

State of Florida



Public Service Commission

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD
TALLAHASSEE, FLORIDA 32399-0850

-M-E-M-O-R-A-N-D-U-M-

DATE: July 6, 2015
TO: Carlotta S. Stauffer, Commission Clerk, Office of Commission Clerk
FROM: Traci Matthews, Engineering Specialist, Division of Engineering *tw.v*
RE: Docket No. 140239-WS-Application for staff-assisted rate case in Polk County by Orchid Springs Development Corporation.

Please file the attached in the "Documents" tab of the above mentioned Docket File.

Thank you.

STAFF'S SECOND DATA REQUEST

May 4, 2015

1. Secondary well was shut down for two reasons:
 - a. Interconnect with the City of Winter Haven made the well unnecessary as a back up
 - b. The cost to comply with consent order from the Polk County Department of Health with compliance date of April 30, 2009, were cost prohibitive and included the following items:
 - i. Replacement of the 10,000 gallon hydro pneumatic tank
 - ii. Replacement of the well due to sand infiltration
 - iii. Day to day operations (chemicals, electric & labor)
 - iv. Installation of generators for back-up power
 - v. Installation of alarms and telemetry

2. We spent \$5,582.00, on purchased water in 2013. **See attached invoices.**

The interconnect is opened whenever maintenance is required at the water plant for the well pump, the hydropneumatic tank and/or the pump for the sodium hypochloride solution.

3. The interconnect is located along Overlook Drive approximately 150' west of the Orchid Springs pump house. **We tied our 8" water main into the City of Winter Haven's existing 10" water main.** There is a valve that requires manual operation to open the interconnect. Once opened, the interconnect is monitored by the City of Winter Haven.
4. The City of Winter Haven owns this meter and is responsible for monitoring and testing for accuracy.
5. During an internal audit of the water and wastewater system and financial statements, we found that the Duke Energy account no. 33943 56661, which was annotated as a lift station on the bill, did not correlate to any asset of Orchid Springs Development Corp., Water & Sewer (OSDC W&S). The homeowners' association was notified that this account would no longer be maintained by OSDC W&S and the company discontinued service with Duke Energy at this meter in October, 2014.
6. **General ledger info** **TESTING**
7. **General ledger info**
8. The amounts of water pumped, as reported on the 2014 Annual Report, were based on monthly readings at the meter by OSDC W&S personnel. These readings are done on or about the 15th of each month. The Monthly Operating

Reports are filed by the City of Winter Haven and are based on readings done on or about the 30th of each month.

9. We do not know why the City of Winter Haven makes a notation on the Monthly Operating Report other than to indicate that the City does not own the water plant.
10. During calendar year 2014, there was a large underground leak that was undetected for several months. Many attempts were made to locate the source of what appeared to be a leak in the main water line but it was determined by the City of Winter Haven that the water was untreated water coming from a natural source. The line blew out on July 16, 2014, and was repaired over the course of one day. We believe that much of the 7,255,000 gallons listed for flushing was actually water loss for other reasons.
11. Who submitted the maps? **MAPS**
12. Who submitted the maps?
13. The City of Winter Haven is responsible for all testing and inspection reports (sanitary surveys) for the wastewater from Orchid Springs.
14. The wastewater billing amounts from the City of Winter Haven are determined by monthly reading of a lift station flow meter.
15. The Orchid Springs wastewater system is interconnected with the City of Winter Haven by way of the main lift station located on the east side Las Flores just north of Island Way. Wastewater is pumped from the main lift station to the City's wastewater collection system via a 6" force main.
16. The City of Winter Haven owns this meter and is responsible for monitoring and testing for accuracy. The last testing date was December 18, 2014.
17. See attached contract with the City of Winter Haven.

Terri Jones

From: Traci Matthews
Sent: Monday, July 06, 2015 9:12 AM
To: Terri Jones
Subject: FW: Follow Up Questions

Hi Terri. Please have the attached email placed in the docket file for Docket No. 140239.

