



**TOWN OF OCCOQUAN**  
Circa 1734 • Chartered 1804 • Incorporated 1874

314 Mill Street  
PO BOX 195  
Occoquan, VA 22125  
(703) 491-1918  
[www.OccoquanVA.gov](http://www.OccoquanVA.gov)  
[info@occoquanva.gov](mailto:info@occoquanva.gov)

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**Occoquan Town Council**  
**Regular Meeting**  
**July 3, 2018 | 7:00 p.m.**

**Swearing In Ceremony, 6:45 p.m.**

The swearing in of newly elected Mayor and Town Council will take place at **6:45 p.m.** before the start of the regular meeting on July 3, 2018. The Mayor and Councilmembers will serve terms from July 1, 2018 through June 30, 2020. The public is invited to attend this event.

- 1. Call to Order**
- 2. Pledge of Allegiance**
- 3. Citizens' Time** - Members of the public may, for three minutes, present for the purpose of directing attention to or requesting action on matters not included on the prepared agenda. These matters shall be referred to the appropriate town official(s) for investigation and report. Citizens may address issues as they come up on the agenda if advance notice is given during 'Citizens' Time'.
- 4. Appointment of Vice Mayor**
- 5. Approval of Minutes**
  - a. June 5, 2018 Regular Meeting Minutes
  - b. June 21, 2018 New Council Orientation
- 6. Councilmember Reports**
- 7. Mayor's Report**
- 8. Staff Reports**
  - a. Town Attorney
  - b. Town Engineer
  - c. Building Official
  - d. Town Manager
  - e. Town Treasurer
  - f. Events and Community Development Director
  - g. Chief of Police
  - h. Boards and Commissions

**Portions of this meeting may be held in closed session pursuant to the Virginia Freedom of Information Act.**  
*A copy of this agenda with supporting documents is available online at [www.occoquanva.gov](http://www.occoquanva.gov).*

**9. Regular Business**

- a. Request to Approve Mobilitie Site License Agreement
- b. Request to Lease Replacement Public Safety Vehicle
- c. Request to Purchase Replacement Refuse and Recycling Containers – Phase II
- d. Request to Appoint Town Positions
- e. Request to Appoint Members to Boards and Commissions
- f. Request to Appoint Interim Town Manager

**10. Closed Session**

**11. Adjournment**



**OCCOQUAN TOWN COUNCIL**  
**Regular Meeting Minutes - Draft**  
**Town Hall - 314 Mill Street, Occoquan, VA 22125**  
**Wednesday, June 5, 2018**  
**7:00 p.m.**

**Present:** Mayor Liz Quist, Vice Mayor Pat Sivigny, Councilmembers Matthew Dawson, Jim Drakes, Cindy Fithian, and Joe McGuire.

**Staff:** Kirstyn Jovanovich, Town Manager; Martin Crim, Town Attorney; Bruce Reese, Town Engineer; Adam Linn, Chief of Police; Christopher Coon, Town Clerk

**1. Call to Order**

Mayor Quist called the meeting to order at 7:01 p.m.

**2. Pledge of Allegiance**

**3. Recognition of Service**

- a. Mayor Quist presented outgoing Councilmembers Drakes and McGuire with plaques for their service to the Town of Occoquan.
- b. Vice Mayor Sivigny presented Mayor Quist with a plaque in recognition of service to the Town of Occoquan.

**4. Citizens Time**

None.

**5. Approval of Minutes**

It was moved to approve the minutes of the May 2, 2018 Regular Meeting and the May 23, 2018 Special Session.

**A motion was made by Councilmember Drakes, seconded by Councilmember Fithian that the Action Item be approved. The motion carried by poll vote, unanimous.**

**6. Councilmember Reports**

Councilmember Fithian reported the stop sign on Tanyard Hill Road and Union Street needs to be turned to only allow drivers on Tanyard Hill Road to be able to see it. She also wanted to address the fact that home businesses are not allowed to receive clients in their homes.

Councilmember Drakes wanted to thank town staff for their work during the weekend of the Spring Craft Show. He wanted to thank Town Council and staff for the position that the Town is in currently. He asked the incoming Town Council to follow the Town's strategic plan and keep the commitment to public safety. He wanted Town Council to engage in spirited debate to ensure correct decisions are made. He wanted Council to know that the people who were important were the citizens that brought issues to the Council's attention. He thanked the Town for the honor to serve.

Councilmember McGuire wanted to thank everyone for his five years of service. He recommended that in moving forward it is important to remember that Occoquan is a small community, and if it loses the small town feel, they would never get it back.

## 7. Mayor's Report

Mayor Quist reported the Town has contracted with Craig Gearhart to provide assistance with filling the Town Manager position. There was a meeting with Imagine Marketing for the website redevelopment project, and they will have an eight week long process for the website update. Also, staff is in the process of scheduling a meeting with Prince William County Public Works to review the staff report on stormwater.

## 8. Staff Reports

**A. Town Attorney:** Mr. Crim, Town Attorney, reported on the following:

- i. **BZA** - Mary-Ann Phelps' term has expired. Chris Hardy has resigned from BZA leaving only three members. A quorum for the BZA is three members. Mr. Crim suggested trying to get additional members to serve on the BZA.
- ii. **River Mill Park** - The issues should be able to be resolved in the near future with minimal cost to the Town.
- iii. **State Legislation** - Mr. Crim wanted to correct his report from the May Town Council Meeting. He reported there is no new legislation in regards to distracted driving.

Councilmember Fithian inquired about the current law regarding cell phone use. Mr. Crim stated the current law is that you can not text, dial, read an email or text. There are some exceptions that allow you to call 9-1-1 in an emergency and you can read your GPS. He stated that you are not allowed to enter multiple digits on your phone while driving.

**B. Town Engineer:** Mr. Reese, Town Engineer, submitted a report as part of the meeting agenda.

Councilmember Drakes inquired about the status of the Kayak and Canoe Ramp. Mr. Reese stated that the Town is in the same position it was in after receiving the original bids in 2017.

Ms. Jovanovich stated that the same grant is available for application for additional funding. She stated that the Town could try and get additional grants to cover the funding gap. Ms. Jovanovich also stated that the Town has reached out to Prince William County to see if there is any opportunity for them to provide some funding for the project.

Councilmember McGuire inquired about the size of the funding gap for the Kayak and Canoe Ramp. Mayor Quist and Ms. Jovanovich believed that the gap was approximately \$115,000.

Councilmember Fithian inquired if the original funding for the project would expire if the project was unable to move forward. Mr. Reese and Ms. Jovanovich stated that the

Town has one year to find additional funding. They also stated if the project was unable to move forward, then the ability to use those funds would expire.

Councilmember Fithian inquired if there were any restrictions on public and private partnerships. Ms. Jovanovich was unaware of any restrictions.

- C. **Building Official:** The Building Official's report was submitted as part of the meeting agenda. Mr. Crim also informed Town Council that the County could provide the dollar value of the improvements if desired.
- D. **Town Manager:** Ms. Jovanovich submitted a manager's report as part of the meeting agenda. No questions were received.
- E. **Town Treasurer:** Ms. Rodriguez, Town Treasurer, submitted the Third Quarter report as part of the meeting agenda. No questions were received.
- F. **Chief of Police:** Chief Linn submitted a report as part of the meeting agenda. He also reported the following:
  - i. **Communication-** Chief Linn indicated that he has had several meetings with Prince William County Police to improve communication between the Town and County officers. This includes town officers attending regular roll call meetings with the County.
- G. **Boards and Commissions:** No report for ARB or Planning Commission.

## 9. Public Hearing

### 9A. Public Hearing and Action to Award Franchise: O-2018-02, Granting a Small Cell Facilities Franchise to Permit Use of Public Right-of-Way Within the Town Limits for Location of Telecommunications Equipment on Existing Utility Poles

Mayor Quist called the Public Hearing to order at 7:28 p.m.

No comments were received.

Mayor Quist closed the Public Hearing at 7:28 p.m.

The Town received one bid. Mobilitie submitted a bid for one dollar in addition to the fees listed in the franchise, which was accepted by Town Council. The bid was marked in accordance with Virginia State Law.

It was moved to approve Ordinance O-2018-02 to grant the Small Cell Facilities Franchise as presented to Mobilitie, Inc.

**A motion was made by Councilmember Drakes, seconded by Councilmember McGuire that the Action Item be approved. The motion carried by poll vote, unanimous.**

## **10. Regular Business**

### **10A. Request to Approve Revised Development Fee Schedule**

It was moved to approve the revised building fee schedule as presented, effective June 5, 2018.

**A motion was made by Councilmember McGuire, seconded by Councilmember Drakes that the Action Item be approved. The motion carried by poll vote, unanimous.**

## **11. Adjournment**

The meeting was adjourned at 7:43 p.m.

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Christopher Coon  
Town Clerk



**OCCOQUAN TOWN COUNCIL**  
**New Council Orientation Minutes - Draft**  
**Town Hall – 314 Mill Street, Occoquan, VA 22125**  
**Wednesday, June 21, 2018**  
**7:00 p.m.**

**Present:** Mayor Liz Quist, Mayor-elect Earnie Porta, Vice Mayor Pat Sivigny, Councilmembers-elect Laurie Holloway and Eliot Perkins

**Absent:** Councilmembers Matthew Dawson and Cindy Fithian

**Staff:** Kirstyn Jovanovich, Town Manager; Martin Crim, Town Attorney; Adam Linn, Chief of Police; Christopher Coon, Town Clerk

**1. Welcome**

Mayor-elect Porta called the meeting to order at 5:05 p.m.

**2. Department Presentations**

Ms. Jovanovich provided information on the council-manager government structure, roles of the Mayor, Town Council and Town Manager, chain of command and communication processes and Town Council agenda development process.

In addition, town staff provided brief summaries of the roles and responsibilities for each staff position.

**3. Governing Body**

The Town Attorney provided information on open and closed meetings, social media participation, and the Freedom of Information Act. Mr. Coon provided additional information on the Freedom of Information and Conflict of Interest Acts.

Mayor-elect Porta provided information on Robert's Rules of Order and meet decorum and processes.

**4. Status of Current Projects and Activities**

Ms. Jovanovich presented information on the status of active projects and activities. In addition, she provided a brief overview of the FY2019 Budget and planned initiatives.

**5. Adjournment**

The meeting was adjourned at 7:19 p.m.

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Christopher Coon  
Town Clerk



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Patrick A. Sivigny, Vice Mayor  
J. Matthew Dawson  
Cindy Fithian  
Laurie Holloway  
Eliot Perkins

**TOWN MANAGER**  
Kirstyn Barr Jovanovich

**TOWN ENGINEER**  
Bruce A. Reese, P.E., L.S.

## **Town Engineer's Report Town Council Meeting -July 3, 2018**

### **Kayak/Canoe Launch - no change from last report**

Two bids received, both over budget. Looking for alternative funding sources, working with Department of Conservation and Recreation (DCR). Staff working with PWC on potential funding.

### **River Mill Park - Moisture Issue in Storage Room - no change from last report**

Evaluating options for corrections as directed by Council during November meeting.

### **Kiely Court Project - update from last report**

Land Disturbance Permit issued - construction to start soon. Plan revision submitted (slight shift in building location, addition of gas meters, and the elimination of retaining walls) and is being reviewed for presentation to Town Council at future date.

### **Rivertown Project - no change from last report**

Land Disturbance Permit issued - construction started.

### **113 Poplar Lane - Site Plan for Swimming Pool - no change from last report**

Land Disturbance Permit issued - construction started.

### **Stormwater Management Program - Prince William County - update from last report**

Inventory of storm system completed, with report of findings forthcoming at meeting with PWC.

