OSD Engineering Consultants

Memorandum

To: David Candeias, Onset Water Department

From: Sean D. Osborne, PE, Principal

Date: October 20, 2021

Project: Settler's Glen Plan Review

OSD has reviewed the information provided by the proponent and their engineers:
- Settler's Glen Comprehensive Permit Plan dated January 12, 2021, with an August 31, 2021 revision

The following comments are in response to this information.

Plans
Drawing 4
1. Add the following note:
   Note 9. When a water line crosses below a sewer line, the water line shall be 18" min. below the sewer line and the water line shall be encased 10' in both directions and sealed at both ends with concrete. At the crossing, the sewer line shall be constructed of class 150 pressure rated pipe.

Drawing 5
1. Notes – add "Sewer service lines shall be installed a minimum of 10' from water service lines.
2. Water Connection Detail Note 3 – gate valves open left
3. All water mains shall be 8" Class 52 Double Cement Lined Ductile Iron Pipe including the water main running next to Unit 12.
4. Add 10' (MIN.) between water and sewer lines for the following units
   a. 3
   b. 4
   c. 7
   d. 8
   e. 11
   f. 12
   g. 13 and 14
   h. 15
   i. 16
   j. 19

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Drawing 7 and Drawing 8
1. Note 2 – separation between drainage lines and water mains and water services shall be a minimum of 18"

Drawing 9
1. Hydrant Detail Note 3 – gate valves shall open LEFT
2. Hydrant Detail – Mueller hydrant shall open LEFT

In order to complete our review, including the ability to serve, we request the following information
1. Average and maximum domestic water demands
2. Fire suppression requirements
3. Fire flow report with the rated capacity at 20 psi of the tested fire hydrant
4. Irrigation water demands
5. Location of second water connection to create a looped system

OSD *Engineering Consultants*