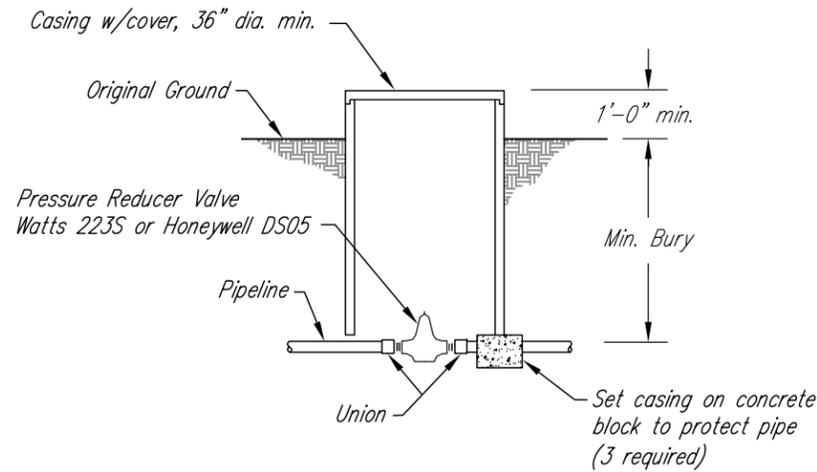
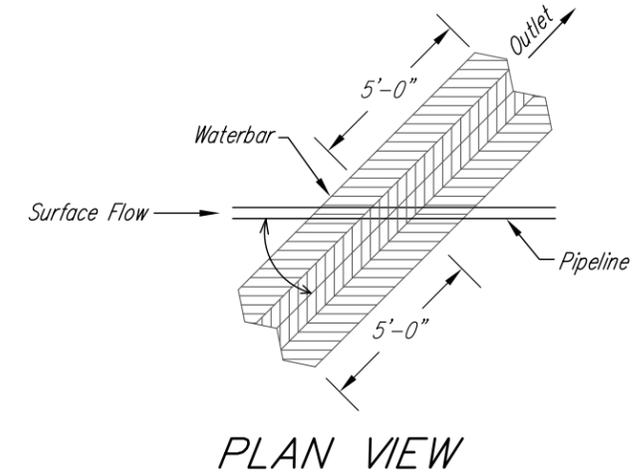


