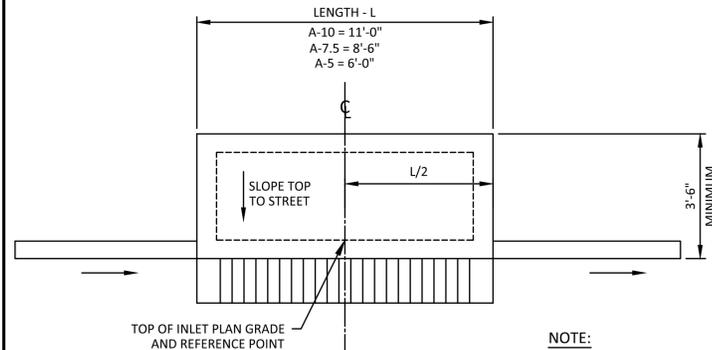
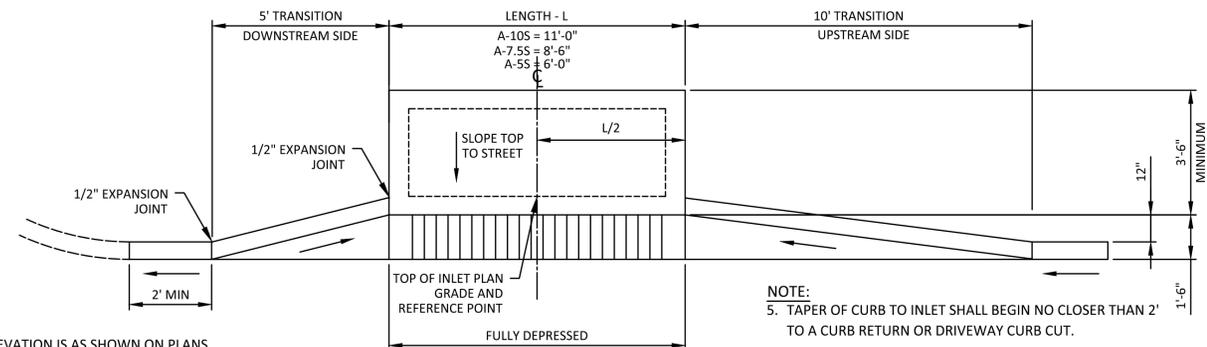


LONGITUDINAL SUBDRAIN



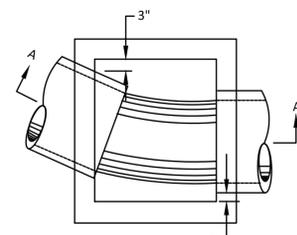
STANDARD INLET PLACEMENT  
TYPES A-5, A-7.5 & A-10

- 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 1/4" 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.

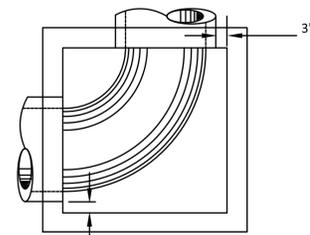


SETBACK INLET PLACEMENT  
TYPES A-5S, A-7.5S & A-10S

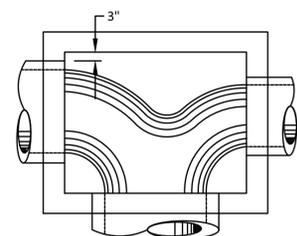
- NOTE:
5. TAPER OF CURB TO INLET SHALL BEGIN NO CLOSER THAN 2' TO A CURB RETURN OR DRIVEWAY CURB CUT.



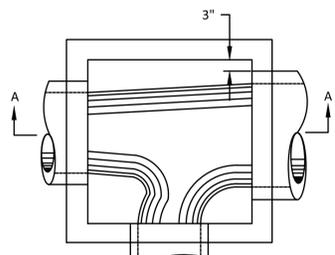
FLOOR PLAN I



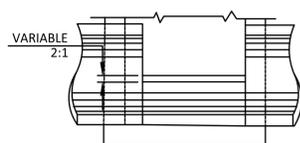
FLOOR PLAN II



FLOOR PLAN III



FLOOR PLAN IV

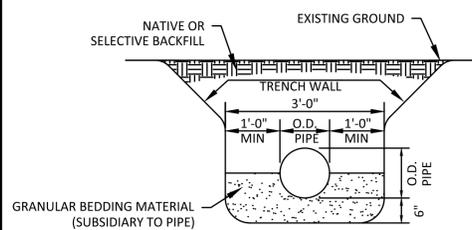


SECTION A-A  
(FLOOR PLAN I)