-END-

**BUILDING OFFICIAL REPORT - TOWN OF OCCOQUAN**  
**Tuesday, July 3, 2018**  
**PWC DEVELOPMENT SERVICES - BUILDING DEVELOPMENT**

Report Date: 6/26/2018  
 Report Time: 3:07:22 PM

**Town of Occoquan - Permit Report**  
**June 2018**

Permit Number	Main Address	Description	Permit Type	Permit Status	Permit Workclass	Issue Date	Finalize Date	Valuation
BLD2015-01059	302 COMMERCE	ALTERATION TO EXISTING SFD/ SCHMIDT	Building	Finald	R - Alteration/Repair	10/30/2014	05/04/2018	\$70,000.00
PLB2018-02475	304 MILL ST	3-Compartment Sink	Plumbing	Finald	C - Alteration/Repair	04/06/2018	05/06/2018	\$385.00
BLD2018-04471	313 MILL ST	PARTIAL ROOF REPAIR DUE TO WATER DAMAGE - SEE PSTD2018-00224	Building	Issued	C - Alteration/Repair	02/23/2018		\$10,000.00
BLD2018-03636	408 MILL ST	ALTERATION/REPAIRS FOR INTERIOR RENOVATION OF A RESIDENTIAL UNIT IN A 3-UNIT APARTMENT ABOVE GROUND RETAIL FLOOR	Building	Issued	C - Alteration/Repair	05/23/2018		\$20,000.00
ELE2018-04745	408 MILL ST	ALTERATION/REPAIRS FOR INTERIOR RENOVATION OF A RESIDENTIAL UNIT IN A 3-UNIT APARTMENT ABOVE GROUND RETAIL FLOOR	Electrical	Pending	C - Alteration/Repair			\$20,000.00
MEC2018-01930	408 MILL ST	ALTERATION/REPAIRS FOR INTERIOR RENOVATION OF A RESIDENTIAL UNIT IN A 3-UNIT APARTMENT ABOVE GROUND RETAIL FLOOR	Mechanical	Pending	C - Alteration/Repair			\$20,000.00
PLB2018-01804	408 MILL ST	ALTERATION/REPAIRS FOR INTERIOR RENOVATION OF A RESIDENTIAL UNIT IN A 3-UNIT APARTMENT ABOVE GROUND RETAIL FLOOR	Plumbing	Pending	C - Alteration/Repair			\$20,000.00
BLD2018-04612	416 MILL ST	BANN THAI OLD TOWN - TLO	Building	Issued	C - Tenant Layout	06/26/2018		\$1,500.00
ELE2018-05514	416 MILL ST	BANN THAI OLD TOWN - TLO	Electrical	Pending	C - Tenant Layout			\$1,500.00
GAS2018-02343	416 MILL ST	BANN THAI OLD TOWN - TLO	Gas	Pending	C - Tenant Layout			\$1,500.00
MEC2018-03498	416 MILL ST	BANN THAI OLD TOWN - TLO	Mechanical	Pending	C - Tenant Layout			\$1,500.00
PLB2018-02753	416 MILL ST	BANN THAI O TOWN - TLO	Plumbing	Pending	C - Tenant Layout			\$1,500.00
BLD2018-02969	426 MILL ST	LOT SPECIFIC SFD - KIELY RESIDENCE (THIS IS UNDER CIB)	Building	Pending	R - New Single Family Dwelling			\$1.00
BLD2018-02984	430 MILL ST	KIELY RESIDENCE - LOT SPECIFIC SFD	Building	Pending	R - New Single Family Dwelling			\$100.00

**Town of Occoquan - Permit Report  
June 2018**

Permit Number	Main Address	Description	Permit Type	Permit Status	Permit Workclass	Issue Date	Finalize Date	Valuation
BLD2014-05879	1441 OCCOQUAN	DECK	Building	Issued	R - Addition	04/25/2014		\$6,700.00
BLD2013-05224	326 OVERLOOK DR	NON STRUCTURAL INTERIOR REMODEL	Building	Finald	C - Alteration/Repair	04/08/2013	05/06/2018	\$3,400.00
ELE2018-03876	326 OVERLOOK DR	NON STRUCTURAL INTERIOR REMODEL**TAKE OVER PERMIT FROM ELE2013-03967**	Electrical	Finald	C - Alteration/Repair	03/16/2018	05/06/2018	\$3,400.00
BLD2018-02753	113 POPLAR	36' x 18' INGROUND POOL	Building	Issued	R - Swimming Pool	12/07/2017		\$60,000.00
ELE2018-02286	113 POPLAR	36' x 18' INGROUND POOL	Electrical	Issued	R - Swimming Pool	12/07/2017		\$6,000.00
GAS2018-01390	113 POPLAR LN	Gas Line to Pool Heater and Gas Line to Fire Bowls	Gas	Issued	R - Swimming Pool	01/16/2018		\$2,000.00
BLD2018-04392	1551 RIVERTOWN	LOT SPECIFIC TOWNHOUSE - LOT 1 1551 RIVERTOWN PLACE	Building	Issued	R - New Townhouse	03/22/2018		\$45,000.00
BLD2018-04390	1552 RIVERTOWN	LOT SPECIFIC TOWNHOUSE - LOT 6 1552 RIVERTOWN PLACE	Building	Issued	R - New Townhouse	03/22/2018		\$45,000.00
BLD2018-04393	1553 RIVERTOWN	LOT SPECIFIC TOWNHOUSE - LOT 2 1553 RIVERTOWN PLACE	Building	Issued	R - New Townhouse	03/22/2018		\$45,000.00
BLD2018-04376	1554 RIVERTOWN	LOT SPECIFIC TOWNHOUSE - LOT 5 1554 RIVERTOWN PLACE	Building	Issued	R - New Townhouse	03/22/2018		\$45,000.00
BLD2018-04394	1555 RIVERTOWN	LOT SPECIFIC TOWNHOUSE - LOT 3 1555 RIVERTOWN PLACE	Building	Issued	R - New Townhouse	03/22/2018		\$45,000.00
BLD2018-04375	1556 RIVERTOWN	LOT SPECIFIC TOWNHOUSE - LOT 4 1556 RIVERTOWN PLACE	Building	Issued	R - New Townhouse	03/22/2018		\$45,000.00
BLD2018-04008	199 UNION ST	UPDATE AND REPAIR BATHROOM IN RENTAL APARTMENT.***MUST PAY BCE ADMIN FEE***	Building	Issued	C - Alteration/Repair	01/31/2018		\$1,000.00
PLB2018-01862	199 UNION ST	INTERIOR RENOVATIONS TO LAUNDRY AND BATHROOM IN RESIDENCE ON THE SECOND FLOOR. 1 BATH, 1 DRAIN.	Plumbing	Issued	C - Alteration/Repair	01/31/2018		\$4,000.00
PLB2018-02373	411 UNION ST	CONVERTING FROM SEPTIC TO PUBLIC SEWER	Plumbing	Issued	R - Alteration/Repair	03/23/2018		\$15,000.00
PLB2018-01956	103 WEST	Water Service	Plumbing	Issued	R - Alteration/Repair	02/08/2018		\$1,400.00

END OF REPORT



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Eliot Perkins

**TOWN MANAGER**  
Kirstyn Barr Jovanovich

## **Town Manager's Report Town Council Meeting - July 3, 2018**

### **Kayak Ramp Project**

The Town has been contacted by DCR with the possibility of additional funding being provided for the Town's existing ADA Kayak Launch project. Project budget information has been provided; waiting for response from DCR on next steps.

### **River Mill Park**

Town staff is working with Miller Brothers and The Engineering Groupe to complete remaining outstanding issues. Resolution pending.

### **Stormwater**

Town staff met with County staff to discuss the stormwater management program request made by the Town to the Supervisor's office on March 6, 2018. Since then, County staff has completed a site review of the existing systems in an effort to perform a high-level review of the system and perform high-level mapping. A meeting has been scheduled to discuss the result and next steps with the Town on July 12.

### **Intersection Improvements**

The Town has been notified that we have received the grant through VDOT's Transportation Alternatives Program (TAP) for the intersection improvement project on Mill Street. Funding will become available in FY 2019 and design/construction is anticipated to occur in spring 2019. TAP requires a local match, which has been included in the Town's Proposed FY2019 CIP budget. This project will install ADA ramps at the Ellicott/Mill Streets and Washington/Mill Streets intersections and include the installation of crosswalks.

### **Parking and Traffic Study - Next Steps**

At the March 6 meeting, the Town Council sent the parking study to the Planning Commission for review and to provide recommended next steps to the Town Council. Review pending.

### **Recodification Project**

The Town has received a draft of the revised Town Code from American Legal and it is currently under review.

### **Upcoming Events**

- July 7: Movie at River Mill Park, Moana - starts at sundown
- July 21: Music on Mill Concert, Sub-Radio (Indie/Pop/Rock) 6 - 8 pm, River Mill Park

### **Meetings, Trainings, and Events**

- Arts and Crafts Show, June 1-3
- Website Redesign Meeting, June 5
- FOIA/COIA Training, June 6 (Town Clerk)

- 101 Poplar Lane Culvert/Sediment issue on-site meeting with VDOT, PWC, June 19
- Marc Willson Small Business Development Training Session, June 18 (Events Director)
- Town Council Orientation, June 20

-END-



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 Laurie Holloway  
 Eliot Perkins

## Town Treasurer's Report Town Council Meeting - July 3, 2018

**TOWN MANAGER**  
 Kirstyn Barr Jovanovich

**TOWN TREASURER**  
 Carla M. Rodriguez

### Audits

Audit Type	Current Status	Last FY Audit Completed	Next Steps/Action
Meals Tax Audit	Pending (1)	None	Pink Bicycle Tea Room (Review Pending)
BPOL Audit	Pending (1)	2012 License Year	Fathom Realty (Review Pending)

### Delinquencies

Meals Tax Delinquencies			
Business Name	Length of Delinquency (months)	Date of Last Notice	Status of Compliance
Occoquan Inn/Virginia Grill	2	2/1/2018	Not compliant
Pink Bicycle Teal Room	3	5/29/2018	Not compliant

Business License Delinquencies			
Business Name	Length of Delinquency	Date of Last Notice	Status of Compliance
Allstate Insurance Anthony Cancel	1 Year	03/13/18	Not compliant/New Owner/reminder letter sent
Kaluka Art	1 Year	03/13/18	Not compliant/reminder letter sent
Quickpro Property Improvement	1 Year	04/25/18	Not compliant/reminder letter sent
Real Estate Executive	1 Year	04/25/18	Not compliant/reminder letter sent

Real Estate Delinquencies				
Property Owner	Length of Delinquency (Years)	Amount of Delinquency (Tax Only)	Date of Last Notice	Status of Compliance
Selecman, James	5 Years	\$1,476.29	06/14/18	Compliant - monthly payment plan
Ernest J. Fore	3 Years	\$1,269.94	06/06/18	Compliant
Granny's Cottage Inc	2 Years	\$134.40	06/07/18	Not Compliant
Nelson H Head	1 Year	\$428.32	06/07/18	Compliance Pending
Lance R Houghton	0 Years	\$406.00	05/31/18	Compliant
River Mill Investments LLC	1 Year	\$308.28	06/07/18	Not Compliant
River Mill Investments LLC	1 Year	\$375.24	06/07/18	Not Compliant
Frederick Sales	2 Years	\$279.96	06/07/18	Not Compliant

### Other Items of Note

None.



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 314 MILL STREET, P.O. BOX 195  
 OCCOQUAN, VIRGINIA 22125  
 703-491-1918, EXT. 2 FAX 703-491-4962

**ARTS AND CRAFTS SHOW REPORT**  
 June 2 and 3, 2018 - Preliminary  
**SPRING 2018 ARTS AND CRAFTS SHOW**

CATEGORY	Spring 2017 VENDORS	Spring 2018 VENDORS <sup>1</sup>	NEW SPRING '18
Merchants	35	27	6
Food	15	18	7
Buy-Sell <sup>2</sup>	37	26	13
Non-Profit	10	15	5
Crafter	131	136	37
Sponsors	8	0	0
<b>TOTAL</b>	<b>236</b>	<b>222</b>	<b>68</b>

**Expenditures (Budgeted vs. Actual)**

Expenditure Category	Budgeted Cost	Actual Cost	(+/-)
Buses	\$15,000	\$15,179	\$179
Rentals - Table/Chair & Portable Johns	\$2,500	\$2,492	(\$8)
Day of Show Support	\$2,000	\$1,600	(\$400)
Security/Traffic Control	\$8,100	\$7,320	(\$780)
Advertising	\$7,000	\$5,030	(\$1,970)
Materials and Supplies	\$3,200	\$3,238	\$38
Entertainment	\$2,000	0	(\$2,000)
Indirect Expenses (Salaries & Wages)	\$14,260	\$13,614	(\$646)
<b>TOTAL EXPENSE</b>	<b>\$54,060</b>	<b>\$48,473</b>	<b>(\$5,587)</b>

**Revenue (Budgeted vs. Actual)**

Revenue Category	Budgeted Revenue	Actual Revenue	+/-)
Booth Rentals	\$77,185	\$65,906	(\$11,279)
Late Fees	\$1,000	0	(\$1,000)
Sponsors <sup>2</sup>	\$4,000	0	(\$4,000)
Parking (Vendors)	\$2,250	\$2,963	\$563
Bus Fees <sup>3</sup>	\$22,185	\$10,343	(\$11,842)
Merchandise	\$75	\$24	(\$51)
Craft Show Fund Interest	\$1,500	\$600	(\$900)
<b>TOTAL REVENUE</b>	<b>\$108,195</b>	<b>\$79,836</b>	<b>(\$28,359)</b>

<b>Actual Total Revenue</b>	<b>Actual Total Expense</b>
\$79,836	\$48,473
<b>NET REVENUE</b>	<b>\$31,363</b>

**Actual vs. Budget**

	<b>FY 18 Budget (Per Show)</b>	<b>Actual Spring 2018</b>	<b>+/-)</b>
<b>REVENUE</b>	\$108,195	\$79,836	(\$28,359)
<b>EXPENSES</b>	\$54,060	\$48,473	(\$5,587)
<b>NET REVENUE</b>	<b>\$54,135</b>	<b>\$31,363</b>	<b>(\$22,722)</b>

**Previous Spring Shows' Net Revenue**

2017	\$54,295
2016	\$53,608
2015	\$52,353
2014	\$54,360
2013	\$61,513

<sup>1</sup>Indicates number of individual vendors, not number of booths sold.

<sup>2</sup>Sponsorships and service vendors were declined for this show for an estimated loss of \$9,000.

<sup>3</sup>Severe weather event heavily impacted patronage and shuttle bus revenue during Spring 2018 show.



