

Gravity Discharge Fire Cistern Feeding A City Style Cast Iron Fire Hydrant

Appurtenances

- A. Red/green level indicator with combination 8 inch vent.
- B. 30" diameter manway with bolted cover and 4" locking inspection hatch.
- C. 2-1/2" NST-FS clappered siamese for refill or recirculation.
- D. Flexible coupling at overflow and discharge fittings.
- E. Cast iron dry barrel city style fire hydrant.
- F. Pipe bollards in concrete.
- G. Retaining wall or terrace if needed.
- H. Concrete support at hydrant base with gravel filled drain down area.
- J. Overflow running continuously downhill to daylight with rodent guard and PVC swing check valve.

Notes

1. Tank must be buried such that no less than 50% of the water volume is located above the hydrant discharge to facilitate initial priming.
2. City style iron hydrants must be opened fully when in use.
3. Locate cisterns perpendicular to the road when possible.
4. Insulate above tank with 2" thick rigid foundation grade foam board in extreme cold weather conditions.
5. Place stabilizing rocks around pvc riser pipes.
6. Select a hydrant with the largest possible valve diameter for maximum flow.
7. Paint all exposed PVC piping for UV protection.
8. Anchoring is not necessary if the tank is located in an area with no potential for groundwater accumulation.