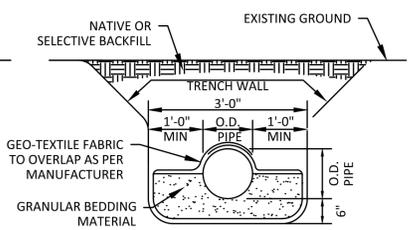


SECTION A-A  
(FLOOR PLAN IV)

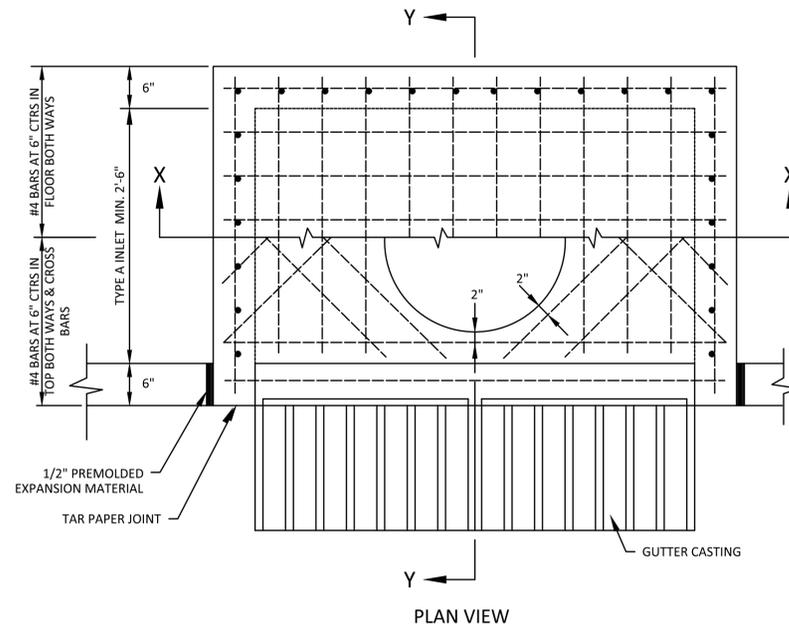
TYPICAL INVERT  
SHAPING DETAILS



PIPE BEDDING FOR REINFORCED  
CONCRETE PIPE  
15" DIAMETER AND LARGER  
(NOT TO SCALE)



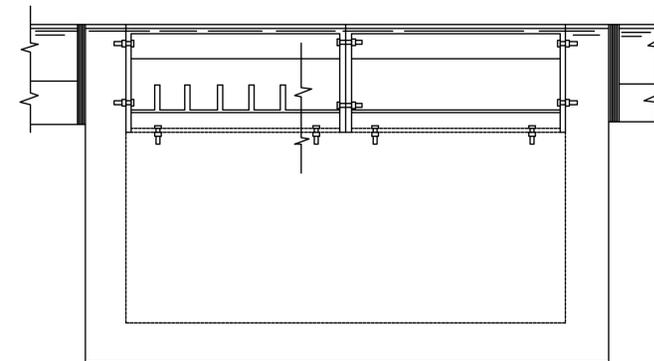
PIPE BEDDING FOR REINFORCED  
CONCRETE PIPE  
15" DIAMETER AND LARGER WITH GEO-TEXTILE FABRIC  
(NOT TO SCALE)



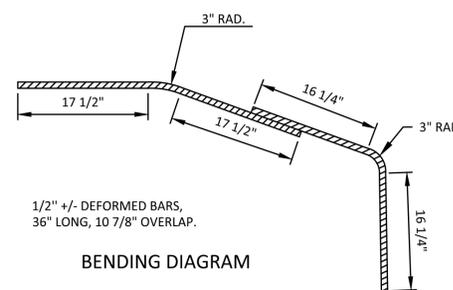
PLAN VIEW

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.



