

North Peninsula Utilities Corp.

DOCKET NO. 140050-SU

Ormond Beach, FL 32175
386-677-7607 phone
386-677-8146 fax
developershw@gmail.com

February 21, 2014

Office of Commission Clerk
Florida Public Service Commission
2540 Shumard Oaks Boulevard
Tallahassee, FL 32399-0850

RECEIVED-FPSC
14 MAR 10 AM 9:33
COMMISSION
CLERK

RE: North Peninsula Utilities Corp. (NPUC)
Application for Wastewater
1.) Expansion of Certificate
2.) New Wastewater Line Extension Charge (CIAC)

Dear Commission Clerk,

NPUC is the only FPSC certified wastewater utility in the North Peninsula area of Volusia County. There are three (3) existing ocean side small package plants that serve the area and several commercial and residential septic tanks, as well as three (3) multi-units sites which have not built due to the lack of central sewer.

Many entities have approached NPUV for service from the existing available capacity in our wastewater treatment plant. We initially committed to serve at least 200 and potential 411 units subject to this FPSC approval of (1) an expanded service area, (2) a new wastewater force main transmission line charge to recover necessary costs. There are a total of 907 units which had shown interest to NPUC. NPUC will waive plat capacity charges for the problem projects. Presently for the reduced expansion area as agreed to by the City of Ormond Beach and suggested and recommended by Volusia County there are 299 units which have either requested service or are discussing.

COM _____
AFD _____
APA _____
ECO 1 _____
ENG 3 _____
GCL 1 _____
IDM _____
TEL _____
CLK _____

Also, we have discussed this project in detail with Volusia County over the past 18 months since they have shown interest in participating.

We have met with Central Florida office of FDEP to discuss the project. This project will cost-effectively eliminate inefficient small ocean side package plants, polluting commercial and residential septic tanks and further the betterment of the environment on the North Peninsula. The FDEP has verbally encouraged NPUC to further environmental protection in this coastal area. We have discussed our approval and FDEP will consider an application to accomplish the above following FPSC providing NPUC the expanded service area. There are two additional residential areas (Capri Drive (55 units) and Via Madrid (30 units)) of dry lines for which the homeowners were assed by the county, yet no central service was provided. In addition there are at least sixty (60) homes with septic tanks along John Anderson Drive (adjacent to the Halifax River) adjacent to the NPUC low pressure force mains which can connect if the certified service area is expanded to permit service. Finally, there are numerous septic tank areas which should consider connection (see Florida Department of Health in Volusia County report dated 10/2013). For the reduced service area expansion, there is a Phase 1 need of 344 units. The second phase will include additional units to be served by NPUC.

We appreciate cooperation and assistance of the professionals involved and look forward to a successful project.

Sincerely,



Robert L. Hillman
President
North Peninsula Utilities Corp.

~ Attachments

FLORIDA PUBLIC SERVICE COMMISSION

INSTRUCTIONS FOR COMPLETING APPLICATION FOR AMENDMENT OF CERTIFICATE (EXTENSION OR DELETION)

(Section 367.045, Florida Statutes)

General Information

The attached form has been prepared by the Florida Public Service Commission to aid utilities under its jurisdiction to file information required by Chapter 367, Florida Statutes, and Chapter 25-30, Florida Administrative Code. Any questions regarding this form should be directed to the Division of Economic Regulation, Bureau of Certification, Economics and Tariffs (850) 413-6900.

Instructions

1. Fill out the attached application form completely and accurately.
2. Complete all the items that apply to your utility. If an item is not applicable, please mark it "N.A." Do not leave any items blank.
3. Notarize the completed application form.
4. Remit the proper filing fee pursuant to Rule 25-30.020, Florida Administrative Code, with the application.
5. Return the utility's Certificate(s) along with the application for amendment.
6. The **original and five copies** of the completed application and attached exhibits; **one copy** of each territory and system map; the **original and two copies** of proposed tariff sheets; the proper filing fee; and the utility's certificate(s) should be mailed to:

**Office of Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850**

**APPLICATION FOR AMENDMENT OF CERTIFICATE
(EXTENSION OR DELETION)
(Pursuant to Section 367.045, Florida Statutes)**

To: **Office of Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, Florida 32399-0850**

The undersigned hereby makes application for amendment of Water Certificate No. _____ and/or Wastewater Certificate No. 249-S to add (add or delete) territory located in Volusia County, Florida, and submits the following information:

PART I APPLICANT INFORMATION

- A) The full name (as it appears on the certificate), address and telephone number of the applicant:

North Peninsula Utilities Corp.

Name of utility

(386)677-7607

Phone No.

(386) 677-8146

Fax No.

115 E. Granada Blvd. Suite 12

Office street address

Ormond Beach

City

FL

State

32176

Zip Code

Mailing address if different from street address

developershw@gmail.com

Internet address if applicable

- B) The name, address and telephone number of the person to contact concerning this application:

Robert L. Hillman

Name

(386)677-7607

Phone No.

115 E. Granada Blvd. Suite 12

Street address

Ormond Beach

City

FL

State

32176

Zip Code

PART II NEED FOR SERVICE

- A) Exhibit Composite A - If the applicant is requesting an extension of territory, a statement regarding the need for service in the proposed territory, such as anticipated development in the proposed service area.
- B) Exhibit N/A - If the applicant is requesting a deletion of territory, a statement specifying the reasons for the proposed deletion, demonstrating that it is in the public interest and explaining the effect of the proposed deletion on the ability of any customer, or potential customer, to receive water and/or wastewater service, including alternative source(s) of service.
- C) Exhibit N/A - A statement that to the best of the applicant's knowledge, the provision of service will be consistent with the water and wastewater sections of the local comprehensive plan at the time the application is filed, as approved by the Department of Community Affairs, or, if not, a statement demonstrating why granting the amendment would be in the public interest.

PART III SYSTEM INFORMATION

A) **WATER**

- (1) Exhibit N/A - A statement describing the proposed type(s) of water service to be provided by the extension (i.e., potable, nonpotable or both).
- (2) Exhibit N/A - A statement describing the capacity of the existing lines, the capacity of the existing treatment facilities, and the design capacity of the proposed extension.
- (3) Exhibit N/A - The numbers and dates of any construction or operating permits issued by the Department of Environmental Protection for the system proposed to be expanded.
- (4) Exhibit N/A - A description of the types of customers anticipated to be served by the extension, i.e., single family homes, mobile homes, duplexes, golf course, clubhouse, commercial, etc.
- (5) If the utility is requesting a deletion of territory, provide the number of current active connections within the territory to be deleted. N/A

- (6) Exhibit B-4 - Evidence the utility **owns** the land where the water facilities that will serve the proposed territory are, or will be, located. If the utility does not own the land, a copy of the agreement, such as a 99-year lease, which provides for the long term continuous use of the land. The Commission may consider a written easement or other cost-effective alternative.

B) **WASTEWATER**

- (1) Exhibit B-1 - A statement describing the capacity of the existing lines, the capacity of the existing treatment and disposal facilities, and the design capacity of the proposed extension.
- (2) Exhibit N/A - The numbers and dates of any construction or operating permits issued by the Department of Environmental Protection for the system proposed to be expanded.
- (3) Exhibit N/A - If the utility is planning to build a new wastewater treatment plant, or upgrade an existing plant to serve the proposed territory, provide a written description of the proposed method(s) of effluent disposal.
- (4) Exhibit B-2 - If (3) above does not include effluent disposal by means of reuse, provide a statement that describes with particularity the reasons for not using reuse.
- (5) Exhibit B-3 - A description of the types of customers anticipated to be served by the extension, i.e., single family homes, mobile homes, duplexes, golf course, clubhouse, commercial, etc.
- (6) If the utility is requesting a deletion of territory, provide the number of current active connections within the territory to be deleted. N/A
- (7) Exhibit B-4 - Evidence the utility owns the land where the wastewater facilities that will serve the proposed territory are, or will be, located. If the utility does not own the land, a copy of the agreement, such as a 99-year lease, which provides for the long term continuous use of the land. The Commission may consider a written easement or other cost-effective alternative.

PART IV FINANCIAL AND TECHNICAL INFORMATION

- A) Exhibit C-1 - A statement as to the applicant's technical and financial ability to render reasonably sufficient, adequate and efficient service.
- B) Exhibit C-2 - A detailed statement regarding the proposed method of financing the construction, and the projected impact on the utility's capital structure.
- C) Provide the number of the most recent Commission order establishing or amending the applicant's rates and charges. N/A
- D) Exhibit C-3 - A statement regarding the projected impact of the extension on the utility's monthly rates and service availability charges.

PART V TERRITORY DESCRIPTION AND MAPS

A) **TERRITORY DESCRIPTION**

Exhibit B-5 - An accurate description of the territory proposed to be added, using township, range and section references as specified in Rule 25-30.030(2), F.A.C. If the water and wastewater territory is different, provide separate descriptions.

B) **TERRITORY MAPS**

Exhibit B-6 - One copy of an official county tax assessment map or other map showing township, range and section with a scale such as 1"=200' or 1"=400' on which the proposed territory to be added or deleted is plotted by use of metes and bounds or quarter sections and with a defined reference point of beginning. If the water and wastewater territory is different, provide separate maps.

C) **SYSTEM MAPS**

Exhibit B-7 - One copy of detailed map(s) showing proposed lines and facilities and the territory proposed to be served. Map(s) shall be of sufficient scale and detail to enable correlation with a description of the territory proposed to be served. Provide separate maps for water and wastewater systems.

PART VI NOTICE OF ACTUAL APPLICATION

- A) Exhibit to be performed after FPSC required notification listing - An affidavit that the notice of actual application was given in accordance with Section 367.045(1)(a), Florida Statutes, and Rule 25-30.030, Florida Administrative Code, by regular mail to the following:
- (1) the governing body of the municipality, county, or counties in which the system or the territory proposed to be served is located;
 - (2) the privately owned water and wastewater utilities that hold a certificate granted by the Public Service Commission and are located within the county in which the territory proposed to be served is located;
 - (3) if any portion of the proposed territory is within one mile of a county boundary, the utility shall notice the privately owned utilities located in the bordering counties that hold a certificate granted by the Commission;
 - (4) the regional planning council;
 - (5) the Office of Public Counsel;
 - (6) the Public Service Commission's Office of Commission Clerk;
 - (7) the appropriate regional office of the Department of Environmental Protection; and
 - (8) the appropriate water management district.

Copies of the Notice and a list of entities noticed shall accompany the affidavit.
THIS MAY BE A LATE-FILED EXHIBIT

- B) Exhibit N/A - An affidavit that the notice of actual application was given in accordance with Rule 25-30.030, Florida Administrative Code, by regular mail or personal delivery to each customer of the system. A copy of the notice shall accompany the affidavit. THIS MAY BE A LATE-FILED EXHIBIT.
- C) Exhibit N/ A - Immediately upon completion of publication, an affidavit that the notice of actual application was published once in a newspaper of general circulation in the territory in accordance with Rule 25-30.030, Florida Administrative Code. A copy of the proof of publication shall accompany the affidavit. THIS MAY BE A LATE-FILED EXHIBIT.

PART VII FILING FEE

Indicate the filing fee previously enclosed with the application:

\$ N/A (for water) and/or \$1,000 (for wastewater). Expanded Certificate Area plus \$1,000 for Rate Change Consideration. Totaling \$2,000.

Note: Pursuant to Rule 25-30.020, Florida Administrative Code, the amount of the filing fee is as follows:

- (1) For applications in which the area to be extended or deleted has the proposed capacity to serve up to 100 ERCs, the filing fee shall be **\$100.**
- (2) For applications in which the area to be extended or deleted has the proposed capacity to serve from 101 to 200 ERCs, the filing fee shall be **\$200.**
- (3) For applications in which the area to be extended or deleted has the proposed capacity to serve from 201 to 500 ERCs, the filing fee shall be **\$500.**
- (4) For applications in which the area to be extended or deleted has the proposed capacity to serve from 501 to 2,000 ERCs, the filing fee shall be **\$1,000.**
- (5) For applications in which the area to be extended or deleted has the proposed capacity to serve from 2,001 to 4,000 ERCs, the filing fee shall be **\$1,750.**
- (6) For applications in which the area to be extended or deleted has the proposed capacity to serve more than 4,000 ERCs, the filing fee shall be **\$2,250.**

PART VIII TARIFF AND ANNUAL REPORTS

- A) Exhibit D - An affidavit that the utility has tariffs and annual reports on file with the Commission.
- B) Exhibit N/A - The original and two copies of proposed revisions to the utility's tariff(s) to incorporate the proposed change to the certificated territory. Please refer to Rules 25-9.009 and 25-9.010, Florida Administrative Code, regarding page numbering of tariff sheets before preparing the tariff revisions. (The rules and sample tariff sheets are attached.)

- * Other than (1.) rate adjustments
(2.) transmission main extension charge

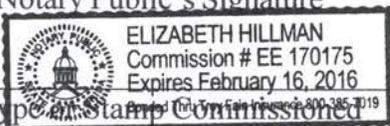
PART IX AFFIDAVIT

I Robert Hillman (applicant) do solemnly swear or affirm that the facts stated in the forgoing application and all exhibits attached thereto are true and correct and that said statements of fact thereto constitutes a complete statement of the matter to which it relates.

BY: 
Applicant's Signature
Robert Hillman
Applicant's Name (Typed)
President
Applicant's Title *

Subscribed and sworn to before me this 3 day in the month of March
in the year of ~~2014~~ 2014 by Robert Hillman who is personally known to me
or produced identification _____

Type of Identification Produced


Notary Public's Signature

Print, Type and Stamp Commissioned
Name of Notary Public

* If applicant is a corporation, the affidavit must be made by the president or other officer authorized by the by-laws of the corporation to act for it. If applicant is a partnership or association, a member of the organization authorized to make such affidavit shall execute same.

Exhibit A
Need for Service

Attached find the letters requesting service reflecting from the oceanside package wastewater treatment plants, and the proposed expanded service area. Composite Exhibit A-1 are the letters requesting service from NPUC. Composite Exhibit A-2 are the proposed standard agreements for the projects shown.

There are three (3) existing and previously three (3) proposed package plants which are within the proposed expansion area. Many potential customers have either requested service, are discussing service, or are investigating service from NPUC. The timing of each project connecting to NPUC is varied and dependent upon FPSC approval. Finally, certain residential developments have central sewer in-place, but no service available and are served with temporary septic tanks. Other residential developments have certain septic tank failures with no alternative than a new septic system.

NPUC has been discussing the potential connection of the Volusia County 5 systems to NPUC for approximately 18 months. Various options for service have been evaluated. The County has commissioned at least two (2) studies to make a recommendation to the Board of County Commissioners. Historically, the County Utility Staff have been supportive of the NPUC program. Presently, the County is losing money operating the five (5) isolated remote package plants which were required to be donated to them. The City of Ormond Beach City Commission has approved a "no objection" letter for this activity (see A-1 minutes)

NPUC is the only FPSC certified wastewater utility in the area.

This area is North of the City of Ormond Beach wastewater facilities. Presently, Ormond Beach charges County Customers 150% of the in-side city rate.

A-4 provides a copy of the Florida Department of Health – 10-2013 – Septic Tank report.

Attachments

A-1 = Letters requesting service, Ormond "no objection" Florida Department of Health –
10/2013 - Septic Tank Report

A-2 = Proposed standard developer's agreement

A-3 = Potential customers listed (updated)

A-1

Ocean Beach Homes, Inc.
325 Palmetto Dr. Suite 101
Daytona Beach, FL 32117

February 18, 2014

North Peninsula Utilities
P.O. Box 2803
Ormond Beach, FL 32175

RE: Lot 155 Capri Drive, Ormond Beach, FL 32176; Sewer Service

Dear Gentlemen:

This letter will serve as formal request for sewer service to our property captioned above.

We have paid the County of Volusia through a special assessment in excess of \$20,000 for improvements to the right of way in front of our property. Included in this payment was the cost to install a sewer main with stub outs for each property. The county cannot provide service and therefore we have to build a septic system with each lot or connect to your line on John Anderson Dr. We would be interested in whether NPUC has capacity to serve us and when service would be available.

Please contact us as soon as possible with an estimated date that we may connect to your sewer system.

Sincerely,


Ocean Beach Homes, Inc.

A-1

Ocean Beach Homes, Inc.
325 Palmetto Dr. Suite 101
Daytona Beach, FL 32117

February 18, 2014

North Peninsula Utilities
P.O. Box 2803
Ormond Beach, FL 32175

RE: Lot 134 Capri Drive, Ormond Beach, FL 32176; Sewer Service

Dear Gentlemen:

This letter will serve as formal request for sewer service to our property captioned above.

We have paid the County of Volusia through a special assessment in excess of \$20,000 for improvements to the right of way in front of our property. Included in this payment was the cost to install a sewer main with stub outs for each property. The county cannot provide service and therefore we have to build a septic system with each lot or connect to your line on John Anderson Dr. We would be interested in whether NPUC has capacity to serve us and when service would be available.

Please contact us as soon as possible with an estimated date that we may connect to your sewer system.

Sincerely,



Ocean Beach Homes, Inc.

A-1

Ocean Beach Homes, Inc.
325 Palmetto Dr. Suite 101
Daytona Beach, FL 32117

February 18, 2014

North Peninsula Utilities
P.O. Box 2803
Ormond Beach, FL 32175

RE: Lot 109 Capri Drive, Ormond Beach, FL 32176; Sewer Service

Dear Gentlemen:

This letter will serve as formal request for sewer service to our property captioned above.

We have paid the County of Volusia through a special assessment in excess of \$20,000 for improvements to the right of way in front of our property. Included in this payment was the cost to install a sewer main with stub outs for each property. The county cannot provide service and therefore we have to build a septic system with each lot or connect to your line on John Anderson Dr. We would be interested in whether NPUC has capacity to serve us and when service would be available.

Please contact us as soon as possible with an estimated date that we may connect to your sewer system.

Sincerely,


Ocean Beach Homes, Inc.

A-1

January 17, 2014

Bob Hillman

Hillman Wilson Development

Ormond Beach, FL

RE: Central Sewer Service

Subject Property: 3120 John Anderson Dr

Ormond Beach, FL

Hi Bob:

As the owner of the above referenced riverfront property, I am anxious to hook up to your central sewer service.

We are experiencing septic tank problems and I really don't want to put a new tank in when you have service available. It doesn't make any sense.

Please forward this letter to the appropriate governmental authority and advise them on my request.

Thank you



Ron Godfrey

Owner

3120 John Anderson Drive

Ormond Beach, FL 32176

561-702-1210

rongo@comcast.net

4

August 21, 2013

REF: 3120 John Anderson Drive
Ormond Beach, FL 32176

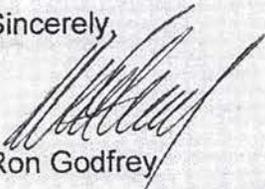
Good Afternoon:

I am the owner of the above property.

The drain field is in need of repair and I would prefer to connect to your sewer services as soon as possible.

I kindly request permission from all governmental agencies to allow this to happen.

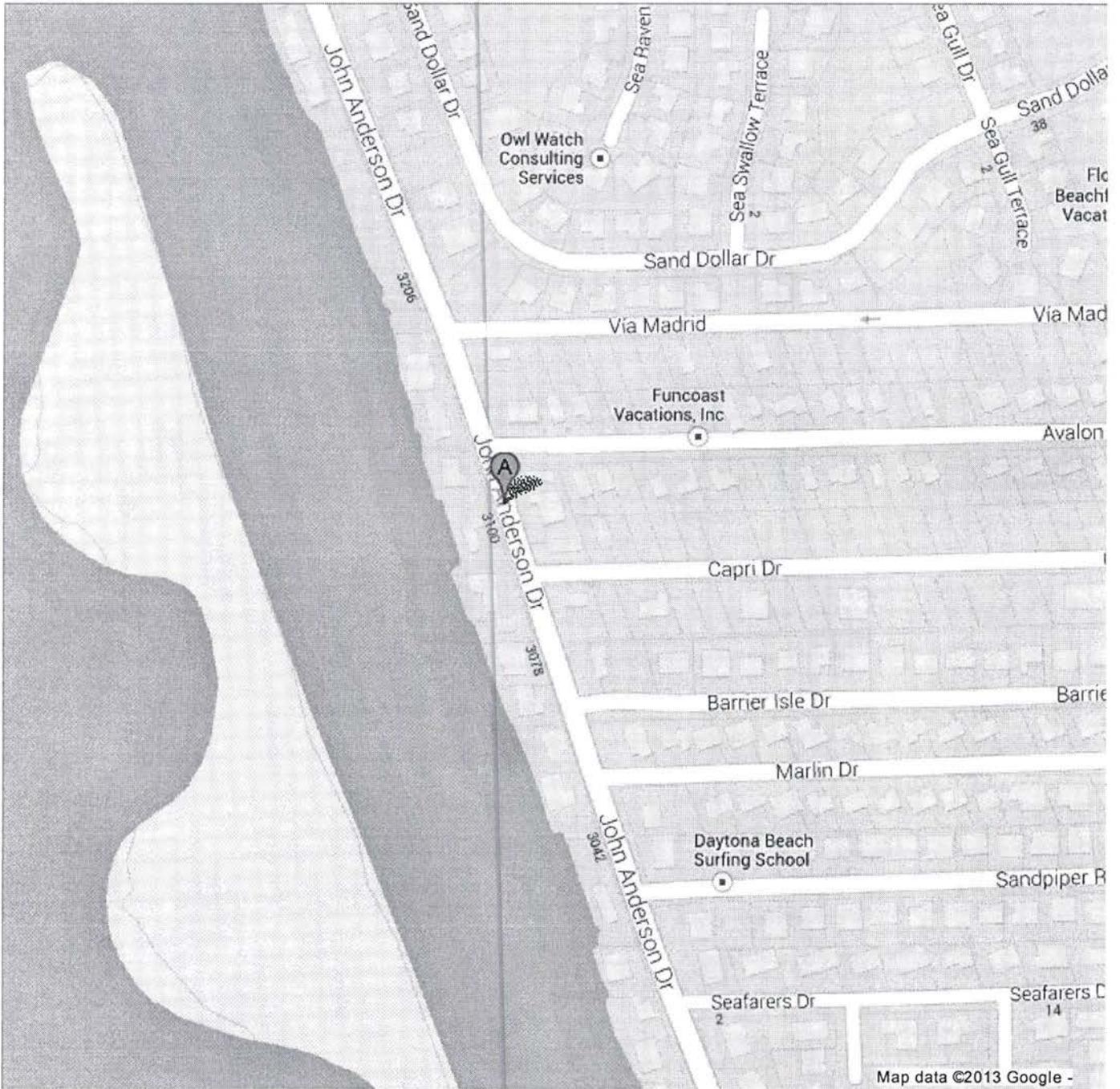
Sincerely



Ron Godfrey

561-702-1210

To see all the details that are visible on the screen, use the "Print" link next to the map.