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 Kirstyn Barr Jovanovich

**CHIEF OF POLICE/  
 TOWN SERGEANT**  
 Adam C. Linn

## Occoquan Police Department

### Monthly Town Council Report June 2018

#### Departmental Goals

*(Set by Town Council in February 2016)*

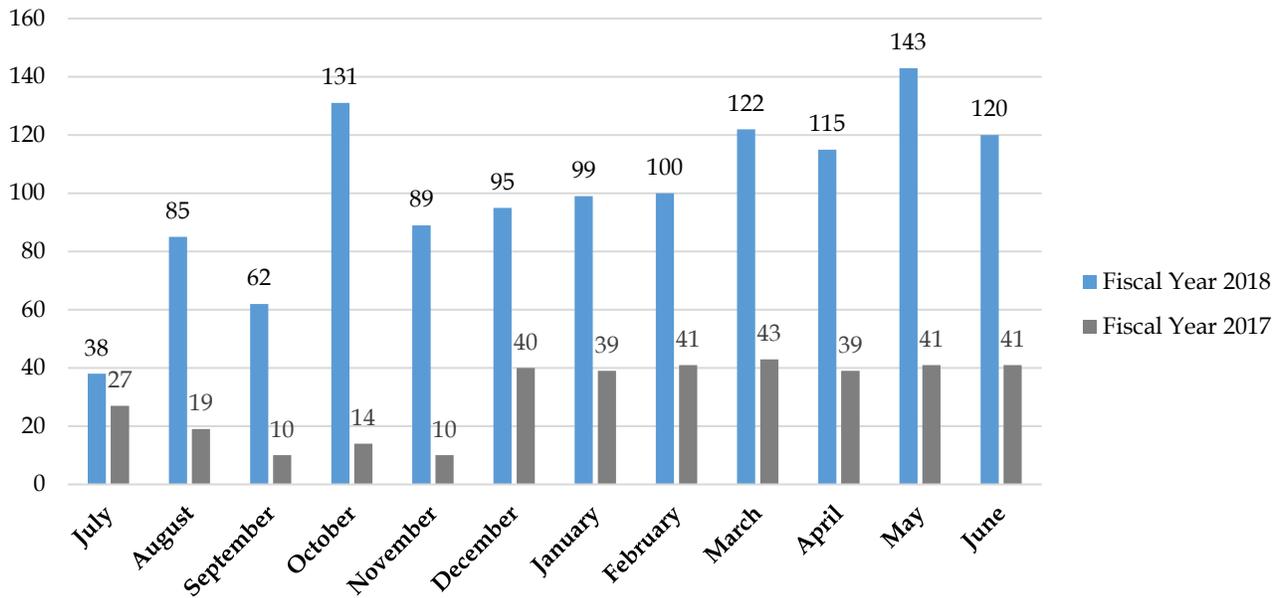
- Goal 1: Protection of private property
- Goal 2: Improvement of pedestrian safety
- Goal 3: Increased patrol hours including nights and weekends
- Goal 4: Prioritizing community meetings outside of town
- Goal 5: Updating department policies

#### Significant Incidents

Nature	Date	Location	Details
Trespassing Complaint	5/30/2018	Town	Received complaint of person and dog trespassing on Fortress Way. Responded and spoke with complainant and alleged trespasser.
Motorist Assist	5/31/2018	Town	Received a complaint that a vehicle was blocking Union St. near Ellicott St. Responded and assisted motorist have disabled vehicle towed from roadway.
Neighbor Complaint	6/1/2018	Town	Received a complaint about harassment by a neighbor in Barrington Point community.
Animal Complaint	6/1/2018	Town	Received a complaint of dog walker walking on Mill Street and Washington
Court	6/7/2018	Manassas	Attended General District Court.
Subject with a Gun	6/13/2018	Town	Responded to Gordon Blvd/Fairfax County Line for call of driver brandishing a gun. Responded and located vehicle on Occoquan Road. PWCPD responded.
Court	6/14/2018	Manassas	Attended General District Court.
Trespassing	6/18/2018	Town	Responded to a report of trespassing on West Locust St.

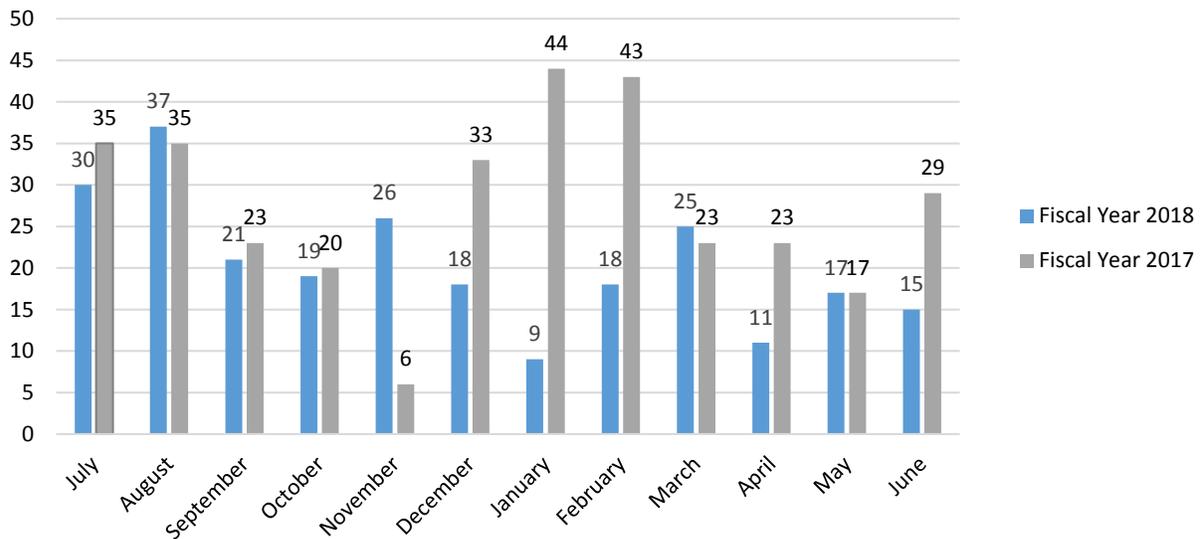
Suspicious Activity	6/20/2018	Town	Received a report of individual(s) looking into vehicles and around properties on West Locust St. Responded and spoke with Complainant.
Motorist Assist	6/21/2018	Town	Observed a disabled vehicle on Commerce St. Assisted Motorist get vehicle of roadway and call for assistance.
Suspicious Vehicle	6/21/2018	Town	Observed two individuals engaged in inappropriate activities in a vehicle under the 123 Bridge. Identified individuals and advised them of law and sent them on their way.
Motor Vehicle Accident	6/21/2018	Town	Dispatched to 2 car accident on Gordon Blvd near Commerce St. Property damage only so assisted with information exchange.
Neighbor Complaint	6/22/2018	Town	Received complaint regarding neighbor placing trash can in front of downspout causing potential water damage on River Road.
Motorist Assist	6/23/2018	Town	Responded to Gordon Blvd and Commerce St. for a truck broken down. Assisted motorist get vehicle off roadway.
Suspicious Person	6/23/2018	Fairfax	Responded to complaint that a person was stumbling around in traffic on Gordon Blvd. Located person on Fairfax county side of bridge. Contacted Fairfax County Police for alleged kidnapping victim.
Motor Vehicle Accident	6/23/2018	Fairfax	While waiting for Fairfax County Police to respond to above, observed auto accident on Route 123 and assisted with accident and traffic control.
Motorist Assist	6/23/2018	Town	Responded to 123 Bridge for a disabled vehicle. Located vehicle and assisted motorist.
Person in Roadway	6/23/2018	Town	Responded to 123 Bridge for possible overdosed person on bridge. Located individual in roadway and called rescue. Assisted with transporting person to hospital.

**Traffic Summonses FYTD (GRAPH) <sup>1</sup>**



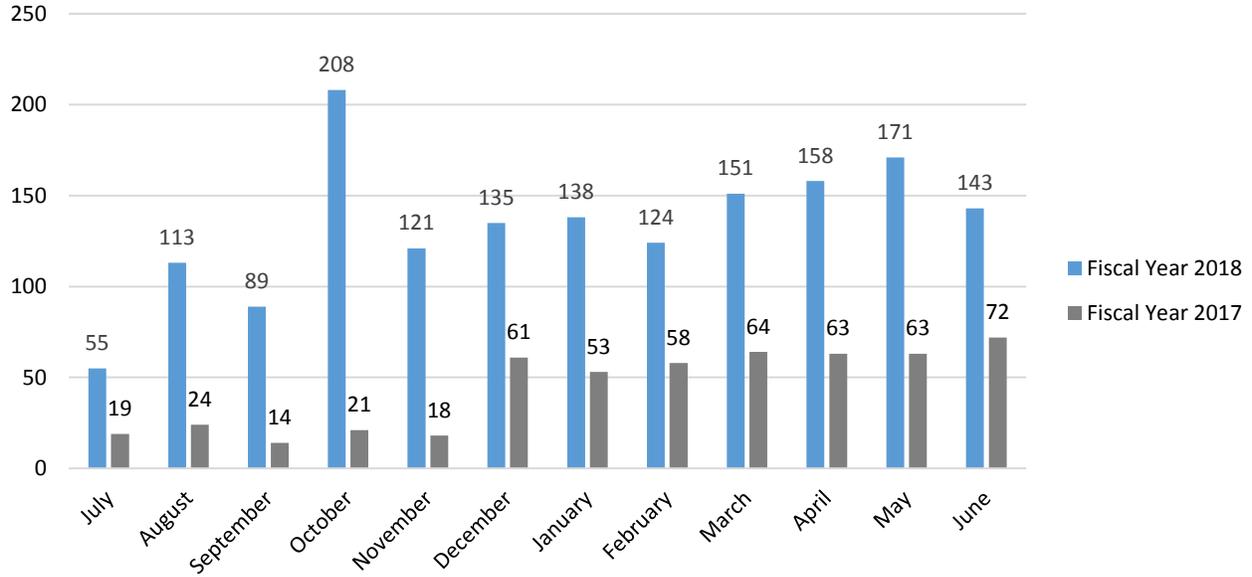
<sup>1</sup>Goals 1, 2

**Parking Tickets Issued FYTD (GRAPH) <sup>2</sup>**



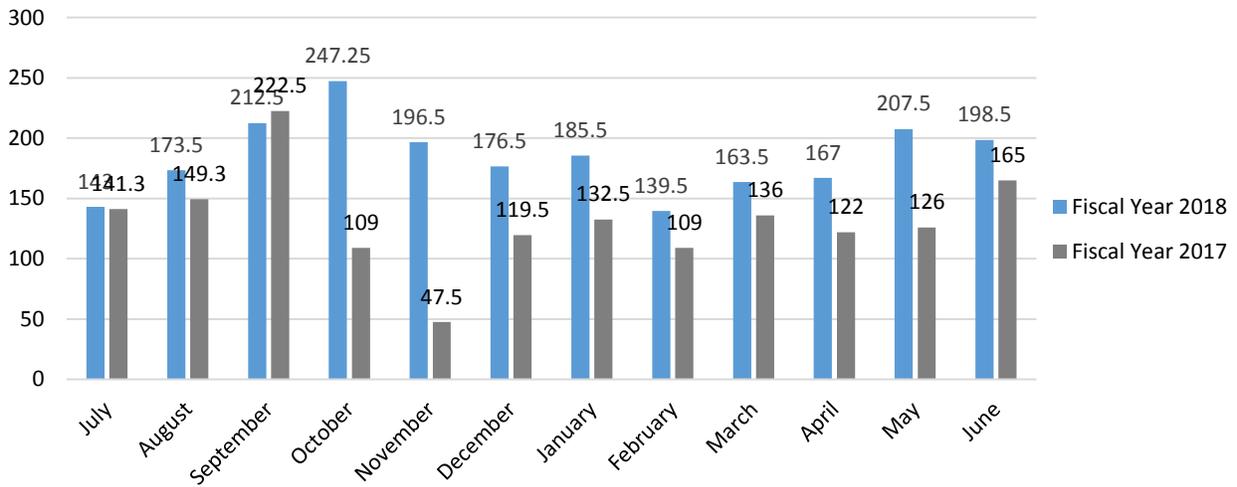
<sup>2</sup>Goal 2

**Traffic Stops YTD (GRAPH)**<sup>3</sup>



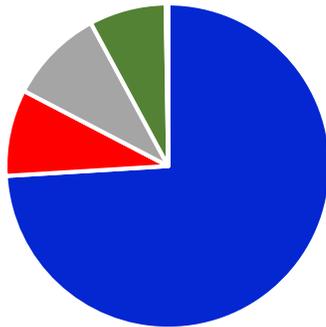
<sup>3</sup>Goal 2

**Patrol Hours FYTD (GRAPH)**<sup>4</sup>



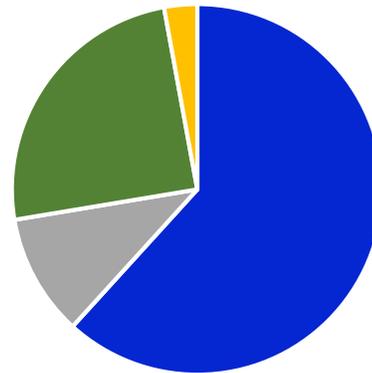
<sup>4</sup>Goals 1, 2, 3

Total Administrative/Training Hours FYTD



■ Linn ■ Volunteer Admin ■ Barker ■ Neff ■ Feliciano

Total Patrol Hours FYTD



■ Linn ■ Barker ■ Neff ■ Feliciano

### Community Relations

Provided patrol and visibility during Arts and Crafts Show. Continued Pedestrian Safety Campaign. Provided patrol and visibility throughout Town, including foot patrols through Historic Downtown and residential areas on Washington Street, East Colonial Drive, and Mill Cross. Continued stop sign and speed compliance details.

### Current Initiatives

Working with town officers to increase patrols and visibility on nights and weekends.<sup>1</sup> started field training with town officers and worked with volunteer staff to address administrative needs of Police Department.