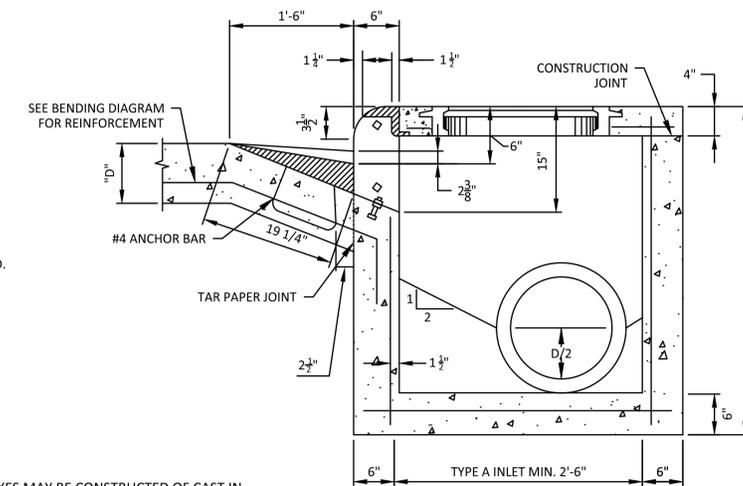
FRONT ELEVATION



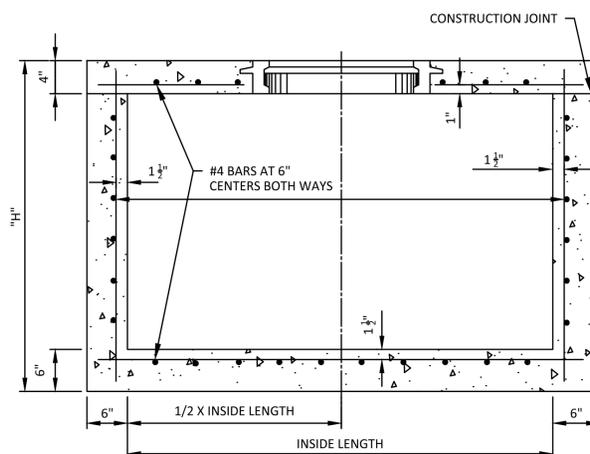
BENDING DIAGRAM

NOTES:

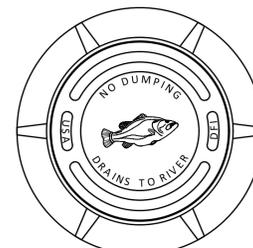
1. AT THE CONTRACTORS OPTION, INLET BOXES MAY BE CONSTRUCTED OF CAST IN PLACE REINFORCED CONCRETE, PRE-CAST CONCRETE BOXES WITH Poured REINFORCED CONCRETE TOP SLABS, OR PRE-CAST CONCRETE BOXES WITH PRE-CAST REINFORCED CONCRETE TOP SLABS.
2. ALL REINFORCED CONCRETE STORM SEWER PIPE SHALL BE CLASS III OR BETTER.
3. THE RING AND COVER SHALL BE DEETER NO. 2015 OR APPROVED EQUIVALENT.
4. CURB INLET GUTTER CASTINGS SHALL BE DEETER NO. 2080 OR APPROVED EQUIVALENT, AND SHALL BE INSTALLED WHEN THE INLET IS NOT LOCATED IN A SUMP.
5. ALL LIDS SHALL BE STAMPED WITH "NO DUMPING" AND "DRAINS TO RIVER" WITH THE ENVIRONMENTAL FISH ICON. LETTERING SHOULD BE A MINIMUM 1 INCH IN SIZE AND BE EASILY READABLE.



SECTION Y-Y



SECTION X-X



MANHOLE RING & COVER

STANDARD INLET CONSTRUCTION  
TYPES A-5, A-7.5 & A-10

NO.	DATE	DESCRIPTION	BY
<p>City of <b>Manhattan</b> Kansas</p> <p>PUBLIC WORKS 1101 POYNTZ AVE., MANHATTAN, KS 66502 (785) 587-2415</p> <p>MANHATTAN STANDARD DETAILS MSD 2410 STORM SEWER DETAILS</p>			
CITY ENGINEER: BRIAN JOHNSON, P.E.		DESIGN BY:	
CITY PROJ. #:		DRAWN BY:	
DATE:		PAGE	OF