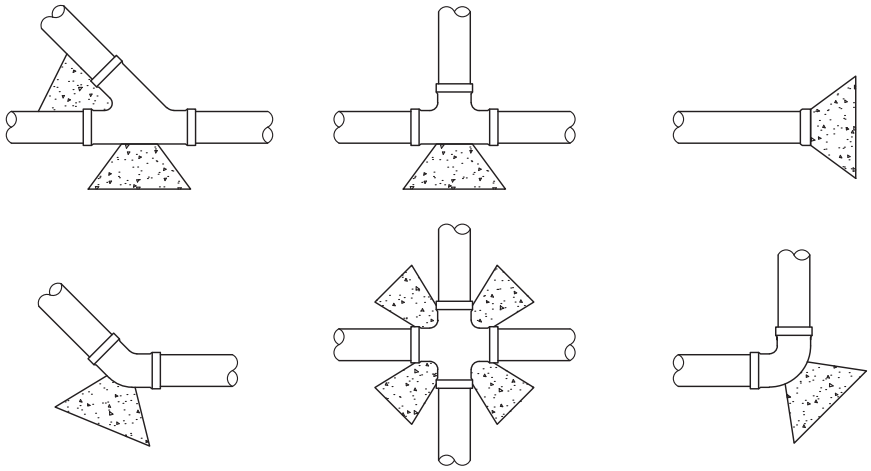


MINIMUM THRUST BLOCK SIZES										
	REQUIRED BEARING AREA (S.F.)									
PIPE DIAMETER	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
CROSS, DEAD END OR TEE	2	4	7	11	16	21	28	36	44	63
90 BEND	3	6	10	16	22	30	39	50	62	88
45 BEND	2	3	6	9	12	17	21	27	34	48
22 1/2 BEND	1	2	3	5	7	9	14	17	17	25
NOTE: ALL THRUST BLOCKS A MINIMUM OF 12" THICK AND MUST BEAR AGAINST UNDISTURBED SOIL.										

8/21/2019 1:38:00 PM

THRUST BLOCKS		CITY ENGINEER APPROVED: BLO	DATE: 08.23.19
SECTION No. 330509.33	DRAWING No. 1	PUBLIC WORKS APPROVED: RAS	DATE: 08.23.19
CITY OF KINDRED ENGINEERING		CITY COUNCIL APPROVED DATE: 07.17.19	

FILE LOCATION: L:\BLOCKS\DETAILS\Kindred Standard Details\Kindred Details.dwg