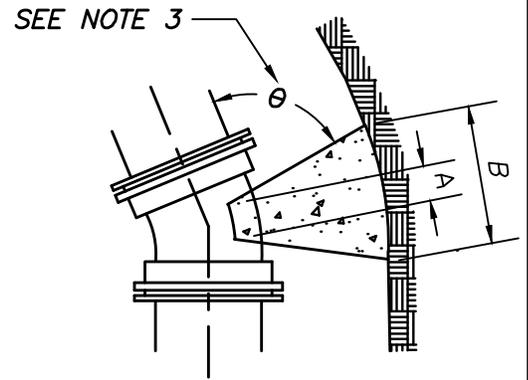
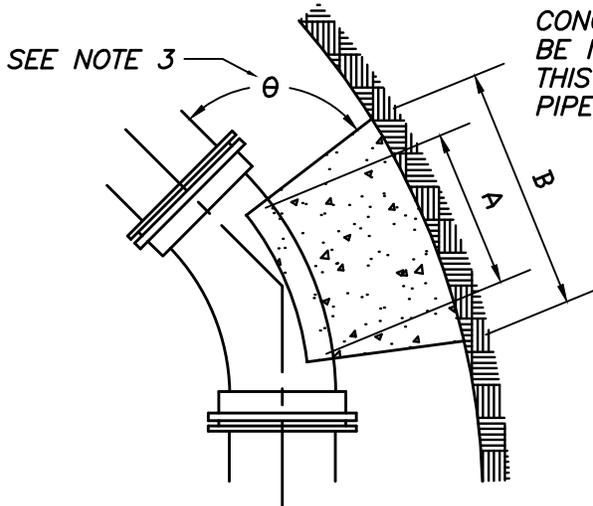


PLAN 90° BEND

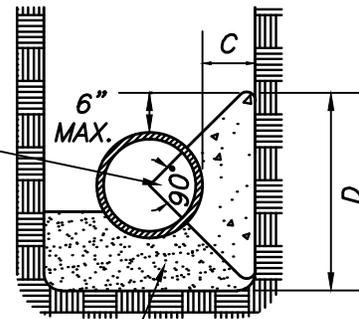


PLAN 22.5° BEND



PLAN 45° BEND

CONCRETE SHALL BE IN CONTACT WITH THIS QUADRANT OF PIPE. (MIN.)



SECTION

NOTES

1. PROVIDE MEGALUG JOINTS AT ALL FITTINGS.
2. DIMS. IN TABLE ARE BASED ON A WATER PRESSURE OF 150 PSI, AND AN EARTH RESISTANCE OF 2 TON/SQ.FT.
3. DIMENSIONS "C", SHOULD BE LARGE ENOUGH TO MAKE ANGLE θ EQUAL TO OR LARGER THAN 45°.
4. DIMENSIONS "A" SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH MECHANICAL JOINT BOLTS.
5. WHERE THRUST BLOCKS ARE NOT POSSIBLE, STRAPPING AND/OR MEGALUG JOINTS SHALL BE PROVIDED FOR 2 PIPE LENGTHS FROM FITTING.

THRUST BLOCK DIMENSIONS

PIPE SIZE	22.5° BEND		45° BEND		90° BEND	
	B	D	B	D	B	D
6"	1'-0"				1'-4"	1'-2"
8"	1'-0"	→	1'-4"	1'-2"	1'-10"	1'-6"
12"	1'-4"	→	1'-10"	→	2'-8"	2'-3"
16"	1'-10"	1'-8"	2'-6"	2'-4"	3'-10"	2'-10"
20"	2'-4"	2'-0"	3'-3"	2'-10"	5'-0"	3'-4"
24"	2'-10"	2'-4"	4'-0"	3'-3"	6'-4"	3'-10"
30"	3'-6"	3'-0"	5'-4"	3'-10"	8'-0"	4'-8"



CITY OF MIDDLETON
STANDARD DETAIL

THRUST BLOCK FOR BENDS

REVISED
DRAWN BY:

08-05-2014
AMK

400-4