Prudential Commercial Real Estate FL
120 South Palmetto Avenue
Daytona Beach, FL 32114

October 16, 2013

Via Email: DevelopersHW@gmail.com

Robert L. Hillman
North Peninsula Utilities Corp
115 E Granada Blvd., Suite 12
Ormond Beach, FL 32174

RE: 3370 Ocean Shore Blvd, Ormond by the Sea

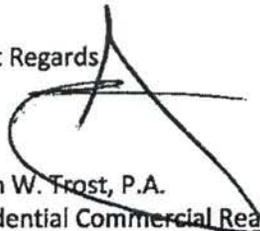
Dear Bob,

Per our discussion, we are marketing the 1.36+/- acre parcel at 3370 Ocean Shore Blvd, Ormond by the Sea, parcel number 3216-10-03-0010. Site is zoned B-8 for 20 units per acre and the county has indicated it would approve up to 35 units on the site.

We have had several inquiries regarding availability of water and sewer utilities for the site. The adjacent property owners of the Fairwinds Condo phase one and two have indicated they would not allow any hookup to their waste water treatment plant. You have indicated your company could provide sewer to the site, can you: i) confirm your firm has the capacity for this use, ii) breakdown the cost to this site that would be associated with the same (ie: impact fees, hookup charges and lift station) and iii) timing to provide service?

Please advise with any further questions.

Best Regards,



John W. Frost, P.A.
Prudential Commercial Real Estate FL
386-253-8565 Ext 115 (O)
386-295-5723 (C)
JTrost@ccim.net
www.JohnTrost.com



A-1

Hillman Wilson <developershw@gmail.com>

3370 Ocean Shore Blvd

Hillman Wilson Development Offices <developershw@gmail.com>

Thu, Oct 24, 2013 at 11:45 AM

To: John Trost <jtrost@ccim.net>

John,

Please be advised that North Peninsula Utilities Corp. does have the reserve capacity to serve the property @ 3370 Ocean Shore Blvd. with wastewater service. NPUC is at this time in application with the Florida Public Service Commission to extend our Tariff (service) area which would include your property.

At this time we would not be able to advise you on a breakdown of costs to connect other than to estimate that it would be much more cost efficient than to build an onsite facility if that could even be done. We will let you know as more info on costs are available.

Also with regards to timing, we should have approval the first part of 2014 with service available within 12-18 months.

We look forward to serving your sewer needs in the future.

Sincerely,

Robert L. Hillman
NPUC

[Quoted text hidden]

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A-1

Fw:

jclcllc@yahoo.com <jclcllc@yahoo.com>
To: "developershw@gmail.com" <developershw@gmail.com>

Wed, Feb 19, 2014 at 4:16 PM

Sent from Windows Mail

From: jclcllc@yahoo.com
Sent: Wednesday, February 19, 2014 1:15 PM
To: doug@danielslegal.com

Mr. Daniels , as our County Representative, can you help to provide the necessary hook up for Capri Drive sewage ?

This street was completed by the government with a paved road , gutters, water , and a dry sewage line. Each owner

was assessed almost \$30,000 for these improvements and the sewer does not function. As a result, in order to build on

my lot, I am required to employ an engineer for a cost of \$1300 and then install a septic system for an additional \$7500.00.

It is my understanding that North Peninsular Utilities has applied to the State government to service Capri Drive ,

but Volusia County has withheld approval.

What is wrong with our local government ? Why do they not allow this useless dry line to be utilized ?

John Ledbetter

jclcllc@yahoo.com

9



A-1

Approved Action of

7.L

CITY OF ORMOND BEACH

City Manager • 22 S Beach Street • Ormond Beach • Florida • 32174 • (386) 676-3200 • Fax (386) 676-3384

CITY MANAGER MEMORANDUM

To: The Honorable Mayor Kelley and City Commissioners
Through: Joyce A. Shanahan, City Manager
From: Dave Ponitz, Utilities Manager
Date: February 18, 2014
Subject: North Peninsula Utilities Corp. - Request to Amend Wastewater
Certificated Area

Introduction

This is an item presented for City Commission awareness of the North Peninsula Utilities Corporation's (NPUC) plan for pursuing application to the Florida Public Utilities Commission (FPUC) to amend their current wastewater certificate service area in the North Peninsula area - Volusia County.

Background

As a result of recent discussions between NPUC, City and Volusia County concerning NPUC's proposal to amend their Wastewater Utility Certificate to add territory in the North Peninsula area, NPUC has provided updated service area exhibits for City and County consideration. NPUC desires to obtain acceptance from the City and Volusia County of their planned territory expansion configuration prior to making application to the FPUC. NPUC is also attempting to avoid cumbersome and expensive administrative hearing activities related to formal objections voiced by either agency associated with NPUC's application notice for their request for expanded service area boundary.

Attached is a letter dated December 6, 2013 from Clay Henderson, Attorney representing NPUC, recapping several items of interest discussed at a meeting between NPUC, County and City staff regarding the basis for the boundary configurations illustrated on Figures 1, 2 and Appendix B also attached. The proposed NPUC service area boundaries (existing and proposed) and southerly demarcation line along with existing Volusia County Utilities Department (VCUD) wastewater treatment service area boundaries (Pelican Dunes area) are illustrated in the Figures.

Discussion

Over the past year, Volusia County has commissioned plans in preparation for a force main extension project along A1A from a connection to the City's force main at Spanish Waters Drive to Ocean Grove Drive and adjacent to several Volusia County operated

wastewater plants. Previous joint project collaborations between the City and Volusia County include completion of two (2) force main extension projects along A1A in the North Peninsula area north to Spanish Waters Drive. The City has provided Volusia County utilities staff with current impact fee and billing rates to include actual billing records for several condominium facilities along A1A to assist their review and comparison of NPUC's proposal and financial impacts to affected customers in the NPUC area. The County has also expressed an interest for City support of potential cooperative funding and/ or reimbursement opportunities for capital expenditures related to a force main extension project currently proposed along A1A in the area.

It is our understanding the County has made no formal determination regarding NPUC's proposed service area expansion depicted as County staff continues to assess the condition of the existing treatment facility operated by NPUC as well as impacts to customers in the affected area to include considerations for NPUC's request to include Kingston Shores facility in their expanded service area which is located immediately north and adjacent to the County's Pelican Dunes Treatment Facility service area.

The City of Ormond Beach has completed several capital projects with the goal of serving future wastewater flows from the North Peninsula area. Wastewater treatment and collection system projects recently completed include expansion and rehabilitation of the City's 8 MGD wastewater treatment facility, replacement and upgrades to the City's Ormond Mall Lift Station and extension of a 16 inch sanitary sewer force main along John Anderson Drive between Dormont Drive and Amsden Road.

The City's current Utility Master Plan - Wastewater System identifies two (2) additional future projects, currently unfunded, described as WW-10 North Peninsula Force Main (Spanish Water to Pelican Dunes) and WW-16 North Peninsula Residential Retrofit Force Main to serve wastewater collection system needs in the north peninsula area.

NPUC's illustrations provided for their proposed service area expansion appear to be consistent with recent staff discussions with the exception of the inclusion of Kingston Shores. Staff intends to continue collaborations with Volusia County and NPUC regarding modification of wastewater certificated areas in the North Peninsula - Volusia County area and additional joint project funding opportunities for the County's proposed force main project along A1A.

Budget Impact

Budget implications are unknown at present time. The proposed NPUC service area boundary does not appear to significantly diminish future benefits of previous City wastewater collection system capital expenditures for serving the North Peninsula area.

Recommendation

The Commission is requested to authorize staff to respond with a letter of no objection to the NPUC proposal.

Attachments:

- Letter to Connors and Shanahan_12_06_2013_16_21_10_426 (PDF)
- Figure 1 Proposed Cert Area & New South Line (PDF)
- Figure 2 VCUD - NPUC Service Boundary Designations(PDF)
- Appendix B-1 NPUC - VCDU Expanded Cert Area (PDF)

REVIEWED BY:


 Kelly McGuire, Finance Director 1/30/2014


 Theodore MacLeod, Assistant City Manager 2/12/2014

APPROVED BY:


 Joyce A. Shanahan, City Manager 2/12/2014

North Peninsula Utility Company

Wastewater System

Standard Customer Agreement

THIS AGREEMENT made and entered into this _____ day of _____, 2013, by and between _____ hereinafter referred to as "Customer", and the North Peninsula Utility Company, a Florida corporation, hereinafter referred to as the "Utility".

RECITALS

1. The Customer owns or controls lands located in Volusia County, Florida, and described in Exhibit "A", attached hereto and made a part hereof as if fully set out in this paragraph and hereinafter referred to as "Property"; and Customer has developed the Property by erecting thereon, residential or commercial improvements.
2. The Customer is desirous of prompting the construction and/or maintenance of central wastewater facilities so occupants of each residence or commercial improvement constructed will receive adequate wastewater service from the Utility.
3. The Utility is willing to provide, in accordance with the provisions and stipulations of their FPSC Tariff, and in accordance with all applicable laws, central wastewater facilities, and to have extended such facilities so the occupants of each residence or commercial improvement constructed on the Property will receive an adequate wastewater service from the Utility.

ACCORDINGLY, for and in consideration of the Recitals, the mutual undertakings and agreements herein contained and assumed, and other good and valuable consideration the receipt and sufficiency of which are acknowledged by the parties, the Customer and the Utility hereby covenant and agree as follows:

1. RECITALS. The above Recitals are true and correct, and form a material part of this Agreement.

2. DEFINITIONS

2.1 The following definitions and references are given for the purpose of interpreting the terms as used in this Agreement and apply unless the context indicates a different meaning:

1. AEPI/AEPL Charge – as provided by the Florida Public Service Commission (FPSC) is the Allowance for Funds Prudently Invested and represents a charge authorized by

the FPSC.

2. **"Contribution-in-aid-of-Construction"** – The sum of money, and/or property, represented by the value of the wastewater assets donated or constructed by Customer, which customer covenants and agrees to pay to the Utility, as a contribution-in-aid-of-Construction, to induce the Utility to continuously provide wastewater service to the Property.
3. **"Point of Connection"** - The point where the pipes of the utility are connected with the pipes of the customer. Unless otherwise indicated, the point of connection shall be at a point on the customer's lot line.
4. **"Service"** – The readiness and ability on the part of the Utility to furnish wastewater service to each customer.
5. **"Tariff"** – The Utility's approved customer service document by the FPSC which includes customer rates, charges, rules and regulations.

2.2 For the purpose of interpreting the terms as used in this Agreement, the definitions of terms provided in the Tariff are incorporated herein. In the event that a definition of a term set forth in the Tariff conflicts with the definition of the term set forth in Section 2 of this Agreement, the definition of the term set forth in Section 2 herein applies to the use of their term in this Agreement. In the event that the term is not defined in Section 2 of this Agreement and the definition of the term as set forth in the Tariff conflict, then the definition as set forth in the Tariff applies to the use of the term herein.

3. **EASEMENT AND RIGHT OF ACCESS** Customer hereby grants and gives the Utility the exclusive right or privilege to construct, own, maintain, and operate the wastewater facilities in, under, and across the present property. Customer hereby further agrees that the foregoing grant includes the necessary right of ingress and egress to a part of the Property; that the foregoing grant shall be for such period of time as the Utility requires such rights, privileges or easements in the ownership, maintenance, operation or expansion of the wastewater facilities.

The specific initial easement and right of access is shown in Exhibit "B".

4. **PROVISION OF SERVICE; CAPACITY AND FEES AND CHARGES**

4.1 Upon the continued accomplishment of all the prerequisites contained in this Agreement to be performed by the Utility and/or Customer, the Utility covenants and agrees that it will connect the wastewater facilities paid for by Customer to the central wastewater facilities of the Utility in accordance with the intent of this Agreement. The customer shall pay the estimated cost herein within 30 days of the FPSC approval of the expanded service area. Utility shall provide customer notice of this approval.

4.2 To induce the Utility to provide wastewater facilities to Customer for use by the Property, Customer agrees to pay the Utility wastewater capacity charge of \$0.00 at a rate of \$0.00 per gallon for _____ gallons per day (gpd).

4.3 Customer shall pay a monthly Annual average daily flow (AADF) representing _____ Equivalent Residential Connection (ERC) charge in the amount of \$31.62 per ERC/Month. This charge is subject to change from time to time as approved by the FPSC.

4.4 Customer shall pay for the decommissioning of its package wastewater treatment plant and disposal system or septic tank and drainfield in accordance with FDEP regulations. This cost shall be true-up to the actual cost at completion.

4.5 Customer shall pay for the conversion of its wastewater lift station or provide a new lift station capable of pumping the customer's wastewater into the Utility's force main under sufficient pressure to convey the wastewater to the Utility wastewater treatment plant. This cost shall be true-up to the actual cost at completion.

4.6 Customer shall pay its pro rata share on a customer's ERC's divided by force main ERC's capacity applied to the capital cost of the project. That cost is estimated to be \$500 per unit. If the customer enters into this agreement after the commencement of the force main project, then an additional AFPI charge for the interest carry shall be applied as of the date of payment. This cost shall be true-up to the actual cost at completion.

5. DESIGN REVIEW, CONSTRUCTION, INSPECTION, AND CONVEYANCE OF FACILITIES

5.1 To induce the Utility to provide wastewater facilities, and to continuously provide customers located on the Property with wastewater services, Customer hereby covenants and agrees to pay for the construction and to transfer ownership and control to the Utility as a contribution-in-aid-of-Construction, the wastewater systems referred to herein.

5.2 Customer shall pay the Utility to review engineering plans and specification of the type and in the form as prescribed by the Utility. Alternatively, Customer shall pay the Utility to prepare plans, specifications and permits on behalf of the Customer for connection to the Utility.

5.3 During the construction of the wastewater systems, the Utility shall have the right to inspect such installation to determine compliance with the plans and specifications, adequacy of the quality of the installation. Complete as-built plans shall be submitted to the Utility upon completion of construction.

5.4 Fees will be levied by the Utility to cover the cost of plan review and inspection, and

the cost of Customer improvements.

5.5 By these presents, Customer hereby transfers to the utility, title to all wastewater systems installed, pursuant to the provisions of this Agreement. Such conveyance is to take effect without further action upon the acceptance by the Utility of the said installation. Customer shall convey to the Utility, by bill of sale, or other appropriate documents, in form satisfactory to the Utility's counsel, the complete wastewater system as constructed and approved by the Utility. Customer shall further cause to be conveyed to the Utility, all easements and/or rights-of-way covering areas in which wastewater facilities are installed in form satisfactory to the Utility's counsel.

6. EVIDENCE TITLE. Within a period of thirty (30) days after the execution of this Agreement, at the expense of the Customer, Customer agrees to either deliver to the Utility the conveyance documents delineated in Section 5.

7. OWNERSHIP OF FACILITIES. Customer agrees with the Utility that all wastewater facilities conveyed to the Utility for use in connection with providing wastewater services to the Property, shall at all times remain in the complete exclusive ownership of the Utility, and any entity owning any part of the Property or any residence or building constructed or located thereon, shall not have the right, title, claim or interest in and to such facilities, or any part of them, for any purpose, including the furnishing of wastewater services to other persons or entities located within or beyond the limits of the Property.

8. APPLICATION OF UTILITY RULES, REGULATIONS, AND RATES. Rates and other charges to Customer shall be set forth from time to time in the Tariff approved by the FPSC.

9. PERMISSION TO CONNECT REQUIRED. Customer shall not have the right to connect to the wastewater facilities of the Utility until approval for such connection has been granted by the Utility.

10. CONSTRUCTION OF ASSOCIATED FACILITIES.

10.1 If a kitchen, cafeteria, restaurant or other food preparation or dining facility, as may be identified by the Utility, is constructed within the Property, Customer agrees to install and to maintain, at its own expense, a grease trap with a minimum of 1,000 gallons for each such facility so that all wastewater from any grease producing equipment or operations within such facility shall first enter the grease trap for pretreatment before the wastewater is delivered to the lines of the Utility.

10.2 If a service station, mechanical repair shop, car wash, or other similar facility, is constructed within the Property, Customer agrees to install and to maintain, at its own expense, an oil and sand separator for each facility so that all wastewater from oil or sand producing operations within such facility shall first enter the oil and sand separator for pretreatment before the wastewater is delivered to the lines of the Utility.

11. BINDING AGREEMENT ASSIGNMENTS BY CUSTOMER. This Agreement shall be binding upon and shall inure to the benefit of Customer, the Utility and their respective assigns and successors by merger, consolidation or conveyance. This Agreement shall not be sold, conveyed, assigned or otherwise disposed of by Customer without the written consent of the Utility first having been obtained. The Utility agrees not to unreasonably withhold such consent.

12. NOTICES. Until further written notice by either party to the other, all notices provided for herein shall be in writing and transmitted - by messenger, or by mail to:

13. SURVIVAL OF COVENANTS. The rights, privileges, obligations and covenants of Customer and the Utility shall survive the completion of the work with respect to completing the wastewater facilities and services.

14. ENTIRE AGREEMENT; AMENDMENTS; APPLICABLE LAW; ATTORNEY'S FEES. This Agreement supersedes all previous agreements or representations, either verbal or written, heretofore in effect between Customer and the Utility, made with respect to the matters between Customer and the Utility.

15. DISCLAIMERS; LIMITATIONS ON LIABILITY

15.1 The parties deem each other to be independent contractors, and not agents of the other.

15.2 Indemnity. The Customer shall indemnify the Utility, its respective agents and employees, from and against any and all claims, liability, demands, damages, expenses, fees, fines, penalties, suits, and proceedings.

15.3 Force Majeure. The Utility shall not be liable or responsible to the Customer by reason of the failure or inability of the Utility to take any action it is required to take or to comply with the requirements imposed hereby is caused directly or indirectly by force majeure. The term "force majeure" as employed herein shall mean acts of God, strikes, lockouts, or other industrial disturbance; acts of public enemies, war, blockades, riots, acts of armed forces, militia, or public authority, epidemics; breakdown of or damage to machinery, pumps, or pipe lines; landslides, earthquakes, fires, storms, floods, or washouts; arrests, title disputes; or other litigation; governmental restraints of any nature whether federal, state, county, municipal or otherwise, civil or military; civil disturbances; explosions, failure or inability to obtain necessary materials, supplies, labor or permits or governmental approvals whether resulting from or pursuant to existing or future rules, regulations, orders, laws or proclamations whether federal, state, county, municipal or otherwise, civil or military; or by any other causes.

15.4. Disclaimer of Third Party Beneficiaries. This agreement is solely for the benefit of and shall be binding upon the formal parties hereto and their respective authorized successors and assigns, and no right or cause of action shall accrue upon or by reason hereof, to or for

the benefit of any third party not a party to this agreement or an authorized successor or assignee thereof.

15.5. **Disclaimer of Security** - Notwithstanding any other provision of this Agreement, the Customer expressly acknowledges (1) that it has no pledge of or lien upon any real property (including, specifically, the Utility's system), any personal property, or any existing or future revenue source of the Utility (including, specifically, any revenues or rates, fees, or charges collected by the Utility in connection with the Utility's system) as security for any amounts of money payable by the City under this agreement; and (2) that its rights to any payments or credits under this agreement are subordinate to the rights of all holders of any stocks, bonds, or notes of the Utility, whether currently outstanding or hereafter issued.

15.6. **Agreement Not a Commitment for Schedule:** There shall be no liability whatsoever on the part of the Utility for failure to provide wastewater service to Customer according to Developer's needs or schedules. This agreement constitutes a promise of good faith and not a timetable for delivery of utility services.

16. COVENANT NOT TO ENGAGE IN UTILITY BUSINESS. The Customer, as a further consideration for this Agreement, agrees that it shall not engage in the business of providing wastewater service.

17. FPSC APPROVAL The parties hereto agree that an executed copy of this Agreement and Exhibits attached hereto shall be submitted to the FPSC for approval.

18. SEVERABILITY If any part of this Agreement is found invalid or unenforceable by any court, such invalidity or unenforceability shall not affect the other parts of this Agreement. To that end, this Agreement is declared severable.

19. AUTHORITY TO EXECUTE AGREEMENT The signature by each party shall have the full power and authority to bind any corporation, partnership, or any other business entity for which he purports to act hereunder.

20. SPECIAL CONDITIONS The following Special Conditions are mutually agreed between Customer and the Utility:

1. Utility shall operate, maintain, renew and/or replace wastewater lift-pump station items as warranted in the future.
2. Customer shall pay electrical costs of the on-site wastewater lift-pump station.
3. Customer shall contact Utility if any malfunction is observed.
4. Utility shall correct any malfunction of the wastewater lift-pump station with due haste and shall make available a mobile generator set or temporary trash pump bypass as conditions warrant.
5. If Utility exercises the exclusive option for customer facilities then items #1 and #4 do not apply.

IN WITNESS WHEREOF, Customer and the Utility have executed or have caused this Agreement, with the named Exhibits attached, if any, to be duly executed in several counterparts, each of which counterpart shall be considered an original executed copy of this Agreement.

Signed, Sealed and delivered in the presence of:

Utility:
North Peninsula Utilities

Corporation

(X) _____

By: _____

Name _____

(X) _____

Attest: _____

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this

_____ day of _____, 20__ by _____,

_____ of the North Peninsula Utilities Corporation. He is personally known to me or has

_____ as identification and did (did produced _____ not) take an oath.

Signature of Person Taking
Acknowledgement

Name of Acknowledger Typed, Printed
or Stamped

Title or Rank

Serial Number if any

X _____

(X) _____

By: _____

(X) _____

By: _____

By: _____

Property Name

Property Address

City, State, Zip

Table A-3

Projected Phase 1 - NPUC Customers

<u>Customer Name</u>	<u>Units</u>
Capri Drive	3
John Anderson Dr.	1
3700 Ocean Shore Blvd.	27
Dry Line Assessed Areas	
- Capri Drive	55
- Via Madrid Drive	30
Oceanaire	17
Fairwind Shores	71
Kingston Shores	110
John Anderson Septics	60 +
8 Acres- 3000 Ocean Shore Blvd.	73
Total Phase 1	<hr/> 447

Table A-3 (b)

Potential Phase 2 NPUC Customers

<u>Customer Areas</u>	<u>Units</u>
Tarpon Dr. / Dolphin, Dunes Areas and North	225
Julie Drive/ Capistrano Area (North Middle)	98
Avalon Drive Area (North Middle)	49
Seafarers / Beau Rivage Area (South)	74
	446

Table A-3 (C)

Summary of NPUC Service Customers

<u>Type</u>	<u>Unit</u>
Existing	600
Phase 1	447
Phase 2	446
Total	<hr/> 1493

Existing System 210,000 gpd WWTP, 181,000 gpd

Existing Flow @ 50,000 gpd (600 Units)

Available Plant Capacity 160,000 gpd. (at LOS 150 gpd per unit, 893 units use only 133,950)
10/2013 - Septic Tank Report

A-4
Phase 2



Report on the status of sewage disposal and collection in
Volusia County, Florida

October 2013

Report prepared by:
James McRae, Environmental Supervisor II
Laura Kramer, Environmental Specialist II
Noble Bielby, Environmental Specialist II
Regina Harris, Database Analyst

Mission:

To protect, promote & improve the health of all people in Florida through integrated state, county & community efforts.

