

PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS  
AGENDA ITEM SUMMARY

Meeting Date:	July 12, 2016	<input checked="" type="checkbox"/> Consent	<input type="checkbox"/> Regular
		<input type="checkbox"/> Ordinance	<input type="checkbox"/> Public Hearing
Department:	Facilities Development & Operations		

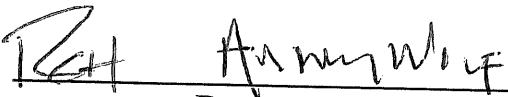

I. EXECUTIVE BRIEF

**Motion and Title:** Staff recommends motion to approve: a Second Amendment to Lease Agreement (R2002-1464) with Verizon Wireless Personal Communications L.P. for the continued use of the roof top of the Southern Region Water Reclamation Facility in Boynton Beach.

**Summary:** Since August 20, 2002, Verizon Wireless Personal Communications L.P. (Verizon) has operated and maintained wireless communication antennas and radio equipment on the rooftop of the Southern Region Water Reclamation Facility located at 12751 Hagen Ranch Road in Boynton Beach. The current extension option runs through August 19, 2017. The County and Verizon co-locate communications equipment on the rooftop. This Second Amendment allows both parties to install new equipment on the rooftop and modifies Exhibits "C" Equipment Specifications, "D" Rooftop Site Plan, "E" Photo Simulations, and "F" Frequencies. These modifications reflect proposed equipment changes permitting Verizon to modify its antenna's and its equipment cabinets to improve its 4G-LTE service and document modifications to the County's Water Utilities Radio System and adds new ISS Wi-Fi services. This Second Amendment also modifies the insurance, non-discrimination and public entity crimes provisions to comply with County policy. Each party is responsible to obtain all necessary permits and governmental approvals associated with its modifications and each party is responsible for the cost of their own equipment installation. There will be no service interruptions to the County's or Verizon's operations. WUD supports this amendment and will continue to have administrative responsibility for this Lease. All other terms of the Lease Agreement remain in full force and effect. (PREM) District 5 (HJF)

**Background and Justification:** The Lease Agreement with Verizon was approved on August 20, 2002 (R2002-1464). Verizon exercised its first option on August 21, 2007 (R2007-1316) extending the term of the Lease Agreement through August 19, 2012. On June 19, 2012 (R2012-0891) Verizon exercised its second extension option extending the Lease through August 19, 2017. On December 18, 2012 (R2012-1885) the Board approved the First Amendment adding three (3) additional antennas for Verizon and permitting equipment modifications by both parties. This Second Amendment permits modifications by both parties and updates the non-discrimination, insurance and the Public Entity Crimes provisions to comply with County policy. The modifications proposed for these amendments have been reviewed and approved by the Electronic Services and Security Division and the Water Utilities Department. Verizon is an entity registered with the Federal Securities Exchange Commission whose interest is for sale to the general public. Florida Statutes does not require that a Disclosure of Beneficial Interests be obtained.

- Attachments:**
1. Location Map
  2. Second Amendment

Recommended By:		6/16/16
	Department Director	Date
Approved By:		7/6/16
	County Administrator	Date

## II. FISCAL IMPACT ANALYSIS

### A. Five Year Summary of Fiscal Impact:

Fiscal Years	2016	2017	2018	2019	2020
Capital Expenditures	_____	_____	_____	_____	_____
Operating Costs	_____	_____	_____	_____	_____
External Revenues	_____	_____	_____	_____	_____
Program Income (County)	_____	_____	_____	_____	_____
In-Kind Match (County)	_____	_____	_____	_____	_____
NET FISCAL IMPACT	* <u>-\$0-</u>	=====	=====	=====	=====
# ADDITIONAL FTE POSITIONS (Cumulative)	_____	_____	_____	_____	_____
Is Item Included in Current Budget:	Yes _____ No _____				
Budget Account No:	Fund _____	Dept _____	Unit _____	Object _____	
	Program _____				

### B. Recommended Sources of Funds/Summary of Fiscal Impact:

Fixed Asset Number: N/A

### C. Departmental Fiscal Review: \_\_\_\_\_

\* No Fiscal Impacts

## III. REVIEW COMMENTS

### A. OFMB Fiscal and/or Contract Development Comments:

[Signature] 6/27/16  
OFMB 6/27/16

[Signature] 7/5/16  
Contract Development and Control 7/5/16

### B. Legal Sufficiency:

[Signature] 7/6/16  
Assistant County Attorney

### C. Other Department Review:

\_\_\_\_\_  
Department Director

This summary is not to be used as a basis for payment.

