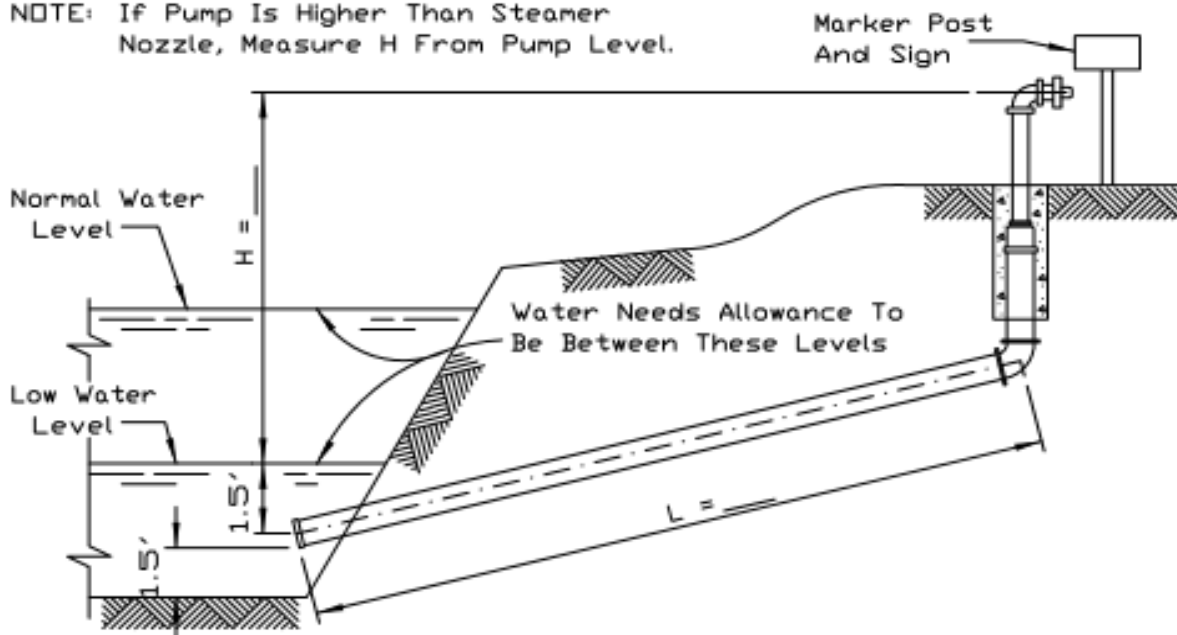


DRY FIRE HYDRANT - DETAILS

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



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.

$$\text{TOTAL REQUIRED LIFT} = 7.6' + \frac{L \times \text{HL}}{100} + H = 7.6' + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

USING 250 GALLONS/MIN.

$$\text{TOTAL REQUIRED LIFT} = 1.9' + \frac{L \times \text{HL}}{100} + H = 1.9' + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

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).

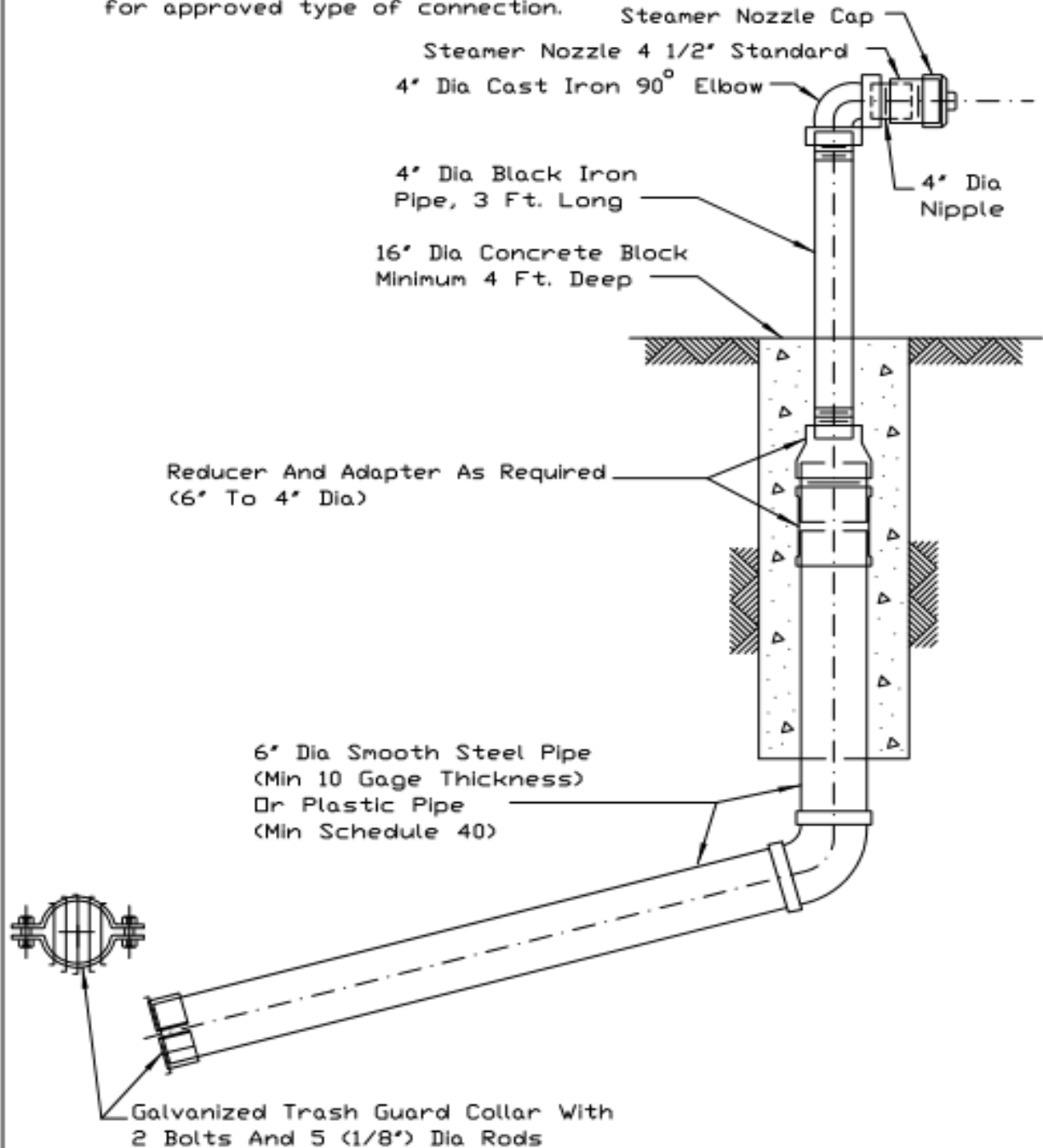
REFERENCE
 Project _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____



NRCS
 Natural Resources Conservation Service

STANDARD DWG. NO.
 IL-120
 SHEET 1 OF 2
 DATE 9-29-94

NOTE: Check with local Fire Department
for approved type of connection.



DETAIL OF HYDRANT

REFERENCE
Project _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____



NRCS

Natural Resources Conservation Service

STANDARD DWG. NO.
IL-120
SHEET 2 OF 2
DATE 9-29-94