**Rick Scott**

Governor

John H. Armstrong, MD, FACS

State Surgeon General & Secretary

Vision: To be the Healthiest State in the Nation

Report on the status of sewage disposal and collection in Volusia County, Florida – 2013

Introduction

In 1999, Volusia County Health Department environmental health staff prepared a report on the status of sewage disposal in the county. Staff analyzed geographic areas utilizing a formula to determine if the area would be better suited for septic system use or connection to a sewer system. This updated report will use the same formula to review the areas that were analyzed 14 years ago and also review a few more areas of the county. It is estimated that about 65 – 70% of the septic systems in the county have been included in this report. Some rural areas of the county were left out of this report due to the fact that they are located far from existing sewer lines and have large sized properties, some of those rural areas include Seville, Pierson and Samsula.

This report provides objective environmental public health information that can be used by local planners, elected officials, utility directors and community stakeholders to help make informed decisions on future planning of sewer expansion. On page 14 of the report is a table that shows the objective ranking of the geographic areas. Many of the areas are shaded light brown categorized as "needs more investigation". Municipalities would need to study or investigate that particular area in more detail to help decide whether or not to bring sewer into that area.

In the 14 years since the original report was prepared approximately 17,773 new systems were installed in the county, conversely 4,327 systems were abandoned. In 1999, it was estimated that there were approximately 80,000 septic systems. That totals 93,446 septic systems identified in Volusia County. During the time when these new septic systems were added, an additional 15,098 existing septic systems were repaired or replaced. Approximately 35 percent of all the septic systems have been installed or replaced within the past 14 years. These new installations utilize modern septic technology to properly dispose of the sewage. Requirements such as better separation of drainfield to the high water table, two compartment septic tanks and filters in the septic tanks help to properly treat the sewage.

Septic facts

- 80,000 septic systems identified in Volusia County in 1999
- 17,773 new systems installed in Volusia County since 1999
- 4,327 systems abandoned since 1999
- 93,446 combined total of septic systems in Volusia County to date
- 15,098 existing septic systems were repaired or replaced since 1999

Florida Department of Health in Volusia County

Environmental Health
121 W. Rich Ave. • DeLand, FL 32720-4212
PHONE: 386-822-6240 • FAX: 386-822-6251

www.FloridasHealth.com**www.Volusiahealth.com**

TWITTER:HealthyFLA

FACEBOOK:FLDepartmentofHealth

YOUTUBE: fldoh

Using this report

This report is an objective review of geographic areas in Volusia County. It is intended to provide a scientific review of septic systems for future planning, to ensure the continued protection of public health. The report is not intended as a statement of the efficacy of septic systems in lieu of other sewerage systems.

In trying to provide objectivity to the central sewer versus onsite system debate, the environmental health office developed a sewage recommendation index in which consideration is given to soil permeability, effect on surface water bodies, the age of the in-ground systems, protection of ground water, connection to regulated water supplies, and density of land use. The formula is as follows:

$$\frac{A + B + C + D + E}{F}$$

- Where A = Permeability index
- B = Water body index
- C = Average age of system index
- D = Water table index
- E = Potable water supply index
- F = Density index

The indexes are calculated and assigned a weighted factor and then added together. Since density is the most important issue of onsite systems, it is given a reverse index and is the denominator.

The indexes are as follows:

Permeability Index		
Average permeability (from Table 16 of Volusia Soil Survey)	Index	Examples of soils
> 20" per hour	5	Astatula fine sand, Canaveral sand
6.0"-2.0"	4	Apopka fine sand, Myakka fine sand
2.0"-6.0"	3	Chobee fine sandy loam, Daytona sand
0.6"-2.0"	4	Myakka Variant fine sand, Gator muck
0.2"-0.6"	5	Bluff sandy clay loam

Note that the index is high for excessively drained and poorly drained soils. The actual permeability for a particular site depends as much upon the site as it does the soil type.

Water Body Index	
Proximity to surface water	Index
Adjacent to food production (shellfish harvesting)	5
Adjacent to protected waterways or public beaches	4
Adjacent area drains to surface water body	3
Not adjacent to (nor flows to) waters of concern	1

This index is high for parcels of land where a water body is adjacent and low for areas far from a water body. Ideally you would not want a septic system near a body of water where food is harvested such as clams and oysters.

Average Age of System Index	
Average age of system	Index
> 26 years	5
17 to 26 years	3
11 to 16 years	2
1 to 10 years	1

The age of the septic system is important due to the fact that newer septic systems would have a two compartment tank and a filter to help produce a better treated effluent.

Water Table Index	
Depth to water table	Index
Above ground surface	5
0" to 23"	4
24" to 35"	3
36" to 48"	2
>48"	1

The further the depth to the ground water under a septic system the lower the index is. More filtration of chemicals, nutrients and pathogens occur in dry soils under the septic system drainfield.

Potable Water Supply Index	
Potable water status	Index
Private wells used	5
Mixture of private wells and public water	3
Public water provided	0

Private potable water wells close to a septic system have a higher index. The farther away the well is from a septic system the less chance there is of contaminating the water supply. Normally large municipal wells are constructed away from septic systems and are drilled deeper than a private well.

Density Index	
Density (useable area)	Index
1 unit or less per acre	5
2 units per acre	4
3 units per acre	3
4 units per acre	2
5 units per acre	1
6 or more units per acre	0.5

A higher index rating is assigned to larger parcels of land with fewer septic systems per acre. An area that has six or more homes per acre (higher density) would have the smallest index rating.

Using this formula, the worst scenario would be:

$$\frac{5 + 5 + 5 + 5 + 5}{0.5} = 50.00$$

For example, a subdivision that has a soil (permeability index) which percolates extremely fast or slow, is adjacent to a shellfish harvesting water body, was built over 26 years ago, has a high ground water table, is served by individual private potable wells and has more than five homes per acre.

The best scenario would be:

$$\frac{3 + 1 + 1 + 1 + 0}{5.0} = 1.20$$

For example, a subdivision that has a medium percolating soil, not too fast or slow, is far away from any bodies of water, is ten years or less old, has a low ground water table, is served by municipal water supply which is protected by large setbacks to potential contaminants and has one home or less per acre.

Thus, the range will be between 1.20 and 50.00. The lower the score the better suited the area would be for septic use. The higher the score the better suited the area would be for central sewer use based on the use of this formula. Scores in the mid-range will tend to require more subjective investigation.

Narratives for the selected mapping units

1. Halifax Plantation: This subdivision, created in 1988, is located in northeast Volusia County. The soils are primarily Paola fine sand and Bulow sand. The lots in this subdivision are typically one-half acre. This subdivision is adjacent to Bulow Creek. Potable water is supplied by a community water distribution system.

Score: 3.0

2. U.S. Highway 1 and Hull Road south to Airport Road in Ormond Beach: This area consists of lots that are greater than one acre. The soils are primarily Myakka fine sand and Pomona fine sand. Potable water is supplied by private potable wells.

Score: 3.8

3. Village of Pine Run: This subdivision, created in 1978, is located north of U.S. Highway 1 in Ormond Beach. Lots in this area are typically greater than one acre. Potable water is supplied by private wells. The soils are mapped as Cassia fine sand and Myakka fine sand.

Score: 2.6

4. Tomoka Estates: This subdivision, created in 1958, is located on U.S. Highway 1 in Ormond Beach. This subdivision is adjacent to the Tomoka River. Potable water is supplied by private potable wells. For the purpose of this study, the area is being divided into two categories:

A) This area of the subdivision consists of one acre and one-half acre parcels, soils are mapped as Astatula fine sand and Bulow sand and estimated wet season water tables are greater than 72 inches below grade.

Score: 4.75

B) This area of the subdivision has a high lot density, the lots are adjacent to surface waters, the soils are poor and the majority of the lots have estimated wet season water tables within 23 inches of surface.

Score: 21.0

5. Plantation Pines Subdivision and adjacent areas: This subdivision, created in 1994, is located on State Road 40 in Ormond Beach. The lots in this subdivision and adjacent areas are greater than one acre. Potable water is supplied by private wells. The soils are mapped as Myakka fine sand, St. Johns fine sand, and several other flatwood soils.

Score: 3.8

6. Riverbend Acres: This subdivision, created in approximately 1978, is located south of State Road 40 in Ormond Beach. This subdivision consists of lots that are greater than one acre. Potable water is supplied by private wells. Soils in this area are mapped as Farmton fine sand.

Score: 3.8

7. Tomoka Farms Road area: This area, located in Daytona Beach, consists of lots that are typically greater than one acre. Potable water is supplied by private wells. Soils in this area are mapped as Pomona fine sand, Wauchula fine sand, Farmton fine sand, Myakka fine sand and other flatwood type soils.

Score: 3.8

High Score - Best Suited for Central Sewer

8. Daytona Highridge Estates and vicinity: This area includes Daytona Highridge Estates and north of U.S. Highway 92. Daytona Highridge Estates was created in approximately 1958. This subdivision consists of 0.17 acre lots. The area north of U.S. Highway 92 includes residential, commercial, and industrial lots. Potable water is supplied by both private wells and by a community water distribution system. Soils in this area are mapped as Myakka fine sand and Immokalee sand. The area has high water tables, poor soils and wet ditches.
Special Note: If central water were supplied to all lots, the index number would decrease to 24.
Score: 34.0

9. Daytona Estates and vicinity: This area includes Daytona Estates Subdivision, June Terrace and Nova Road. Daytona Estates Subdivision, created in 1955, is located on Nova Road in Daytona Beach. The lots within the subdivision are 0.15 acres. Both private wells and a community water distribution system supply potable water. June Terrace is made up of single family, residential lots and a mobile home park. Nova Road is made up of commercial strip malls, restaurants/bars and industrial lots. Soils in this area are mapped as Tusawilla fine sand and Daytona sand.
Score: 17.0

10. Ormond by the Sea: This area is comprised of numerous subdivisions dating back to the 1940s and 1950s. The area is located on the northern peninsula between the Halifax River and the Atlantic Ocean. For the purpose of this study, the area is being divided into three categories:

A) The majority of the lots located in this area of Ormond by the Sea are 0.17 acres in size. Potable water is supplied by a community water distribution system. Soils are mapped as Palm Beach/Paola Complex with estimated wet season water tables between 24 and 35 inches.
Score: 34.0

B) This area is similar to area A) above, however, the estimated wet season water tables are greater than 72 inches. There are no private potable wells and the majority of the lots are not directly adjacent to surface water. However, due to high lot density and numerous irrigation wells there is a high potential for nitrate contamination to the water table and surface waters.
Score: 30.0

C) This area consists of John Anderson Drive which is adjacent to the Halifax River. Potable water is supplied by a community water distribution system. Soils are mapped as Palm Beach-Urban land-Paola Complex with wet season water tables within 23 inches of the ground surface. Numerous homes that were originally built in the 1950's, 60's and 70's are being replaced with large, expensive single family homes. Due to limited area for drainfield installations, numerous aerobic treatment units have been installed along John Anderson Drive. Many septic system variance requests have been applied for in this area.
Score: 32.0

11. Tomoka View/Tanglewood Forest: This subdivision, created in approximately 1969, is located on State Road 40 in Ormond Beach. The lots in this subdivision are 0.22 to 0.25 acres in size. Soils in this area are mapped as Tavares fine sand. Potable water is supplied by a community water distribution system. This subdivision is adjacent to the Tomoka River.
Score: 6.5

12. Ponce Inlet: Lot size in this area is somewhat larger with three to four lots per acre. Potable water is supplied by a community water distribution system. Soils in this area are mapped as Palm Beach-Urban land-Paola Complex with estimated wet season water tables greater than 48 inches. Those lots that are adjacent to the Halifax River are mapped separately.
Score: 7.5

13. Holly Hill: The soils in this area are Paola fine sand and Astatula fine sand. Potable water is supplied by a community water distribution system. Lot density is high with the average lot approximately 0.17 acres in size. There are no private potable wells and the lots are not directly adjacent to surface water. However, there is high lot density and numerous irrigation wells.

Score: 24.0

14. Palm View and Sherri Boulevard are located on Nova Road in South Daytona: Soils in this area are mapped as Tuscawilla fine sand with estimated wet season water tables within 24 inches of ground surface. Potable water is supplied by private wells. Lot density is high with the majority of the lots approximately 0.17 acres. Several industrial lots are also located on these streets along with a mobile home park.

Score: 9.0

15. Pine Forest: This subdivision, created in 1959, is located east of Clyde Morris Boulevard in South Daytona. The soils in this area are mapped as Orsino fine sand and Paola fine sand. The potable water supply is provided by private wells. Lot density is average with approximately four lots per acre. Special Note: If a central water supply were provided to this subdivision, the index number would decrease to 14.

Score: 19.0

16. Broadwater: This subdivision is adjacent to the Tomoka River. Potable water is supplied by a community water distribution system. The residential lots within the subdivision are approximately 0.25 acres. Soils in this area are mapped as Tavares fine sand.

Score: 3.0

17. John Anderson Highway is an area located in Northern Volusia County. Lots are greater than one acre, soils are mapped as Paola fine sand and potable water is supplied by private wells. This area is adjacent to Bulow Creek and the Halifax River.

Score: 3.4

18. This area is located in Holly Hill. Potable water is supplied by a community water distribution system. Soils in this area are mapped as Tuscawilla fine sand with estimated wet season water tables within 23 inches of ground surface. Lot density is high with approximately four to five lots per acre; the majority of the lots are adjacent to wet ditches.

Score: 14.0

19. This area includes the Bellevue Avenue extension located in Daytona Beach. This area consists of commercial and industrial lots. Soils in this area are mapped as Pomona fine sand. A city sewer main and a city waterline are located on the south side of the road that serves the Daytona Flea Market. The majority of these properties will be required to connect to the sewer main when their onsite systems are in need of repair.

Score: 3.8

20. Frances Drive is located off of U.S. Highway 92 in Daytona Beach. The area consists of residential and industrial lots. The industrial lots have connected to a community water distribution system. However, the residential lots are still served by private potable wells. Soils are mapped as Pomona fine sand with estimated wet season water tables less than 23 inches below grade. If central water were supplied to all lots, the index number would decrease to 28.

Score: 38.0

21. North 40 Subdivision Area: This area is adjacent to the Tomoka River in Ormond Beach. For the purpose of the study, this area will be divided into two areas:

A) Potable water is supplied by a community distribution system. Soils in this area are mapped as Myakka fine sand with estimated wet season water tables less than 23 inches below grade.

Score: 7.0

B) Potable water is supplied by a community distribution system. Soils in this area are mapped as Apopka fine sand, Orsino fine sand, and Tavares fine sand with estimated wet season water tables greater than 48 inches below grade.

Score: 6.0

22. Twin River Estates: This subdivision is located on State Road 40 in Ormond Beach and is adjacent to the Tomoka River. Potable water is supplied by a community distribution system. There are two distinct areas in this subdivision:

A) The soils on the West Side of the subdivision are mapped as Apopka fine sand. This area has high lot density and surface waters.

Score: 11.0

B) The soils on the East Side of the subdivision are mapped as Quartzipsammments (filled area). The lots in this area of the subdivision are located on canals and are adjacent to surface water. The estimated wet season water tables are within 23 inches of the ground surface.

Score: 17.0

23. This area is located on Tymber Creek Road in Ormond Beach. Potable water is supplied by private wells. Soils in this area are mapped as Farnton fine sand and Tavares fine sand with water tables typically within 23 inches of ground surface. The lot density is not extremely high; however there are high water tables, poor soils and private wells. However, if a central water distribution system were provided to the area the index number would drop to 5.3.

Score: 7.0

24. This area is located in Holly Hill and is east of U.S. Highway 1. Potable water is supplied by a community water distribution system. The soils are mapped as Astatula fine sand and estimated wet season water tables are greater than 72 inches below grade. There is high lot density and numerous irrigation wells.

Score: 12.0

25. This area includes those lots that are located adjacent to the Halifax River, Wilbur by the Sea and Ponce Inlet. Potable water is supplied by a community water distribution system. Soils are mapped as Palm Beach-Urban land-Paola Complex and estimated wet season water tables are typically less than 35 inches below grade.

Score: 16.0

26. DeLeon Springs Area: This area is bounded by Audubon Avenue on the west, Ponce DeLeon Boulevard on the north, Fairport Avenue on the east and Davis Street on the south. The area is served entirely by private wells. This area is very close to DeLeon Spring.

Score: 5.25

27. U.S. Highway 11, 15A and 17 Triangle Area: This area is bounded by U.S. Highway 17 on the west, U.S. Highway 15A on the north and U.S. Highway 11 on the east and south. This area has a mixture of wells and community water supply. A large portion of the area has small lots with poor soil conditions.

Score: 8.0

28. Daytona Park Estates Subdivision: This area is bounded by Kepler Road on the west, U.S. Highway 92 on the north, 11th Avenue on the east and Larkspur Road on the south. The area is served entirely by private wells. The majority of the subdivision has poor soil conditions.

Score: 9.5

29. Lake Helen: This area is bounded by Interstate 4 on the west, Baxter Road on the north, Prevatt Avenue on the east and Kicklighter Road on the south. The area is served by community water supply.

Score: 6.0

30. West Highland Subdivision: This subdivision is bounded by Bishop Avenue on the west, 20th Street on the north, Hamilton Avenue on the east and 1st Street on the south. This area has small lots served by private wells and is very close to Blue Spring.

Score: 18.0

31. East Orange City: This area is bounded by Volusia Avenue on the west, Wisconsin Avenue on the north, Leavitt Avenue on the east and Holly Drive on the south. The area has good soil conditions and is served by community water.

Score: 7.0

32. West Orange City: This area is bounded by Hamilton Avenue on the west, New York Avenue on the north, Volusia Avenue on the east and Blue Spring Avenue on the south. The area has good soil conditions and is served by community water.

Score: 7.0

33. West DeBary: This area is bounded by Wilson Road on the west, Highbanks Road on the north, U.S. Highway 17 on the east and Sanford Avenue on the south. This older community has small lots served by private wells.

Score: 8.5

34. East DeBary: This area is bounded by U.S. Highway 17-92 on the west, Highbanks Road on the north, Interstate 4 on the east and Dirksen Drive on the south. This older community has small lots served by private wells and the area flows towards Lake Monroe and Gemini Springs.

Score: 10.0

35. Deltona NW: This area is bounded by Interstate 4 on the west, Howland Avenue on the north, Providence Boulevard on the east and Saxon Boulevard on the south. The area is served by community water supply.

Score: 5.0

36. Deltona NE: This area is bounded by Providence Boulevard on the west, Howland Boulevard on the north, Courtland Boulevard on the east and Fort Smith Boulevard on the south. The area is served by community water supply.

Score: 5.0

37. Deltona SW: This area is bounded by Interstate 4 on the west, Saxon Boulevard on the north, Providence Boulevard on the east and Doyle Road on the south. The area is served by community water supply.

Score: 6.0

38. Deltona SE: This area is bounded by Providence Boulevard on the west, Fort Smith Boulevard on the north, Courtland Boulevard on the east and Doyle Road on the south. The area is served by community water supply.

Score: 6.0

39. Osteen east of State Road 415: This area is bounded by Lemon Bluff Road, State Road 415, Shell Street and Dickson Avenue and is characterized by old development and individual potable wells.

Score: 3.2

40. Newton Road vicinity: This area is bounded by Newton Road, Dalford Road, Renner Road and Spruce Creek Road. This area is characterized by medium density, old development and poor soils. The area is almost entirely surrounded by development on municipal sewer.

Score: 6.0

41. Hewitt/Overlook vicinity: This area contains properties only on these two streets. This area is characterized by low density, medium age development and excessively well-drained soils. The area is adjacent to Spruce Creek, a water body currently under scrutiny for mitigation of its degraded ecosystem.

Score: 3.33

42. Bayview Drive (Bayshore Drive on some maps) vicinity: This area contains properties only on this street and is characterized by medium density, very old development, poor soils and a high water table. The area is adjacent to Turnbull Bay, a water body currently under scrutiny for mitigation of its degraded ecosystem.

Score: 3.33

43. Turnbull Bay Road 1200 block: This area contains properties from about 1190 to 1290 Turnbull Bay Road. This area is characterized by low density, old development, poor soils and a high water table. The development is 100 percent light industry.

Score: 3.5

44. Aqua Court vicinity: This area contains properties on Sea Street, Dee Street and Aqua Court. This area is characterized by high density, old development and poor soils. Many properties are located adjacent to small canals or wet ditches that comprise a vast drainage system that eventually reaches Turnbull Creek and Turnbull Bay. The area is almost entirely surrounded by development on municipal sewer.

Score 4.67

45. North Beach: This area contains properties on Dune Circle and Ocean Drive east of North Peninsula Drive. This area is characterized by very high density, old development and excessively well drained soils. The area is adjacent to the Indian River North, part of the system of Outstanding Florida Water Bodies that are currently under scrutiny for mitigation of their degraded ecosystems.

Score: 20.0

46. New Smyrna Beach west side: This area is bounded by West Canal Street, Milford Road, Wayne Avenue and Cherry Street This area is characterized by medium density, old development, poor soils and a high water table. The oldest development is also the highest density development within the area. The area is low-income and septic system repairs, when sought, are a severe economic burden to residents. The area is surrounded by municipal sewer.

Score: 6.0

47. Ellison Acres: This area is bounded by West Canal Street, Eddie Road and Jungle Road. This area is characterized by medium density, very old development and poor soils.

Score: 6.75

48. Glen Oaks: This area contains properties on Glen Circle and Glen Drive. This area is characterized by low density, medium age development, poor soils and a very high water table. Natural drainage throughout the area has been altered by the development in such a way that frequent flooding occurs in some places.