TWP 45

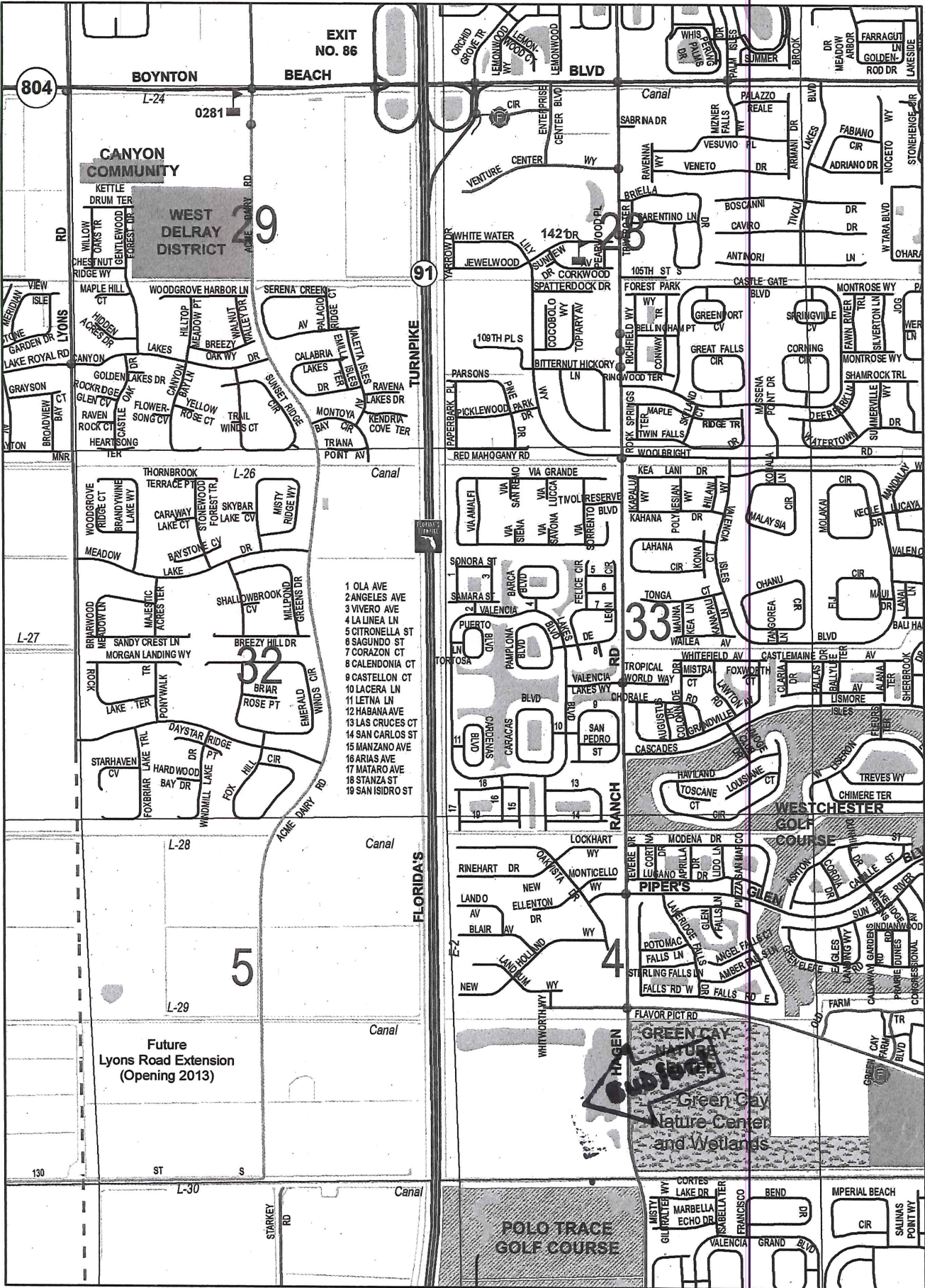
TWP 45

TWP 46

31

32

33



RNG 42

See pg 108

RNG 42

Attachment #1  
141

Attachment #2  
3 - Second Amendment to PBC  
Lease Agreement  
(16 pages each)



**SECOND AMENDMENT  
TO  
PALM BEACH COUNTY  
LEASE AGREEMENT**

**between**

**PALM BEACH COUNTY,**

**a political subdivision of the State of Florida**

**and**

**VERIZON WIRELESS PERSONAL COMMUNICATIONS LP,  
a Delaware limited partnership  
d/b/a Verizon Wireless**

**Exhibits:**

- Exhibit "C-2" - Equipment Specifications
- Exhibit "D-2" - Rooftop Site Plan
- Exhibit "E-2" - Photo Simulations
- Exhibit "F-2" – Frequencies

**SECOND AMENDMENT TO  
LEASE AGREEMENT**

**THIS SECOND AMENDMENT TO LEASE AGREEMENT** ("Second Amendment"), is made and entered into , by and between **PALM BEACH COUNTY**, a political subdivision of the State of Florida, hereinafter referred to as ("County"), and Verizon Wireless Personal Communications LP, a Delaware limited partnership d/b/a Verizon Wireless ("Tenant").

**WITNESSETH:**

**WHEREAS**, County and Tenant entered into that certain Lease Agreement dated August 20, 2002 (R2002-1464) (the "Lease"), for the installation, operation, and maintenance of Tenant's communications equipment on the rooftop of the Building as defined in the Lease, which facility is known as the Southern Regional Water Reclamation Facility and is situated on the County-owned property located at 12751 Hagen Ranch Road, Boynton Beach, Florida; and

**WHEREAS**, the First Amendment to the Lease Agreement (R2012-1885) allowed both parties to make additions and improvements to their antennae and equipment; and

**WHEREAS**, the current term of the Lease has been extended through August 19, 2017; thereafter, Tenant retains the option of extending the Lease for three (3) successive periods of five (5) years each; and

**WHEREAS**, both County and Tenant wish to increase the number of antennas, modify their respective communications equipment and frequencies, and replace Exhibits "C-1", "D-1", "E-1", and "F-1" of the Lease to reflect those modifications; and

**WHEREAS**, County wishes to modify certain other provisions and incorporate certain language into the Lease; and

**WHEREAS**, County and Tenant acknowledge that updated passing intermodulation studies were performed.

**NOW, THEREFORE**, in consideration of the mutual covenants and agreements hereinafter set forth, and various other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

1. The foregoing recitals are true and correct and incorporated herein by reference. All defined terms as used in this Second Amendment shall have the same meaning and effect as in the Lease.
2. Exhibit "C-1" of the Lease is hereby replaced with Exhibit "C-2" attached hereto and made a part hereof.
3. Exhibit "D-1" of the Lease is hereby replaced with Exhibit "D-2" attached hereto and made a part hereof.
4. Exhibit "E-1" of the Lease is hereby replaced with Exhibit "E-2" attached hereto and made a part hereof.
5. Exhibit "F-1" of the Lease is hereby replaced with Exhibit "F-2" attached hereto and made a part hereof.

6. Section 4.05 of the Lease, as amended, is hereby deleted in its entirety and replaced with the following:

**Section 4.05 Non-Discrimination.**

Tenant shall assure and certify that it will comply with Title VI of the Civil Rights Act of 1964, as amended, and ~~Palm Beach County Resolution No. R92-13, and~~ shall not discriminate against any individual on the basis of their race, color, national origin, religion, ancestry, sex, age, marital status, familial status, sexual orientation, gender identity or expression, disability, or genetic information with respect to any activity occurring under this Lease.

Tenant has submitted to County a copy of its non-discrimination policy which is consistent with the above paragraph, as contained in Resolution R-2014-1421, as amended, or in the alternative, has acknowledged through a signed statement provided to County that Tenant will conform to the County's non-discrimination policy as provided in R-2014-1421, as amended.

7. Section 6.07 of the Lease is hereby modified to change the mailing address for the Certificate(s) of Insurance to:

Tenant will deliver to Insurance Tracking Services, Inc. (ITS), County's authorized insurance consultant, a certificate of insurance with respect to each required policy to be provided by the Tenant under this Section. The required certificates must be signed by the authorized representative of the Insurance Company shown on the certificate.