Directed speed enforcement patrols on Washington Street. Directed traffic enforcement on Commerce Street and Gordon Boulevard (Block the Box and Driving off Roadway) and Cut-through traffic on Poplar Alley.<sup>2</sup>

<sup>1</sup>Goal 3

<sup>2</sup>Goal 2



# TOWN OF OCCOQUAN

## TOWN COUNCIL MEETING

### Agenda Communication

<b>9. Regular Business</b>	<b>Meeting Date:</b> July 3, 2018
<b>9A: Request to Approve Mobilitie Site License Agreement</b>	

#### **Explanation and Summary:**

During the June 5, 2018 meeting, Town Council awarded a franchise agreement with Mobilitie, LLC for locating telecommunications equipment on existing utility poles within the Town's right-of-ways.

Mobilitie has submitted a request to locate telecommunications equipment on an existing utility pole on Commerce Street. See the attached site information. During the June 5 meeting, when discussing the site license request, Town Council requested additional information regarding the RF-EME measurements to ensure the equipment is in compliance with FCC guidelines. As a result, the item was deferred until the report could be provided by Mobilitie. The report is attached to this agenda item.

This is a request for Town Council to approve the site license agreement for this location under the franchise agreement with Mobilitie, LLC.

Under the franchise agreement, Mobilitie is required to submit a site license application for each requested site. Each site license will require a one-time use fee of \$1,000 for the site, and an annual payment of \$12 per linear foot of pole height between the lowest and highest points that the equipment occupies the pole. The Franchise does not allow for the installation of new poles.

**Town Attorney's Recommendation:** If the RF-EME study is acceptable to the Town Council, recommend approval of the site license.

**Town Engineer's Recommendation:** Concur with the Town Attorney's recommendation.

**Town Manager's Recommendation:** Concur with the Town Attorney's recommendation.

**Cost and Financing:** N/A

**Account Number:** N/A

9A: Request to Approve Mobilitie Site License Agreement  
Town Council Regular Meeting

July 3, 2018

**Proposed/Suggested Motion:**

"I move to approve Mobilitie site license as presented for the identified location on Commerce Street."

OR

Other action Council deems appropriate.

**Attachments: (3)**    Mobilitie-Occoquan Site License  
                              Occoquan Site Exhibit  
                              RF-EME Measurements and Compliance Report

SITE LICENSE

SITE: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

THIS SITE LICENSE (this "**License**"), made and entered into this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by and between TOWN OF OCCOQUAN, a Municipal Corporation of the Commonwealth of Virginia, with an address of 314 Mill Street, Occoquan, Virginia 22125, herein referred to as "**Town**" and MOBILITIE, LLC, a Nevada limited liability company, with an address of 660 Newport Center Dr., Ste 200, Newport Beach, CA 92660, herein referred to as "**Licensee**," (individually referred to as a "**Party**", and jointly referred to as the "**Parties**") recites and provides as follows:

**RECITALS**

1. On \_\_\_\_\_, the Town has granted Licensee a franchise for the use of Town-owned streets, avenues, parks, bridges, and other public places ("**the Franchise**"), under the terms of which the Licensee may apply for site licenses for specific sites on which to locate telecommunication equipment as more particularly described below in this License. Permission to use a specific site is granted under this License.
2. Town is the owner of an area of public right-of-way in Occoquan, Virginia as described in **Exhibit 1** attached hereto and incorporated herein by reference (the "**Site**"). The Town retains the right to use the Site except as provided in the Franchise and this License.
3. Licensee is a limited liability company duly organized and validly existing under the laws of Nevada and in good standing under the laws of the Commonwealth of Virginia, and is duly authorized to do business in the Town of Occoquan, Virginia; and has all requisite power and authority to accept, execute, deliver and perform this License and all agreements entered into or delivered in connection with or as contemplated hereby.
4. Licensee intends to co-locate on an existing pole or replace an existing pole as shown in Exhibit 1 (the "**Pole**") on the Site in conformity with the requirements of this License and all applicable laws, and to connect to the locally available electrical grid to serve the facilities on the Pole. Licensee intends to use space on the Pole to operate its telecommunications that it owns or is owned by other wireless communications providers in compliance with the terms of this License. Licensee does not intend to sublet or assign this License except as provided in the Franchise or this License.
5. The Parties now desire to set forth the terms pursuant to which Town shall license use of the Site to Licensee for the purposes just described.

NOW, THEREFORE, in reliance upon the Recitals set forth above, and for and in consideration of the mutual agreements set forth below, and other good and valuable

consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows.

## 1. LICENSE OF SITE:

a. Subject to and in accordance with the provisions of this License, Town hereby licenses to Licensee the Site, shown in Exhibit 1, Sheet Number SP-1 attached hereto, for the purposes of replacing the Pole and/or the installation, maintenance, replacement and removal of various attachments to the Pole, consisting of power cables, conduit, power distribution panel, radio head, GPS antennas, UE relay, omnidirectional antenna, and other associated equipment (“**Licensee Facilities**”), all as shown on Sheet Number EV-1 of Exhibit 1.

b. The Site shall be licensed to Licensee on a non-exclusive basis. Town and its invitees, permittees, franchisees, agents and contractors expressly reserve the right to have, and shall have, free and full use of the Site. Licensee shall erect no signs on the Site except as shown on Exhibit 1. This License grants Licensee no right to use structures, facilities or equipment belonging to Town except as expressly stated herein.

c. Town and Licensee acknowledge that the exact location of the Site is, as of the date of the execution of this License, the Parties’ current intent with respect thereto, but the final location of the Site may be subject to modification (by written agreement of the Town Manager or designee and an authorized agent of Licensee) based upon Site conditions. Licensee and Town therefore each covenant and agree, subject to each Party’s approval as required in the immediately preceding sentence, to execute an As-Built Location Addendum hereto at such time as the final location of the Site is determined in the event that such location differs from that as set forth on Exhibit 1. **Licensee has inspected the Site and accepts the same “AS IS” and in its present condition without any representation or warranty of Town except any that may be expressly set forth in this License.**

d. Licensee acknowledges and agrees that it is solely responsible for performing all necessary due diligence regarding the Site, including confirming by way of a title report and examination that Town holds legal title to the Site and that no matters affecting title to the Site prohibit, impair or require third party consent to the licensing of the Site to Licensee, the construction of the improvements contemplated hereunder or any other matter relating or pertaining to this License (the “**Due Diligence Matters**”). In no event shall Town have any responsibility for or liability with respect to the Due Diligence Matters. Licensee agrees to strictly comply, at its sole cost and expense, with all recorded documents, instruments and agreements affecting title to the Site.

e. For the rights and privileges granted in this License, Licensee shall pay to the Town (i) a one-time use fee of \$1,000 for the Site, and (ii) beginning with the first day of the month after which Licensee Facilities are installed on a Pole at the Site, and thereafter on each subsequent yearly anniversary of such day during the term and any extension term of this License, Licensee shall pay to the Town, in legal tender of the United States of America without demand, setoff or deduction whatsoever, an annual license fee (“**Rent**”) in an amount equal to \$12.00 per linear foot of Pole height between the lowest and highest points that Licensee’s equipment occupies on a Pole. For the avoidance of doubt, solely for purposes of this Section

1e, the term “Pole” shall include any Licensee-owned pole approved by the Town and installed on the Site.

## **2. MUTUAL ACCESS:**

a. Licensee SHALL HAVE nonexclusive access through adjoining and adjacent portions of the Site, as shown on Exhibit 1 for **Grantee’s Work** (as defined in Section 8 of the Franchise).

b. Following reasonable prior notice to Licensee, the Town shall have access to the Licensee Facilities for any governmental purpose, including safety inspections, in accordance with the terms and conditions of this License and the Franchise.

## **3. USE OF SITE:**

Licensee shall use the Site solely for construction, installation, maintenance, removal, operation and leasing of the Licensee Facilities on the Pole. Town makes no representation or warranty whether such use is permitted by any laws or regulations applicable to the Site, and Licensee is solely responsible for determining whether such use is permitted, and for securing all necessary licenses, permits and approvals therefor.

## **4. TERM:**

a. This License shall terminate upon expiration or termination of the Franchise, commencing on the date of the final execution and delivery of this License, unless sooner terminated or extended under the provisions of this License. Notwithstanding the foregoing, if the Licensee Facilities are not installed within twelve (12) months after the date Licensee obtains all required governmental approvals and permits, this License may be terminated by Town after giving thirty (30) days written notice to Licensee, unless Licensee installs the Licensee Facilities on the Pole during the thirty-day notice period. In addition, Licensee or Town may terminate this License with sixty (60) days prior notice if (i) Licensee is unable to obtain or maintain in force all necessary governmental approvals or (ii) interference by or to Licensee’s operation cannot, despite good faith efforts by Licensee, be resolved. In addition, Licensee may terminate this License with sixty (60) days prior notice to Town if (i) a material change in government regulations makes it impractical, unlawful, impossible or uneconomic for Licensee to continue to operate the Licensee Facilities under this License, (ii) the Pole to which Licensee Facilities are attached or Licensee Facilities are destroyed or damaged or taken in whole or in part (by condemnation or otherwise) to such an extent, in Licensee’s reasonable judgment, as to adversely affect Licensee’s use of Licensee Facilities or (iii) if, after the execution of this License, Licensee is unable to operate the Licensee Facilities due to the action of the Federal Communications Commission (the “**FCC**”) or by reason of any law, physical calamity, governmental prohibition or other reasons beyond Licensee’s control, subject to Licensee’s restoration obligations under Section 4b of this License. Licensee may terminate this License for convenience at any time by providing notice to Town.

b. At the end of the term of this License, whether by the passage of time or the exercise by any party of any right of termination, Licensee shall surrender the Site to Town in the

condition specified in this Section 4b. Unless otherwise agreed to in writing by the Parties, within ninety (90) days after the end of the term of this License, Licensee shall remove the Licensee Facilities from the Site and restore any disturbance it has made to the Site through installation or removal of Licensee Facilities. If Licensee fails to do so, the Licensee Facilities shall be deemed abandoned and Town may, but is not required to, remove the Licensee Facilities and dispose of them in any fashion it deems fit. Licensee shall reimburse Town for the cost of disposal and removal of the Licensee Facilities.

c. The Licensee Facilities shall during the term of this License be deemed the personal property of Licensee.

## **5. UTILITIES, TAXES, MAINTENANCE:**

a. Licensee shall be solely responsible for all costs and expenses relating to the connection, disconnection, consumption and use of any utilities and/or services in connection with Licensee Facilities including, without limitation, any electric consumption by its equipment, and Licensee agrees to pay all costs for service and installation of an electric meter directly to the local utility company.

b. Licensee shall be responsible for the declaration and payment of any applicable taxes or assessments against the Licensee Facilities or other equipment owned or used by Licensee or allocable (on a pro rata basis) to the Site, including but not limited to any sales and property taxes. During the term, Licensee shall be responsible for the timely payment of all taxes levied upon the improvements on the Site.

c. Licensee shall at all times during the term of this License, at its own expense, maintain the Licensee Facilities in proper operating condition and maintain same in reasonably good condition, and will repair any damage except that caused by Town, its agents or servants. Licensee agrees that it will inspect the Site no less frequently than once every year. Licensee shall not damage the Site.

d. Licensee shall maintain the Licensee Facilities at all times in compliance with Town's rules and regulations and all governmental rules, regulations and statutes including, without limitation, requirements of the FCC, the Federal Aviation Administration (the "**FAA**"), and other federal, state or local government authorities having jurisdiction over the Pole.

e. Licensee shall be solely responsible, at its sole cost and expense, for keeping the Licensee Facilities at all times in reasonably good order, condition and repair, and in compliance with all applicable laws, ordinances and rules. Licensee shall cause the Licensee Facilities to be regularly inspected and preventative maintenance to be performed in accordance with the standards of the industry, but in no event less frequently than once every three (3) years. In no event shall Town be required to maintain or repair the Licensee Facilities, or pay or reimburse Licensee for any costs associated therewith.

