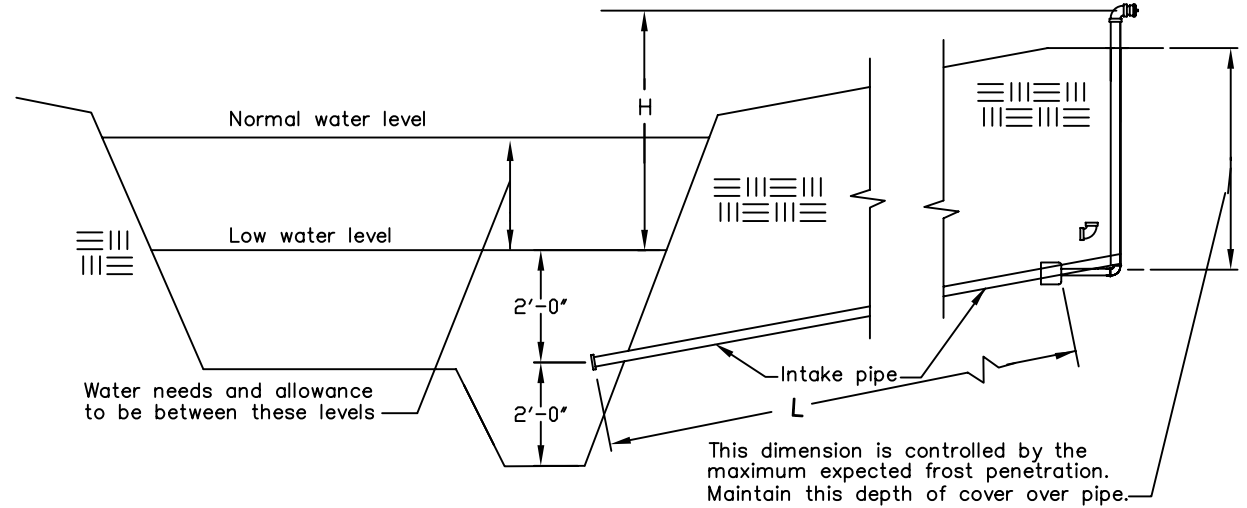
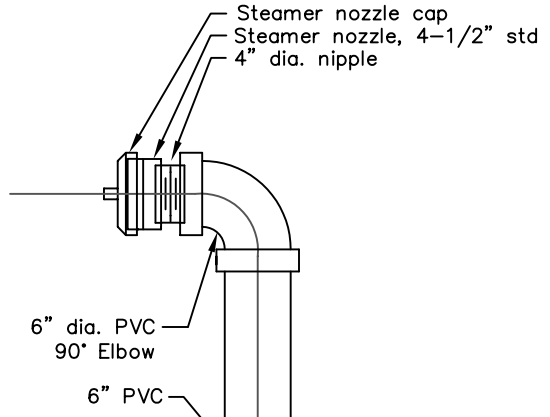
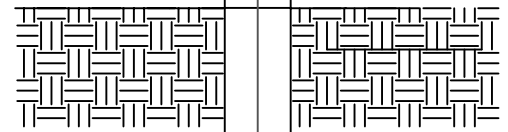


ALTERNATE INTAKE CONFIGURATION

Note:
If pump elevation is higher than steamer nozzle, measure H from pump elevation.



SECTION THROUGH INSTALLATION



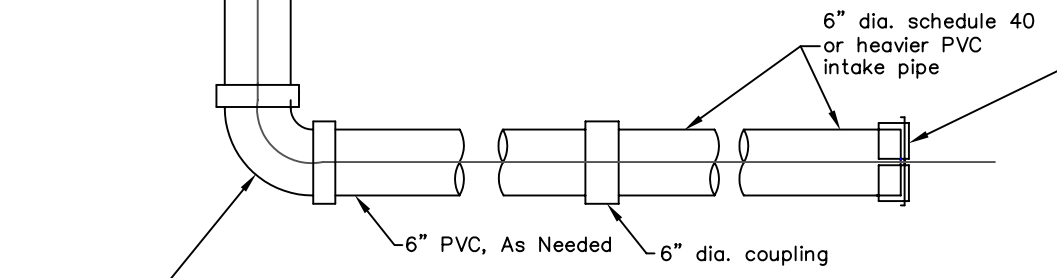
CALCULATING REQUIRED LIFT

TOTAL REQUIRED LIFT = HEAD LOSS IN HYDRANT FITTINGS AND GUARD + HEAD LOSS IN INTAKE PIPE (n=0.012) + STATIC LIFT (H)

USING 500 GALLONS/MIN.

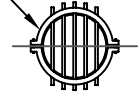
TOTAL REQUIRED LIFT = 6.9' + $\frac{L \times 3.3'}{100}$ + H = 6.9' + _____ + _____ = _____

NOTE: TOTAL REQUIRED LIFT VALUE NOT TO EXCEED 20 FT.



CROSS SECTION OF HYDRANT INSTALLATION

Trash guard, galvanized collar with 2 bolts and 5 rods, 1/8" dia. or as otherwise approved by NRCS technician.



END VIEW

DRY HYDRANT DETAILS

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			
Designed _____	Date _____	Approved By _____	Title _____
Drawn _____		Title _____	
Traced _____		SHEET No. _____	Drawing No. _____
Checked _____		of _____	Hydrant.DVG

MICHIGAN ENGINEERING STANDARD DRAWING	
APPROVED BY _____	DATE _____
DRAWING NO. _____	SHEET OF _____