Score: 2.4

49. Oliver Estates: This area is bounded by Oliver Drive, Lydia Way and Patricia Drive This area is characterized by medium density, medium age development and poor soils.

Score: 2.7

50. Hammock Gardens: This area contains Wildwood Drive, Wild Orange Drive and Timberlane Drive. This area is characterized by medium density, medium age development, very poor soils and a very high water table.

Score: 2.7

51. Corbin Park: This area is bounded by Corbin Park Road, Bolton Road, Pine Island Drive and Doster Drive. This area is characterized by medium density, medium age development and very poor soils.

Score 2.38

52. Waterford Estates: This area is bounded by Glencoe Road, Old Mission Road, Eslinger Road and the unopened westward extension of Doster Drive. This area is characterized by low density, new development, very poor soils and a very high water table. Parts of this subdivision flood.

Score: 2.3

53. Edgewater Acres: This area is bounded by Tatum Boulevard, Elizabeth Street, Josephine Street and Park Avenue. This area is characterized by medium density, medium age development and poor soils.

Score: 3.88

54. South Air Park Road vicinity: This area is bounded by Air Park Road, Old Mission Road, West Park Avenue and 22nd Street. Properties on both sides of Oak Lane west of Old Mission Road are also included. This area is characterized by low density, medium age development, poor soils and a high water table. Commercial properties at the north end of Air Park Road are served by municipal sewer.

Score: 2.4

55. Juniper Drive vicinity: This area contains properties on 15th Street, 16th Street and the 1500 block of Juniper Tree Drive. This area is characterized by low density, poor soils and a high water table. The density is misleading, as a significant portion of development is multi-family. One-half of the septic systems in the area have failed since original construction. The area is surrounded by municipal sewer.

Score: 6.75

56. Saxon Drive vicinity: This area is bounded by Saxon Drive, South Atlantic Avenue and Sea Mist Drive. This area is characterized by medium density development and excessively well-drained soils. The area is adjacent to the Indian River North, part of the system of Outstanding Florida Water Bodies that are currently under scrutiny for mitigation of their degraded ecosystems. The area is surrounded by municipal sewer.

Score: 7.0

57. South Atlantic Avenue vicinity: This area is characterized by high density development and excessively well-drained soils. The easterly area is adjacent to public beaches on the Atlantic Ocean. The westerly portion includes Oak Tree Drive and Hillside Drive and drains to the Mosquito Lagoon. The area west of Saxon Drive and all of Hillside Drive are characterized by a high water table and poor soils. The area is surrounded by municipal sewer.

Score: 10.0

58. Cory Estates: This area contains properties on North and South Cory Drive. This area is characterized by medium density, medium age development and excessively well-drained soils. About one-half of properties lie on a deep water canal that leads to the Indian River North or are riverfront.

Score: 7.5

59. Waterway Park: This area is bounded by Poinciana Road, Godfrey Road, the Indian River and U.S. Highway 1. This area is characterized by medium density, medium age development and individual potable wells. The majority of lots within the area are located on canals that lead to the Indian River North, part of the system of Outstanding Florida Water Bodies that are currently under scrutiny for mitigation of their degraded ecosystems. Achieving proper setbacks from septic systems to surface water and potable wells is a problem for many lot owners. Some lots are unbuildable without a septic system variance.

Score: 6.5

60. Jones Fish Camp Road: This area contains properties located along Jones Road and is characterized by medium density, medium age development and individual potable wells. Some lots within the area are located on the Indian River North, part of the system of Outstanding Florida Water Bodies that are currently under scrutiny for mitigation of their degraded ecosystems.

Score: 3.8

61. Indian Harbor Estates: This area is bounded by Indian Creek Road, U.S. Highway 1, Ariel Road and the Indian River. This area is characterized by medium density and old development. The majority of lots within the area are located on canals that lead to the Indian River North, part of the system of Outstanding Florida Water Bodies that are currently under scrutiny for mitigation of their degraded ecosystems.

Score: 12.0

62. Mobile Village: This area is bounded by U.S. Highway 1, South Street, Brooks Circle and the F.E.C. Railroad. This area is characterized by high density development, individual potable wells and a high water table. The subdivision was originally approved for an investor-owned water supply. The water supply failed in the early eighties, and property owners were faced with no choice but to construct individual wells. Individual wells are consistently found within the current setback requirement to septic systems and in some cases the proximity of potable wells to a development project creates problems for the developer and for the health department.

Score: 17.0

63. Oak Hill west side: This area is bounded by West Halifax Avenue, Putnam Grove Road and Wyatt Street. This area is characterized by medium density, old development, poor soils, a high water table and individual potable wells. The oldest development is also the highest density development within the area. The area is low income and septic system repairs when sought, are a severe economic burden to residents.

Score: 6.0

64. Oak Hill: This area bounded by U.S. Highway 1, Palm Avenue, Canal Avenue and Church Street. This area is characterized by medium density, old development, poor soils and individual potable wells.

Score: 4.5

65. Quiet Place in the Country/Spruce Creek Farms: This area is bounded by Quiet Trail, State Road 415, Taylor Road and Spruce Creek and is characterized by poor soils, individual potable wells and a high water table.

Score: 3.4

66. Mango Tree Road and Flagler Avenue Vicinity: This area combines several smaller areas that lie in close proximity to each other. Included are properties lying along both sides of N. Mango Tree Drive, from the 300 block north to Park Avenue, and properties lying along N. Flagler Avenue, westerly of the F.E.C. Railroad. The density is misleading, as the area is mostly commercial and industrial. Establishments are not connected to the municipal sewer line.

Score: 2.4

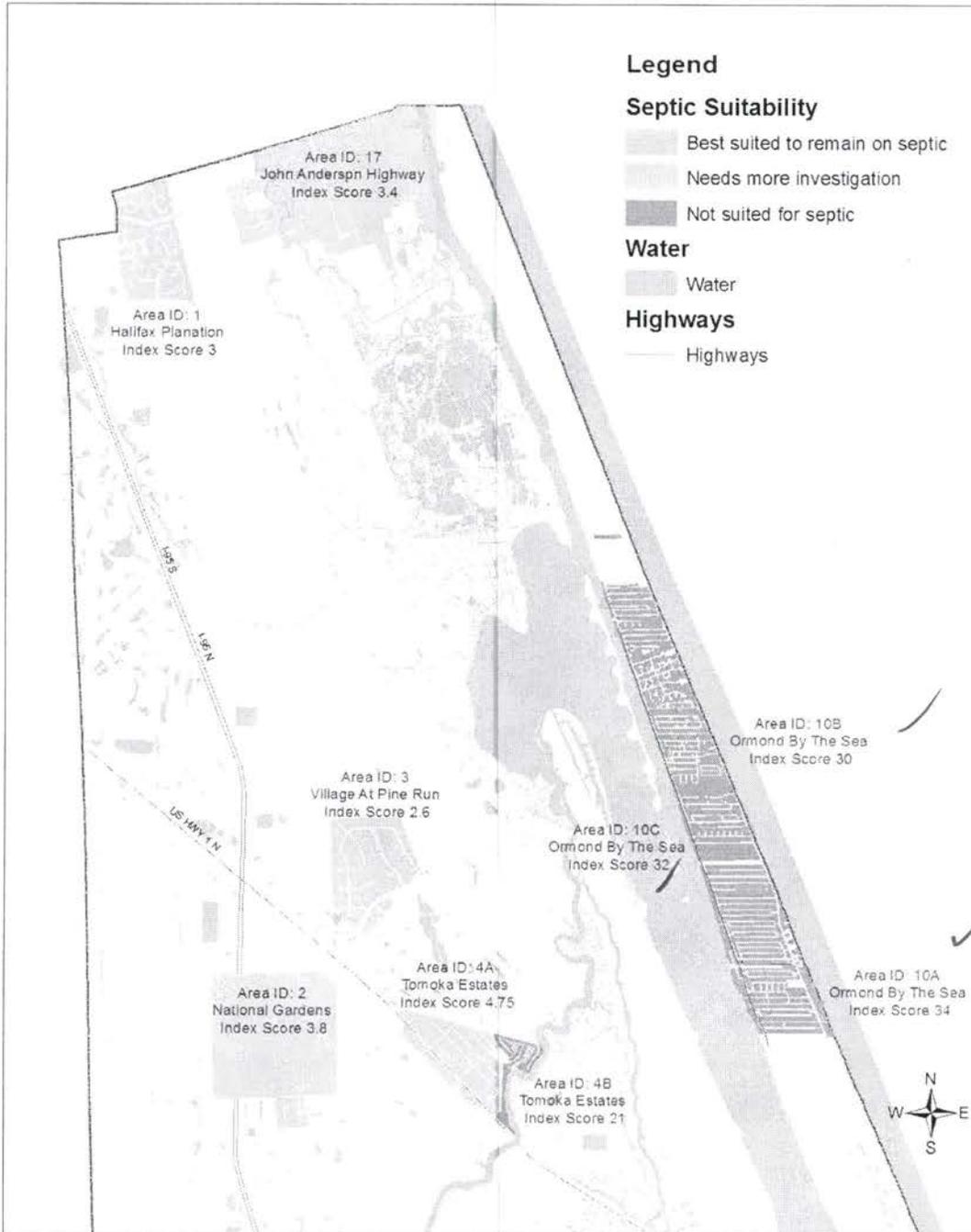
The table below has the areas ranked from lowest index score or better suited for septic system use to the highest score or better suited for central sewer use.

Area	Score
52.	2.30
51.	2.38
48.	2.40
54.	2.40
66.	2.40
3.	2.60
49.	2.70
50.	2.70
1.	3.00
16.	3.00
39.	3.20
41.	3.33
42.	3.33
17.	3.40
65.	3.40
43.	3.50
2.	3.80
5.	3.80
6.	3.80
7.	3.80
19.	3.80
60.	3.80
53.	3.88
64.	4.50
44.	4.67
4.A.	4.75
35.	5.00
36.	5.00
26.	5.25
21.B.	6.00
29.	6.00
37.	6.00
38.	6.00
40.	6.00
46.	6.00
63.	6.00

Area	Score
11.	6.50
59.	6.50
47.	6.75
55.	6.75
21.A.	7.00
23.	7.00
31.	7.00
32.	7.00
56.	7.00
12.	7.50
58.	7.50
27.	8.00
33.	8.50
14.	9.00
28.	9.50
34.	10.00
57.	10.00
22.A.	11.00
24.	12.00
61.	12.00
18.	14.00
25.	16.00
9.	17.00
22.B.	17.00
62.	17.00
30.	18.00
15.	19.00
45.	20.00
4.B.	21.00
13.	24.00
10.B.	30.00
10.C.	32.00
8.	34.00
10.A.	34.00
20.	38.00

The maps on the following pages are provided to give a general view of the specific areas that were evaluated.

Septic Suitability - North Ormond Vicinity, East Volusia County, FL 2013

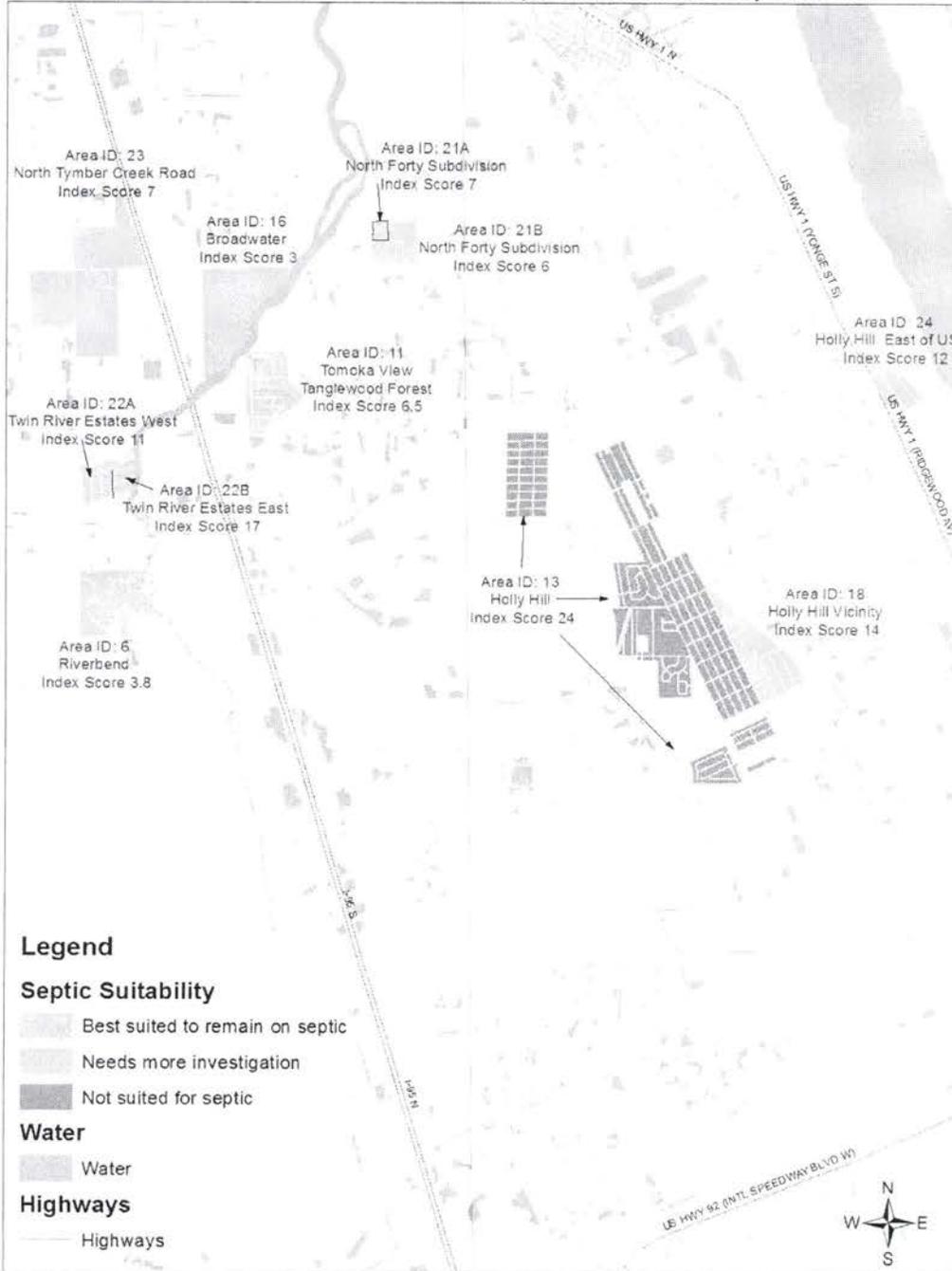


PRODUCTION: Florida Department of Health in Volusia County, Information Technology, September 2013

DATA SOURCES: Florida Department of Health in Volusia County

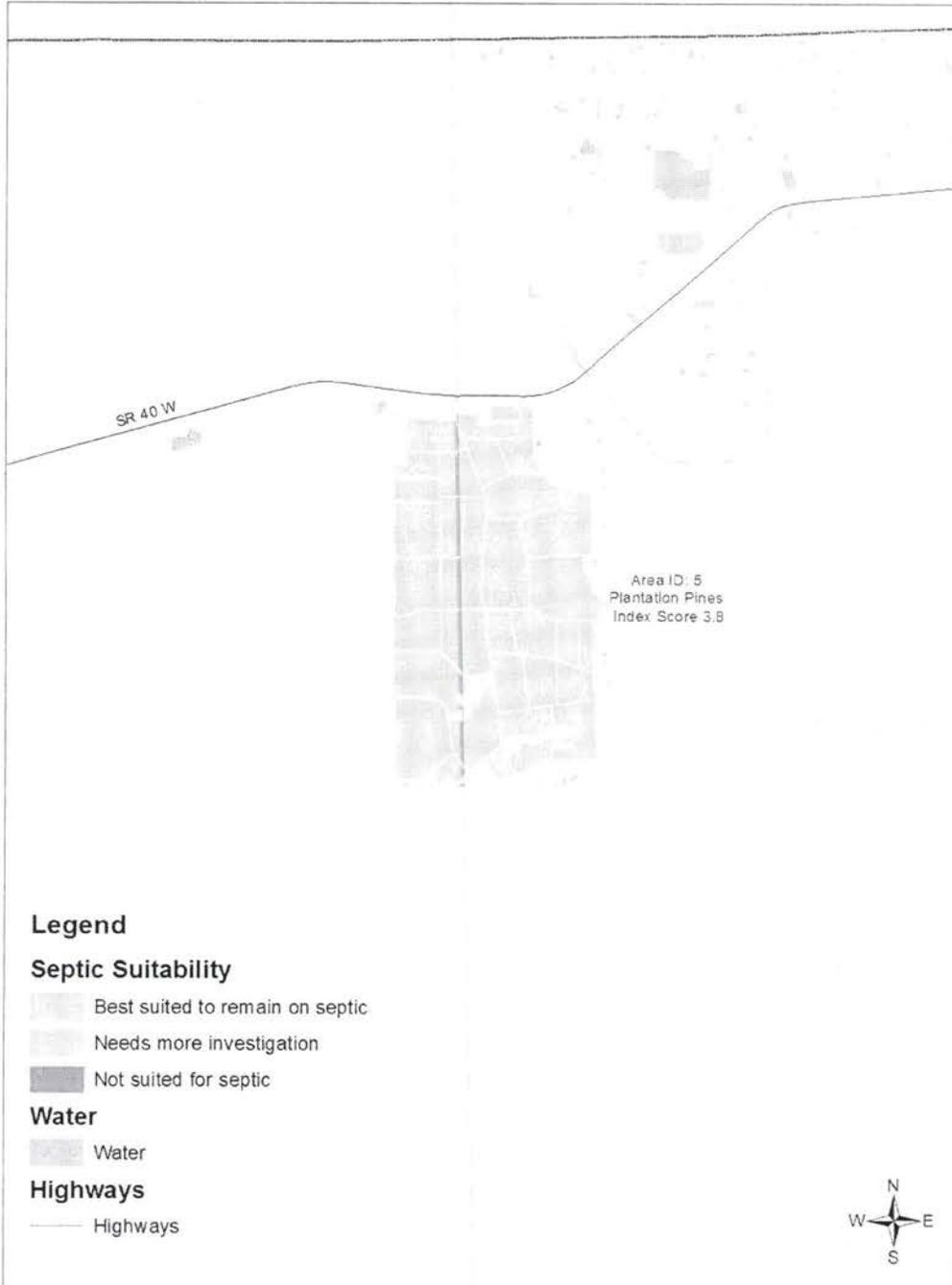
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Septic Suitability - South Ormond Vicinity, East Volusia County, FL 2013



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Septic Suitability - West Ormond Vicinity, East Volusia County, FL 2013

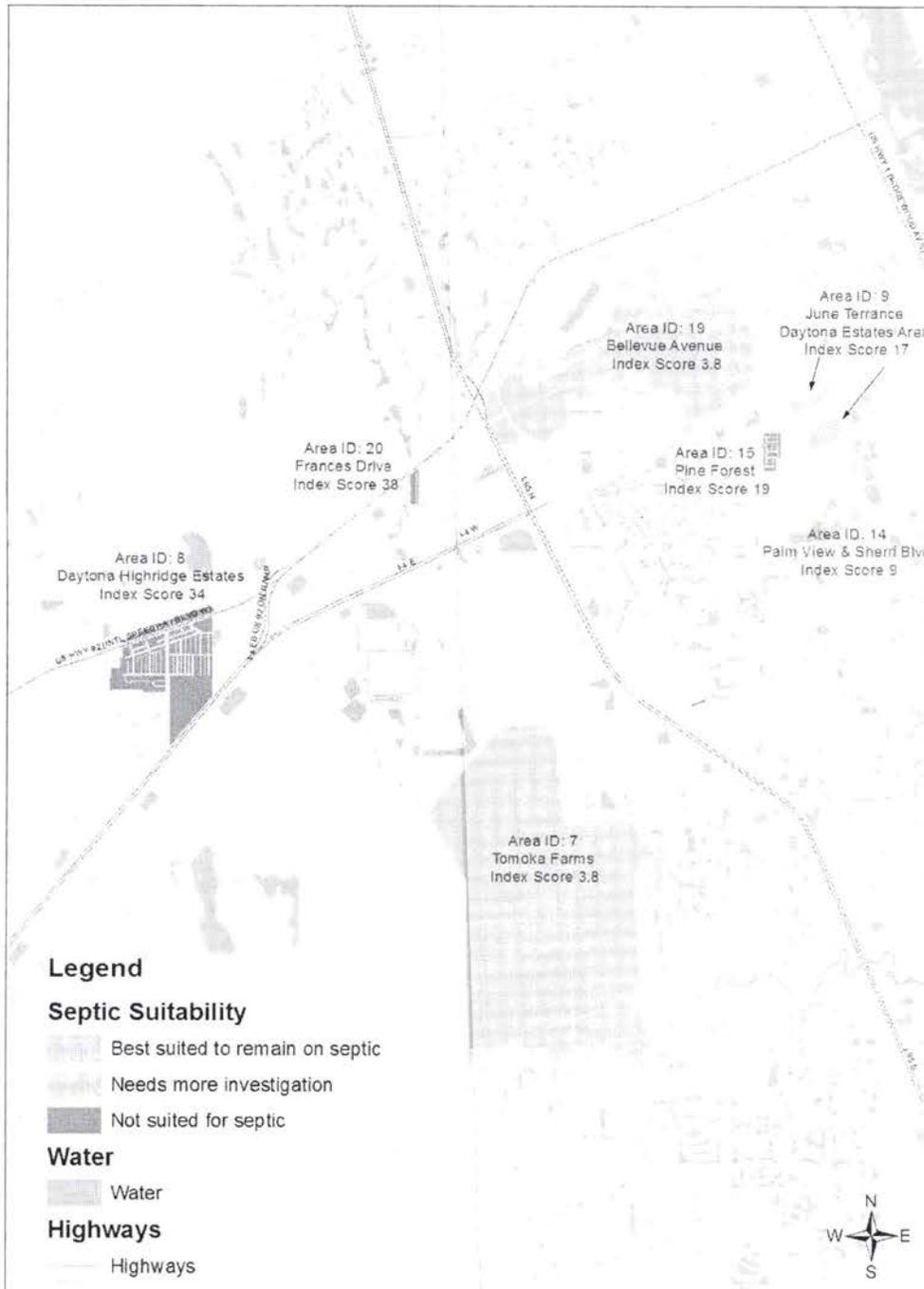


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Septic Suitability - Daytona Beach Vicinity, East Volusia County, FL 2013