## 6. CONSTRUCTION BY LICENSEE:

a. Licensee shall use good faith and commercially reasonable efforts to obtain all necessary permits and approvals, including, without limitation, those required by the FAA and the FCC, for construction and operation of the Licensee Facilities. After obtaining the necessary permits and approvals therefor, Licensee, at its sole cost and expense, shall perform or cause to be performed all of the following work:

i. Subject to Town's approval as provided in Section 6d of this License, performing or causing to be performed all other improvements and work associated with the work described above that may lawfully be required by the Town of Occoquan or any other governmental body or official having jurisdiction, as part of or in connection with the work described above.

b. Licensee's agreement to perform or cause to be performed at its expense all of the work described in this License, all at Licensee's cost and expense, shall be construed broadly to provide for all costs and liabilities of such work, whether or not such costs are anticipated and without regard to Licensee's present estimates for the cost of same, so that all of such work is fully and properly performed and paid for by Licensee, and upon completion of same the Site, as altered by such work, is as fully functional and suitable for continued use by Town as it was prior to the start of Licensee's work. Accordingly, the term "**Work**" shall include, without limitation, all of the following work, and Licensee's promise to pay for such Work shall include, without limitation, all of the costs and liabilities associated with the following: Grantee's Work (as defined in Section 8 of the Franchise), all labor and materials; design work; legal and professional fees of Licensee's consultants; permit drawings and materials; construction costs; construction equipment and materials; utilities extension or relocation; provision of protective fencing and other safety measures; maintenance; removal of construction related debris from the Site; liability, property and workers' compensation insurance premiums; bond fees; development and construction permits; inspections and approvals; replacement or relocation of landscaping; re-paving or re-striping of any damaged or disturbed paved areas whether for traffic control, parking or otherwise; relocation, replacement or provision of new safety and traffic/directional signage; connection of new sidewalks, drives, parking areas and other facilities to Town's existing facilities; and the repair and restoration of any item, place or thing required as a result of any damage to the Site caused in the prosecution of the Work contemplated by this License.

c. Licensee shall cause construction of the Licensee Facilities to be commenced as soon as practicable after receipt of all necessary permits and approvals and to be completed within a reasonable time thereafter, not to exceed twelve (12) months from the date Licensee obtains all required governmental approvals, certificates and permits, excepting periods of delay caused by *force majeure*. Once its work on the Licensee Facilities is initiated, Licensee shall diligently and continuously prosecute such work to final completion (including obtaining all required inspections and approvals) in a timely manner in accordance with a schedule to be agreed upon in advance by Town and Licensee (the "**Initial Construction Schedule**"). Such schedule shall limit construction activities to such days and times as Town may require to avoid any material and adverse impacts on the use and operation of the Site. Licensee shall keep Town fully apprised of any events that might impact the Initial Construction Schedule.

d. The Licensee Facilities, and each component thereof constructed by Licensee, shall be constructed by Licensee in a good and workmanlike manner and in accordance with the plans, drawings and specifications prepared and provided by Licensee for Town's prior review and written approval, which approval shall not be unreasonably withheld, conditioned or delayed. Construction and installation of the Licensee Facilities by Licensee shall be in compliance with all applicable rules and regulations including, without limitation, the customary specifications and requirements of Town and those of the Occupational Safety and Health Administration ("**OSHA**"), the FCC, the FAA, and regulations of any governmental agency (town, county, state or federal) including, but not limited to the applicable requirements of the local planning and zoning and building, electrical, communications and safety codes of the Town. Licensee shall use commercially reasonable efforts to cause all work and facilities to be installed free, and remain free, of mechanics', materialmen's and other liens, and claims of any person or entity. Licensee agrees to defend, with counsel approved by Town, and to indemnify and save Town harmless, from all loss, cost, damage or expense including, without limitation, reasonable attorneys' fees, to the extent caused by the Work contemplated by this License, and shall bond off or discharge any such liens or other claims within thirty (30) days after written notice from Town.

e. Prior to commencing any activities on the Site pursuant to this License, Licensee shall provide Town with evidence reasonably satisfactory to Town that Licensee and/or its contractors and agents who will be working on the Site are covered by insurance as required by the Franchise.

f. Licensee shall restore all of Town's facilities physically altered by Grantee's Work to the reasonable satisfaction of the Town.

## **7. PERMITS AND SITE SPECIFICATIONS:**

It is understood and agreed by the Parties that Licensee's ability to use the Site is contingent upon its obtaining after execution of this License, all of the certificates, permits and other approvals that may be required by federal, state or local authorities for Licensee's use of the Site as set forth in this License. Licensee shall use all reasonable efforts promptly to obtain such certificates, permits and approvals, at Licensee's sole expense. Town will cooperate reasonably with Licensee at Licensee's sole cost and expense, in its effort to obtain such approvals, provided that Town shall be reimbursed for all reasonable expenses incurred in providing such cooperation within thirty (30) days of incurring the expenses, and provided further that obtaining Licensee's permits, certificates and approvals shall not result in the imposition of any material restrictions or limitations or adverse impacts on the Site or Town's use, operation improvement or redevelopment thereof. In the event any such applications should be finally rejected or any certificate, permit, license or approval issued to Licensee is canceled, expires or lapses, or is otherwise withdrawn or terminated by governmental authority, or soil boring tests are found to be unsatisfactory so that Licensee will be unable to use the Site for the purposes set forth herein, both Licensee and Town shall have the right to terminate this License by giving the other party thirty (30) days' prior notification of termination within sixty (60) days after receiving notice of the event which is the basis of termination. Upon such termination, the Parties shall have no further obligations for charges and liabilities which accrue after the

effective date of termination, including the payment of monies, to each other except as otherwise provided herein, but Licensee shall be liable to restore the Site in accordance with Section 4b.

## **8. INTERFERENCE:**

Licensee agrees to install equipment of a type and frequency which will not cause frequency interference with other forms of legally authorized radio frequency communications existing on Town's property or in the vicinity as of the date of this License or as may be in existence in the future (so long as reasonably prevalent). All such equipment shall fully comply with all FCC, FAA, OSHA and other governmental (whether federal, state, or county) rules and regulations. In the event Licensee's equipment causes such interference, Licensee agrees it will take all steps necessary, or shall cause all such steps to be made, to correct and eliminate the interference consistent with all government rules and regulations upon receipt of written notification of the interference, provided that the notifying party is operating on spectrum that it is legally authorized to use for such purpose. Licensee shall be obligated to correct the problem of interference within forty-eight (48) hours of receipt of written notice from Town. If the interference is not corrected within such forty-eight (48) hour period, Town shall have the right, or shall have the right to cause Licensee, to disconnect or terminate power to any interfering equipment or turn such equipment off (other than for short tests to determine the nature of the interference, provided that Town reasonably approves of such tests in advance). Thereafter, Licensee may attempt to correct such interference, which may include reactivating the equipment or restoring power thereto for short periods of testing, provided that Town reasonably approves of such reactivation or restoration in advance, for a period of one hundred and twenty (120) days. If such interference cannot be cured within such one hundred and twenty (120) day period, Town shall have the right, or shall have the right to cause Licensee to, immediately remove the interfering equipment from the Pole. Notwithstanding the foregoing, and to the extent any Town approved test requires the facilitation or cooperation of Town, Town agrees, subject to the other provisions of this License, to act reasonably with such facilitation or cooperation.

## **9. EVENT OF DEFAULT:**

- a. Any of the following shall be an event of default by Licensee under this License:
  - i. If Licensee or its assigns shall fail or neglect to keep and perform any one of the terms of this License and such failure or neglect continues for more than thirty (30) days (or such longer period as may be reasonable, provided Licensee is attempting a cure with all due diligence, not to exceed one hundred twenty (120) days plus any period of where cure is prevented by *force majeure*) after Town gives written notice specifying the default;
  - ii. If Licensee abandons the Site for a period of more than twelve (12) consecutive months;
  - iii. If Licensee files a petition in bankruptcy or insolvency or for reorganization or arrangement under the bankruptcy laws of the United States or under any insolvency act of any state, or is dissolved or makes an assignment for the benefit of creditors, or

if involuntary proceedings under any bankruptcy laws or insolvency act or for the dissolution of Licensee are instituted against Licensee, or a receiver or trustee is appointed for all or substantially all of Licensee's property, and the proceeding is not dismissed or the receivership or trusteeship is not vacated within sixty (60) days after institution or appointment; or

iv. If any final judgment or judgments in an aggregate amount (including interest and costs) of more than \$500,000.00 is entered against Licensee, and any such judgment or judgments shall not have been paid or otherwise discharged within sixty (60) days after all applicable appeal periods have terminated.

b. In the case of any event of default, Town shall have the right to terminate this License upon thirty (30) days' notice and shall have any additional rights and remedies that may be available at law or in equity.

c. Town may enforce any provision of this License by self-help or an action for mandamus or injunction. If the Town uses self-help to enforce any provision of this License or to obtain possession after termination of this License, Licensee shall, upon demand, pay the Town its reasonable and actual costs of obtaining possession and enforcing the provisions of this License. If the Town obtains a judgment, writ of mandamus, or an injunction to enforce any provision of this License, Licensee shall pay the Town its cost of litigation, including a reasonable attorney's fee and expert witness fees.

## **10. HAZARDOUS MATERIALS:**

a. Licensee shall not cause or permit any hazardous or toxic wastes, substances or materials (collectively, "**Hazardous Materials**") to be used, generated, stored or disposed of on, under or about, or transported to or from, the Site (collectively "**Hazardous Materials Activities**"), except in compliance (which shall be at Licensee's sole cost and expense) with all applicable legal requirements and using all necessary and appropriate precautions. Licensee shall indemnify, defend with counsel acceptable to Town and hold Town harmless from and against any claims, damages, costs and liabilities, including court costs and legal fees, arising out of Licensee's Hazardous Materials Activities on, under or about the Site, regardless of whether or not Town has approved Licensee's Hazardous Materials Activities. For the purposes of this License, Hazardous Materials shall include but not be limited to oil, radioactive materials, PCBs, and substances defined as "hazardous substances" or "toxic substances" in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, 42 U.S.C. Sec. 9601 et seq.; Hazardous Materials Transportation Act, 49 U.S.C. Sec. 5101 et seq.; and Resources Conservation and Recovery Act, 42 U.S.C. Sec. 6901 et seq., and those substances defined as "hazardous wastes" in the regulations adopted and publications promulgated pursuant to said laws. If Licensee's activities violate or create a risk of violation of any legal requirements, Licensee shall cease such activities immediately upon receiving notice from Town. Town, Town's representatives and employees may enter the Site at any time during the term to inspect Licensee's compliance herewith, and may disclose any violation of legal requirements to any governmental agency with jurisdiction. The provisions of this Section 10 shall survive termination or expiration of the term of this License for a period of three years.

b. Town acknowledges that Licensee's equipment cabinets shall contain batteries for back-up power and that, provided Licensee's use of same is in compliance with this provision, the presence of such batteries does not violate this provision if such batteries comply with all laws, regulations and ordinances relating to Hazardous Materials.

c. Licensee will immediately notify Town and provide copies upon receipt of all written complaints, claims, citations, demands, inquiries, reports, or notices relating to the condition of the Site or compliance with environmental laws. Licensee shall promptly cure and have dismissed with prejudice any of those actions and proceedings to the satisfaction of Town. Licensee will keep the Site free of any lien imposed pursuant to any environmental laws.

d. Town shall have the right at all reasonable times and from time to time to conduct environmental audits of the Site, and Licensee shall cooperate in the conduct of those audits. The audits may be conducted by Town or a consultant of Town's choosing, and if any Hazardous Materials generated, stored, transported or released by Licensee in violation of applicable laws are detected or if a violation of any of the representations or covenants in this Section 10 is discovered, the fees and expenses of such consultant will be borne by Licensee.

e. If Licensee fails to comply with any of the foregoing representations and covenants, Town may cause the removal (or other cleanup acceptable to Town) of any Hazardous Materials from the Site. The actual and reasonable costs of removing Hazardous Materials and any other cleanup (including transportation, disposal, and storage costs) shall be reimbursed by Licensee promptly after Town's demand. Licensee will give Town access to the Site to remove or otherwise clean up any Hazardous Materials. Town, however, has no affirmative obligation to remove or otherwise clean-up any Hazardous Materials, and this License will not be construed as creating any such obligation.

f. Notwithstanding the foregoing, Town represents and warrants that to the best of its knowledge and belief there are no Hazardous Materials on, in or under the Site. Town covenants not to bring onto the Site any Hazardous Materials.

#### **11. NO PARTNERSHIP:**

Nothing contained in this License shall be deemed or construed to create a partnership or joint venture of or between Town and Licensee, or to create any other relationship between the Parties hereto other than that of Town and Licensee.

#### **12. NOTICES:**

All notices, payments, demands and requests hereunder shall be in writing and shall be deemed to have been properly given three (3) days after the date when mailed by the United States Postal Service by First Class, Registered or Certified Mail, postage prepaid, or upon receipt when delivered by nationally recognized overnight courier or hand delivery, and addressed to the Town as follows:

TOWN: Town of Occoquan  
Attn: Town Manager  
Town Hall  
314 Mill Street  
P. O. Box 195  
Occoquan, Virginia 22125

with a copy, which will not constitute  
notice to:

Vanderpool, Frostick & Nishanian  
9200 Church Street, Ste 400  
Manassas, VA 20110  
Attn: Martin Crim, Town Attorney

and to Licensee as follows:

with a copy, which will not constitute  
notice to:

Mobilitie, LLC  
660 Newport Center Drive, Suite 200  
Newport Beach, CA 92660  
Attention: Asset Management

Mobilitie, LLC  
660 Newport Center Drive, Suite 200  
Newport Beach, CA 92660  
Attention: Legal Department

or to such other addresses as either of the parties may designate from time to time by giving written notice as herein required.

### **13. DAMAGE AND DESTRUCTION:**

If the Licensee Facilities cause damage to portions of the Site or other property of Town, Licensee will immediately notify Town after becoming aware of such damage. If Licensee Facilities fall across travel lanes or sidewalks, Licensee shall immediately clear such travel lanes or sidewalks of the Licensee Facilities at Licensee's expense. If Licensee fails to immediately clear travel lanes or sidewalks as set forth in this Section 13, Town may take such action as necessary to mitigate or remove hazards to the public, without notice to Licensee and without liability to Licensee for any incidental damage to Licensee's property, and bill the Licensee for Town's expenses in doing so. Licensee shall reimburse the Town within ten business days of receipt of an invoice showing Town's expenses as provided in this Section 13.

### **14. CONDEMNATION:**

If all or any part of the Site is taken by eminent domain or sale in lieu thereof, and if said taking or sale renders the Site unusable for its intended purpose hereunder, then, at Town's or Licensee's option, this License may be terminated upon sixty (60) days prior written notice to the other party and there will be no further payment of access or additional fees except those which may have been due and payable at the time of said taking or sale. In connection with any taking subject to this Section, Licensee may prosecute its own claim, by separate proceedings against the condemning authority for damages legally due to it (such as the loss of fixtures which Licensee was entitled to remove and moving expenses) only so long as Licensee's award does not diminish or otherwise adversely affect Town's award.

**15. SALE OF SITE:**

Any sale by Town of all or part of the Site to a purchaser other than Licensee shall be under and subject to this License and Licensee's right hereunder. Town shall be released from its obligations under this License in the event of a sale and the assignee assumes Town's obligations hereunder (including the recognition of Licensee's rights hereunder).