Submit certificates of insurance to:

Palm Beach County  
c/o Insurance Tracking Services, Inc. (ITS)  
P.O. Box 20270  
Long Beach, CA 90801

Email: [pbcc@instracking.com](mailto:pbcc@instracking.com) or Facsimile: (562) 435-2999

Subsequently, Tenant shall, during the term of the Lease, and prior to each renewal thereof, provide such evidence to ITS at [pbcc@instracking.com](mailto:pbcc@instracking.com) or fax (562) 435-2999, which is Palm Beach County's insurance management system, with a copy to Palm Beach County, Property & Real Estate Management, Attention Leasing, 2633 Vista Parkway, West Palm Beach, Florida 33411-5605. In the event coverage is cancelled or not renewed during the term of this Lease, Tenant shall endeavor to provide to County a minimum thirty (30) day prior written notice of cancellation or non-renewal of coverage.

8. Section 16.20 of the Lease, as amended, is hereby deleted in its entirety and replaced with the following:

**Section 16.20 Public Entity Crimes**

As provided in Section 287.132-133, Florida Statutes, a person or affiliate who has been placed on the State of Florida convicted vendor list following a conviction for a public entity crime may not submit a bid for a period of thirty-six (36) months from the date of being placed on the convicted vendor list. By entering into this

Lease or performing any work in furtherance hereof, Tenant certifies that it, its affiliates, suppliers, subcontractors and consultants who will perform hereunder, have not been placed on the convicted vendor list maintained by the State of Florida Department of Management Services within the thirty-six (36) months immediately preceding the effective date hereof. This notice is required by Section 287.133(3)(a), Florida Statutes.

9. Tenant represents that it is an entity registered with the Federal Securities Exchange Commission whose interest is for sale to the general public, and therefore, it is exempt from disclosing its beneficial interest pursuant to Section 286.23 (3) (a) Florida Statutes.

10. Except as modified by this Second Amendment and the prior amendment, the Lease remains unmodified and in full force and effect and the parties hereby ratify, confirm and adopt the Lease, as amended, in accordance with the terms thereof. This Second Amendment is expressly contingent upon the approval of the Palm Beach County Board of County Commissioners, and shall become effective only when signed by all parties and approved by the Palm Beach County Board of County Commissioners.

**(THE REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK)**



IN WITNESS WHEREOF, County and Tenant have executed this Second Amendment, or have caused the same to be executed by their duly authorized representatives, as of the day and year first above written.

WITNESS:

VERIZON WIRELESS PERSONAL  
COMMUNICATIONS LP d/b/a

Verizon Wireless

Witness Signature

Lauren Fernandez

Print Witness Name

Doris P. Roosen

Witness Signature

Doris P. Roosen

Print Witness Name

By: Frank Wise

Title: Executive Director - Network Field  
Engineering

Date: May 13<sup>th</sup>, 2016

(SEAL)

ATTEST:

PALM BEACH COUNTY,  
a political subdivision of the  
State of Florida

SHARON R. BOCK  
CLERK & COMPTROLLER

By: \_\_\_\_\_  
Deputy Clerk

By: \_\_\_\_\_  
, Mayor

(SEAL)

WITNESSES:

\_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Print Name of Witness

\_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Print Name of Witness

APPROVED AS TO FORM  
AND LEGAL SUFFICIENCY

By: [Signature]  
Assistant County Attorney

APPROVED AS TO TERMS  
AND CONDITIONS

By: [Signature]  
Audrey Wolf, Director  
Facilities Development & Operations

## Exhibit "C-2" Equipment Specifications



### AXP19-60 Xpol, 60° H-Beams

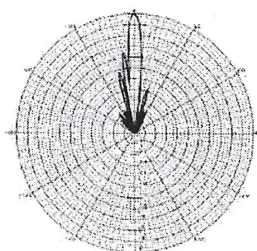
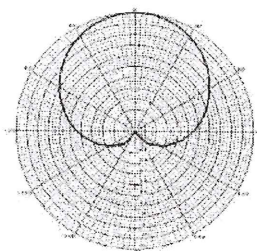
1710-2170 MHz

#### Electrical Specifications

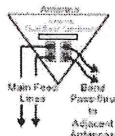
Frequency	1710-2170 MHz
Polarization	Slant +/- 45
Gain @ 1710 MHz	19.0 dBi
Gain @ 1920 MHz	19.3 dBi
Gain @ 2170 MHz	19.6 dBi
Horizontal Beam (3dB Points)	60°
Vertical Beam (3dB Points)	5°
Elect. Downshift Range, 2° Increments	0-6°
VSWR / Return Loss	<1.40:1 / 15.5 dB
VSWR / Return Loss w/	<1.50:1 / 14.5 dB
Front-to-Back at Horizon	>20 dB
Upper Side Lobe Suppression	<-18 dB
Impedance	50 Ohms
Power Input Per Connector	250 CW at 1900 MHz
Isolation	<-29 dB
Intermodulation (2x20W)	typ. >150 dBc

#### Mechanical Specifications

Input Connector (female)	Back 7/16 DIN or w/bot. opt.
Antenna Dimensions (LxWxD)	69.1 x 6.7 x 4.1 in. (1755 x 170 x 104mm)
Antenna Dimensions with Opt-T	69.1 x 6.7 x 4.5 in. (1755 x 170 x 114mm)
Antenna Weight	15.0 lbs
Bracket Weight	13.2 lbs
Lightning Protection	Direct Ground
RF Distribution	Printed Microstrip Substrate
Radome	Ultra High-Strength Luran
Weatherability	UV Stabilized, ASTM D1925
Radome Water Absorption	ASTM D570, 0.45%
Environmental	MIL-STD-810E
Wind Survival	150 mph
Front Wind Load @100mph	105 lbf
Equivalent Flat Plate @100mph	2.13 sq-ft. (c=2)
Mounting Brackets	Fits 3.6 inch Max. O.D. Pipe
Mechanical Downshift Range	0-12°
Clamp/Bolt(s)	Galvanized Steel/Stainless Steel



Available with Integrated Diplexers  
 and back mounted connectors,  
 bottom mounted connectors  
 are not available with Integrated Diplexers



Recommended Connector Coupling Torque  
 7/16 DIN: 220-265 lbf-in (25-30 N-m)