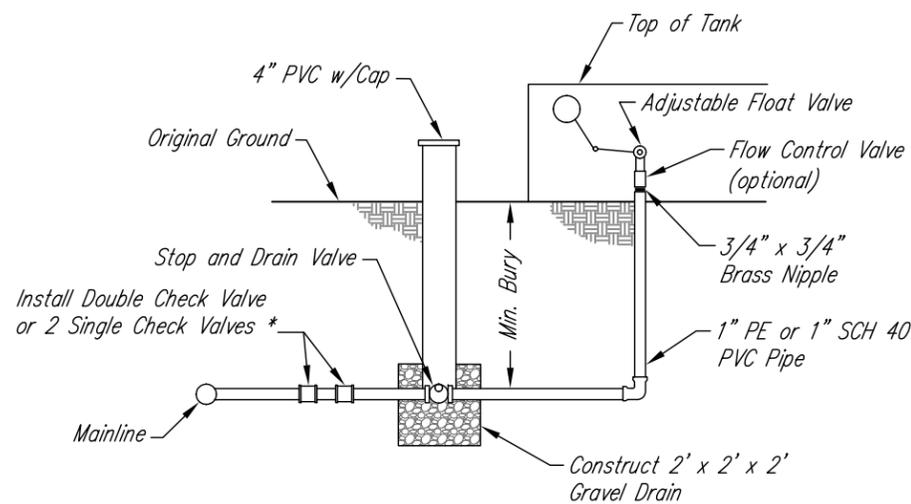
TYPICAL DRAIN INSTALLATION FOR SHALLOW BURY PIPELINES



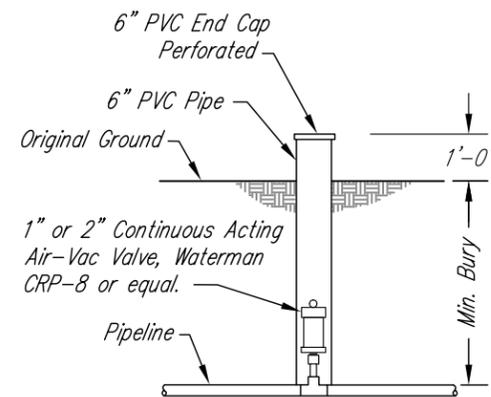
TYPICAL PRESSURE REDUCER INSTALLATION



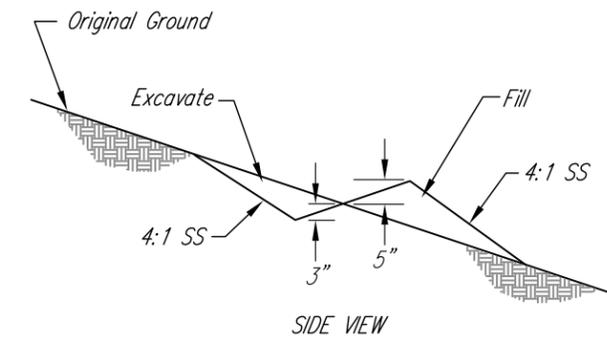
PLAN VIEW



TYPICAL STOP AND DRAIN INSTALLATION

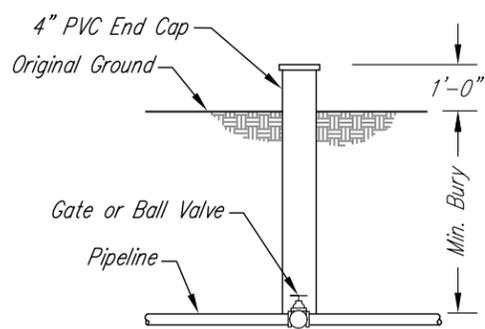


TYPICAL AIR-VAC VALVE INSTALLATION (IN RISER)

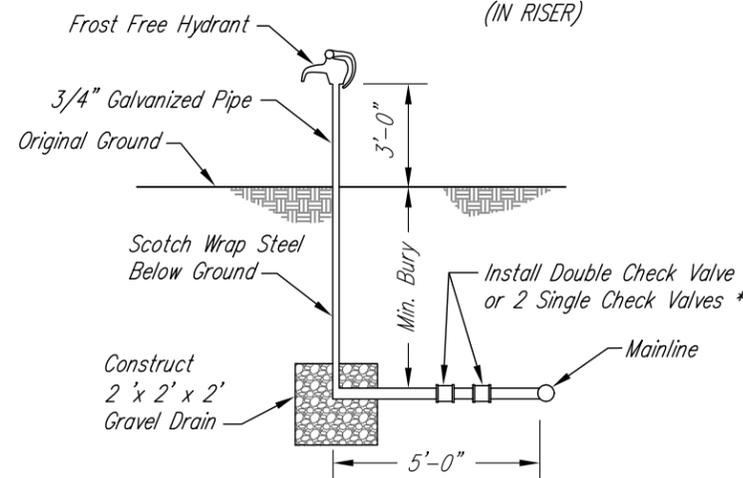


SIDE VIEW

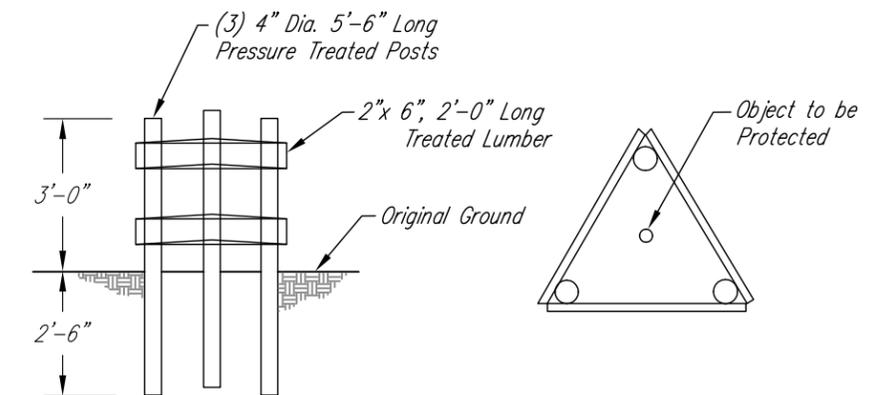
TYPICAL WATERBAR INSTALLATION



TYPICAL GATE or BALL VALVE INSTALLATION (IN RISER)



TYPICAL HYDRANT INSTALLATION



TYPICAL GUARD POST INSTALLATION (Use to Protect Above Ground Appurtenances from Livestock)

MATERIAL LIST	
ITEM	QUANTITY
4" dia. 5'-6" Long Pressure Treated Posts	3
2" x 6" x 2'-0" Pressure Treated Lumber	6
3/8" Dia. 4" Long Lag Screws or #16 Ring Shank Nails	24

MICHIGAN ENGINEERING STANDARD DRAWING
 FILE NAME MI-807-B 12-10.dwg
 STANDARD DWG. NO. MI-807-B
 DATE 12-10 SHEET 1 OF 1

Dimensions in inches or feet-inches

Adapted from NRCS South Dakota Standard Drawing 12B

* Required if Mainline Serves Household or Other Potable Use.

NOT TO SCALE

Date _____
 Designed _____
 Drawn _____
 Checked _____
 Approved _____

PIPELINE APPURTENANCES

Co., Michigan
 Township, T. -R., Sec.



File Name _____
 Drawing Name _____
 Sheet _____ of _____