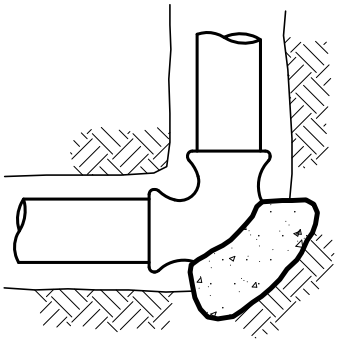
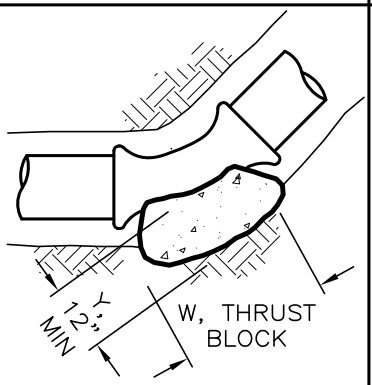
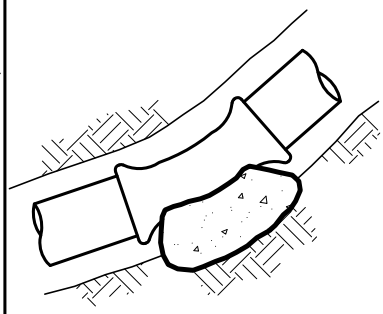
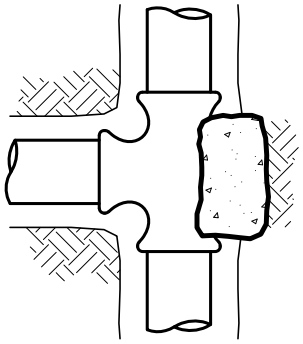
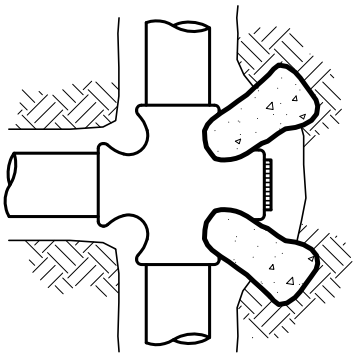
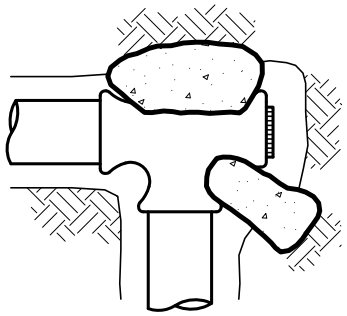
Type of Fitting	90° Bend	45° Bend	11.25° or 22.5° Bend
Typical Installation			
Type of Fitting	**Tee or Dead End**	**Cross w/Plug**	**Tee w/Plug**
Typical Installation			

Minimum Thrust Block Bearing Area – Square Feet (Y x W)

Type of Fitting		90° Bend, Cross w/Plug or Tee w/Plug	45° Bend	11.25° or 22.5° Bend	Tee or Dead End
Size of Pipe	4"	2	1	1	2
	6"	5	3	2	4
	8"	8	5	3	6
	10"	13	7	4	9
	12"	18	10	5	13
	14"	25	13	7	17
	16"	32	17	9	23

NOTES:

1. CONCRETE FOR THRUST BLOCKS SHALL CONFORM TO SECTION 337.10 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
2. THRUST BLOCKS SHALL BE PLACED AGAINST UNDISTURBED SOIL.
3. JOINTS AND FACE OF PLUGS SHALL BE KEPT CLEAR OF CONCRETE.
4. THRUST BLOCK BEARING AREAS ARE FOR A 160 PSI TEST PRESSURE WITH 2000 PSF BEARING CAPACITY, NOMINAL PIPE DIAMETER, AND A FACTOR OF SAFETY OF 1.5 INSTALLATIONS USING DIFFERENT TEST PRESSURES, AND/OR SOIL TYPES SHALL BE ADJUSTED BY THE DESIGN ENGINEER.
5. ALL JOINTS SHALL BE POLYWRAPPED (VIRGIN POLYETHYLENE, 8 MILS THICK).

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION: DOUGLAS COUNTY
			THRUST BLOCKS	DATE: JULY 2017
				DWG: B12