#### Ordering Information & Options

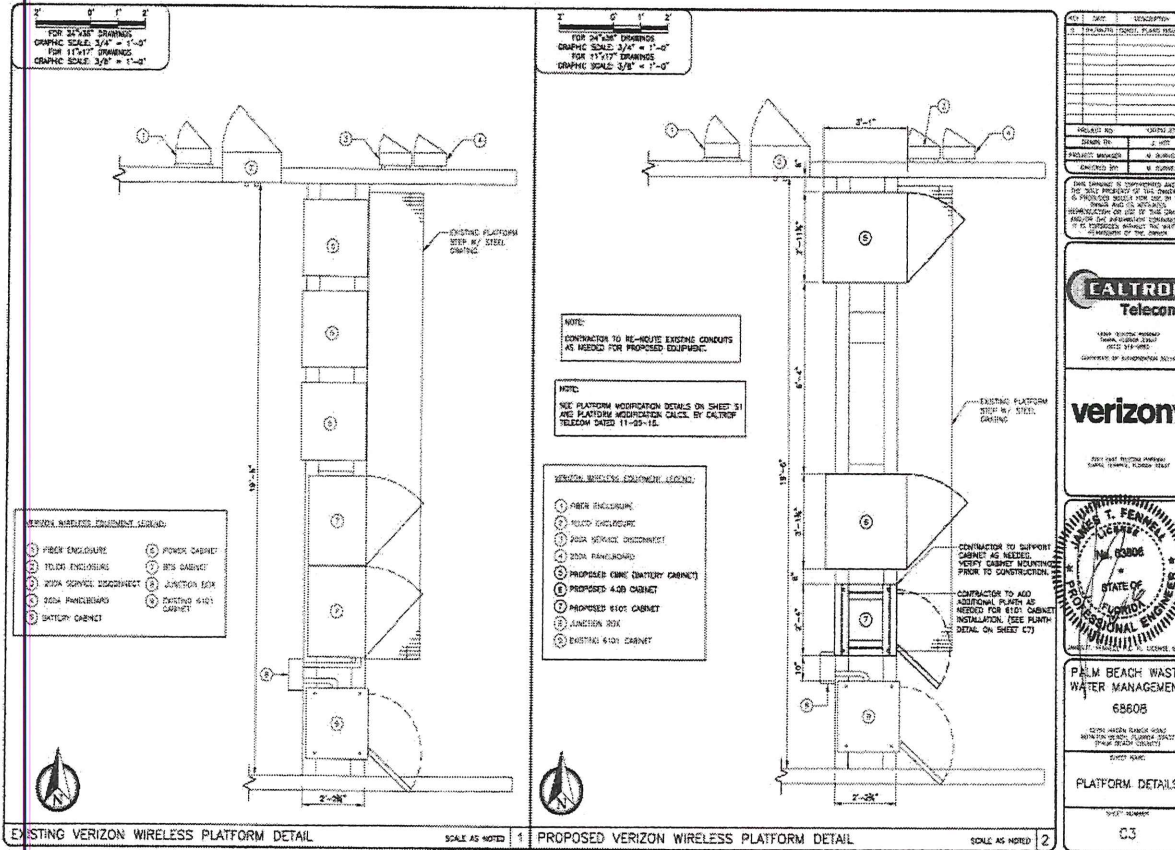
AXP19-60-x	"x" is a placeholder for the built-in fixed electrical downshift in degrees; set to 0, 2, 4 or 6
AXP19-60-xi	is add the option for integrated diplexers, add "i" to model number
AXP19-60-x-bol	for bottom mounted connectors, add "-bol" (otherwise antenna comes standard with back mounted connectors)

\*Antenna Weight may vary slightly with options.

Published 10/1/11  
 Subject to alteration

www.cssantenna.com





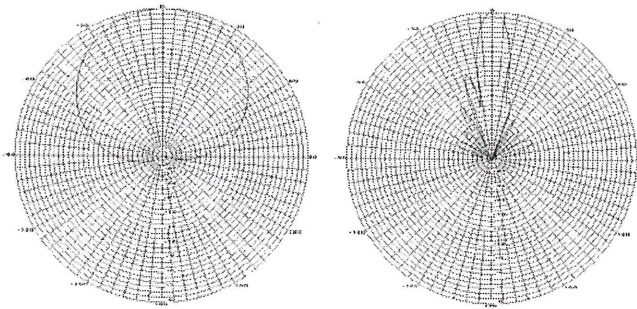


**X7-665**  
 Xpol, 65° H-Beam

698-800 MHz

Electrical Specifications		Mechanical Specifications	
Frequency	698-800 MHz	Input Connector (female)	Back 7/16 DIN or w/ bot. opt.
Polarization	Slant +/- 45	Antenna Dimensions (LxWxD)	72.0 x 12.5 x 7.1 in. (1829 x 318 x 180mm)
Gain @ 698 MHz	15.3 dBi	*Antenna Weight	30.0 lbs
Gain @ 792 MHz	15.6 dBi	Bracket Weight	13.2 lbs
Gain @ 782 MHz	15.8 dBi	Lightning Protection	Direct Ground
Horizontal Beam (3dB Points)	65°	RF Distribution	Printed Microstrip Substrate
Vertical Beam (3dB Points)	10°	Radome	Ultra High-Strength Luran
Elect. Downlift Range, 2° Increments	0-10°	Weatherability	UV Stabilized, ASTM D 1925
VSWR / Return Loss	<1.40:1 / 15.6 dB	Radome Water Absorption	ASTM D570, 0.45%
Front-to-Back at Horizon	>30 dB	Environmental	MIL-STD-810E
Upper Side Lobe Suppression	<-18 dB	Wind Survival	150 mph
Impedance	50 Ohms	Front Wind Load @100mph	177.4 lbf
Power Input Per Connector	500 CW at 800 MHz	Equivalent Flat Plate @ 100mph	3.6 sq-ft. (≈2)
Isolation	<-28 dB	Mounting Brackets	Fits 3.5 Inch Max. O.D. Pipe
Intermodulation (2x20W)	<-150 dBc	Mechanical Downlift Range	0-12'
		Clamps/Bolts	Galvanized Steel/Stainless Steel

[Link to Mechanical Drawing](#)



Recommended Connector Coupling Torque  
 7/16 DIN: 220-265 lbf-in (25-30 N-m)

**Ordering Information & Options**

X7-665-x "x" is a placeholder for the built-in fixed electrical downlift in degrees, set to 0, 2, 4, 6, 8 or 10  
 X7-665-x-bot for bottom mounted connectors, add "-bot" (otherwise antenna comes standard with back mounted connectors)  
 \*Antenna Weight may vary slightly with options.