Thanks.

Traci

From: Carol Rhinehart [mailto:carol@cassidyhomes.com]
Sent: Thursday, July 02, 2015 4:21 PM
To: Traci Matthews
Cc: Steve Cassidy; Mike Cassidy
Subject: Follow Up Questions

Traci,

We wanted to get you an answer for as much as we could get to you today. Our answers are in red.

1. The invoice from Orange Industrial Services, Inc. dated March 9, 2015, shows charges for a video inspection of sewer lines. Please provide a general description of the location(s) of the lines, including the sizes and lengths of lines inspected.

95% of the main sewer lines throughout the entire property were inspected by video.

4" lines = 8,040 lf

6" lines = 6,020 lf

8" lines = 7,220 lf

2. The other three (3) invoices from Orange Industrial show charges for "vacuum rodder w/ crew" including \$7,995 on February 17, \$1,640 on March 4, and \$820 on March 9. Please provide detailed information regarding the work that was done and the locations of the work.

The video inspections of the sewer lines require the lines to be cleaned out by the vacuum rodder with crew before a camera can be utilized.

3. The estimates from Ten Brink Underground, Inc. show estimated charges for replacing 130 feet of clay sewer line with PVC (dated May 21), and rebuilding a manhole (dated June 1). Please state whether these projects were anticipated as a result of the video inspection by Orange Industrial. In other words, did the video inspection reveal problems that led to the work being planned?

The video inspection showed a lot of water intrusion due to breaks in the pipe requiring replacement of 130' of clay pipe. The manhole deficiencies were determined by an onsite inspection.

4. Please describe the locations in the system of the 130 feet of sewer line to be replaced, and the manhole to be rebuilt.

The 130' of sewer line to be replaced is between the Bay condominium building and Amy's Card Shop. This on the south end of the property and is located between manhole #4 and manhole #7A.

5. When is the work to replace the clay sewer line and rebuild the manhole scheduled to take place?

The clay sewer line between manholes #4 and #7A, and manhole #13 must be replaced ASAP but we must wait for SARC approval before requesting funding for the project.

6. The estimate for replacing the sewer line identifies additional work that must be provided by the owner, including sod, tree removal, and other items. Also, since this work appears to require the removal of 100 feet of roadway, the road would presumably need to be replaced. Please explain the utility's plans to provide the additional work. Have any estimates for those portions of the project been obtained? If so, please provide copies.

We are waiting for return estimates to repair road, re-sod and tree removal from various vendors. We should be able to supply these to you within two weeks.

7. The estimate for rebuilding the manhole states that the owner needs to keep the lift station pumped down to the bottom for the duration of the work. Please explain the utility's plans to accomplish that work, and provide copies of any estimates obtained.

We requested Ten Brink to modify their estimate to include this work and will send a copy to you next week.

8. Does the utility anticipate any future work to replace other clay sewer lines with PVC? If so, please state the approximate future date(s) that any such work is planned.

Yes. We are beginning to formulate a phased capital improvement plan for the water and wastewater collection systems. We hope to have a plan within the next several months.

9. Six (6) invoices from Dennis Wood Engineering were provided showing charges for "Project Manager," "CADD," "Professional Engineer," and other items from December 5, 2014 to May 10, 2015. Each invoice includes a notation at the bottom stating "Orchid Springs Sewer Issue." Please explain in detail the "sewer issue" or project(s) for which this work was required, and a detailed description of the work that was done.

The work with Dennis Wood Engineering is part of formulating the capital improvement plan for the wastewater collection system. In order to have a comprehensive plan we have to identify deficiencies in the system. Dennis Wood would be the project manager for this work. We have asked Dennis to itemize these invoices and will forward to you next week.

Please let me know if you require additional information.

Carol Cassidy Rhinehart

346 E. Central Avenue
Winter Haven, FL 33880

863/324-3698 ext. 236

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