



Secondary Water Meter Program

A Certified Secondary Meter (CSM) is a certified device used for measurement of the volume of water consumed or delivered for irrigation or other non-household purposes.

A CSM installation requires a building permit application submittal to the City of Marathon with a sketch or plans for the installation of the CSM with appropriate inspections by City. ***Only residential properties may be permitted to use a CSM.*** The property must have an average minimum water usage of 4,500 gallons per month.

The CSM's are used to receive reductions in wastewater charges for water use for aesthetic purposes, fountains, landscape irrigation, boat washing, and other approved applications as permissible under the Florida Administrative Code and must be approved in writing by the City.

A CSM may be purchased through the building department for \$226.00 that includes, permit, meter and meter box.

The residential Certified Secondary Meters provided by the City include:

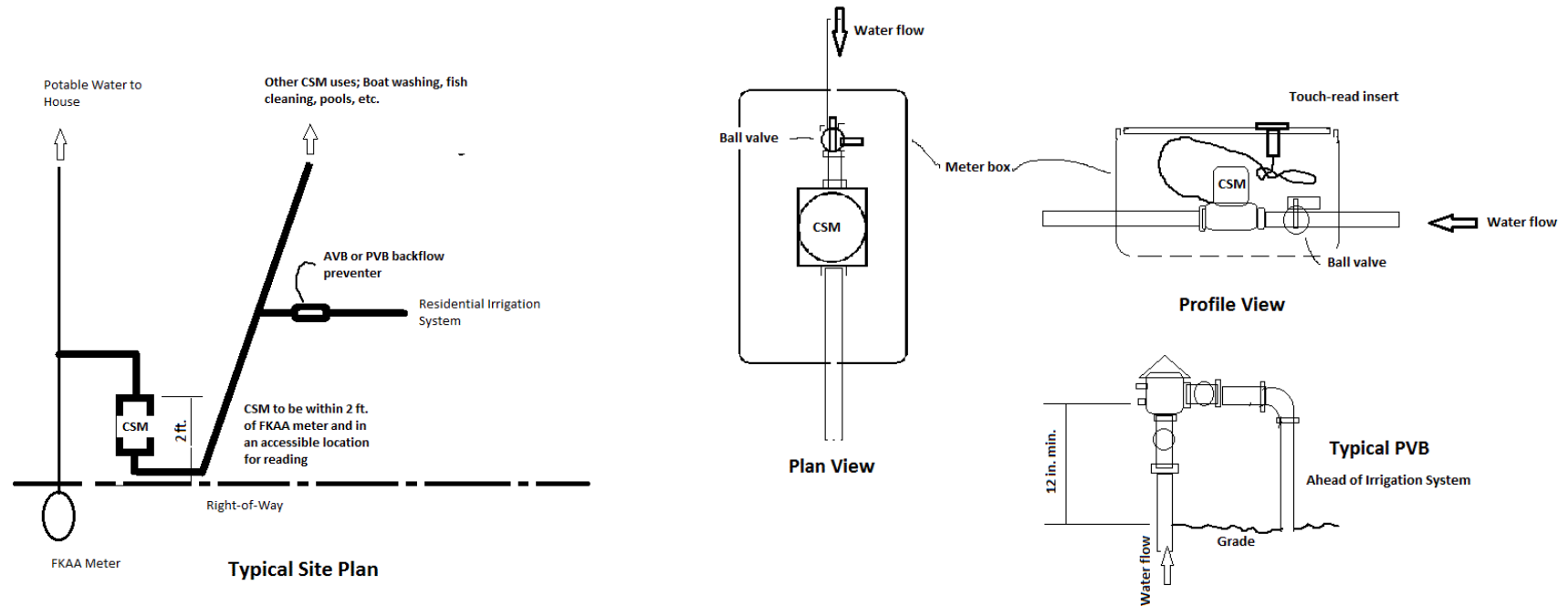
- Inspection of meter / plumbing for irrigation with the permit fee.
- A tamperproof Certified Secondary Meter that meets AWWA (American Water Works Association) C707 Standards, lead free and meets NSF 372 requirements
- Minimum quarterly meter reading

The installation requirements by the plumber or owner/builder are as follows:

- 1) The CSM must be installed within 2 ft. of the existing FKAA meter box and be in an accessible location for reading.
- 2) All new and existing hose bibs must have either a vacuum breaker or built-in anti-siphon valve.
- 3) Secondary metered plumbing must comply with the Florida Plumbing Code including the installation of a pressure vacuum breaker (PVB) or atmospheric vacuum breaker (AVB).
- 4) Installations with a 1" primary (FKAA) meter requires an RPZ back flow prevention device.
- 5) A ball valve ahead of the CSM in the meter box is required.
- 6) Meter **must be installed** in an 18" X 11" automatic reader fiberglass reinforced polymer concrete box (natural color) made by CDR Systems Group or City approved equivalent with AASHTO (*American Association of State Highway and transportation Officials*) a minimum HI10 load rating.
- 7) Water lines must be flushed following installation in accordance with Florida Plumbing Code Section 610.1.
- 8) The City will stock a limited quantity of these meter boxes (current price \$60).
- 9) The meter box lids must have a 1 ¾" or maximum 2" hole for the "touch read" insert.
- 10) Existing water meters without a back flow prevention device will be required to have one installed in the new meter box.

Certified Secondary Meter

Typical Details (not to scale)



CITY OF MARATHON UTILITIES DEPARTMENT

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