Published 110712  
 Subject to alteration.

[www.cssantenna.com](http://www.cssantenna.com)



Cabinet	Maximum Installed Weight (estimate)	Reference Dimensions (Width x Depth x Height)	Maximum Heat Dissipation (Watt)
Extended Battery Reserve Enclosure (EBRE)	960 LBS	36 in. x 48.38 in. x 79.41 in.	180
(Qty 11 NSB170F Battery)	131 lbs		
Note: (Qty 30) can fit into one indoor Battery Rack	(Total set of qty 30 units approx 3930 lbs)	1 Battery/Unit Dimensions: 5 in. x 22.5 in x 12/5 in	Per Unit Nominal Voltage = 12V Short Circuit Current = 5000A



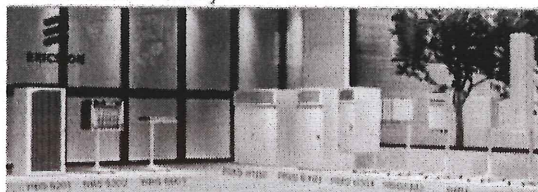
Cabinet	Maximum Installed Weight (lbs) (estimate)	Reference Dimensions Inches (Width x Height x Depth)	Maximum Heat Dissipation (Watt)
6101 - Outdoor	400 or 810 W/BBU (170Ah)	27.6 x 87.1 or 76.8 w/BBU x 27.6	4,000
6102 - Outdoor	710 or 1235 w/BBU (340 Ah)	51.2 x 57.1 or 76.8 w/BBU x 27.6	5,500
6201 - Indoor	507.1	23.6 x 56.5 or 58.5 w/base frame x 19.0	5,500
6202 - Indoor Rack Mount	<218.3	19.7 x 19.3 x 20.7	2,700
6601 - Indoor Rack Mount	<22	19.0 x 2.6 x 13.8	240
6301 - Outdoor Enclosure	<265	16.3 x 43.9 x 21.1	1,530
Maximum Heat Dissipation (Watt)		AC Circuits	DC Circuits Volts
4,000		200 250VAC (3 PSU)	
5,500		200 250VAC (3 PSU)	
2,700			-48
240			-48
1,530		200 250VAC	-48

AC Circuits	DC Circuits Volts
200 250VAC (3 PSU)	
200 250VAC (3 PSU)	
	-48
	-48
200 250VAC	-48

## RBS Portfolio Summary Table

	6101	6102	6201	6202	6601	6301
Indoor/Outdoor	Outdoor	Outdoor	Indoor Rack Mount	Indoor Rack Mount	Indoor Rack Mount	Outdoor Enclosure
Weight	400 or 810 W/BBU (170Ah)	710 or 1235 w/BBU (340 Ah)	507.1	23.6 x 56.5 or 58.5 w/base frame x 19.0	22	265
Dimensions	27.6 x 87.1 or 76.8 w/BBU x 27.6	51.2 x 57.1 or 76.8 w/BBU x 27.6	23.6 x 56.5 or 58.5 w/base frame x 19.0	19.7 x 19.3 x 20.7	19.0 x 2.6 x 13.8	16.3 x 43.9 x 21.1
Heat Dissipation	4,000	5,500	5,500	2,700	240	1,530
AC Circuits	200 250VAC (3 PSU)	200 250VAC (3 PSU)	200 250VAC (3 PSU)	200 250VAC (3 PSU)	200 250VAC (3 PSU)	200 250VAC (3 PSU)
DC Circuits	-48	-48	-48	-48	-48	-48

## RBS 6000 Family



**Today's Deployment:**

- 6101 Outdoor AC
- 6102 Outdoor rack-mountable DC (battery backup, optional)
- 6201 Indoor Rack-mountable DC (digital)
- 6202 Outdoor AC (single-phase)
- 6601 Outdoor AC (single-phase)

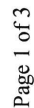
**Additional Current Deployment Options:**

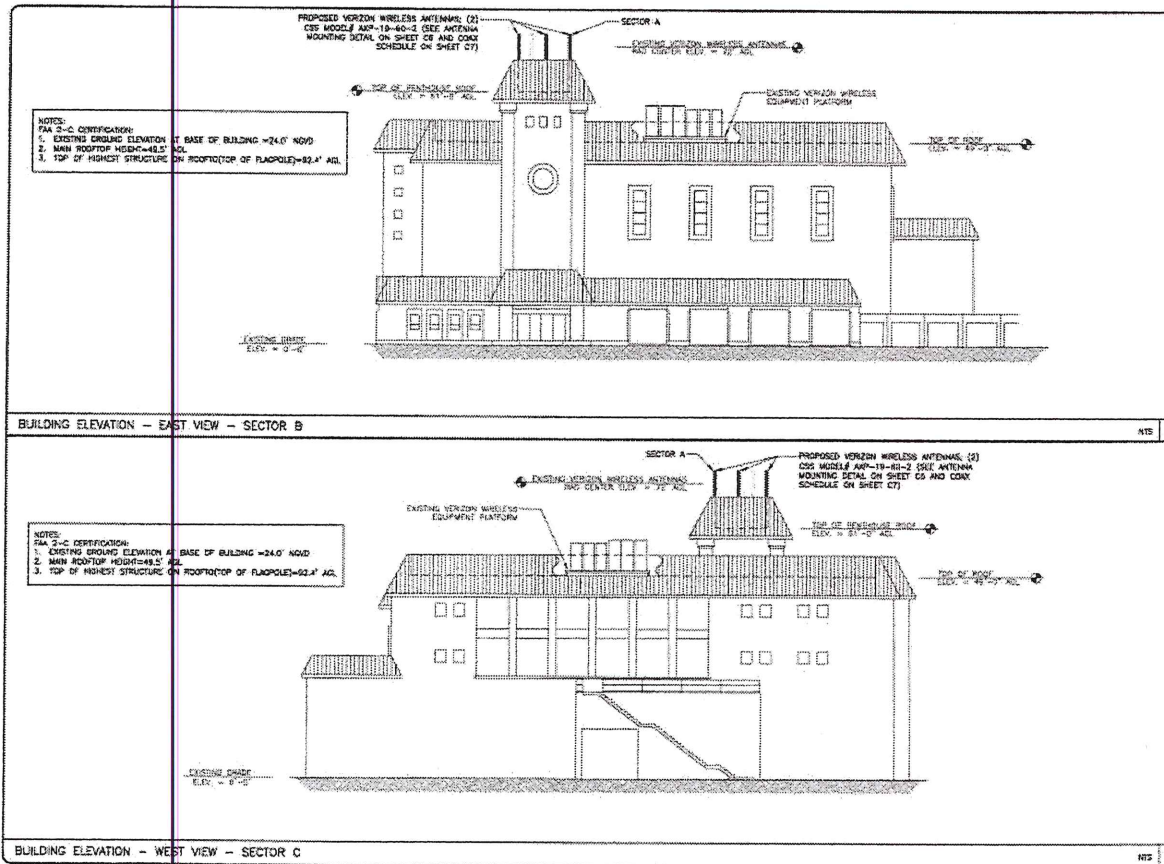
- 6201 Outdoor AC or DC (UL Haz) + FRU
- 6202 UL Haz + optional rack-mountable
- 6601 UL Haz + optional rack-mountable