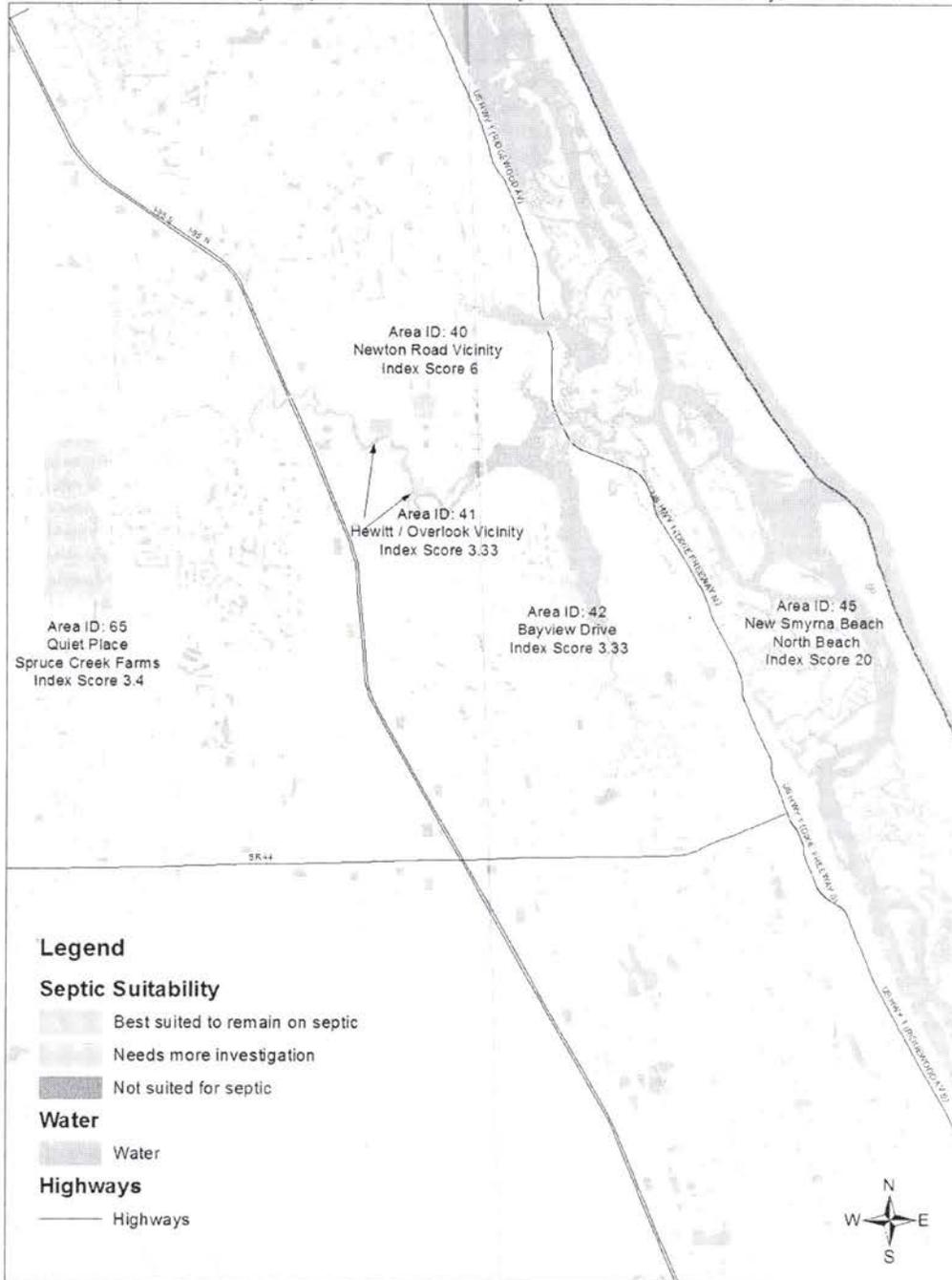


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Septic Suitability - Spruce Creek Vicinity, South Volusia County, FL 2013

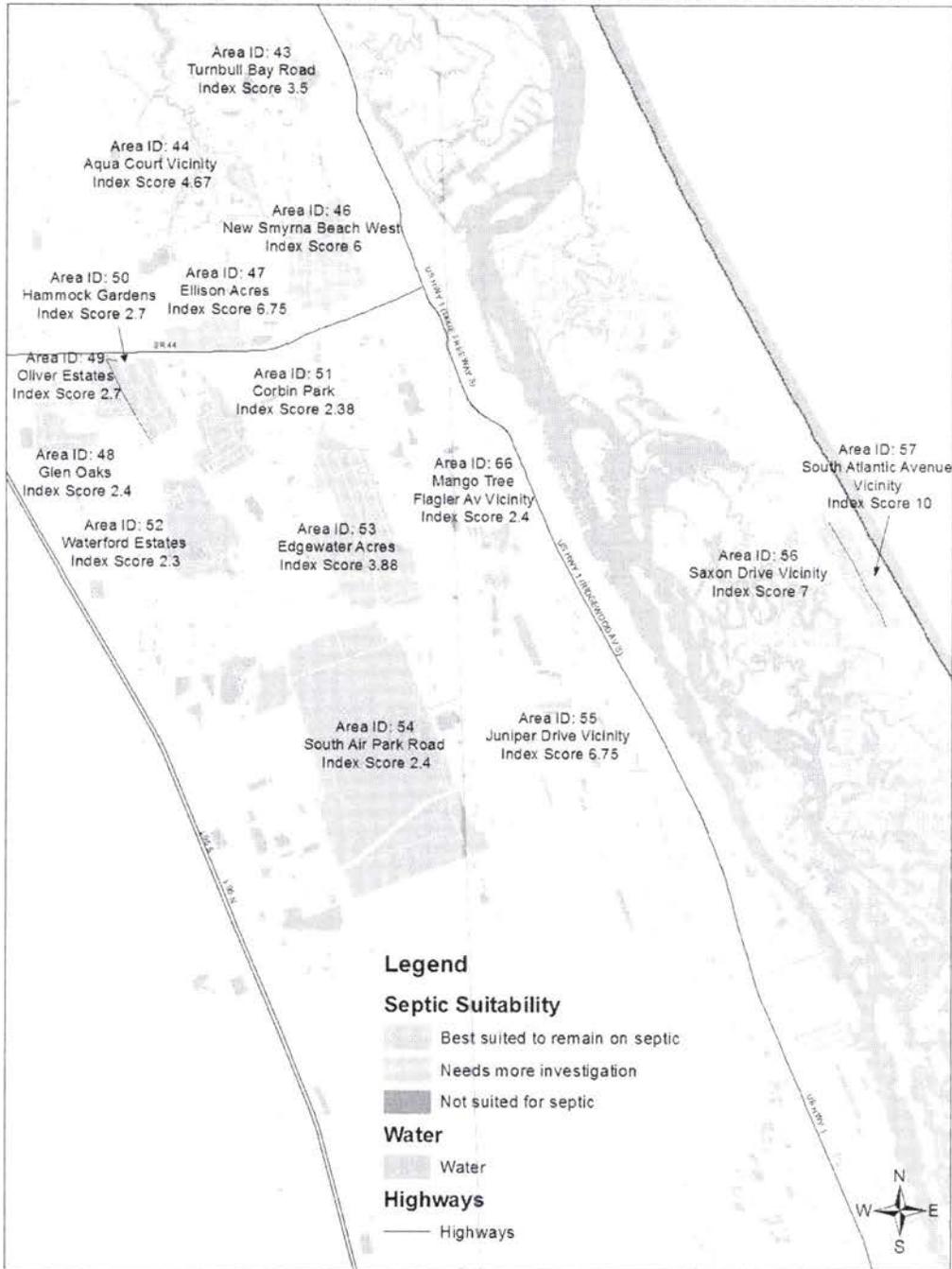


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Septic Suitability - New Smyrna Beach Vicinity, South Volusia County, FL 2013

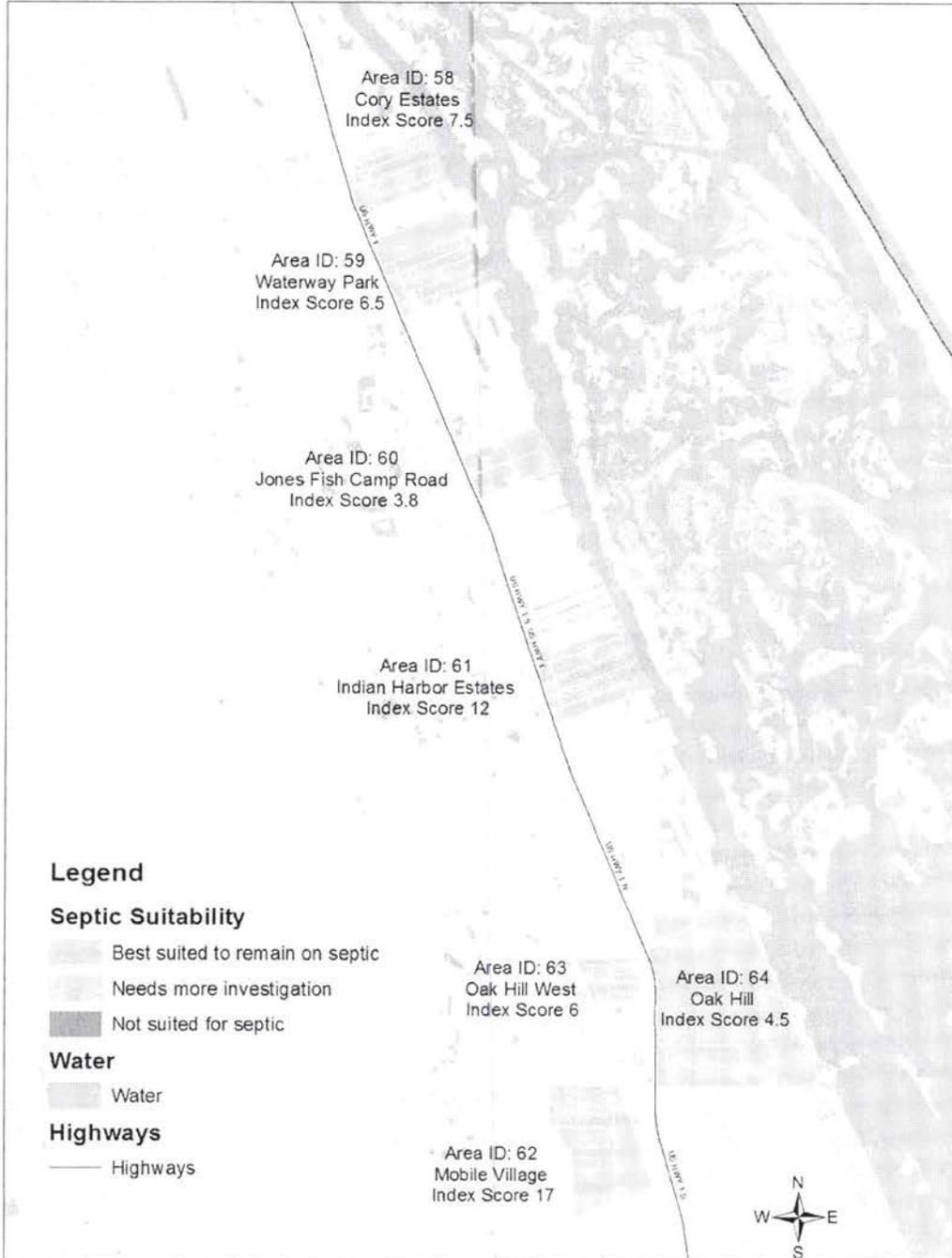


PRODUCTION: Florida Department of Health - Volusia County, Information Technology, September 2013

DATA SOURCES: Florida Department of Health - Volusia County

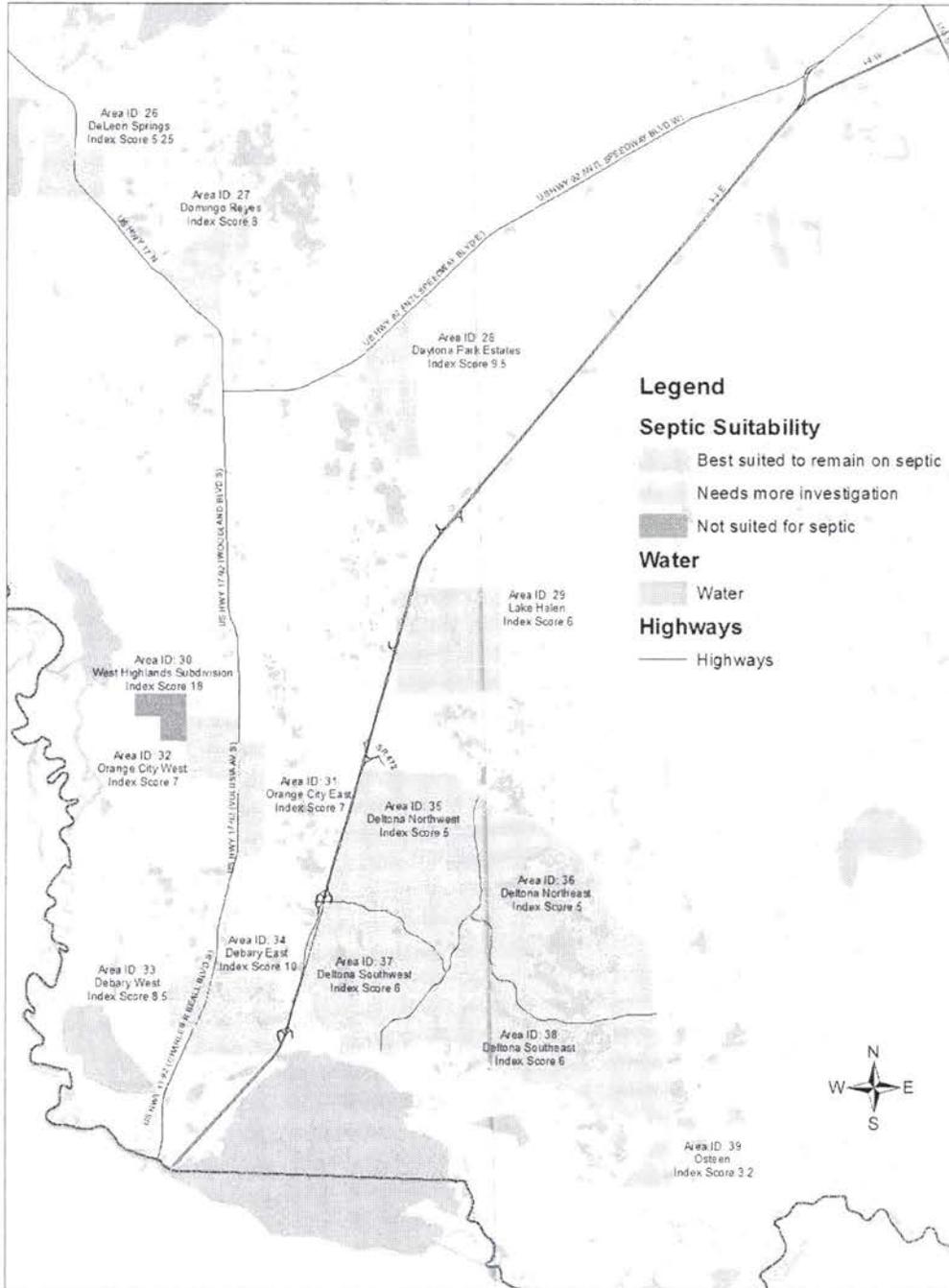
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Septic Suitability - Oak Hill Vicinity, South Volusia County, FL 2013



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Septic Suitability - West Volusia County, FL 2013



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DATA SOURCES: Florida Department of Health in Volusia County

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Exhibit B-1

The existing NPUC sewer connections, laterals, gravity sewers lift station and within certificated area force mains are at the proper capacity providing for peaking use and proper reserve capacity per DEP standards.

Presently the 210,000 gpd AADF wastewater treatment plant is limited by the percolation pond capacity at 181,000 gpd as a system by FDEP. The DMR's flow values are shown on Table B-1-1. The owners have reduced I/I in the system to a minimum amount. As shown on Table B-1-1 the existing annual average flows were 36,600 gpd for 2011, 46,250 gpd for 2012, 45,500 gpd for partial year 2013.

Presently the existing wastewater treatment plant and effluent percolation pond system is at approximately 25% of capacity with 600 units connected. We expect another 893 newly connected units to be accommodated by the existing facilities. We will waive the payment of any plant capacity fees for at least these new units. We would like to charge a transmission main extension fee of \$795 per unit, if approved by the FPSC.

The proposed transmission facilities have an engineer's cost estimate for these facilities at \$750,000.00 as shown on B-1-2. The design capacity of the proposed transmission facilities is an additional 893 or 900 units. The capacity is calculated as $893 \text{ units} \times 150 \text{ gpd/unit (Average for various types)} \times 5 \text{ peaking factor (due to seasonal nature of beachfront units and occupancy surges during certain times)} = 670,000 \text{ gpd Qpeak}$ for the 8-inch force main. The Qpeak velocity in the 8-inch force main would be 3.0 feet per second. The transmission system includes 2,000 linear feet of 4" HDPE, 7,500 linear feet of 6" HDPE, and 1,000 linear feet of 8" HDPE. This transmission system will discharge at the upgraded WWTP on-site pump station.

Table B-1-1
NPUC DMR's
(As provided to FDEP)

<u>Date</u>	<u>Average Monthly Flow</u>	<u>Plant/ED System Capacity (GPD)</u>
1/2011	N/A	210,000 / 181,000
2/2011	49,000 gpd	181,000
3/2011	N/A	181,000
4/2011	44,000 gpd	181,000
5/2011	44,000 gpd	181,000
6/2011	42,000 gpd	181,000
7/2011	40,000 gpd	181,000
8/2011	39,000 gpd	181,000
9/2011	37,000 gpd	181,000
10/2011	36,000 gpd	181,000
11/2011	35,000 gpd	181,000
12/2011	33,000 gpd	181,000
1/2012	39,000 gpd	181,000
2/2012	27,000 gpd	181,000
3/2012	39,000 gpd	181,000
4/2012	49,000 gpd	181,000
5/2012	45,000 gpd	181,000
6/2012	58,000 gpd	181,000
7/2012	65,000 gpd	181,000
8/2012	56,000 gpd	181,000
9/2012	49,000 gpd	181,000
10/2012	48,000 gpd	181,000
11/2012	40,000 gpd	181,000
12/2012	40,000 gpd	181,000
1/2013	43,000 gpd	181,000
2/2013	46,000 gpd	181,000
3/2013	47,000 gpd	181,000
4/2013	46,000 gpd	181,000

Annual Average 2011 – 36,600 gpd
 Annual Average 2012 – 46,250 gpd
 Partial Annual Average 2013- 45,500 gpd

(1) gpd – gallons per day

Table B-1-2 (a)

Engineer's Estimate of Capital Cost for Construction

<u>Description</u>	<u>Estimate</u>
PHASE 1 – 447 Units	
Upgrade WWTP L.S.	\$34,800
Upgrade Peninsula Winds L. S.	\$25,400
Upgrade Seabridge South L.S.	\$21,300
Upgrade Barrier Isle L.S.	\$15,500
Upgrade Sandpiper Ridge L.S.	\$26,000
Upgrade Capri Drive L.S.	\$40,000
	<hr/>
Subtotal	\$163,000
7,500 linear feet of 6" HDPE	\$187,500
1,000 linear feet of 8" HDPE	\$30,000
	<hr/>
Subtotal	\$217,500
Total Construction	\$380,500
Engineering, Permitting, Construction Services	\$57,100
Administration, Overheads, Other Costs	\$12,400
	<hr/>
Total Phase 1	\$450,000

Table B-1-2 (b)

Engineer's Estimate of Capital Cost for Construction

<u>Description</u>	<u>Estimate</u>
Phase 2 – 446 Units	
New Via Madrid L.S.	\$40,000
New Beau Rivage L.S.	\$40,000
New Dolphin L.S.	\$40,000
2,000 Linear Feet 4" HDPE	\$40,000
WWTP Upgrades	\$100,000
	<hr/>
Subtotal	\$260,000
Engineering, Permitting, Construction Services	\$39,000
Utility Administration / Other	\$1,000
Total Phase 2	\$300,000



B-2

12/9/11

Mailed

Florida Department of Environmental Protection
Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

ANNUAL REUSE REPORT

Part I - Instructions

1. This form is to be submitted on or before January 1 following the completion of each fiscal year (October 1 through September 30). Submittal is required by Rule 62-610.870, F.A.C. This report will be used to develop and maintain a reuse inventory. It will not be used for determination of compliance with permit limitations, other than requirements to submit this report. If flow monitoring information is not available for individual reuse types or types of users, please provide your best estimates of flows allocated to individual reuse types or types of users.
2. Submit one copy (including all attachments) to each of the following three addresses:
 - a. DEP Water Reuse Coordinator
Mail Station 3540
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
 - b. The appropriate DEP district office (attention Domestic Wastewater Program).
 - c. The appropriate water management district.
3. Please type or print legibly. Submit all pages of this form.
4. Completion of this report is required for all domestic wastewater facilities having permitted capacities of 0.1 mgd or larger which contribute reclaimed water to one or more reuse systems permitted under Chapter 62-610, F.A.C. This form is to be completed annually for each separate reuse system. For purposes of this form, "reuse system" means a network of pipes, pumping facilities, storage facilities, and appurtenances designed to convey and distribute reclaimed water from one or more domestic wastewater treatment facilities to one or more users of reclaimed water.
5. Use the units specified in the form. For flows, show annual average flows (in mgd). This can be obtained by averaging daily flows over a 365-day period, dividing the total annual volume by 365, or by averaging the 12 monthly average flow values.
6. Be sure to submit the required attachments (see Part X on pages 8 and 9 of this form).
7. The cover sheet of your permit will identify portions of your project classified as "reuse" and portions classified as "effluent disposal." Rule 62-610.810, F.A.C., lists the criteria for classifying projects (or portions of projects) as "reuse" or "effluent disposal."

