DRY FIRE HYDRANT - DETAILS

NOTE: If Pump Is Higher Than Steamer
Nozzle, Measure H From Pump Level.

Marker Post
And Sign

Normal Water
Level

$H =$

Low Water
Level

1.5'

1.5'

Water Needs Allowance To
Be Between These Levels

$L =$

PROFILE OF INSTALLATION
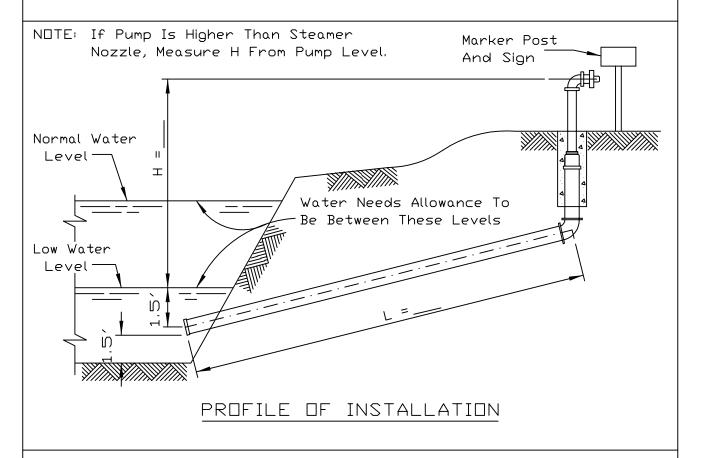
CALCULATING REQUIRED LIFT

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

USING 500 GALLONS/MIN.
 TOTAL REQUIRED LIFT = 7.6' + $\frac{L \times HL}{100}$ + H = 7.6' + ____ + ____ = ____

USING 250 GALLONS/MIN.
 TOTAL REQUIRED LIFT = 1.9' + $\frac{L \times HL}{100}$ + H = 1.9' + ____ + ____ = ____

ILLINOIS	
Altitude (Feet)	Allowable Lift (Feet)
300	22.7
1,000	22.0
1,300	21.8

HEAD LOSS IN FEET (HL)		
Gallons Per Minute	Plastic Pipe	Smooth Steel Pipe
500	2.3	5.3
250	0.6	1.3

NOTE: Total required lift value not to exceed value obtained from table
        of allowable lifts (above).