**Future Deployment Options:**

- 6202 Outdoor DC (UL Haz) + FRU
- 6202 External Input, Rack-mountable
- 6601 External Input, Rack-mountable
- 6601 External Input, Rack-mountable
- 6601 External Input, Rack-mountable
- 6601 External Input, Rack-mountable

120V Battery Frame used with cabinets equipped with integrated power or a 300W power cabinet	Maximum system (base system + 2 double shelf upgrades) + 20x Batteries	1800 LB
21.4 x 23.8 x 72.5		





REV	DATE	DESCRIPTION
1	04/20/18	ISSUED FOR PERMITTING

DESIGNED BY: [blank] DRAWN BY: J. LIT  
 PROJECT NUMBER: 68608 NO. BUILDING: [blank]  
 CHECKED BY: [blank] IN CHARGE: [blank]

THIS DRAWING IS CONSIDERED AND IS THE SOLE PROPERTY OF THE ENGINEER. IT IS PROVIDED SOLELY FOR USE IN THE PROJECT AND IS NOT TO BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.

**CALTROP Telecom**  
 1000 COLUMBIA DRIVE  
 SUITE 200  
 PALM BEACH, FL 33480  
 (561) 844-1111

**verizon**  
 THE BLUE CHECK MARK  
 YOUR SERVICE. YOUR WAY.

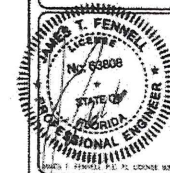
**JAMES T. PENNELL**  
 LICENSE NO. 63806  
 PROFESSIONAL ENGINEER  
 STATE OF FLORIDA

**PALM BEACH WASTE WATER MANAGEMENT**  
 68608  
 10000 WOODLAND AVENUE  
 BOCA RATON, FL 33433  
 (561) 991-1111

**BUILDING ELEVATIONS (2 OF 2)**  
 SHEET NUMBER: C5

[illegible]

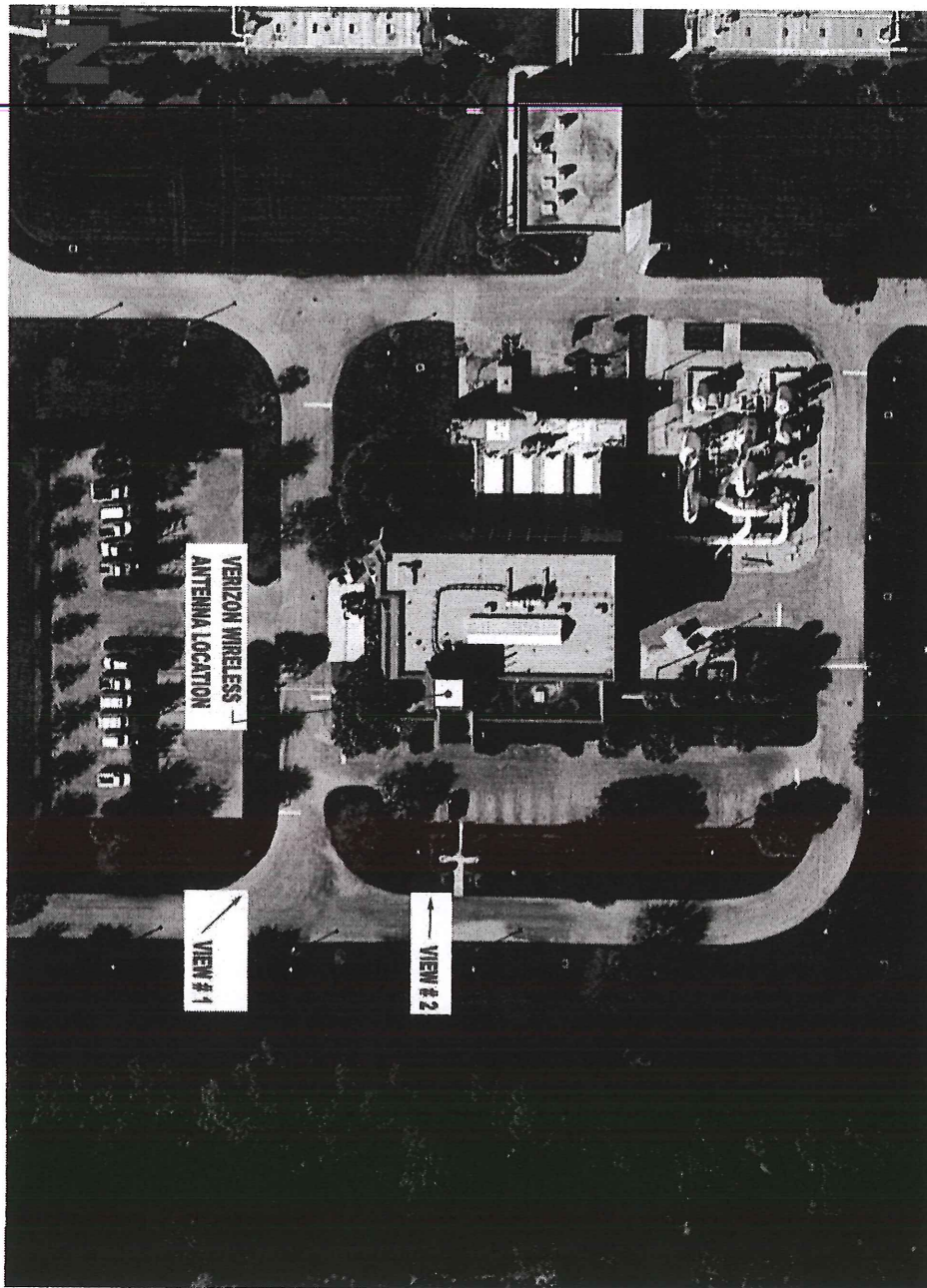
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PALM BEACH WATER WATER MANAGEMENT 68608 10701 WOODLAND DRIVE BOCA RATON, FLORIDA 33433 (PALM BEACH COUNTY) STREET NAME: ROOFTOP PLAN SHEET NUMBER: C2
--