Part II - General Information

1. Reporting Period: October 1, 2010 through September 30, 2011
2. Date Submitted December 7, 2011
3. Person Completing This Form
- Name Robert Hillman
- Title Vice President
- Organization North Peninsula Utilities Corp
- Mailing Address 115 E. Granada Blvd. Suite 12
- City/State/Zip Code Ormond Beach FL 32176
- Telephone (386) 677-7847
- E-mail developershu@gmail.com
4. Reuse System Name NONE
5. Domestic Wastewater Treatment Facilities Providing Reclaimed Water to This Reuse System

a. Location of Facilities

City Ormond Beach County Volusia

DEP District (check one):

- Northwest (Pensacola)
- Northeast (Jacksonville)
- Southwest (Tampa)
- Central (Orlando)
- Southeast (West Palm Beach)
- South (Ft. Myers)

Water Management District (check one):

- Northwest Florida (Havana)
- Suwannee River (Live Oak)
- Southwest Florida (Brooksville)
- St. Johns River (Palatka)
- South Florida (West Palm Beach)

b. Domestic Wastewater Treatment Facility Information

Enter the name of the facility, the DEP identification number, disinfection level,^a permitted capacity, and annual average flow for each treatment facility providing reclaimed water to this reuse system.

Facility Name	DEP Identification Number	Disinfection Level ^a	Permitted Capacity (mgd)	Average Flow (mgd)
North Peninsula Utilities	FLA 11188		181,000	110,000
Total Treated Wastewater				110,000

^a Enter one of the following codes for disinfection level for each treatment facility:

- HI = High-level disinfection, as described in Rule 62-600.440(5), F.A.C.
- IM = Intermediate disinfection, as described in Rule 62-600.440(6), F.A.C.
- BA = Basic disinfection, as described in Rule 62-600.440(4), F.A.C.
- LL = Low-level disinfection, as described in Rule 62-600.440(7), F.A.C.
- HB = High-level disinfection & basic disinfection for portions of the treated flow.
- FT = Full treatment disinfection, as described in Rule 62-610.563(3)(b), F.A.C.

Part III - Reclaimed Water and/or Effluent Available for Reuse or Disposal

Source of Water	Average Flow (mgd)
Treated Wastewater [Enter the total from bottom of table in Part II]	110,000
Supplemental Water Supplies (Enter the flow for each supplemental water source added by the utility)	
Surface Water	
Stormwater	
Ground Water	
Drinking Water	
Demineralization Concentrate (Blended with final reclaimed water only)	
Water Recovered from ASR ^b	
Total Water Available for Reuse or Disposal [Should equal the total in Part VI of this form]	110,000

^b Aquifer Storage and Recovery (ASR) - This activity is described in Rule 62-610.466, F.A.C. If you have an ASR system included in your permit for the reuse system, please make separate entries in both Part III (for the total average flow withdrawn from the ASR well) and in Part VI (for the total average flow injected into the ASR well).

Part IV - Reuse

For each reuse activity, enter the permitted capacity, average flows, and acreage. Do not duplicate any of these entries in Part V of this form. Using available flow records, other available information, and your best judgment, please allocate the average flows for all treatment facilities among the reuse types listed in this part. Make discrete entries (do not show ranges). Show totals at the bottom of the table.

Reuse Type	Reuse Sub-Type	Part	Capacity (mgd)	Flow (mgd)	Area (acres)
Public Access Areas & Landscape Irrigation	Golf Course Irrigation	III			
	Residential Irrigation	III			
	Other Public Access Areas	III			
Agricultural Irrigation & Sprayfields	Edible Crops (Be sure to attach the inventory of edible crop irrigation. See Part X of this form.)	III			
	Grass, Pasture, Other Crops	II			
Ground Water Recharge & Indirect Potable Reuse	Rapid Infiltration Basins (Including Some Perc Ponds) ^c	IV	181,000	100,000±	1±
	Absorption Fields ^c	IV			
	Surface Water Augmentation (Discharge to Class I Waters)	V			
	Injection to Potable Aquifers	V			
Industrial	At Treatment Plant	VII			
	At Other Facilities	VII			
Toilet Flushing		III			
Fire Protection		III			
Wetlands					
Other (Specify)					
Total Reuse [Enter total flow on Line 1 in Part VI of this form.]				110,000	

^c To be considered "reuse," either of the following conditions must exist:

* There are multiple basins or absorption fields that are routinely wetted, dried, and maintained in accord with Part IV of Chapter 62-610, F.A.C., or

* Continuously-loaded ponds must meet the higher treatment/disinfection requirements in Rule 62-610.525, F.A.C. If neither condition is met, the perc pond or absorption field is "effluent disposal" and should be recorded in Part V in this form (under "Other").

Part V - Effluent Disposal

For each effluent disposal activity, enter the permitted capacity and average flow. Do not duplicate any of these entries in Part IV of this form. Using available flow records, other available information, and your best judgment, please allocate the average flows for all treatment facilities among the effluent disposal types listed in this part. Make discrete entries (do not show ranges) for capacity and flow. Show totals at the bottom of the table.

Disposal Type	Disposal Sub-Type	Permitted Capacity (mgd)	Average Flow (mgd)
Surface Water Discharges	Ocean Outfall		
	To Coastal or Estuarine Waters		
	To Wetlands		
	To Other Surface Waters		
Deep Well Disposal			
Other (specify)			
Total Flow Disposed [Enter total flow on Line 2 in Part VI of this form.]			

Part VI - Summary of Reuse and Disposal

Reuse or Disposal Activity	Average Flow (mgd)
1. Reuse (From bottom of Part IV of this form)	
2. Effluent Disposal (From bottom of Part V)	
3. Flow Stored in ASR (See note ^b on ASR in Part III.)	
Total (Should equal the total in Part III of this form.) ^d	

^d The totals in Parts III and VI will not be equal if one of the following conditions exists (check as appropriate):

- The reuse system includes an ASR system and the amounts injected and withdrawn during the year differ.
- The reuse system includes one or more reuse activities in which reclaimed water is returned to the treatment facility after its use, where it is then available for reuse or disposal.

Part VII – Reuse Activities, Numbers of Customers, and Backup Discharges

1. How many single-family residences have reclaimed water service? _____
2. How many golf courses are irrigated using reclaimed water? _____
3. How many parks or playgrounds are irrigated using reclaimed water? _____
4. How many schools are irrigated using reclaimed water? _____
5. Is reclaimed water used to flush toilets? Yes No If yes, list locations where reclaimed water is used for toilet flushing. _____

6. Is reclaimed water used for fire protection? No Yes, in sprinkler systems
 Yes, in fire hydrants Yes, other (please describe) _____

7. How many cooling towers use reclaimed water from this reuse system? _____
8. List or describe any unique or unusual uses of reclaimed water. _____

9. Is there a surface water discharge that serves as a backup discharge for the reuse system?
 No Yes, a Limited Wet Weather Discharge permitted under Rule 62-610.860, F.A.C.
 Yes, permitted under the APRICOT Act [Section 403.086(7), F.S.]
 Yes, permitted under other rules governing surface water discharges
10. Do you require construction of reclaimed water piping in new residential or other developments?
 Yes No
11. Do you require connection to the reclaimed water system when reclaimed water service becomes available?
 Yes No

Part VIII – Cross-Connection Control Activities

Rule 62-610.469, F.A.C., imposes cross-connection control requirements on reuse systems permitted under Part III of Chapter 62-610, F.A.C. This includes requirements for the implementation of cross-connection control programs by all public water supply systems serving areas that are within the general reclaimed water service area. Color-coding, labeling, and separation distance requirements are included. In addition, inspections within the reclaimed water service area are required. For purposes of this form, "cross-connection" means a pipe-to-pipe connection between drinking water pipes and reclaimed water pipes.

1. Are all public water supply systems serving areas that are within the general reuse service area actively implementing and enforcing their cross-connection control programs? Yes No

Have all of these cross-connection control programs been accepted by the DEP or the approved county health department? Yes No

2. How many illegal cross-connections have been identified during the reporting period? _____

How many of these cross-connections have been eliminated? _____

Please, attach a description of identified cross-connections and efforts taken to eliminate them.

3. How many new connections were made to the reclaimed water system during the reporting period? _____

How many of the new reclaimed water connections were inspected at the time of initial connection? _____

4. How often are the reclaimed water connections of existing residential reclaimed water customers inspected (i.e., daily, weekly, monthly, annually)? _____

How often are the reclaimed water connections of existing non-residential reclaimed water customers inspected (i.e., daily, weekly, monthly, annually)? _____

5. In addition to the number of new connections inspected in Item 3 above, how many existing connections were inspected during the reporting period? _____

Part IX - Rates Charged for the Use of Reclaimed Water

Please, list the fees charged for the use of reclaimed water. Please do not enter wastewater or sewer charges. If reclaimed water is provided at no cost, enter zeroes in both blanks. If the fee structure includes both flat rate and gallonage charge components, make a positive entry in both spaces. Make all entries in the units shown.

1. How much do you charge a single-family residential customer (assume a 0.2-acre lot) for the use of reclaimed water?

Flat rate (\$/month/connection) _____

Gallonage charge (cents/1000 gal.) _____

2. How much do you charge non-residential customers, such as golf courses, (assume 0.1 mgd on a 50-acre site) for the use of reclaimed water?

Flat rate (\$/month/connection) _____

Gallage charge (cents/1000 gal.) _____

Part X - Required Attachments

Check, as appropriate, and attach the required documentation.

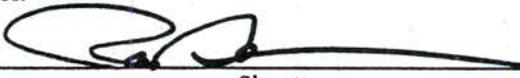
- Inventory of Edible Crop Irrigation** - If reclaimed water is used to irrigate edible crops at commercial agricultural sites, attach a copy of the current edible crop irrigation inventory as required by Rules 62-610.475 and 62-610.870, F.A.C. The inventory shall include the following information:
- Name of the agricultural operation.
 - Name and telephone number of the owner or operator of the agricultural operation.
 - Address of the agricultural operation.
 - Edible crops irrigated using reclaimed water.
 - Type of application (irrigation) method used.
 - Approximate area (acres) under irrigation using reclaimed water on which edible crops are grown.
- Inventory of Storage Facilities** - If this reuse system was permitted under Part III of Chapter 62-610, F.A.C., attach a copy of the current inventory of storage facilities, as required by Rules 62-610.464, 62-610.830, and 62-610.870, F.A.C. The inventory shall include the following information:
- Name or identifier for the storage system.
 - Location.
 - Function of the storage system (system storage or reject storage).
 - Type of facility (covered tank, uncovered tank, lined pond, unlined pond).
 - Indication of whether or not the storage facility is a water of the state or discharges to a water of the state.
 - Distance to the nearest public water supply well.
 - Distance to the nearest potable water supply well, which is not a public water supply well.
 - Volume of each storage tank/pond and the total storage volume of all storage tanks and ponds (in units of million gallons).
- Summary of Public Notification Program** - If this reuse system was permitted under Part III of Chapter 62-610, F.A.C., attach a summary of the public notification program activities during the reporting period, as required by Rule 62-610.468(6), F.A.C. The summary shall include the following:
- Details of written public notification activities (include copies of written notices).
 - Summary of activities involving the news media.
 - Use of advisory signs.
 - Other public notification activities.
- Summary of Metering and Rate Structure** - As noted in 403.064(16), Florida Statutes, utilities implementing reuse projects are encouraged to meter use of reclaimed water by all end users and to charge for the use of reclaimed water based on the actual volume used when such metering and charges can be shown to encourage water conservation. Metering and the use of volume-based rates are effective water management tools for the following reuse activities: residential irrigation, agricultural irrigation, industrial uses, landscape irrigation, irrigation of other public access areas, commercial and institutional uses such as toilet flushing, and transfers to other reclaimed water utilities. As required by 403.064(16), F.S., if this reuse system provides reclaimed water for any of the uses listed above, attach a summary of the utility's metering activities and the rate structure that the utility currently employs or plans to employ. The summary shall include the following:

- a. Number of meters employed to monitor volume of reclaimed water used by customers.
- b. If information is available, please provide per capita reclaimed water use for areas that meter and for unmetered areas. If available, please provide historical per capita usage data for before and after the utility began metering reclaimed water.
- c. Provide information on the type of rate structure (i.e., inclining or declining block rates) for reclaimed water employed by the utility.
- d. Provide a description of the utility's use of master meters (i.e., for a subdivision) or the use of individual meters (i.e., for single-family residential customers).
- e. Provide a summary of the utility's plans for metering reclaimed water customers.

None of these items are required for this reuse system.

Part XI - Permittee's Certification

I certify that the statements made in this report of reclaimed water utilization are true, correct, and complete to the best of my knowledge and belief.

Date: 12/7/11  _____

Signature

Phone: (386) 677-7847 Robert Hillman V.P.
Name and Title (please print/type)

Company Name: North Peninsula Utilities Corp

Address: P.O. Box 2803

City/State/Zip Code: Ormond Beach FL 32175

E-Mail: developershwa@gmail.com

DEP
Central District Office
Attn: Domestic Waste Water Program
3319 Maguire Blvd. Suite 232
Orlando FL 32803-3767

Exhibit B-3

The anticipated types of customers to be served are: single family homes, multi-unit single family and commercial.

Exhibit B-4

Attached is the Deed and Survey showing ownership by North Peninsula Utilities Corp.

SCHEDULE "A"

RESERVED PARCEL "A" according to the Plat of Seabridge, recorded in Map Book 34, Pages 174 and 175, of the Public Records of Volusia County, Florida, EXCEPTING that portion replatted for Lot 4, Block 7, SEABRIDGE 1ST ADDITION; SEABRIDGE SUBDIVISION, as recorded in Map Book 34, Pages 174 and 175, of the Public Records of Volusia County, Florida.

AND:

PARCEL "A", SEABRIDGE 1st ADDITION as recorded in Map Book 36, Pages 83 and 84, of the Public Records of Volusia County, Florida.

Both parcels being more particularly described as follows:

COMMENCE at the Northwest corner of said Parcel "A" of SEABRIDGE 1st ADDITION said point being the POINT OF BEGINNING; thence N 1° 58' 45" W 27.07 feet; thence S 88° 01' 15" W 28.00 feet; thence N 6° 40' 05" E 127.73 feet; thence N 66° 08' 24" W 100.00 feet to the Southerly right-of-way line of SEABRIDGE DRIVE, a 60 foot right-of-way being a point on a curve being concave to the Northwest having a radius of 177.00 feet a central angle of 5° 03' 18" and a chord bearing and distance of N 26° 36' 45" E 17.00 feet; thence Northerly along said curve 17.01 feet to a point of tangency; thence N 23° 51' 36" E 43.00 feet; thence departing said Seabridge Drive, S 66° 08' 24" E, 98.00 feet; thence N 31° 41' 20" E 67.03 feet; thence N 61° 21' 44" E 143.03 feet; thence N 74° 04' 02" E 61.76 feet; thence S 77° 31' 16" E 150.74 feet; thence S 59° 14' 38" E 65.22 feet; thence S 12° 10' 34" W 117.35 feet; thence S 1° 58' 45" E 156.00 feet; thence S 88° 01' 15" W 10.98 feet; thence S 29° 04' 30" W 86.05 feet to the Northerly right-of-way line of Sea Island Drive North, a 60 foot right-of-way and a point on a curve being concave to the South and having a radius of 145.00 feet, a central angle of 31° 03' 15" and a chord bearing and distance of N 76° 27' 08" W 77.63 feet; thence along said curve 78.59 feet to a point of tangency; thence S 88° 01' 15" W 115.23 feet to a point of curvature of a curve to the left having a radius of 205.00 feet and a central angle of 7° 55' 25"; thence along said curve 28.35 feet to a point of tangency; thence S 80° 05' 50" W 120.84 feet to a point of curvature of a curve to the right having a radius of 145.00 feet and a central angle of 7° 55' 25"; thence along said curve 20.05 feet to the Southeast corner of said Lot 4, Seabridge 1st Addition; thence departing said Northerly right-of-way line of Sea Island Drive, N 1° 58' 45" W 72.93 feet to the POINT OF BEGINNING.

SUBJECT TO zoning restrictions, prohibitions and other requirements imposed by governmental authority; restrictions and matters appearing on the plat or otherwise common to the subdivision; easements of record; taxes for year of Closing and subsequent years, all of which are Permitted Encumbrances provided, however, the Permitted Encumbrances do not prevent use of the Real Property for operation of the Facility.

SUBJECT TO Covenants, restrictions, easements and other limitations as set forth on the plat of Seabridge recorded in Map Book 34, pages 174 and 175; including but not limited to the following: Ormond Properties, Inc., retains ownership of and does not make any dedication of the area of the plat shown as reserved Parcel "A" (Interim Sewage Treatment Plant).

SUBJECT TO Grant of Easement from Ormond Properties, Inc., to Florida Power and Light Company recorded August 19, 1981 in Official Records Book 2291, page 703, Public Records of Volusia County, Florida.

BOOK PAGE
3360 0158
VOLUSIA CO. FL

SUBJECT TO Covenants, restrictions, easements and other
limitations as set forth on the plat of Seabridge 1st Addition,
as recorded in Map Book 36, pages 83 through 84, Public Records
of Volusia County, Florida.

121517

Exhibit B-5

ADDITIONAL SERVICE AREA

Lands in Sections 8, 9, 16, 17 & 21 in Township 13 South Range 32 East Volusia County Florida described as follows:

Commence at the intersection of the North line of said Section 21 with the centerline of Ocean Shore Boulevard (a/k/a SR A1A); Thence South 23° East along said centerline about 2106 feet to the South line of the Southerly 260 feet of the Northerly 660 feet (as measured along Ocean Shore Boulevard (a/k/a SR A1A)) of Government Lots 3 and 4 of said Section 21; thence North 88° East along said South line, about 70 feet to the west shoreline of the Atlantic Ocean and the POINT OF BEGINNING, said point also being the Southeast corner of Lot 22A Beau Rivage Shores per Map Book 25 page 57 of the public records of Volusia County Florida; thence South 88° West, along South line of said Beau Rivage Shores, about 1763 feet to the Southeast corner of land described in Official Records Book 5435 page 1566 of said public records; thence continue South 88° West, along the South line of said described land, about 90 feet to the South line of land described in Official records Book 5409 page 4159 of said public records; thence South 74° West, along said South line and its westerly projection 187 feet more or less to the West line of John Anderson Drive; thence South 16° East, along said West line, about 130 feet to the South line of Official Records Book 5179 page 1451 of said public records; thence South 71° West, along said South line, about 153 feet to the East shoreline of the Halifax River; thence meander Northwesterly, into said Section 16 and along said East shore, about 2,700 feet, to the North line of land described in Official Records Book 3498 page 1502; thence North 69° East, along said North line and it's easterly projection, about 138 feet to the West line of Seabridge South Subdivision per Map Book 37 page 160 of the aforementioned public records; thence South 21° East, along said West line, about 485 feet to the North line of said Section 21; thence North 88° East, along said North line, about 1749 feet to the West right of way line of Ocean Shore Boulevard (a/k/a SR A1A); thence North 22° West, about 1122 feet to the North line of said Seabridge South Subdivision; thence South 88° West, along said North line about 1746 feet to the East right of way line of John Anderson Drive; thence South 21° East, along said East line about 229 feet to the Easterly projection of the North line South of lands described in Official Records Book 4326 page 4950; thence South 69° West, along said projection and North line, about 136 feet to the East shoreline of the Halifax River; thence meander Northwesterly, along said East shoreline, about 1887 feet to the South line of land described in Official Records Book 6850 page 3538 of the aforesaid public records; thence North 85° East along said South

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line and its East prolongation about 174 feet to the East right of way of John Anderson Drive; thence South 20° East, along said East line about 217 feet to the South line of Peninsula Winds per Map Book 44 page 89 of said public records; thence North 88° East, along said South line, about 1410 feet to the West line of Las Olas Townhouse Condominium per Official Records Book 4190 page 2633; thence along said described Condominium land the following 3 courses; South 22° East, about 204 feet; North 87° East, about 147 feet; and North 22° West about 200 feet to the South line of the aforementioned Peninsula Winds Subdivision; thence continue North 22° West, along said East line of Peninsula Winds Subdivision, along the East line of Seabridge 1st Addition subdivision per Map Book 36 page 83 and along the East line of Seabridge subdivision per Map Book 34 page 174, about 2306 feet to the North line of said Seabridge subdivision; thence South 89° West, along said North line, about 1493 feet to the East right of way line of aforesaid John Anderson Drive; thence South 21° East, along said East line, about 546 feet; thence South 23° East, continuing along said East line, about 1007 feet to the East prolongation of the North line of lands described in Official Records Book 4722 page 1096 of the aforesaid public records; thence South 78° West along said prolongation and North line, about 246 feet to the East shoreline of the Halifax River; thence meander Northwesterly, along said East shoreline, through said Section 17 and into said Section 8, about 2756 feet to the South line of Lot 7 of John Anderson 4000 Subdivision per Map Book 46 page 89 of the aforesaid public records; thence North 74° East along said South lot line and its Easterly prolongation, about 178 feet to the East right of way line of John Anderson Drive at the West line of Coquina Key Unit 2 subdivision per Map Book 48 page 46 of the aforesaid public records; thence South 19° East along said East right of way line, West line of said Coquina Key and West line of Pelican Dunes Subdivision per Map Book 44 page 186 of said public records, about 677 feet to the South line of said Pelican Dunes subdivision; thence along said Pelican Dunes Subdivision the following 2 courses; North 88° East crossing into said Section 16 about 1268 feet; North 22° West crossing into said Section 9, about 558 feet, to South line of Coquina Key Unit 1 per Map Book 47 page 83; thence North 88° East along said South line about 138 feet to the West right of way line of Ocean Shore Boulevard (a/k/a SR A1A); thence North 22° West, along said West line about 1054 feet to the North line of said Coquina Key Unit 1, thence South 89° West along said North line and its westerly projection, about 1505 feet into the aforesaid Section 8 and to the East shoreline of the Halifax River; thence meander Northwesterly along said shoreline about 357 feet to North line of the North 325 feet of Government Lot 5 of said Section 8; thence South 89° East along said North line about 162 feet to the West right of way line of John Anderson Drive thence South 60° East, crossing said right of way, about 57 feet, to

the Northwest corner of the common area of Kingston Shores Phase I, a Condominium per Map Book 33 page 67 of the aforementioned public records; thence North 89° East, along said North line, 275 feet to the West line of land described in Official Records Book 4915 page 2649 of the aforesaid public records of Volusia County; thence along said deeded land the following 5 courses, North 0° East about 39 feet; North 90° East about 141 feet, North 0° East about 120 feet, North 89° East about 342 feet and South 01° East about 159 feet to the Westerly projection of the North line of said Kingston Shores; thence North 88° East along said projection and North line, about 700 feet to the West shoreline of the Atlantic Ocean in said Section 9; thence meander Southeasterly along said West shoreline, through said Section 16 and into said Section 21, about 9493 feet, to the POINT OF BEGINNING.

