



Development Advisory – 38
Revised
~~February~~ March 6, 2018

Public Facilities Manual Update:

In response to feedback received from the development community, the City is proposing the following amended update to the Public Facilities Manual. Volume I, Chapter 10 to include requirements for proposed facilities, both public and private connecting to public water and sewer systems. Additional information is provided as guidance as to the preferred locations of utility infrastructure. New verbiage is underlined, and deleted verbiage is ~~struck out~~.

The City is party to a Consent Order issued by the State Water Control Board, signed on October 22, 2014, which requires the City to regulate and manage its sewer system and to minimize unpermitted sanitary sewer overflows.

The proposed PFM changes to Volume I, Chapter 10 Public Utilities Design are as follows:

1. Page 10-2, Section 10-0 E, to read and to add sub-sections:

E. ~~Public water~~ Water or sewer lines should not be placed underneath sidewalks, curb and gutter, driveways, or other similar obstructions. Crossings or parallel installations for a short length will be acceptable. Site conditions vary, so in design of utility improvements essential considerations are resilience, longevity, locatability, ease & cost of maintenance, and integrity of the systems. The guidelines stated below, in sub-paragraphs (E)1-3, are not intended to supersede or invalidate other Public Utilities standards, criteria, policy, specifications, regulations or City Code provisions.

1. Watermains should generally align to one side of the roadway, opposite the stormwater system. The preferred locations for water mains are (in priority order):

- a. In the green space between the sidewalk and back of curb.
- b. Under the sidewalk.
- c. In the pavement outside the wheel path, 1.5 to 2 feet from the edge of the gutter pan.

Additional guidelines for water mains:

- d. Water mains shall not jog back and forth across the road.
- e. Limit use of bends to only those necessary.
- f. Mains must be easily locatable.

2. The preferred locations for sewer mains are (in priority order):

- a. In the center of the roadway, so that manholes align with the pavement crown.
- b. In one lane of the roadway, so that manholes align at the quarter point of the travel way, out of the vehicular wheel path.
- c. In a grassed area in the right-of-way, locating manholes in areas free of inundation during stormwater and tidal events.

3. The preferred location for sanitary cleanouts, valves and water meter boxes is in a grassed area in the right-of-way. Avoid locating the structures in:

 - a. Sidewalks, where they might be a trip hazard.
 - b. Driveways & aprons, where subject to vehicular loading.
2. Page 10-3, Section 10.1, the first sentence to read: All Sanitary Sewer Facilities, both public and private connecting to a public sewer system, shall be designed in accordance with the Commonwealth of Virginia Sewage Collection & Treatment (SCAT) Regulations, and the City of Chesapeake criteria, policy, standards and specifications.
3. Page 10-6, Section 10.2, the sentence to read: All water facilities, both public and private connecting to a public water system, shall be designed in accordance with the Safe Drinking Water Act, the Virginia Department of Health (VDH) Waterworks Regulations, International Plumbing Code and City of Chesapeake criteria, policy, standards and specifications.

Should you have any questions or comments contact Ed West at 757-382-6671 or at EdWest@cityofchesapeake.net

Our time table is as follows; two (2) week comment period, incorporate any changes, effective date of PFM change will be February 21, 2018.