**16. INTERPRETATION:**

The Franchise and this License plus the Exhibits hereto contain the entire agreement between the Parties relating to the use of the Site and may not be amended, altered or otherwise changed except as expressly provided for herein, or by a subsequent writing signed by the Parties to this License. The invalidation of any one of the terms or provisions of this License or of the Franchise by judgment or court order shall in no way affect any of the other terms of this License which shall remain in full force and effect. Time is of the essence with respect to each provision of this License. The headings contained in this License are to facilitate reference only, do not form a part of this License, and shall not in any way affect the construction or interpretation of this License. Terms such as "hereby," "herein," "hereof," "hereinafter," "hereunder," and "hereto" refer to this License as a whole and not to the particular sentence or paragraph where they appear, unless the context otherwise requires. The term "may" is permissive; the terms "shall" and "will" are mandatory, not merely directive. All references to any gender shall be deemed to include all others, as the context may require. Terms used in the plural include the singular, and vice versa, unless the context otherwise requires. Nothing in this License is intended to interfere with any tariffs, contracts or other arrangements between the Licensee and a third party or between the Town and a third party, or to create any third-party beneficiary rights. To the extent either party is required hereunder to obtain the consent or approval of the other under this License, such consent or approval shall not be unreasonably withheld, conditioned or delayed.

**17. BINDING EFFECT:**

This License shall bind and inure to the benefit of the Parties hereto and their respective successors and permitted assigns.

**18. HOLDING OVER:**

If Licensee remains in possession of the Site after the end of this License, Licensee will occupy the Site as a licensee from month to month, subject to all conditions, provisions, and obligations of this License in effect on the last day of the term. Such holding over shall not be deemed a renewal or extension of the License.

**19. NO WAIVER:**

No waiver of any condition or agreement in this License by either Town or Licensee will imply or constitute a further waiver by such Party of the same or any other condition or agreement. No act or thing done by Town during the term of this License will be deemed an acceptance of surrender of the Site, and no agreement to accept the surrender will be valid unless in writing signed by Town. No payment by Licensee, or receipt from Town, of a lesser amount than the rent or other charges stipulated in this License will be deemed to be anything other than a payment on account of the earliest stipulated rent. No endorsement or statement on any check or any letter accompanying any check or payment as rent will be deemed an accord and satisfaction. Town will accept the check for payment without prejudice to Town's right to recover the balance of the rent or to pursue any other remedy available to Town.

**20. AUTHORITY:**

Each of the persons executing this License on behalf of Licensee warrants to Town that Licensee is, and will remain, a duly organized and existing corporation under Nevada law, that Licensee is authorized to do business in the Commonwealth of Virginia, that Licensee has full right and authority to enter into this License, and that each and every person signing on behalf of Licensee is authorized to do so. Upon Town's request, Licensee will provide evidence satisfactory to Town confirming these representations.

Town and the person executing and delivering this License on Town's behalf each represents and warrants to Licensee that such person is duly authorized to so act and has the power and authority to enter into this License; and that all action required to authorize Town and such person to enter into this License has been duly taken.

**21. LIMITED LIABILITY:**

In no event shall either Party be liable to the other for consequential or punitive damages, economic losses or losses derived from future expected revenues. The provisions of this Section 21 are not intended to limit Licensee's right to seek injunctive relief or specific performance.

**IN WITNESS WHEREOF**, the Parties hereto executed this License in two parts on the dates indicated.

TOWN:

**TOWN OF OCCOQUAN**

By: \_\_\_\_\_

Name: Elizabeth A.C. Quist

Its: Mayor

Date: \_\_\_\_\_

LICENSEE:

MOBILITIE, LLC, a Nevada limited liability company

By: \_\_\_\_\_

Name: \_\_\_\_\_

Its: \_\_\_\_\_

Date: \_\_\_\_\_

**EXHIBIT 1**  
**Description of Site**



**SITE ID-CANDIDATE LETTER/CASCADE ID-CANDIDATE LETTER:**

**9VAB002246/WA90XSCM1A**

**LATITUDE/LONGITUDE:**

**38.68313200/-77.26066400**

**CROSS STREET:**

**COMMERCE STREET & UNION STREET**

**CITY, STATE, ZIP:**

**OCCOQUAN, VA 22125**



IF YOU DIG IN ANY STATE  
DIAL 811 FOR THE LOCAL  
"ONE CALL CENTER" -  
IT'S THE LAW

THE UTILITIES SHOWN HEREIN ARE FOR THE CONTRACTORS  
CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT  
SHOWN ON THESE PLANS. THE ENGINEER/SURVEYOR ASSUMES  
NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL  
BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL THE  
UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE  
TO THE (E) UTILITIES BY THE CONTRACTOR SHALL BE THE  
SOLE RESPONSIBILITY OF THE CONTRACTOR.

NOTE:  
GENERAL CONTRACTOR IS REQUIRED TO CROSS CHECK COORDINATES. EXHIBIT PHOTO, AERIAL  
PHOTO AND SITE PLAN TO ENSURE PROPER POLE LOCATION PRIOR TO BREAKING GROUND.  
CONCERNS OR QUESTIONS SHOULD BE IMMEDIATELY DIRECTED TO ASSIGNED MOBILITIE CM.



3475 PIEDMONT ROAD NE  
SUITE 1000  
ATLANTA, GEORGIA 30305  
PHONE: (312) 638-5400



736 CARNEROS CIRCLE  
HIGH POINT NC, 27265

PROJECT NUMBER: XXXX  
DRAWN BY: SB  
CHECKED BY: WW

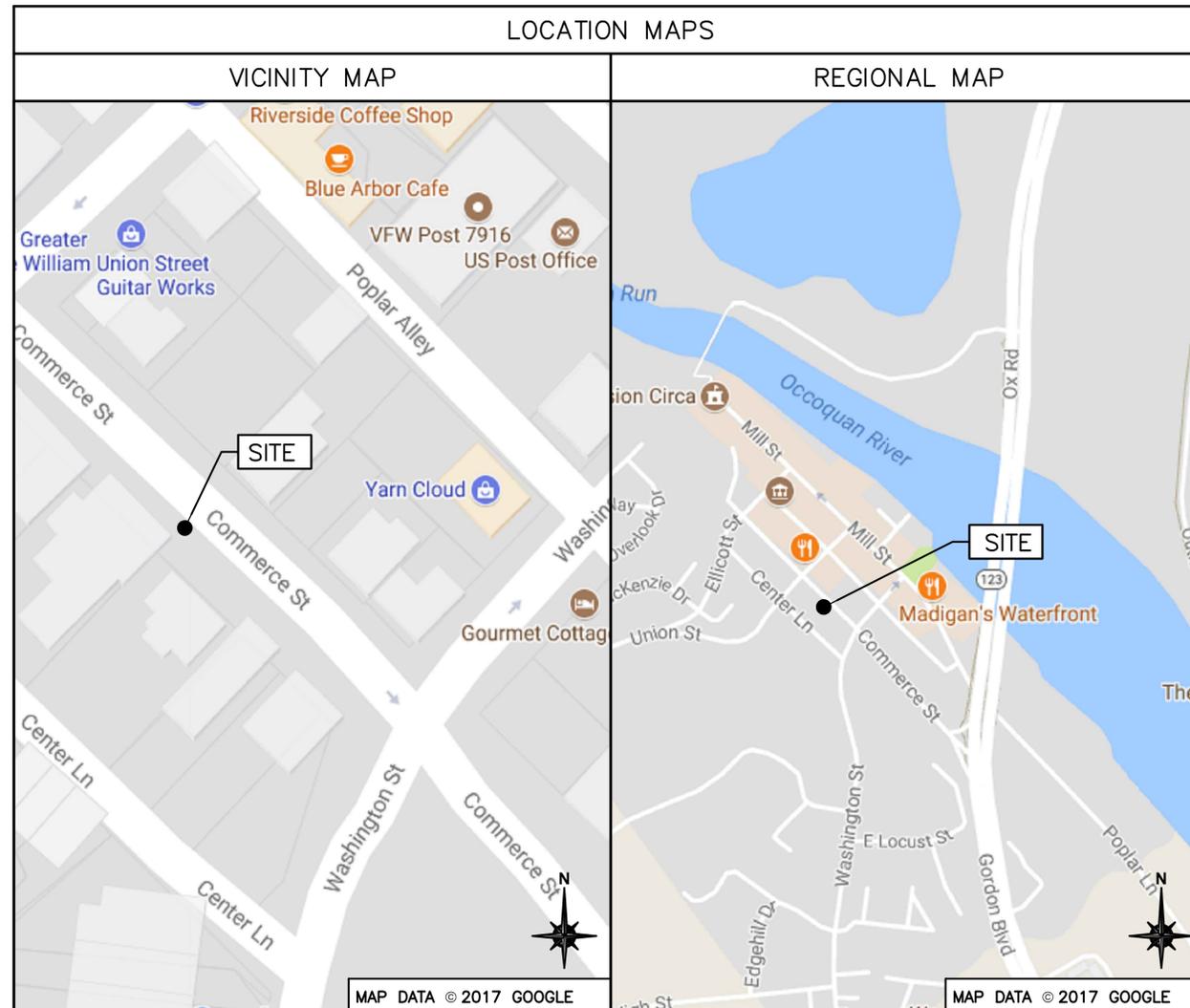
GENERAL NOTES	
THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OF EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.	

SITE INFORMATION	
SITE ID:	9VAB002246
CASCADE ID:	WA90XSCM1A
LATITUDE:	38.68313200
LONGITUDE:	-77.26066400
CROSS STREET:	COMMERCE STREET & UNION STREET
CITY, STATE, ZIP:	OCCOQUAN, VA 22125
COUNTY:	PRINCE WILLIAM COUNTY
JURISDICTION:	PRINCE WILLIAM COUNTY
PROPERTY OWNER:	PUBLIC RIGHT-OF-WAY
APPLICANT:	MOBILITIE, LLC 3475 PIEDMONT ROAD NE; SUITE 1000 ATLANTA, GEORGIA 30305 PHONE: (312) 638-5400

ENGINEER	
WARREN WILLIAMS & ASSOCIATES, PC 736 CARNEROS CIRCLE HIGH POINT, NC 27265	CONTACT: WARREN WILLIAMS, PE PRESIDENT TEL: (757) 450-2288

**DO NOT SCALE DRAWINGS**

CONTRACTORS SHALL VERIFY ALL PLANS, (E) DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



PROJECT DESCRIPTION	
END USER PROPOSES TO REPLACE EXISTING WOOD POLE AND INSTALL EQUIPMENT ON A NEW WOOD POLE WITHIN AN EXISTING RIGHT-OF-WAY. THE SCOPE WILL CONSIST OF THE FOLLOWING:	
<ul style="list-style-type: none"> <li>- REMOVE EXISTING WOOD UTILITY POLE</li> <li>- INSTALL A NEW WOOD UTILITY POLE WITH PROPOSED BACKHAUL TRANSPORT EQUIPMENT</li> </ul>	

CODES	
INTERNATIONAL BUILDING CODE NATIONAL ELECTRICAL SAFETY CODE TIA/EIA-222-G-2 OR LATEST EDITION LOCAL BUILDING/PLANNING CODE	

DRAWING INDEX	
SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
SP-1	EXHIBIT PHOTO & SITE PLAN
EV-1	POLE ELEVATIONS
PL-1	PLUMBING & RISER DIAGRAM
EQ-1	EQUIPMENT DETAILS
EQ-2	EQUIPMENT DETAILS
E-1	ELECTRICAL DETAILS
G-1	GROUNDING DETAILS
S-1	POLE EMBEDMENT DETAILS
TC-1	VEHICULAR TRAFFIC CONTROL PLAN
TC-2	PEDESTRIAN SAFETY PLAN
GN-1	GENERAL NOTES
GN-2	GENERAL NOTES
GN-3	GENERAL NOTES

SEAL:

SIGNATURE: *O. Williams*

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

WA90XSCM1A  
9VAB002246  
COMMERCE STREET &  
UNION STREET  
OCCOQUAN, VA 22125  
NEW WOOD UTILITY POLE

SHEET TITLE  
**TITLE SHEET**

SHEET NUMBER  
**T-1**



PROJECT NUMBER:	XXXX
DRAWN BY:	SB
CHECKED BY:	WW

1	09-15-17	FINAL	CDs
0	07-10-17	FINAL	CDs

SEAL:

