NOTES:
1. **STANDARDIZED DESIGN**: MUST BE ADAPTED TO THE SPECIFIC SITE.
2. THE DESIGN FOLDER IS FILED IN THE SCS STATE OFFICE, 4601 HAMMERSLEY ROAD,
   MADISON, WISCONSIN 53711.
3. ADJUST THE BLACK IRON PIPE FITTINGS TO OBTAIN THE REQUIRED SLOPE. IF THE SLOPE
   IS FLAT, THE PIPE FITTINGS ARE NOT REQUIRED.
4. FLEXIBLE PLASTIC REDUCER COUPLING 6" TO 4" WITH STAINLESS STEEL CLAMP BAND SHALL
   BE SIMILAR OR EQUAL TO FERNCO COUPLING, FERNCO JOINT SEALER COMPANY, FERNDALE, MI.

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STEAMER NOZZLE CAP
STEAMER NOZZLE 4-1/2" STD.

4" CAST IRON 90° ELBOW

4-1/4" NIPPLE

GROUND LINE

16" DIA. CONCRETE BLOCK

FLEXIBLE REDUCER, SCHEDULE 40
6" TO 4"

4" CAST IRON 90° ELBOW

4" CAST IRON 90° ELBOW

BLACK IRON PIPE 4" DIA.

6" DIA. Schedule 40 OR
HEAVIER PVC INTAKE PIPE

6" DIA. HEAVIER PVC INTAKE PIPE

BLACK IRON PIPE 4" DIA.

BLACK IRON NIPPLE

4" DIA. 6" LONG

FLEXIBLE REDUCER SCHEDULE 40
6" TO 4"

FLEXIBLE REDUCER SCHEDULE 40
6" TO 4"

FLEXIBLE REDUCER SCHEDULE 40
6" TO 4"

BLACK IRON PIPE 4" DIA.

4" DIA. 1-0" LONG

6" DIA. BLACK IRON NIPPLE

4" DIA. 1-0" LONG

CONCRETE BLOCK

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PLAN VIEW

ELEVATION

END VIEW

DETAILS OF HYDRANT

SECTION THROUGH INSTALLATION

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DETAILS OF DRY FIRE HYDRANT

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CALCULATING REQUIRED LIFT:

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

USING 500 GALLONS/MINUTE

TOTAL REQUIRED LIFT = 6.9 + \( \frac{L \times 3.33}{100} \) + H = 6.9 + _______ + _______

USING 250 GALLONS/MINUTE

TOTAL REQUIRED LIFT = 1.7 + \( \frac{L \times 0.84}{100} \) + H = 1.7 + _______ + _______

NOTE: TOTAL REQUIRED LIFT VALUE NOT TO EXCEED 21 FEET.