Less Out

Portions of Government Lots 1 & 2 in Section 21 Township 13 South, Range 32 East, lying East of John Anderson Drive; Lots 1 through 17 and Tract A of Barrier Isle Subdivision per Map Book 44 page 17 of the aforesaid public records: the East 45 feet of Lot 66 and all of Lot 67 of Atlantic Shores subdivision per Map Book 23 page 28 of said public records; and Lots 1 through 44 of Sandpiper Forest subdivision per Map Book 44 page 25 and the North 100 feet of the South 250 feet of the West 155 feet of Government Lot 2, Section 21 Township 13 South, Range 32 East that lies East of John Anderson Drive being more particularly described as follows:

Commence at the intersection of the North line of said Section 21 with the centerline of Ocean Shore Boulevard (a/k/a SR A1A); thence South 23° East along said centerline about 731 feet to the Easterly prolongation of the North line of Barrier Isles Subdivision per Map Book 44 page 17 of the aforesaid public records; thence South 88° West, along said prolongation about 48 feet to the West right of way line of Ocean Shore Boulevard (a/k/a SR A1A) and to the POINT OF BEGINNING; thence South 24° East along said West line about 720 feet to the South line of Sandpiper Forest per Map Book 44 page 25 of said public records; thence South 88° West, along said South line about 1867 feet to the East right of line of John Anderson Dr., thence North 14° West, along said East line about 255 feet to the westerly prolongation of the North line of said Sandpiper Forest; thence North 88° East along said prolongation and North line about 1674 feet to the West line of the East 45 feet of Lot 66 of Atlantic Shores per Map Book 23 page 28 of the aforesaid public records; thence North 22° West along said West line and it's northerly prolongation about 148 feet to the North right of way line of Marlin Drive; thence South 89° West along said North line about 125 feet to the point of curvature at the East right of way line of

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Barrier Isle Drive per Barrier Isle Subdivision, Map Book 44 page 17 of the aforementioned public records; thence Northwesterly, along said right of way line, along a compound curve a total distance of 233.11 feet to the North right of way line of said Barrier Isle Drive; thence South 88° West, along said North line about 1451 feet to the East right of way line of John Anderson Drive; thence North 17° West, along said East line, about 132 feet to the West prolongation of the North line of the aforementioned Barrier Isle; thence North 88° East along said North line about 1811 feet to the POINT OF BEGINNING.

The Additional Service area contains 205 Acres more or less

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TOTAL SERVICE AREA

Lands in Sections 8, 9, 16, 17 & 21 in Township 13 South Range 32 East Volusia County Florida described as follows:

Commence at the intersection of the North line of said Section 21 with the centerline of Ocean Shore Boulevard (a/k/a SR A1A) ; Thence South 23° East along said centerline about 2106 feet to the South line of the Southerly 260 feet of the Northerly 660 feet (as measured along Ocean Shore Boulevard (a/k/a SR A1A)) of Government Lots 3 and 4 of said Section 21; thence North 88° East along said South line, about 70 feet to the west shoreline of the Atlantic Ocean and the POINT OF BEGINNING, said point also being the Southeast corner of Lot 22A Beau Rivage Shores per Map Book 25 page 57 of the public records of Volusia County Florida; thence South 88° West, along South line of said Beau Rivage Shores, about 1763 feet to the Southeast corner of land described in Official Records Book 5435 page 1566 of said public records; thence continue South 88° West, along the South line of said described land, about 90 feet to the South line of land described in Official records Book 5409 page 4159 of said public records; thence South 74° West, along said South line and its westerly projection 187 feet more or less to the West line of John Anderson Drive; thence South 16° East, along said West line, about 130 feet to the South line of Official Records Book 5179 page 1451 of said public records; thence South 71° West, along said South line, about 153 feet to the East shoreline of the Halifax River; thence meander Northwesterly, along said East shoreline, through said Section 17 and into said Section 8, about 8262 feet to the South line of Lot 7 of John Anderson 4000 Subdivision per Map Book 46 page 89 of the aforesaid public records; thence North 74° East along said South lot line and its Easterly prolongation, about 178 feet to the East right of way line of John Anderson Drive at the West line of Coquina Key Unit 2 subdivision per Map Book 48 page 46 of the aforesaid public records; thence South 19° East along said East right of way line, West line of said Coquina Key and West line of Pelican Dunes Subdivision per Map Book 44 page 186 of said public records, about 677 feet to the South line of said Pelican Dunes subdivision; thence along said Pelican Dunes Subdivision the following 2 courses; North 88° East crossing into said Section 16 about 1268 feet; North 22° West crossing into said Section 9, about 558 feet, to South line of Coquina Key Unit 1 per Map Book 47 page 83; thence North 88° East along said South line about 138 feet to the West right of way line of Ocean Shore Boulevard (a/k/a SR

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A1A); thence North 22° West, along said West line about 1054 feet to the North line of said Coquina Key Unit 1, thence South 89° West along said North line and its westerly projection, about 1505 feet into the aforesaid Section 8 and to the East shoreline of the Halifax River; thence meander Northwesterly along said shoreline about 357 feet to North line of the North 325 feet of Government Lot 5 of said Section 8; thence South 89° East along said North line about 162 feet to the West right of way line of John Anderson Drive thence South 60° East, crossing said right of way, about 57 feet, to the Northwest corner of the common area of Kingston Shores Phase I, a Condominium per Map Book 33 page 67 of the aforementioned public records; thence North 89° East, along said North line, 275 feet to the West line of land described in Official Records Book 4915 page 2649 of the aforesaid public records of Volusia County; thence along said deeded land the following 5 courses, North 0° East about 39 feet; North 90° East about 141 feet, North 0° East about 120 feet, North 89° East about 342 feet and South 01° East about 159 feet to the Westerly projection of the North line of said Kingston Shores; thence North 88° East along said projection and North line, about 700 feet to the West shoreline of the Atlantic Ocean in said Section 9; thence meander Southeasterly along said West shoreline, through said Section 16 and into said Section 21, about 9493 feet, to the POINT OF BEGINNING. The Total service Area contains 345 Acres more or less

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TABLE 1 Revised

EXISTING SERVICE AREA

Portions of Government Lots 1 & 2 in Section 21 Township 13 South, Range 32 East, lying East of John Anderson Drive; Lots 1 through 17 and Tract A of Barrier Isle Subdivision per Map Book 44 page 17 of the aforesaid public records: the East 45 feet of Lot 66 and all of Lot 67 of Atlantic Shores subdivision per Map Book 23 page 28 of said public records; and Lots 1 through 44 of Sandpiper Forest subdivision per Map Book 44 page 25 and the North 100 feet of the South 250 feet of the West 155 feet of Government Lot 2, Section 21 Township 13 South, Range 32 East that lies East of John Anderson Drive being more particularly described as follows:

Commence at the intersection of the North line of said Section 21 with the centerline of Ocean Shore Boulevard; thence South 23° East along said centerline about 725 feet to the Easterly prolongation of the North line of Barrier Isles Subdivision per Map Book 44 page 17 of the aforesaid public records; thence South 88° West, along said prolongation about 50 feet to the West right of way line of Ocean Shore Boulevard and to the POINT OF BEGINNING; thence South 23° East along said West line about 715 feet to the South line of Sandpiper Forest per Map Book 44 page 25 of said public records; thence South 88° West, along said South line about 1870 feet to the East right of line of John Anderson Dr., thence North 18° West, along said East line about 260 feet to the westerly prolongation of the North line of said Sandpiper Forest; thence North 88° East along said prolongation and North line about 1830 feet to the West line of the East 45 feet of Lot 66 of Atlantic Shores per Map Book 23 page 28 of the aforesaid public records; thence North 22° West along said West line and it's northerly prolongation about 148 feet to the North right of way line of Marlin Drive; thence South 89° West along said North line about 125 feet to the point of curvature at the East right of way line of Barrier Isle Drive per Barrier Isle Subdivision, Map Book 44 page 17 of the aforementioned public records; thence Northwesterly, along said right of way line, along a compound curve a total distance of 233.11 feet to the North right of way line of said Barrier Isle Drive; thence South 88° West, along said North line about 1446 feet to the East right of way line of John Anderson Drive; thence North 18° West, along said East line, about 125 feet to the West prolongation of the North line of the aforementioned Barrier Isle; thence North 88° East along said North line about 2000 feet to the POINT OF BEGINNING.

Together With:

Lands in Sections 16 in Township 13 South Range 32 East Volusia County Florida described as follows:

Commence at the intersection of the South line of said Section 21 with the centerline of Ocean Shore Boulevard; thence South 88° West along said South line, about 50 feet to the POINT OF

BEGINNING; thence continue South 88° West along said South line about 1750 feet to the East right of way line of John Anderson Drive; thence North 21° West, along said East line about 485 feet to the Easterly prolongation of the North line of land described in Official Records Book 3498 page 1502 of the public records of Volusia County; thence South 69° West about 140 feet to the East shoreline of the Halifax River; thence meander Northwesterly along said shoreline, about 395 feet to the North line of land described in Official Records Book 4326 page 4950 of said public records; thence North 69° East along said North line about 135 feet to the West line of Seabridge South Subdivision per Map Book 17 page 160 of said public records; thence North 22° West along said West line about 212 to the North line of said Seabridge South Subdivision; thence North 88° East, along said North line about 1750 feet to the West line of Ocean Shore Boulevard; thence South 22° East about 1135 feet to the POINT OF BEGINNING.

Together with:

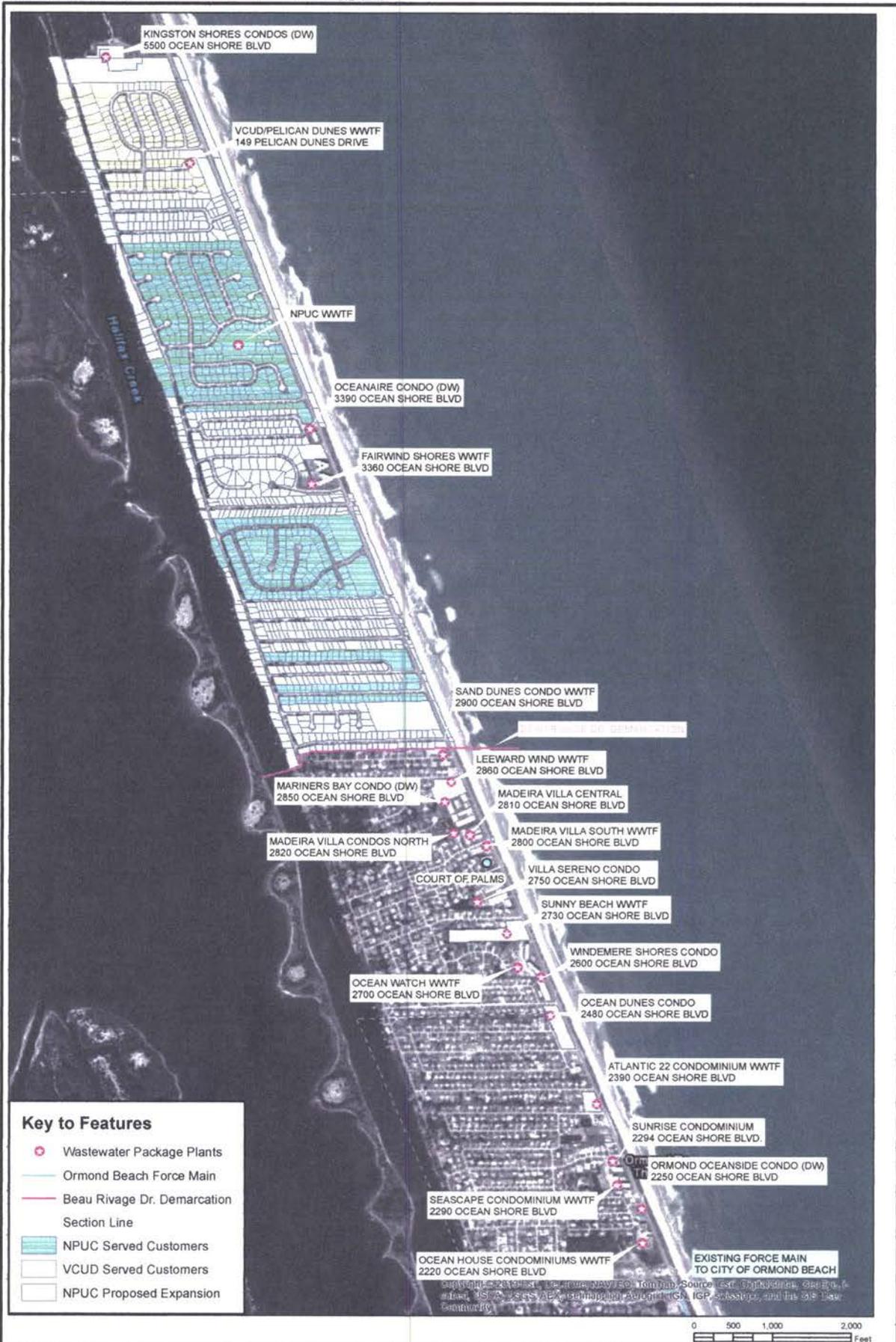
Land of Las Olas Townhouse Condominium per Official Records Book 4190 page 2633, Peninsula Winds Subdivision per Map Book 44 page 89, Seabridge Submission per Map Book 34 page 175 and Seabridge 1st Addition Subdivision per Map Book 36 page 84, all of the public records of Volusia County, along with other lands in Section 16 Township 13 South Range 32 East Volusia County Florida all as more particularly described as follows

Commence at the intersection of the South line of said Section 21 with the centerline of Ocean Shore Boulevard; thence North 23° West, along said centerline, about 2400 feet to East prolongation of the South line of said Las Olas Townhouse Condo; thence South 86° West; along said prolongation about 45 feet to the POINT OF BEGINNING; thence North 22° West along the East line of said described Las Olas lands, along said East line of Peninsula Winds Subdivision, along the East line of said Seabridge 1st Addition Subdivision and along the East line of said Seabridge Subdivision, about 2508 feet to the North line of said Seabridge subdivision; thence South 88° West, along said North line, about 1504 feet to the East right of way line of aforesaid John Anderson Drive; thence South 20° East, along said East line, about 550 feet; thence South 23° East, continuing along said East line, 1020 feet to the East prolongation of the North line of lands described in Official Records Book 4722 page 1096 of the aforesaid public records; thence South 78° West along said prolongation and North line, about 250 feet to the East shoreline of the Halifax River; thence meander Southeasterly along said East shoreline about 506 feet to the South line of land described in Official records Book 6850 page 3538 of said public records; thence North 84° East , along said South line, 175 feet to the East right of way line of John Anderson Drive; thence South 20° East along said East line about 217 feet to the South line of said Peninsula Winds Subdivision; thence North 88° East along said South line to the West line of the aforementioned Las Olas Townhouse Condominium;

B-5-8

thence South 21° East along said West line, about 205 feet to the South line of said described Las Olas Condominium; thence North 86° East, along said South line about 147 feet to the POINT OF BEGINNING.

The existing service area contains 140 acres.



1

FIGURE

NORTH PENINSULA
WASTEWATER TREATMENT

gai consultants
transforming ideas into reality.
618 E. South Street, Suite 700
Orlando, Florida 32801
Phone 407.423.8398 Fax 407.843.1070

B-6-1

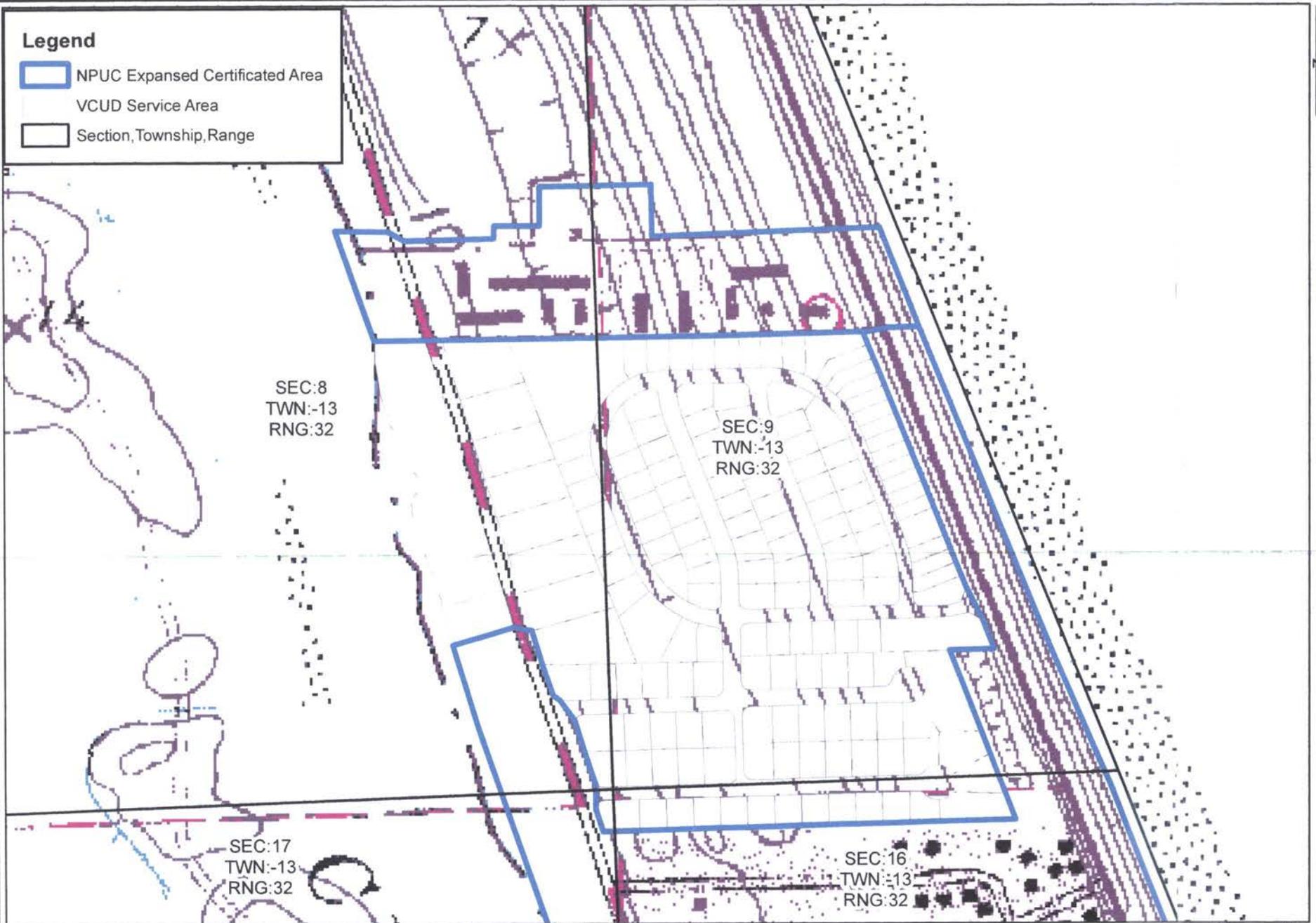


B-6-2

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Legend

-  NPUC Expanded Certificated Area
-  VCUD Service Area
-  Section, Township, Range

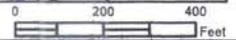


SEC:8
TWN:-13
RNG:32

SEC:9
TWN:-13
RNG:32

SEC:17
TWN:-13
RNG:32

SEC:16
TWN:-13
RNG:32

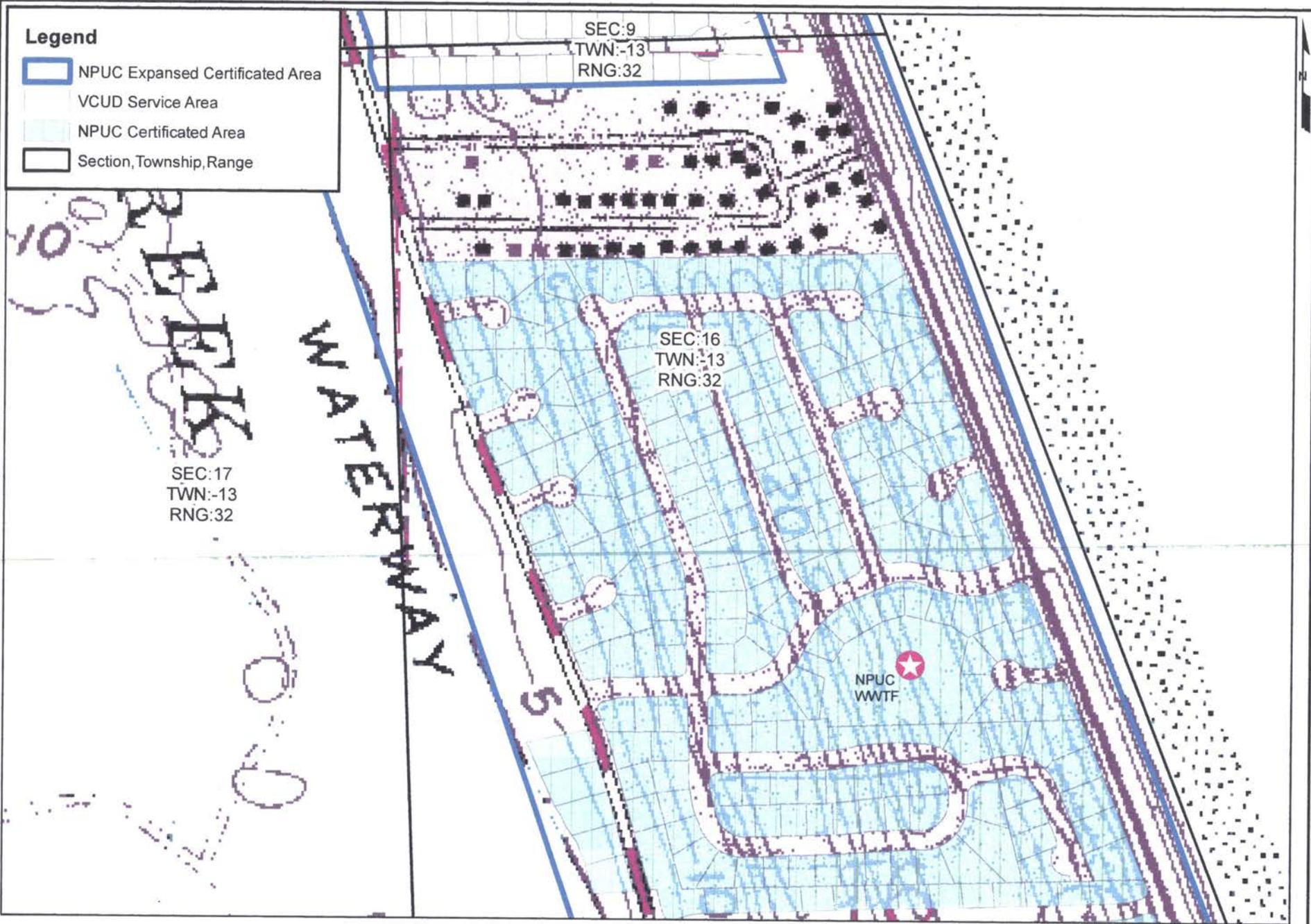


B-6-3

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Legend

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-  VCUD Service Area
-  NPUC Certificated Area
-  Section, Township, Range

