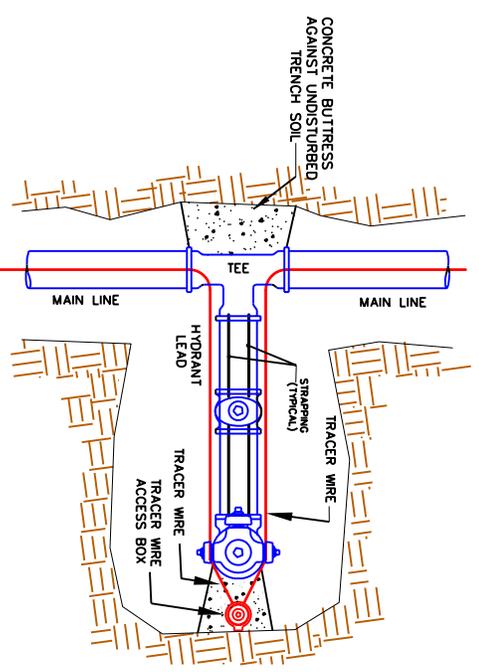
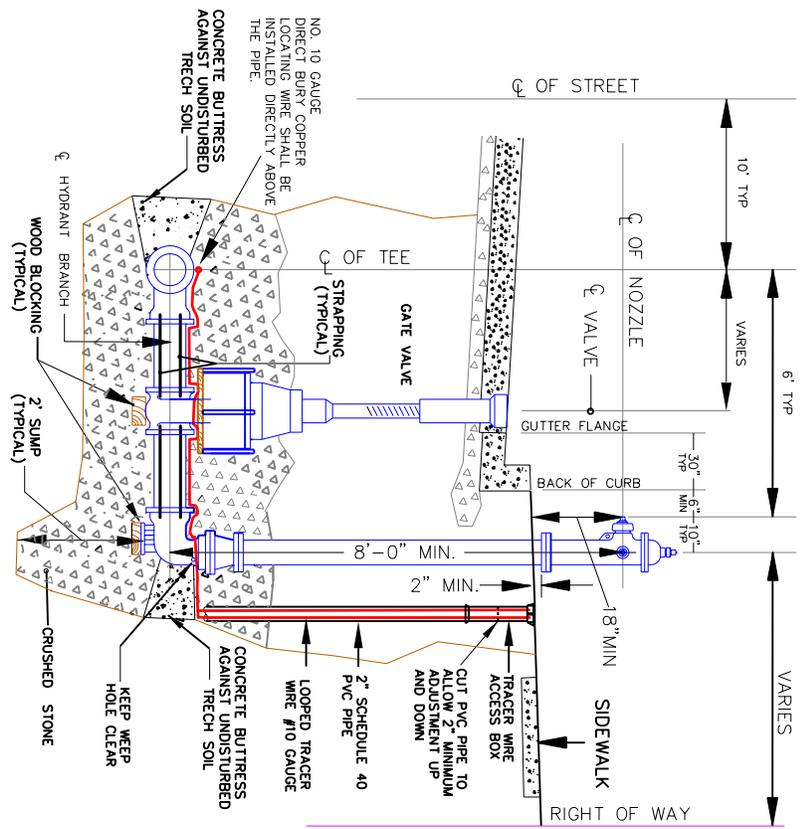
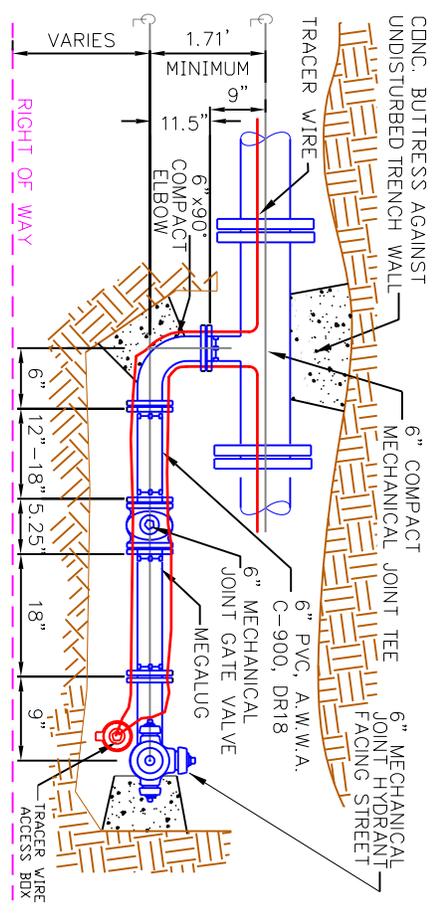


TYPICAL HYDRANT SETTING



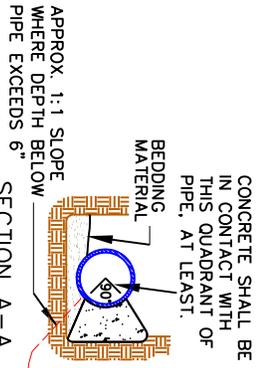
ALTERNATE TIGHT SITE HYDRANT SETTING



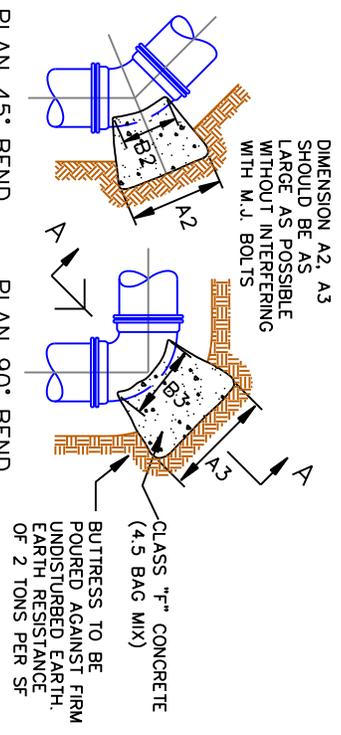
NOTES:

1. INSTALL PER STANDARD SPECIFICATIONS FOR SEWER AND WATER IN WISCONSIN UNLESS OTHERWISE DIRECTED BY THE VILLAGE ENGINEER
2. STRAP HYDRANT TO VALVE & STRAP VALVE TO TEE, USE 3/4" STRAPS, (BARS) OR MEGALUG RESTRAINING GLANDS ON ALL MECHANICAL JOINTS, THE BOLTS & NUTS ARE TO BE HIGH STRENGTH LOW ALLOY STEEL (CORTEN) AS PER SECTION 11.6.5 OF A.W.W.A. C-111.
3. ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED AND SEALED IN POLYETHYLENE

BUTRESS SIZES



SECTION A-A PLAN 45° BEND



PLAN 90° BEND

PIPE SIZE	22 1/2" BENDS	45° BENDS	90° BENDS
6"	1'-0"	1'-0"	1'-2"
8"	1'-0"	1'-2"	1'-6"
12"	1'-4"	1'-10"	2'-3"
16"	1'-10"	2'-6"	2'-10"
20"	2'-4"	3'-3"	3'-4"
24"	2'-10"	4'-0"	3'-10"
30"	3'-6"	5'-4"	4'-8"

BUTRESS DIMENSIONS (150PSI)



Village of Whitefish Bay Engineering
 5300 N Mariborough Drive
 414-962-6690
 HYDRANT INSTALLATION
 Scale = None
 REV-JUN06
 Sheet 1 of 1
 DETAIL-11