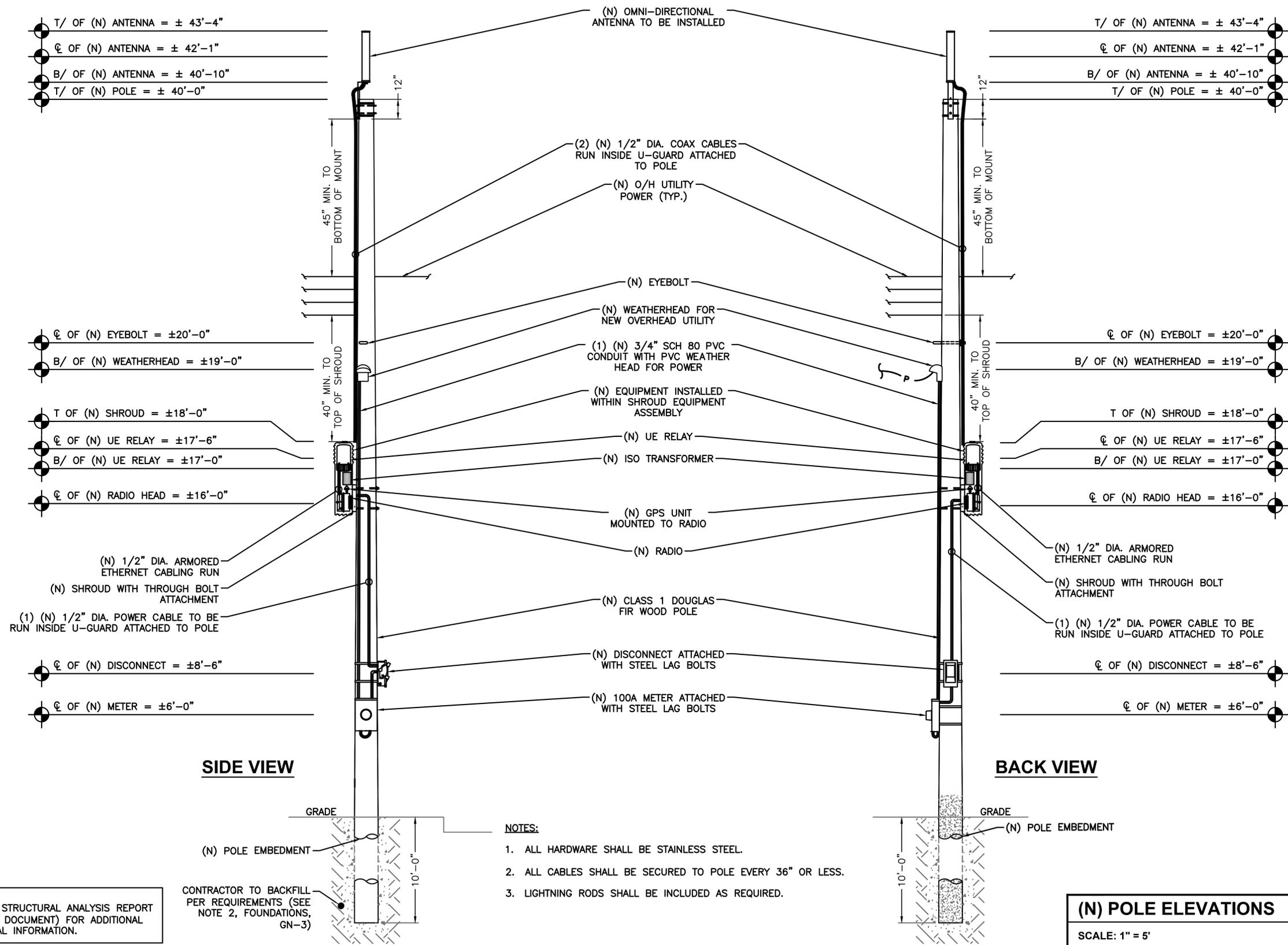
SIGNATURE *O. Williams*

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WA90XSCM1A  
9VAB002246  
COMMERCE STREET &  
UNION STREET  
OCCOQUAN, VA 22125  
NEW WOOD UTILITY POLE

SHEET TITLE  
**POLE ELEVATIONS**

SHEET NUMBER  
**EV-1**



**SIDE VIEW**

**BACK VIEW**

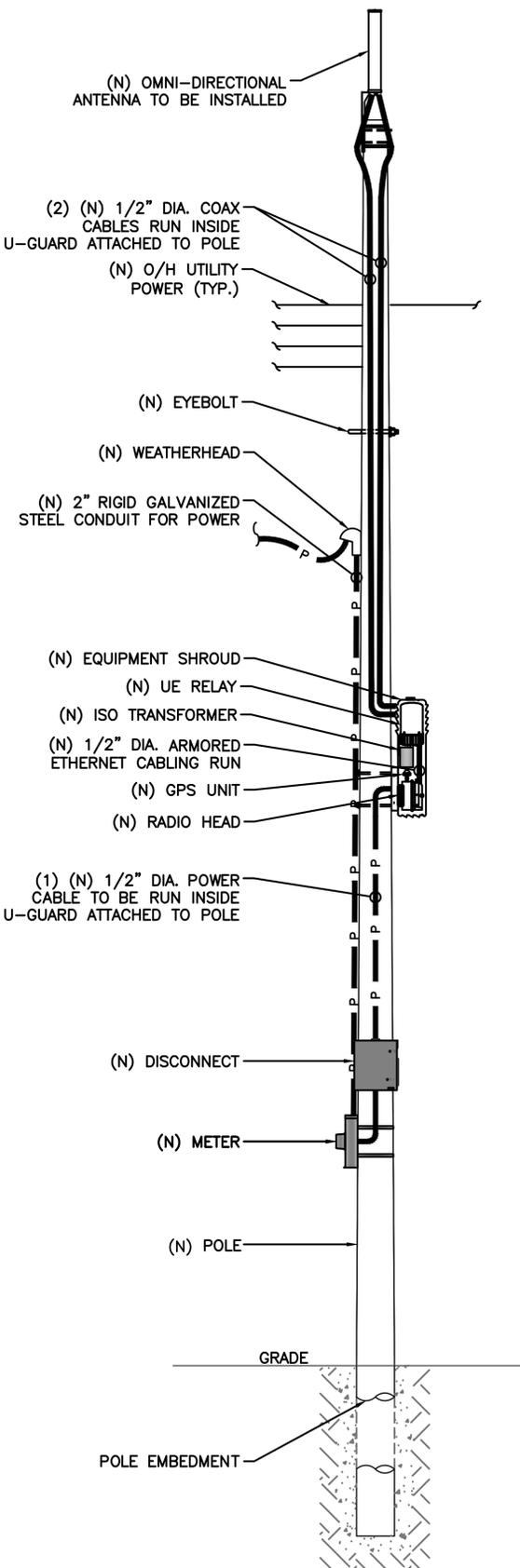
- NOTES:**
1. ALL HARDWARE SHALL BE STAINLESS STEEL.
  2. ALL CABLES SHALL BE SECURED TO POLE EVERY 36" OR LESS.
  3. LIGHTNING RODS SHALL BE INCLUDED AS REQUIRED.

**NOTE:**  
REFER TO STRUCTURAL ANALYSIS REPORT (SEPARATE DOCUMENT) FOR ADDITIONAL STRUCTURAL INFORMATION.

CONTRACTOR TO BACKFILL PER REQUIREMENTS (SEE NOTE 2, FOUNDATIONS, GN-3)

**(N) POLE ELEVATIONS**

SCALE: 1" = 5'



**NOTE:**  
 CABLING DIAGRAM IS FOR CLARITY OF CABLE ROUTE AND TERMINATION ONLY. CONTRACTOR SHALL INSTALL CABLES WITH MINIMAL VISUAL IMPACT ON (N) WOOD POLE. SEE ELEVATION DRAWING FOR EQUIPMENT AND ANTENNA LOCATIONS.

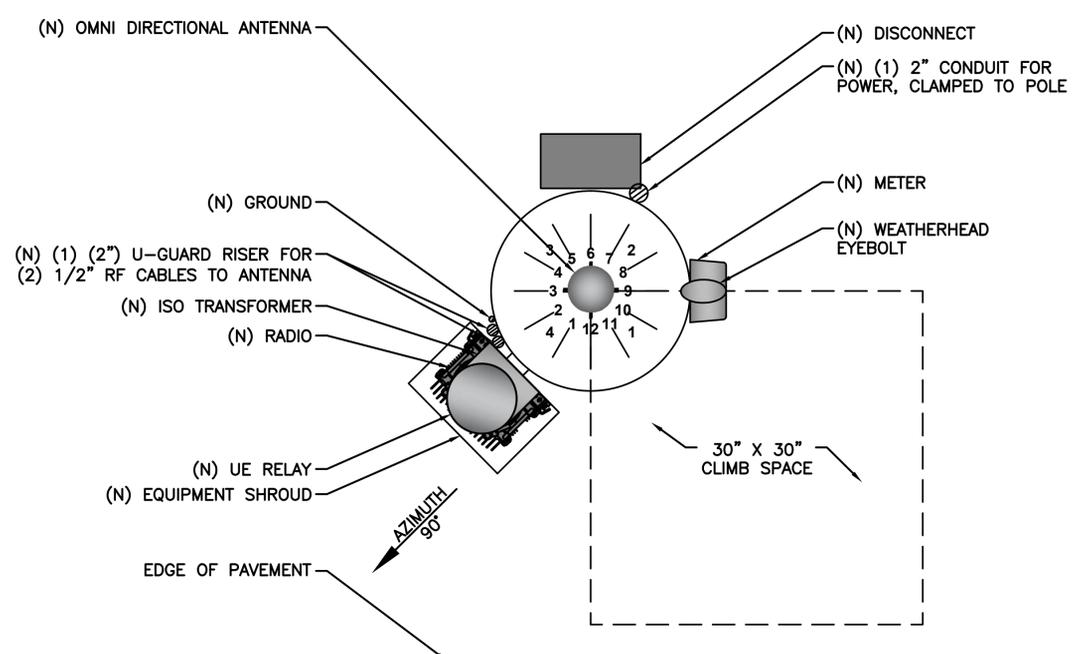
- CABLING NOTES:**
- A) WOOD, CONCRETE AND EXISTING METALLIC POLES
    - I) FROM GRADE LINE TO 11'-0" ABOVE GRADE, ALL CABLES/CONDUCTORS EXCEPT GROUNDING CONDUCTOR MUST RUN IN RIGID GALVANIZED STEEL CONDUIT (RGS)
    - II) GROUNDING CONDUCTORS IN EXPOSED LOCATIONS MUST BE INSTALLED IN PVC.
    - III) IN EARTH INSTALL PVC CONDUIT FOR BACKHAUL AND ELECTRICAL SERVICE. TRANSITION TO RGS AT GRADE LINE.
    - IV) ABOVE 11'-0" ALL CABLES (POWER, ETHERNET, COAXIAL) MUST RUN IN PVC UTILITY POLE RISER.
      - (1) AT MAJOR EQUIPMENT, EXTEND UTILITY DUCT IMMEDIATELY ADJACENT TO THE EQUIPMENT. INSTALL CABLES IN THE UTILITY POLE RISER CREATING CABLE DRIP LOOPS NOT LESS THAN THE CABLE BENDING RADIUS.
      - (2) INSIDE THE UTILITY POLE RISER, UTILIZE 1/2" COAX BLOCKS WITH LAG SCREWS TO SUPPORT COAX, RADIO AND MW POWER, RF COAX, AND ETHERNET CABLES TO WITHIN 12" OF THE EQUIPMENT BEING SERVED AND ON INTERVALS NOT TO EXCEED 4'.
    - V) FOR UNDERGROUND HFC/PUBLIC BACKHAUL, ROUTE ETHERNET CABLE IN CONDUIT UP THE POLE AND ENTER THE UTILITY POLE RISER. SEAL EXPOSED END OF CONDUIT WITH A CABLE TERMINATION FITTING.
    - VI) BY APPROVAL IN SELECT CASES LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LFMC) MAY BE USED IN LENGTHS NOT TO EXCEED 36" TO EXTEND THE ELECTRICAL SERVICE CONDUIT TO THE AC DISTRIBUTION BOX. EXAMPLE: UTILITY-REQUIRED DISCONNECT ON POLE W/ AC DISTRIBUTION BOX ON OPPOSITE SIDE OF POLE. NOT REQUIRED FOR COAX.
  - B) NEW METALLIC POLES
    - I) PROCURE NEW POLES WITH SUITABLE HAND HOLES SUCH THAT HAND HOLES EXIST AT ALL EQUIPMENT LOCATIONS.
    - II) WHERE REQUIRED, INSTALL POLE BASE SUCH THAT THE ELECTRICAL FEED AND BACKHAUL (IF UNDERGROUND) CIRCUIT ENTER THE POLE THROUGH THE POLE BASE.

