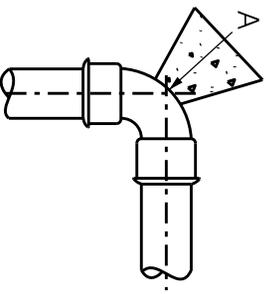


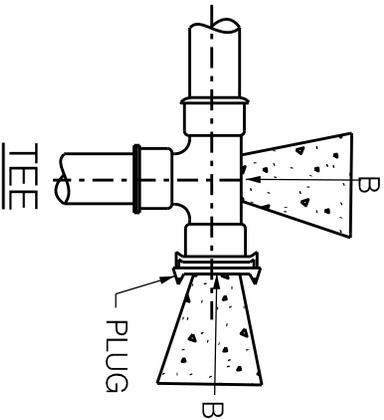
PIPE SIZE (IN.)	MINIMUM BEARING AREA AGAINST UNDISTURBED SOIL (SQ. FT.)					
	A	B	C	D	E	F
4	2	2	1	1	1	2
6	4	3	3	1	1	3
8	8	5	4	2	1	5
10	12	8	6	3	2	8
12	16	12	9	5	2	12
14	22	15	12	6	3	15
16	29	20	16	8	4	20
18	36	25	20	10	5	25
20	44	32	24	12	6	32
24	64	45	35	18	9	45
30	100	71	54	28	14	71

- NOTES:
- THRUST IS BASED ON A WORKING PRESSURE OF 150 PSI.
  - BEARING AREA IS BASED ON A SAFE SOIL BEARING LOAD OF 1500 PSF.
  - BLOCKING SHALL BEAR AGAINST FITTINGS ONLY AND SHALL BE CLEAR OF THE JOINT.
  - MEGA LUGS (OR APPROVED EQUAL) ARE REQUIRED ON ALL M.J. FITTINGS.

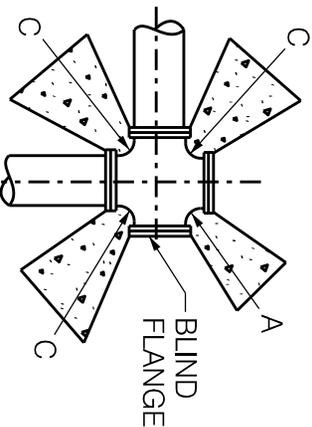
NOTE:  
DETAIL SUBJECT TO CHANGE PER DIRECTION  
OF CITY OF LEWISVILLE ENGINEERING DIVISION



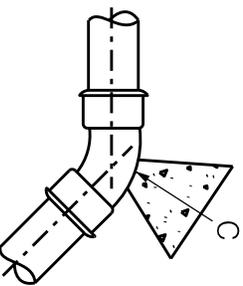
90° BEND



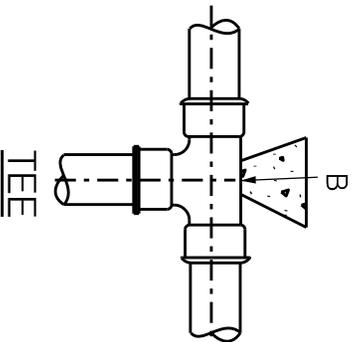
TEE



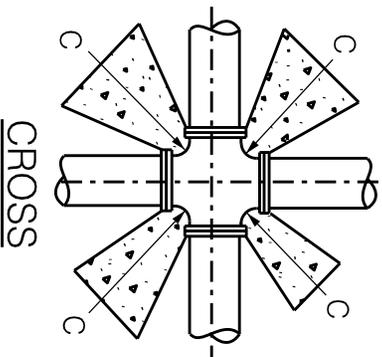
CAPPED CROSS



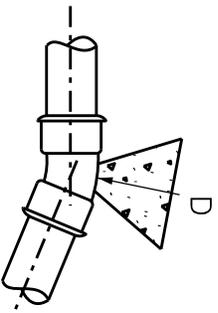
45° BEND



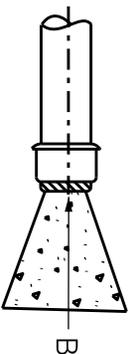
TEE



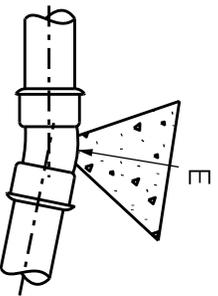
CROSS



22 1/2° BEND



PLUG



1 1/4° BEND

HORIZONTAL THRUST  
BLOCKING

FORM MATERIAL REQUIRED FOR POURING  
AND BLOCKING AT FITTINGS AND BENDS  
OR FOR BLOCKING AT FIRE HYDRANT.



**LEWISVILLE**  
Deep Roots. Broad Wings. Bright Future.

Standard Details  
Horizontal Thrust  
Blocking

Revisions:

No.	Description	Date

Engineering  
Department

Office No. 972-219-3490

www.cityoflewisville.com

Dated: 8-13-07

Dated: 10-14-2019

Sheet:

8.14