

Electronic Marker Locator System

(Sample Waste Water Specification)

Combination Electronic Marker & PVC Cap DuckMark 4060 GS (Gasket Seal)

General

Electronic location markers and Combination PVC cap shall consist of the combination product capable of reflecting a specifically designated pulse frequency of 121.6 kHz, unique to the waste water utility industry. Product labeling shall be color coded Green in accordance with the American Public Works Association's Utility Location and Coordinating Council Standards.

Installation

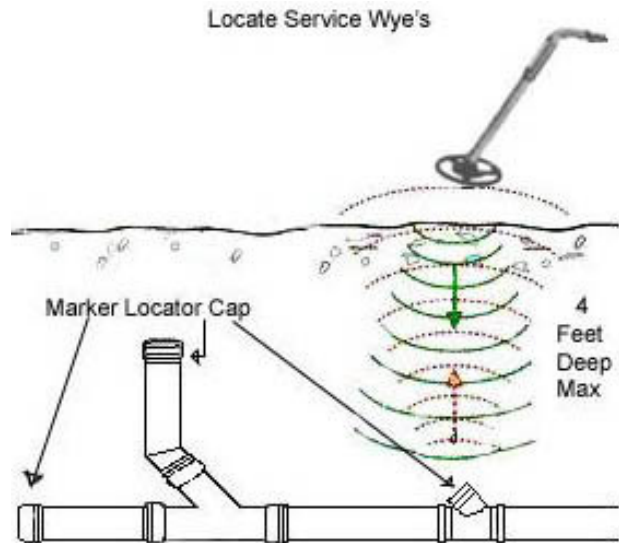
The combination PVC Cap and Electronic Marker Locator shall be installed in the vertical or horizontal position per the installation sketch (Figure A). Depth of burial shall not be greater than 4 feet, and a minimum of 6" from metal objects. When final grade is expected to exceed the 4 foot maximum burial depth, a vertical riser should be added to compensate for added fill per figure A.

Placement

The Marker Locator Cap, Combination PVC cap and Electronic Marker shall be installed at the following locations:

1. Pipe Ends
2. Service Wye's
3. Building Stubs
4. Clean-Outs
5. Plugged Tees

The Engineer shall certify in writing that the Electronic Marker Cap is in place prior to back-fill over any of the above locations. Existing Marker Locator Caps that are removed during service hook-up shall be returned to the City Yards.



Operating Principle:

- Marker Locator sends signal and listens for signal return.
- Marker receives signal and returns it to locator.
- Signal strength increases as locator gets nearer to buried marker.
- Marker range: 4 Feet
- Standard Waste Water Frequency 121.6kHz

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