

# **OSD Engineering Consultants**

## **Memorandum**

**To:** David Candeias, Onset Water Department  
**From:** Sean D. Osborne, PE, Principal  
**Date:** October 18, 2021  
**Project:** Maritime Haven Review

OSD has reviewed the information provided by the proponent and their engineers:

- Maritime Haven Definitive Subdivision Plan dated August 25, 2021

The following comments are in response to this information.

### **Plans & Details**

1. Connect proposed 8" CLDI water main to Robinwood Road at intersection of Maritime Row and Robinwood Road with 8" x 8" x 8" TEE with three (3) 8" gate valves.
2. Connect proposed 8" CLDI water main to Robinwood Road via a utility easement on the southerly side of Lot 53. This second connection should be a minimum of 300 LF from the Maritime Row connection and be made with 8" x 8" x 8" TEE with three (3) 8" gate valves.
3. Because the area is subject to tidal action, OSD recommends that the proposed ductile iron pipe be encased with polyethylene. Detail and notes for wrapping proposed water main should be added to Detail Sheet.
4. OSD recommends that two hydrants be installed along the proposed water main.
  - a. One hydrant at the entrance of Maritime Row and
  - b. One hydrant at the point of curvature entering the cul de sac
5. OSD recommends that the following changes be made to the Hydrant Detail
  - a. Gate valves open LEFT
  - b. Hydrants open LEFT

In order to complete our review, including the ability to serve, OSD requests the following information

1. Average and maximum domestic water demands
2. Fire suppression requirements
3. Fire flow reports
4. Confirmation of location of second water connection to create a looped system

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