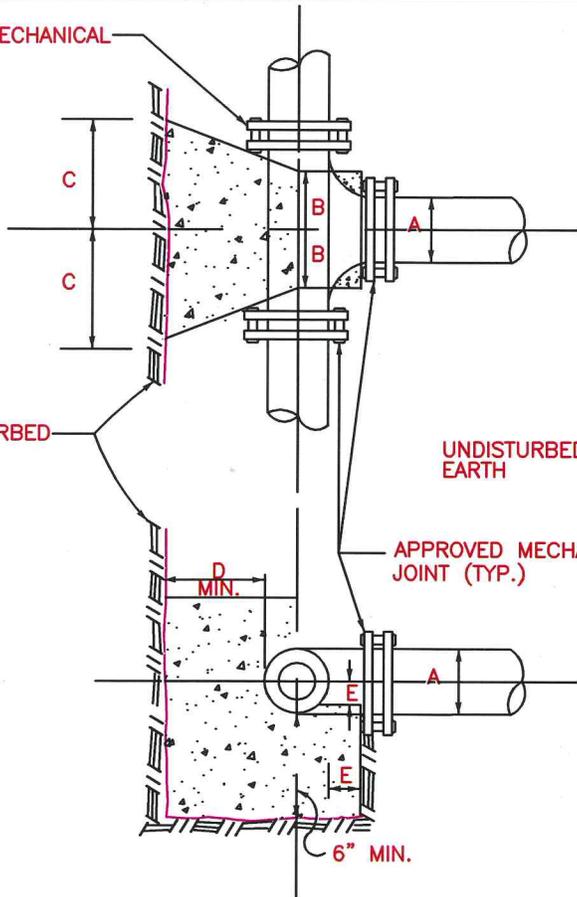


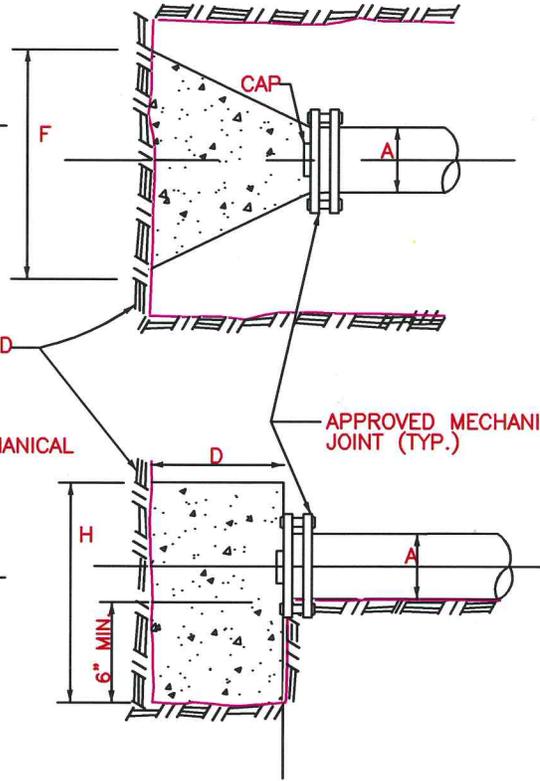
APPROVED MECHANICAL JOINT (TYP.)

UNDISTURBED EARTH



UNDISTURBED EARTH

APPROVED MECHANICAL JOINT (TYP.)



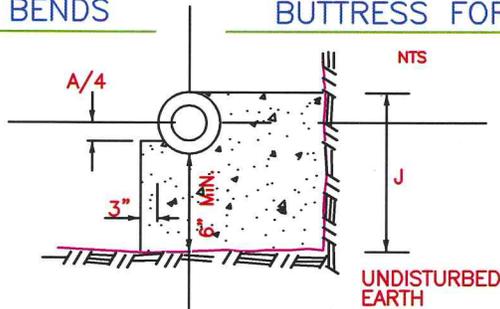
APPROVED MECHANICAL JOINT (TYP.)

BUTTRESS FOR TEES AND 45° AND 90° BENDS

BUTTRESS FOR CAPS

NTS

NTS



FOR ALL BENDS 45° OR LESS

BUTTRESS FOR HORIZONTAL AND VERTICAL BENDS

NTS

GENERAL NOTES:

1. ALL CONCRETE TO BE CLASS "B"
2. CARRY CONCRETE BUTTRESS TO UNDISTURBED EARTH.
3. BUTTRESS DIMENSIONS SHOWN ARE MINIMUM. DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 3000 P.S.F. AND STATIC WATER PRESSURE OF 150 P.S.I. WHERE WATER PRESSURE EXCEEDS 150 P.S.I. AND/OR WHERE SOIL BEARING PRESSURE IS LESS THAN 3000 P.S.F. SPECIAL BUTTRESS DESIGN IS REQUIRED.

MINIMUM BUTTRESS DIMENSIONS						
A	PIPE SIZE	6"	8"	10"	12"	16"
C		7"	9"	13"	15"	25"
D		10"	10"	10"	12"	14"
E		1.5"	2.0"	2.5"	3.0"	4.0"
F		15"	21"	30"	36"	54"
H		16"	18"	20"	22"	26"
J		10"	12"	14"	16"	20"



The Town of Mount Airy, Maryland

APPROVED

BUTTRESS
DETAILS

By:
MDH

Date

7/21/10

Standard Detail
No.

W-04