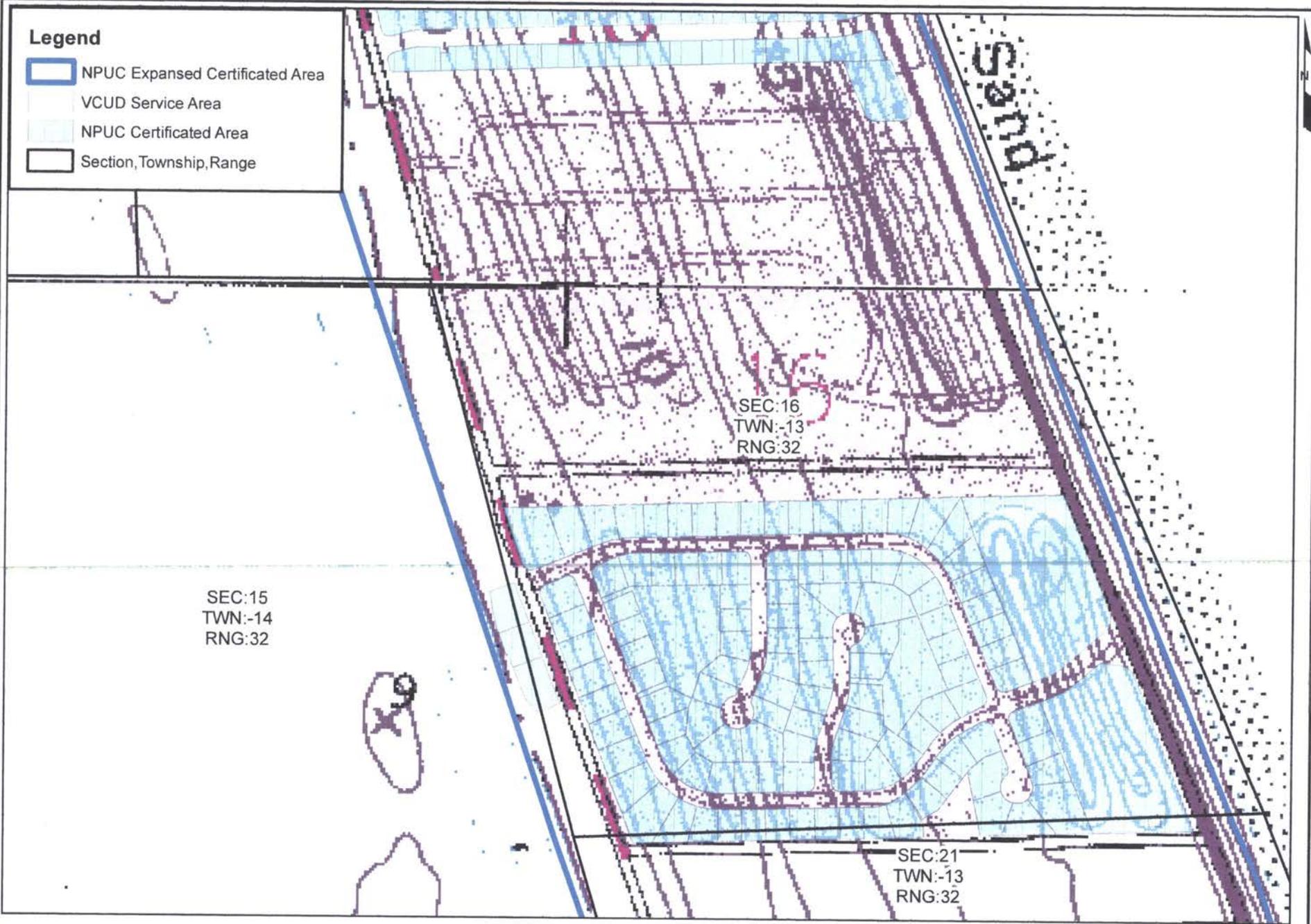


B-6-4

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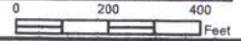
-  NPUC Expanded Certificated Area
-  VCUD Service Area
-  NPUC Certificated Area
-  Section, Township, Range



B-6-5

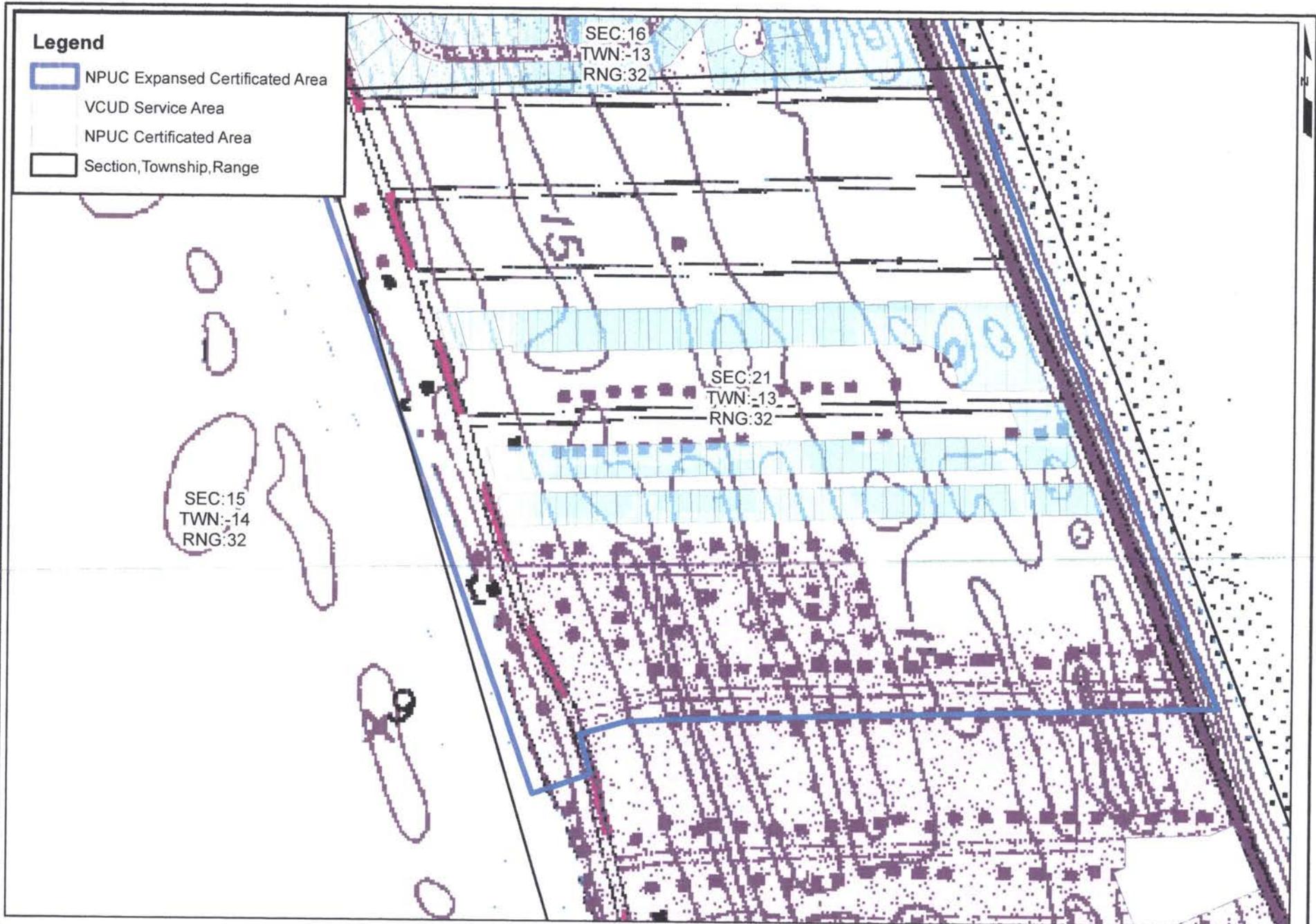
gai consultants
 transforming Ideas into reality_®
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 Orlando, Florida 32801
 Phone 407.423.8398 Fax 407.843.1070

MAPS OF EXPANDED SERVICE AREA



APPENDIX

B-3



B-6-6

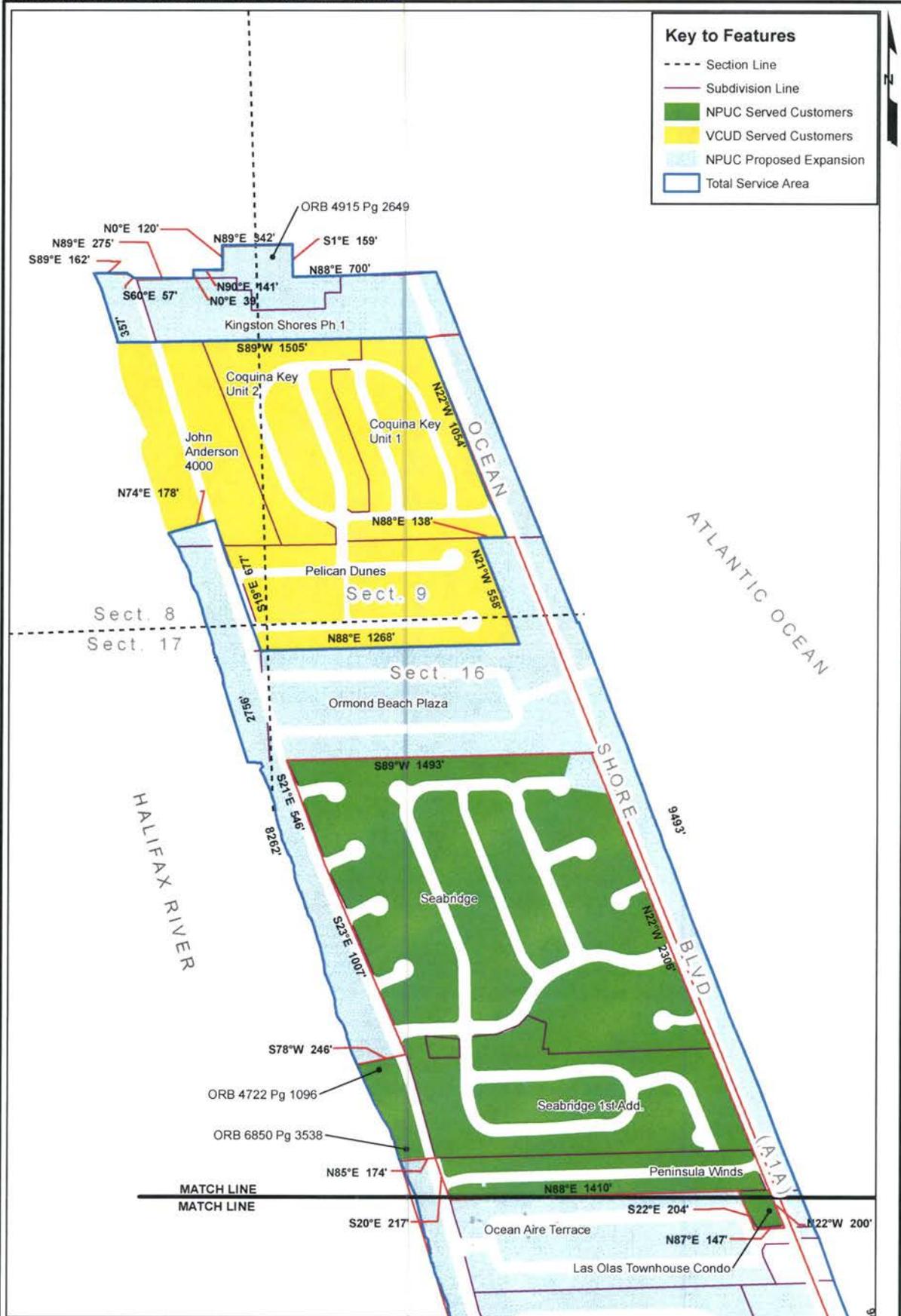
Exhibit C-1

NPUC has been the owner and operators of this treatment plant for the past 25 years. The owners have the financial ability to continue adequate and efficient service to our customers.

Wetherell Treatment Systems handles the day to day operation of the plant and has an excellent reputation and been in business 40+ years. Weems Septic handles all sludge removal and is available night and day for our service needs. Gerald Hartman P.E. will handle all of our utility management improvements, permitting, applications and government needs.

EXHIBIT B-7-1

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2A

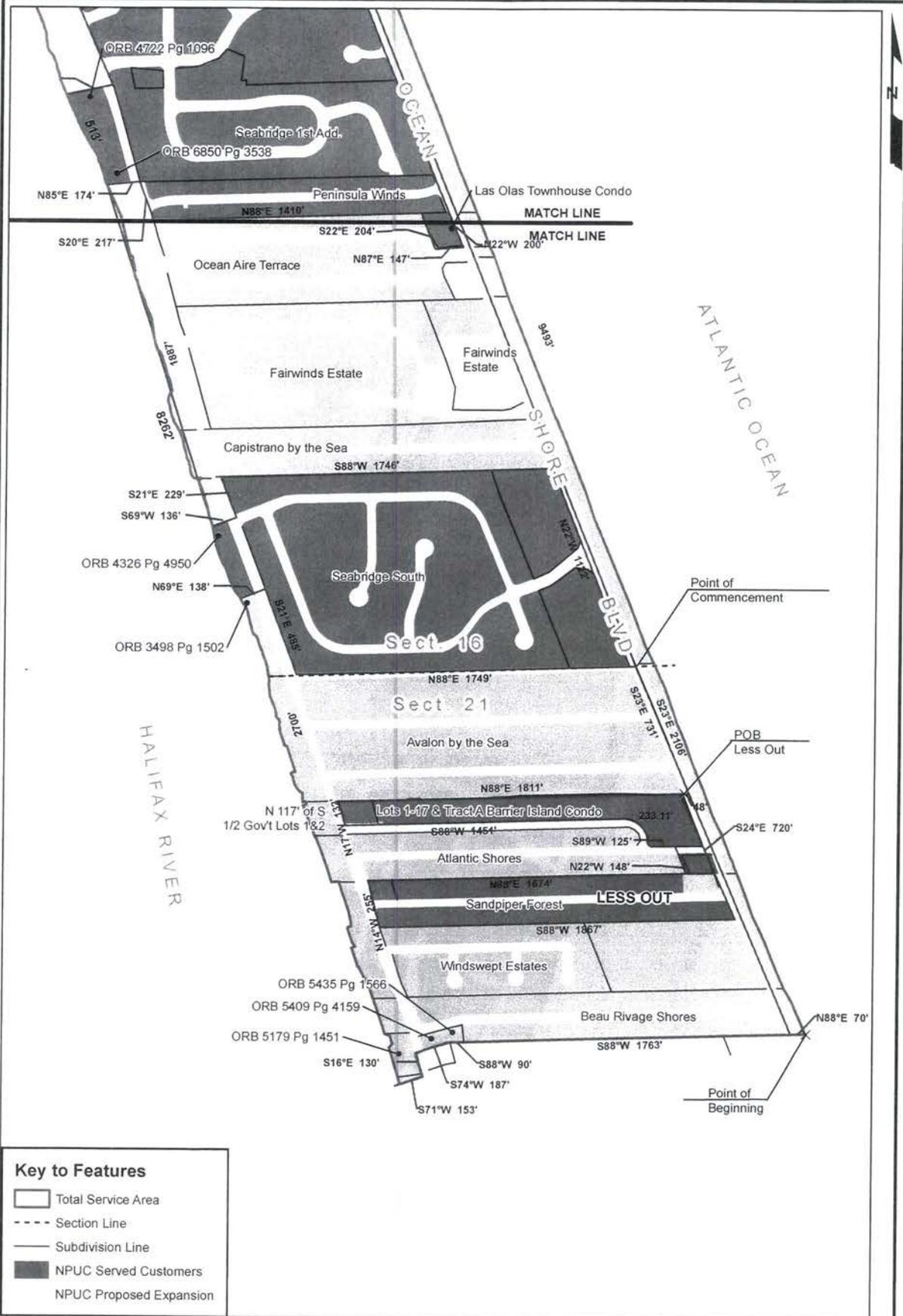
FIGURE

NORTH PENINSULA WASTEWATER TREATMENT

EXHIBIT B-7-2

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Key to Features

- Total Service Area
- Section Line
- NPUC Served Customers
- NPUC Proposed Expansion

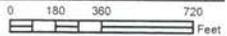


Exhibit C-2

The proposed method of financing the new construction would be as follows:

Phase 1 – Total \$450,000

1.) Loan	\$200,000
2.) Investment	130,750
3.) CIAC	150 new customers @ \$795/each = \$119,250

Phase 2 – Total \$300,000

Additional Investment by NPUC

1. Planning, Feasibility Analysis, Due Diligence, Preliminary Regulatory Review, Preliminary County Discussions, and Organizational Costs.
 - a.) GAI Consultants \$16,297
 - b.) NPUC costs \$16,500

Expended over the 12 months of 2012.

2. Preliminary Design, Hydraulic Analysis, Customer preliminary cost quotations, Permit Renewal and Studies, County field inspections and Terms and Conditions, FPSC Certificate Expansion Application.
 - a.) GAI Consultants \$20,290
 - b.) Application Fees \$ 7,000
 - c.) Sub-consultant fees \$ 3,500
 - d.) Contractor fees. \$11,000
 - e.) NPUC costs. \$18,500

Invested from 1/1 through 7/29/2014

Total NPUC investment over 19 months is \$93,087.

It is anticipated that without an objection to the certificate expansion application approximately \$100,000 will have been invested by NPUC for the above items.

NAME OF COMPANY NORTH PENINSULA UTILITIES CORP.
WASTEWATERTARIFF

LINE EXTENTION CHANGE

RATE SCHEDULE LE

- AVAILABILITY -
- APPLICABILTY - For commercial wastewater service for all purposes for A-1-A transmission system.
- LIMITATIONS - Subject to all the Rule and Regulations of this Tariff and General Rules and Regulations of the Commission.
- BILLING PERIOD - At execution of customer agreement
- RATE - \$795 per unit
- BASE FACILTY CHARGE - N/A
- TERMS OF PAYMANT - Bills are due payable when rendered and become delinquent if not paid within twenty (20) working days written notice is mailed to the customer, separate and apart from any other bill, service may then be disconnected.
- EFFECTIVE DATE - January, 2014
- TYPE OF FILING - New Customer Capital Charge (CIAC)

Tyree F. Wilson, Jr.
Issuing Officer

President
Title

NAME OF COMPANY
WASTEWATER TARIFFNORTH PENINSULA UTILITIES CORPORATIONRESIDENTIAL SERVICERATE SCHEDULE RS

AVAILABILITY - Available throughout the area served by the company

APPLICABILITY - For wastewater service for all purposes in private residences and individually metered apartment units or condominiums.

LIMITATIONS - Subject to all of the Rules and Regulations of this Tariff and General Rules and Regulations of the Commission.

BILLING PERIOD - Monthly

RATE - \$31.64 Flat Rate

BASE FACILITY CHARGE - N / A

TERMS OF PAYMENT - Bills are due and payable when rendered and become delinquent if not paid within twenty (20) days. After five (5) working days written notice is mailed to the customer, separate and apart from any other bill, service may then be discontinued.

EFFECTIVE DATE - May 15, 2013

TYPE OF FILING - 2012 Price Index

Tyree Wilson
ISSUING OFFICER

President
TITLE

TWENTYTH REVISED SHEET NO. 18.0
CANCELS NINETENTH REVISED SHEET NO. 18.0

NAME OF COMPANY
WASTEWATERTARIFF

NORTH PENISULA UTILITIES CORP.

RESIDENTAL SERVICE

RATE SCHEDULE RS

- AVAILABILITY - Available throughout the area served by the company
- APPLICABILTY - For wastewater service for all purposes
In private residences and individually metered apartment units or condominiums
- LIMITATIONS - Subject to all the Rule and Regulations of this Tariff and General Rules and Regulations of the Commission.
- BILLING PERIOD - Monthly
- RATE - \$32.16 flat rate
- BASE FACILTY CHARGE - N/A
- TERMS OF PAYMANT - Bills are due payable when rendered and become delinquent if not paid within twenty (20) working days written notice is mailed to the customer, separate and apart from any other bill, service may then be disconnected.
- EFFECTIVE DATE - April 1, 2014
- TYPE OF FILING - 2013 Price Index (estimated at 2%)

Tyree F. Wilson, Jr.
Issuing Officer

President
Title

FLORIDA PUBLIC SERVICE COMMISSION

Certificate Number
249-S

Upon consideration of the record it is hereby ORDERED
that authority be and is hereby granted to:

NORTH PENINSULA UTILITIES CORPORATION

Whose principal address is:

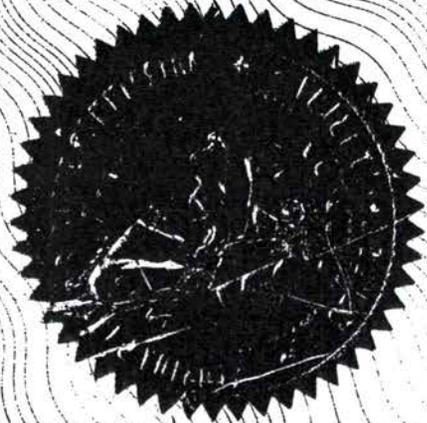
Post Office Box 2803
Ormond Beach, Florida 32175 (Volusia County)

to provide wastewater service in accordance with the provision of Chapter 367,
Florida Statutes, the Rules, Regulations and Order of this Commission in the
territory described by the Orders of this Commission.

This Certificate shall remain in force and effect until suspended, cancelled or
revoked by Orders of this Commission.

ORDER	8116	DOCKET	770595-S
ORDER	9365	DOCKET	800320-S
ORDER	22345	DOCKET	891016-SU
ORDER	24272	DOCKET	900659-SU
ORDER	PSC-96-0262-FOF-SU	DOCKET	951373-SU
ORDER	PSC-05-0426-FOF-SU	DOCKET	041301-SU

BY ORDER OF THE
FLORIDA PUBLIC SERVICE COMMISSION



Blanche E. Bay
Director

Division of Records and Reporting