**Exhibit "E-2"**  
**Photo Simulations**



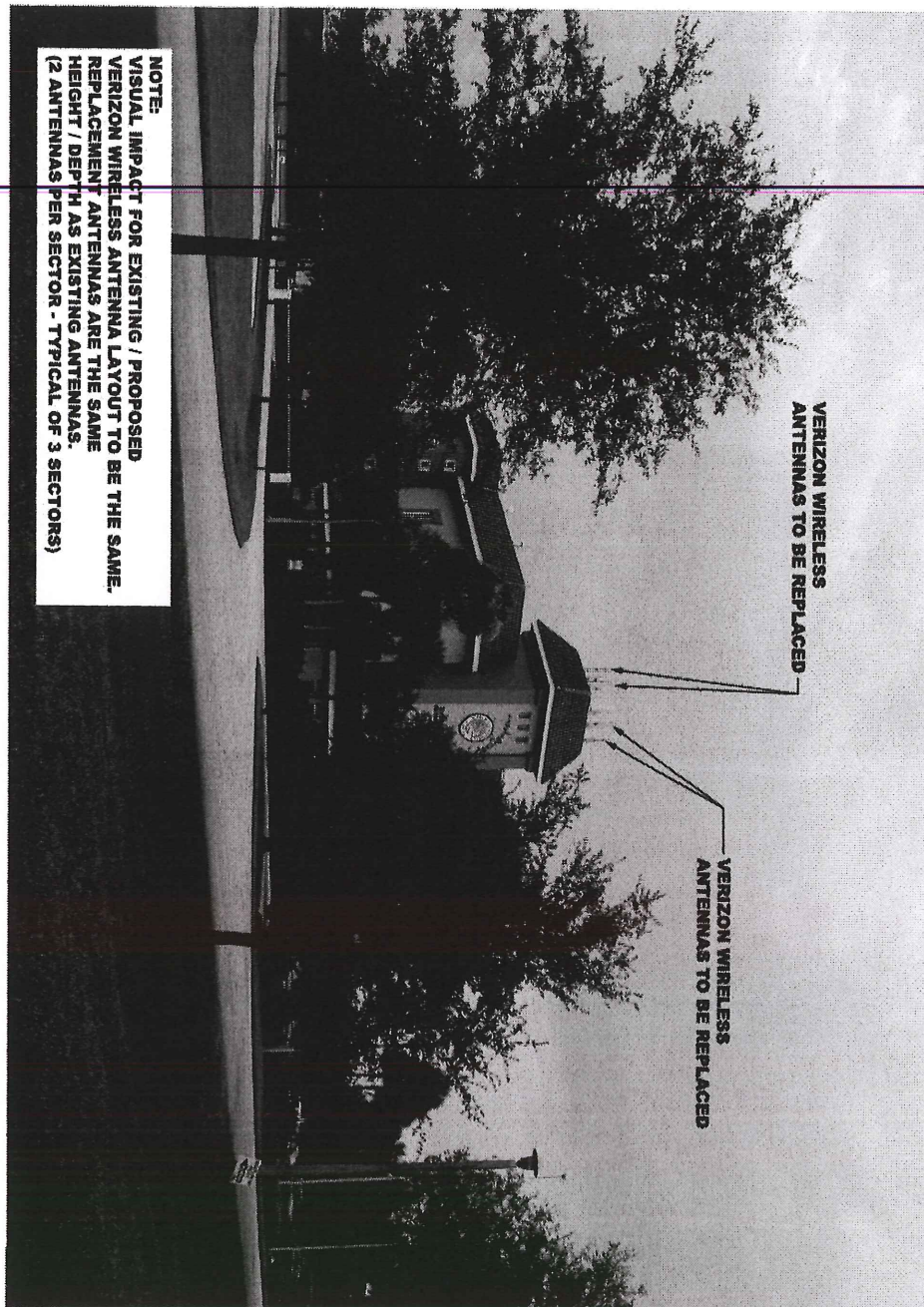
**AERIAL VIEW**

For visual reference only. Actual visibility is dependant upon weather conditions, season, sunlight and viewer location.

**PALM BEACH WASTE WATER MANAGEMENT**  
**68608**  
**VERIZON WIRELESS**



Created By: Mike Murphy



View 1

For visual reference only. Actual visibility is dependant upon weather conditions, season, sunlight and viewer location.

