

**SECTION 02236  
AUTO FLUSHERS**

Auto Flushers shall be installed on all dead end City of Valparaiso water mains at the direction of Valparaiso City Utilities (VCU) Water Department. The cost and installation of the auto flushing units shall be the sole responsibility of the Developer and incorporated into the design plans by the Developer's engineer. Approved auto flushing units shall become part of the Valparaiso water distribution system and will be operated and maintained by the VCU upon acceptance of the project.

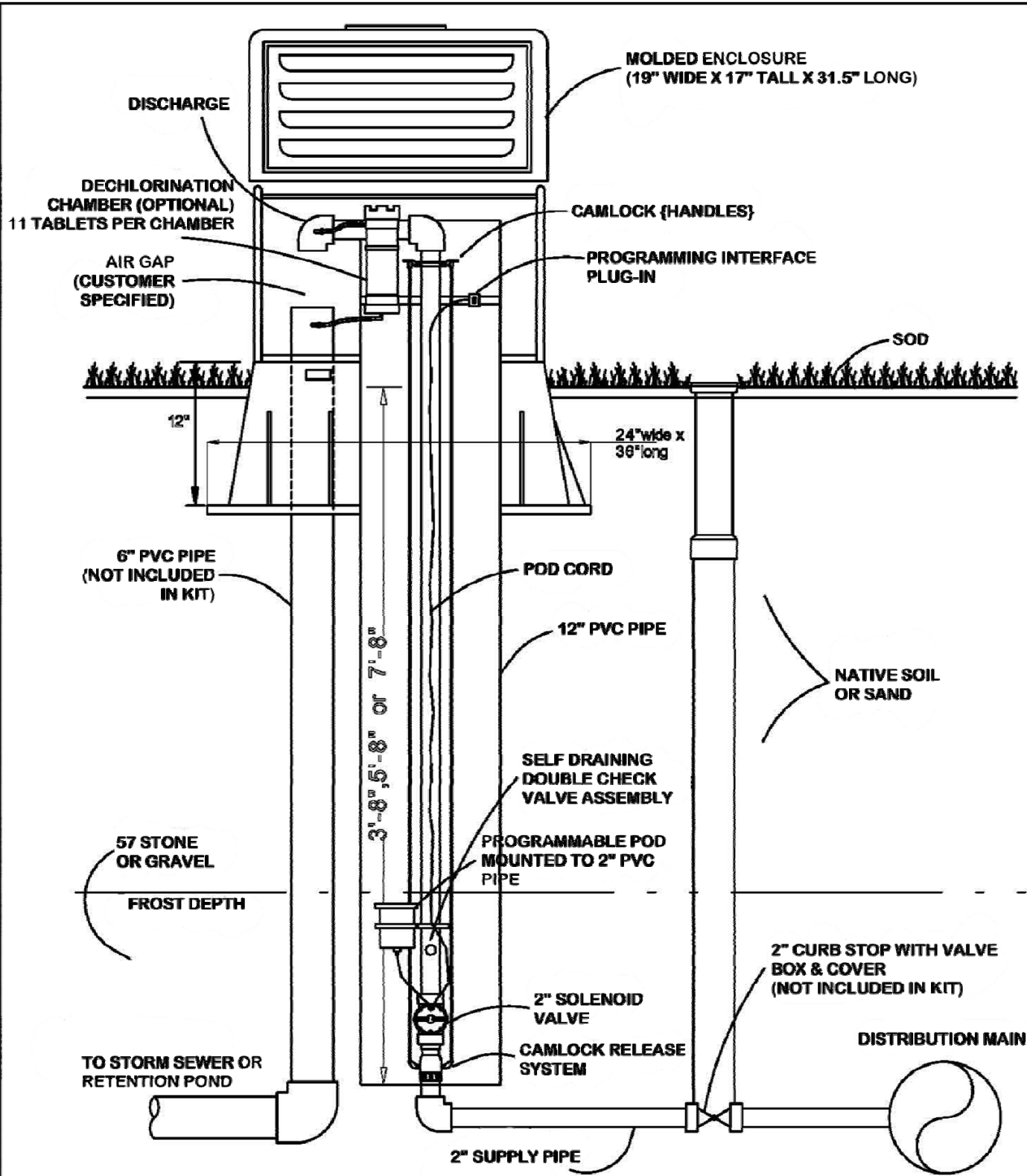
Each automatic flushing device shall be of free-standing design, self draining, non-freezing and all above ground components shall be contained within a low profile weather resistant locking cover similar in appearance to other utility boxes. Each automatic flushing device shall utilize a 2" connection and provide a 2" solenoid valve with a stand-alone valve controller that has a minimum of 9 possible flushing cycles per day operating with a 9 volt battery and have sealed electrical components. Each flushing device will have an approved sampling tap for bacteriological sampling as well as provide dechlorination of the flushed water. The discharge shall maintain a minimum of a 4 inch air gap between the flushing unit and the discharge pipe.

The attached exhibit illustrates a typical installation diagram. The typical depth of bury is 5 feet so the automatic valve and drain are located below the frost depth. The automatic flusher shall be connected to the water main through a 2" supply line and a 2" curb stop with valve box and cover.

**Valparaiso City Utilities approved Manufacturers and Models**

- A. Kupferle Model 9800 Automatic flushing device with optional dechlorination basket. Kupferle Foundry Company; St. Louis, MO
  
- B. Hydro-Guard Model HG-4 Longneck Automatic Flushing System with optional sampling point and dechlorination system. (Handheld programmer is not necessary). Environmental Enhancement and Technologies HydroGuard; Naples, Florida.

END OF SECTION



**TYPICAL INSTALL**  
**HYDRO-GUARD® HG-4 STANDARD**