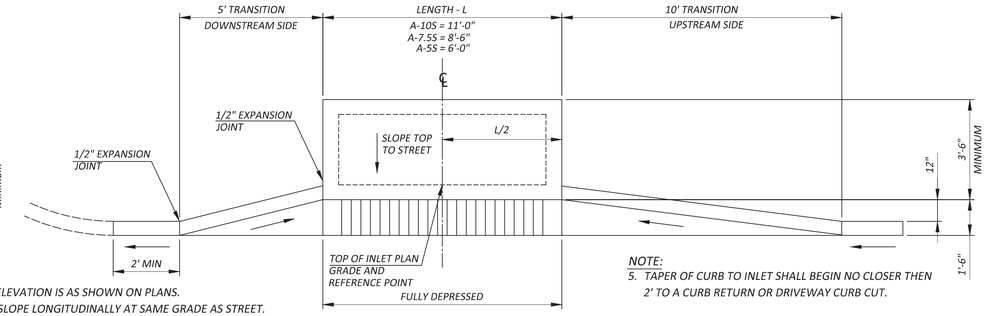


STANDARD INLET PLACEMENT

TYPES A-5, A-7.5 & A-10

NOTE:

1. CENTERLINE OF INLET ELEVATION IS AS SHOWN ON PLANS.
2. ALL INLET TOPS SHALL SLOPE LONGITUDINALLY AT SAME GRADE AS STREET.
3. ALL INLET TOPS SHALL SLOPE TOWARD STREET AT ¼" PER FOOT.
4. WHEN SETBACK INLETS ARE LOCATED IN A SUMP, TRANSITION FROM CURB LINE TO INLET SHALL BE 5' ON BOTH SIDES, GUTTER CASTING IS OPTIONAL.

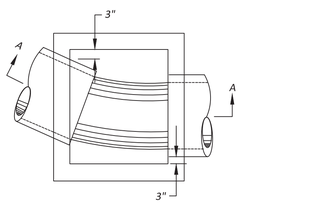


NOTE:

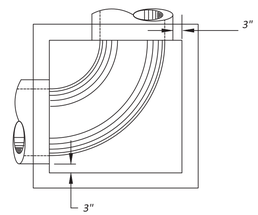
5. TAPER OF CURB TO INLET SHALL BEGIN NO CLOSER THEN 2' TO A CURB RETURN OR DRIVEWAY CURB CUT.

SETBACK INLET PLACEMENT

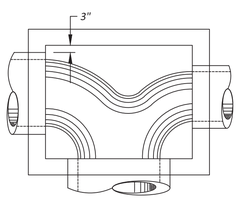
TYPES A-5S, A-7.5S & A-10S



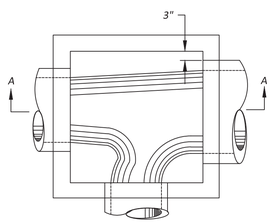
FLOOR PLAN I



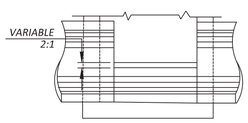
FLOOR PLAN II



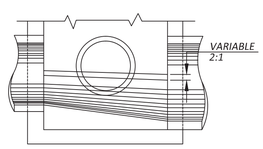
FLOOR PLAN III



FLOOR PLAN IV

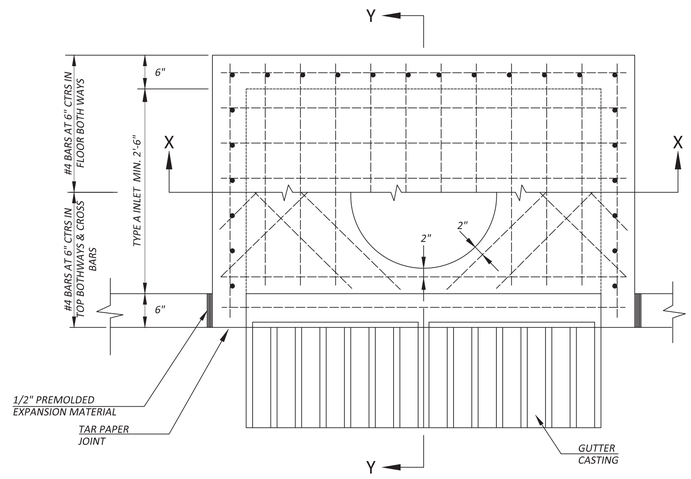


SECTION A-A (FLOOR PLAN I)



SECTION A-A (FLOOR PLAN IV)

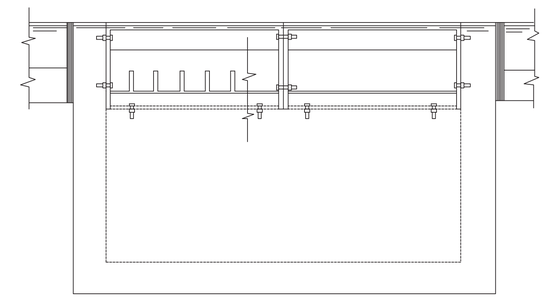
TYPICAL INVERT SHAPING DETAILS



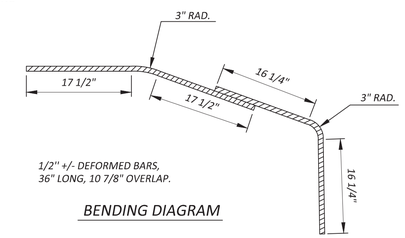
PLAN VIEW

TYPE	INSIDE WIDTH *	INSIDE LENGTH
A-5 A-5S	2'-6" MIN	5'-0"
A-7.5 A-7.5S	2'-6" MIN	7'-6"
A-10 A-10S	2'-6" MIN	10'-0"