**PALM BEACH WASTE WATER MANAGEMENT**

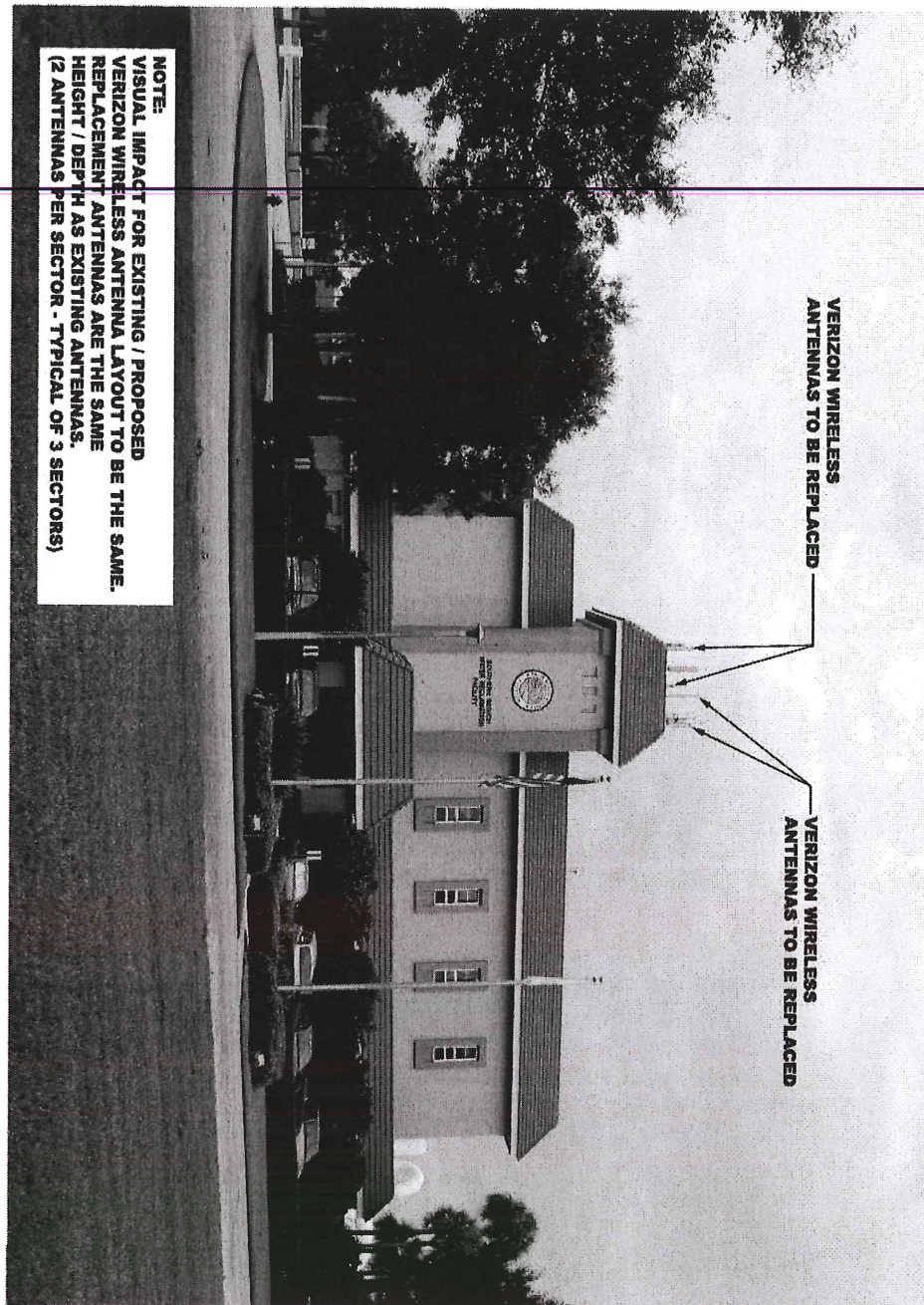
**68608**

**VERIZON WIRELESS**



Created By: Mike Murphy





View 2

For visual reference only. Actual visibility is dependant upon weather conditions, season, sunlight and viewer location.

**PALM BEACH WASTE WATER MANAGEMENT**  
**68608**  
**VERIZON WIRELESS**



Created By: Mike Murphy

## Exhibit "F-2" Frequencies

### PALM BEACH COUNTY ELECTRONIC SERVICE AND SECURITY DIVISION - SYSTEM FREQUENCIES

SITE NAME: South Regional Water Reclamation Facility  
 12751 Hagen Ranch Road, Boynton Beach

#### EXHIBIT "F"

2-4-2016

TRANSMIT	RECEIVE	USE	NOTE
460.5000	465.5000	Water Utilities, TM	(2)
460.6250	465.6250	Water Utilities, RPT	(3)
460.7500	465.7500	Water Utilities, LST	(1)
453.2250	453.2250	Water Utilities, Irrigation	(1)
940.1750	901.1750	Water Utilities, AMI System	(2)
2GHz-2.4GHz ISM	2GHz-2.4GHz ISM	Water Utilities, WIFI	(3)
5.725GHz-5.850GHz	5.725GHz-5.850GHz	Water Utilities, WIFI	(3)
902-928M Hz	ISM Band	WUD Well Water Level Data	(2)
852.7625	807.7625	PBC 800MHz Trunked System	(1)
852.5750	807.5750	PBC 800MHz Trunked System	(1)
853.7250	808.7250	PBC 800MHz Trunked System	(1)
852.3750	807.3750	PBC 800MHz Trunked System	(1)
857.3125	812.3125	PBC 800MHz Trunked System	(1)
852.3250	807.3250	PBC 800MHz Trunked System	(1)
852.1000	807.1000	PBC 800MHz Trunked System	(1)
851.8500	806.8500	PBC 800MHz Trunked System	(1)
851.8250	806.8250	PBC 800MHz Trunked System	(1)
851.7500	806.7500	PBC 800MHz Trunked System	(1)
851.6250	806.6250	PBC 800MHz Trunked System	(1)
851.6000	806.6000	PBC 800MHz Trunked System	(1)
851.3500	806.3500	PBC 800MHz Trunked System	(1)
851.3250	806.3250	PBC 800MHz Trunked System	(1)
851.1250	806.1250	PBC 800MHz Trunked System	(1)
851.1000	806.1000	PBC 800MHz Trunked System	(1)
860.3375	815.3375	PBC 800MHz Trunked System	(1)
859.3375	814.3375	PBC 800MHz Trunked System	(1)
852.4000	807.4000	PBC 800MHz Trunked System	(1)
857.3375	812.3375	PBC 800MHz Trunked System	(1)
856.3375	811.3375	PBC 800MHz Trunked System	(1)
860.3125	815.3125	PBC 800MHz Trunked System	(1)
853.7000	808.7000	PBC 800MHz Trunked System	(1)
853.6500	808.6500	PBC 800MHz Trunked System	(1)
853.3750	808.3750	PBC 800MHz Trunked System	(1)
853.2250	808.2250	PBC 800MHz Trunked System	(1)
856.3125	811.3125	PBC 800MHz Trunked System	(1)
858.3125	813.3125	PBC 800MHz Trunked System	(1)
1710-2170M Hz		Verizon Additional Antennas	(2)

Note: (1) Current; (2) Future; (3) To be installed.

#### TENANT SYSTEM FREQUENCIES (Verizon)

Transmit Frequency	Receive Frequency	Future Verizon Frequency
1950-1965 MHz (1)	1870-1885 MHz (1)	1710-2170 MHz (2)
776-787 MHz (2)	746-757 MHz (2)	