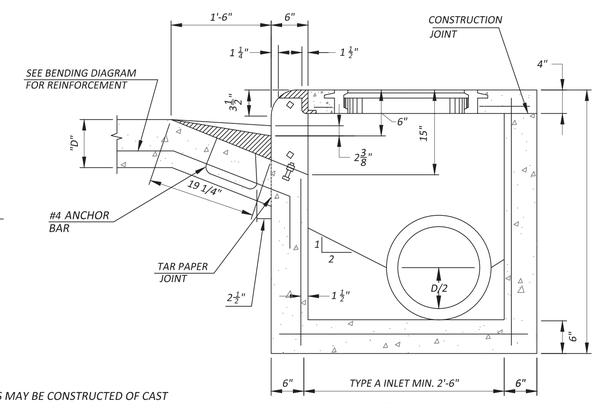
FOR PIPES UP TO 24" IN DIAMETER
* WIDTH SHALL BE 2'6". FOR PIPES LARGER THAN 24" IN DIAMETER WIDTH
* SHALL BE THE OUTSIDE DIAMETER OF THE PIPE PLUS 3" CLEARANCE ON EACH SIDE.



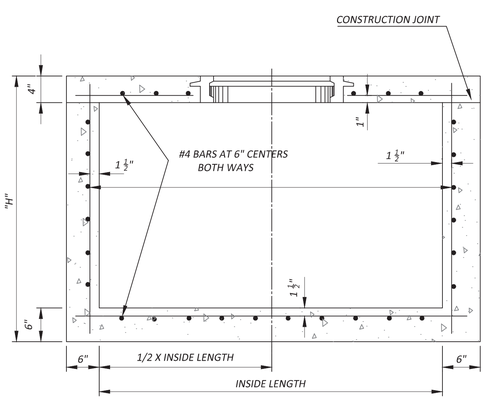
FRONT ELEVATION



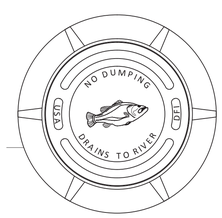
BENDING DIAGRAM



SECTION Y-Y



SECTION X-X



MANHOLE RING & COVER

NOTES:

1. AT THE CONTRACTORS OPTION, INLET BOXES MAY BE CONSTRUCTED OF CAST IN PLACE REINFORCED CONCRETE, PRE-CAST CONCRETE BOXES WITH POURED REINFORCED CONCRETE TOP SLABS, OR PRE-CAST CONCRETE BOXES WITH PRE-CAST REINFORCED CONCRETE TOP SLABS.
2. ALL REINFORCED CONCRETE STORM SEWER PIPE SHALL BE CLASS III OR BETTER.
3. THE RING AND COVER SHALL BE CLAY AND BAILEY NO.2084-3 OR APPROVED EQUIVALENT.
4. GUTTER CASTINGS SHALL BE CLAY AND BAILEY NO. 2084-1 OR APPROVED EQUIVALENT, AND SHALL BE INSTALLED WHEN THE INLET IS NOT LOCATED IN A SUMP.
5. INLET LID SUPPORT AT FACE OF INLET SHALL BE CLAY AND BAILEY NO. 2086-2.
6. ALL LIDS SHALL BE STAMPED WITH "DRAINS TO RIVER" AND THE ENVIRONMENTAL FISH ICON. LETTERING SHOULD BE A MINIMUM 1 INCH IN SIZE AND BE EASILY READABLE.

STANDARD INLET CONSTRUCTION

TYPES A-5, A-7.5 & A-10

PIPE BEDDING FOR REINFORCED CONCRETE PIPE

15" DIAMETER AND LARGER
(NOT TO SCALE)

PIPE BEDDING FOR REINFORCED CONCRETE PIPE

15" DIAMETER AND LARGER WITH GEO-TEXTILE FABRIC
(NOT TO SCALE)

NO.	DATE	DESCRIPTION	BY
.	.	.	.

City of Manhattan Kansas
PUBLIC WORKS
1101 POYNTZ AVE., MANHATTAN, KS 66502 (785) 587-2415

MANHATTAN STANDARD DETAILS
MSD 2410 STORM SEWER DETAILS

CITY ENGINEER: BRIAN JOHNSON, P.E. | DESIGN BY:
CITY PROJ. #:
DATE: | DRAWN BY: | PAGE OF

BRIAN D. JOHNSON LICENSED 20469 8-1-15 KANSAS PROFESSIONAL ENGINEER

PLOTTED BY: RICK PETRIE PLOT DATE: 8/6/2015 10:28 AM X:\PUBLICWORKS\ENGINEERING\ENGINEERING STANDARDS\DETAILS\CURRENT\DWGS\MSD 2410 STORM SEWER DETAILS (2015-08).DWG