**PLUMBING DIAGRAM**  
 SCALE: NOT TO SCALE 1

BILL OF MATERIALS							
QTY.	DESCRIPTION	MANUFACTURER	MODEL NUMBER	AZIMUTH	CABLE	DIMENSIONS (HxWxD)	WEIGHT
1	ANTENNA	ALPHA WIRELESS	AW3477-S	0°	24'±	30.7" X 4.7" DIAMETER	7 LBS
1	UE RELAY	AIRSPAN	iR460-SPB-ST-1-P-0	90°	3'±	13" X 7" DIAMETER	8.8 LBS
-	-	-	-	-	-	-	-
1	GPS	NOKIA	FAWD/472932A	-	-	3.1" X 2.1" DIAMETER	0.3 LBS
1	RADIO	NOKIA	FWHR B41 HP	-	3'±	9.7" X 12.9" X 6.3"	27.3 LBS
-	MMS SHROUD ENCLOSURE	ELTEK	MMS SHROUD v1.0	-	-	35.6" X 15.5" X 9.0"	45 LBS
-	-	-	-	-	-	-	-
1	NEMA TYPE-3R DISCONNECT	SIEMENS	GF222NR (EXAMPLE)	-	1'±	15.45" X 8.7" X 5.95"	14 LBS
1	METER SOCKET	MILBANK	U4801-XL-5T9 (EXAMPLE)	-	89'±	19" X 13" X 4.84"	21 LBS

RFDS REVISION TYPE: NOT FINAL  
 RFDS REVISION NUMBER: N/A  
 RFDS REVISION TIMESTAMP: N/A

**BILL OF MATERIALS**  
 SCALE: NOT TO SCALE 2



**RISER ORIENTATION DIAGRAM**  
 SCALE: NOT TO SCALE 3

**mobilitie**  
 intelligent infrastructure  
 3475 PIEDMONT ROAD NE  
 SUITE 1000  
 ATLANTA, GEORGIA 30305  
 PHONE: (312) 638-5400

**WW&A**  
 warren williams & associates  
 736 CARNEROS CIRCLE  
 HIGH POINT NC, 27265

PROJECT NUMBER:	XXXX
DRAWN BY:	SB
CHECKED BY:	WW

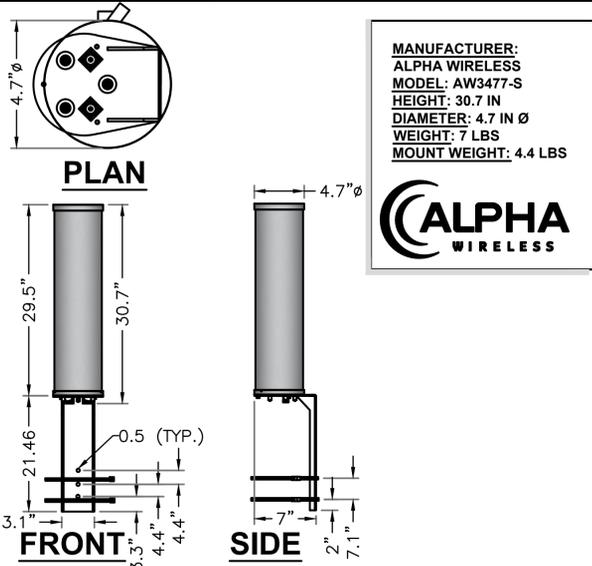
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0	07-10-17	FINAL CDs

SEAL:  
  
 SIGNATURE *O. Williams*  
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WA90XSCM1A  
 9VAB002246  
 COMMERCE STREET &  
 UNION STREET  
 OCCOQUAN, VA 22125  
 NEW WOOD UTILITY POLE

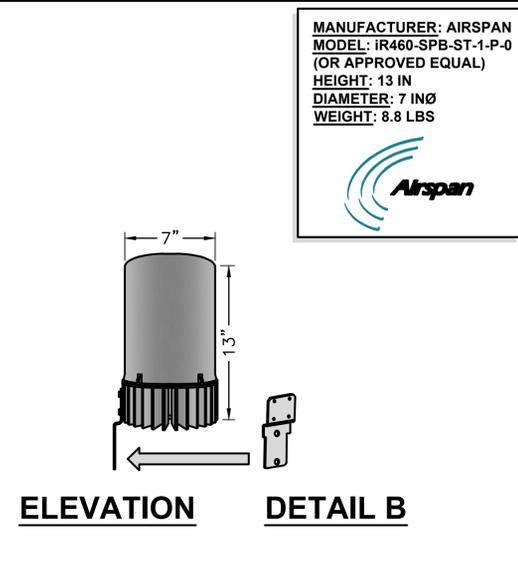
SHEET TITLE  
**PLUMBING & RISER DIAGRAM**

SHEET NUMBER  
**PL-1**



MANUFACTURER: ALPHA WIRELESS  
 MODEL: AW3477-S  
 HEIGHT: 30.7 IN  
 DIAMETER: 4.7 IN Ø  
 WEIGHT: 7 LBS  
 MOUNT WEIGHT: 4.4 LBS

**ALPHA WIRELESS**



MANUFACTURER: AIRSPAN  
 MODEL: iR460-SPB-ST-1-P-0 (OR APPROVED EQUAL)  
 HEIGHT: 13 IN  
 DIAMETER: 7 IN Ø  
 WEIGHT: 8.8 LBS

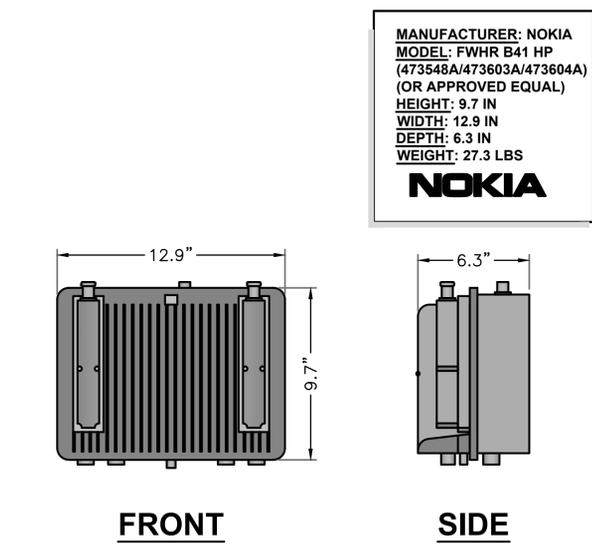
**Airspan**

ALPHA AW3477-S OMNI (B41) SCALE N.T.S. 1

UE RELAY iR460-SPB-ST-1-P-0 SCALE N.T.S. 4

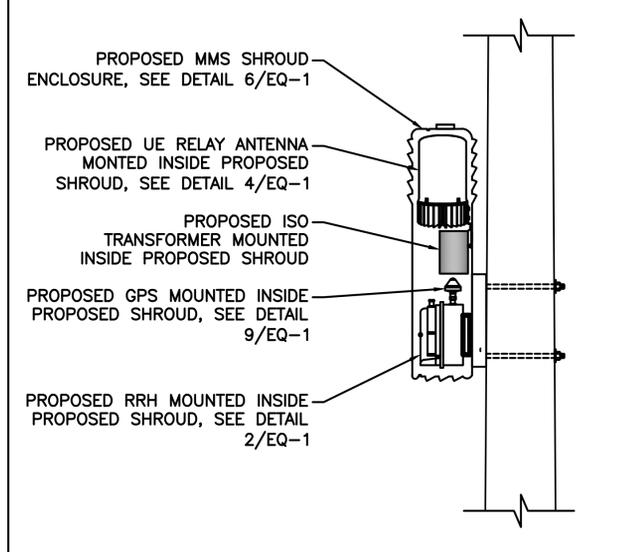
NOT USED SCALE N.T.S. 7

NOT USED SCALE N.T.S. 10

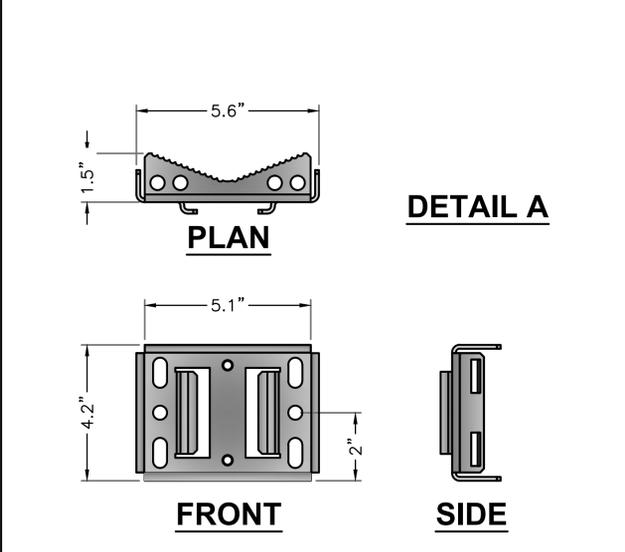


MANUFACTURER: NOKIA  
 MODEL: FWHR B41 HP (473548A/473603A/473604A) (OR APPROVED EQUAL)  
 HEIGHT: 9.7 IN  
 WIDTH: 12.9 IN  
 DEPTH: 6.3 IN  
 WEIGHT: 27.3 LBS

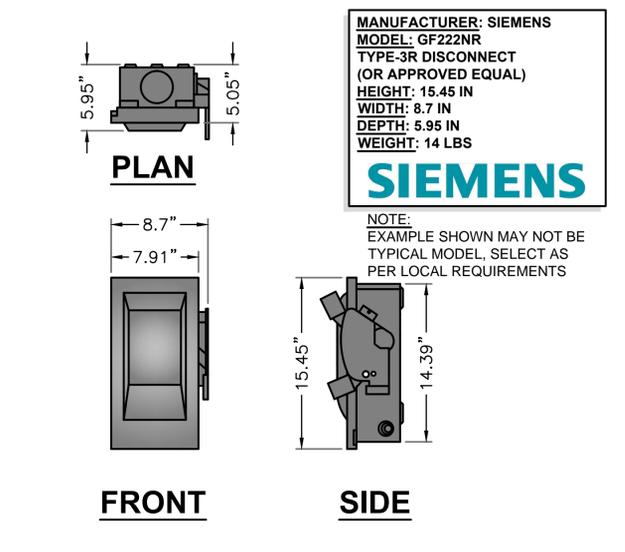
**NOKIA**



SHROUD CUT-AWAY DETAIL SCALE N.T.S. 5



iR460 FLUSH MOUNT SCALE N.T.S. 8

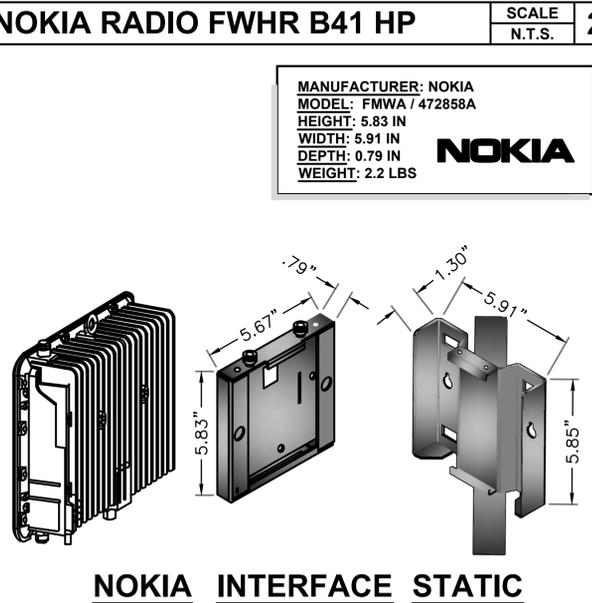


MANUFACTURER: SIEMENS  
 MODEL: GF222NR  
 TYPE-3R DISCONNECT (OR APPROVED EQUAL)  
 HEIGHT: 15.45 IN  
 WIDTH: 8.7 IN  
 DEPTH: 5.95 IN  
 WEIGHT: 14 LBS

**SIEMENS**

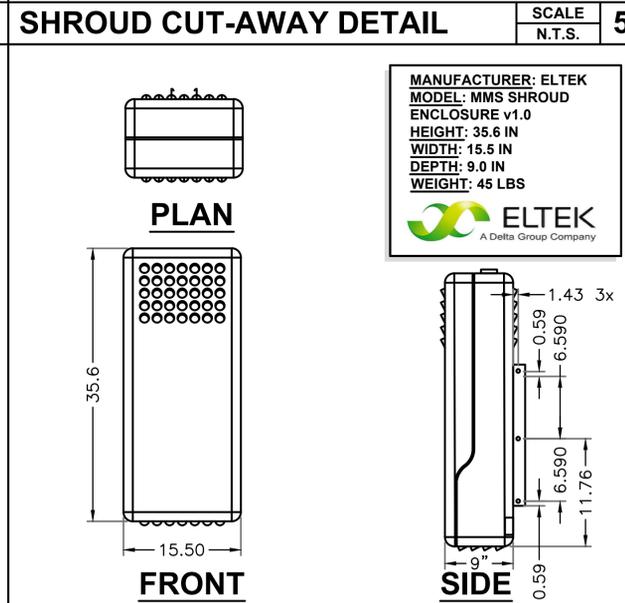
NOTE: EXAMPLE SHOWN MAY NOT BE TYPICAL MODEL, SELECT AS PER LOCAL REQUIREMENTS

NEMA TYPE-3R DISCONNECT SCALE N.T.S. 11



MANUFACTURER: NOKIA  
 MODEL: FMWA / 472858A  
 HEIGHT: 5.83 IN  
 WIDTH: 5.91 IN  
 DEPTH: 0.79 IN  
 WEIGHT: 2.2 LBS

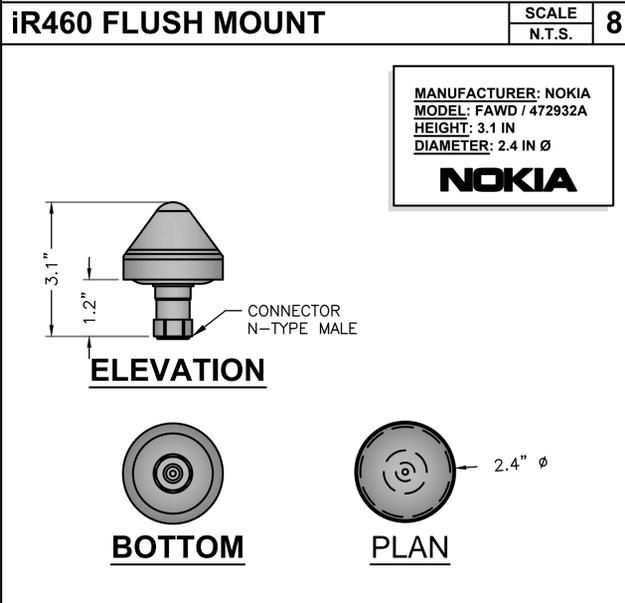
**NOKIA**



MANUFACTURER: ELTEK  
 MODEL: MMS SHROUD ENCLOSURE v1.0  
 HEIGHT: 35.6 IN  
 WIDTH: 15.5 IN  
 DEPTH: 9.0 IN  
 WEIGHT: 45 LBS

**ELTEK**  
 A Delta Group Company

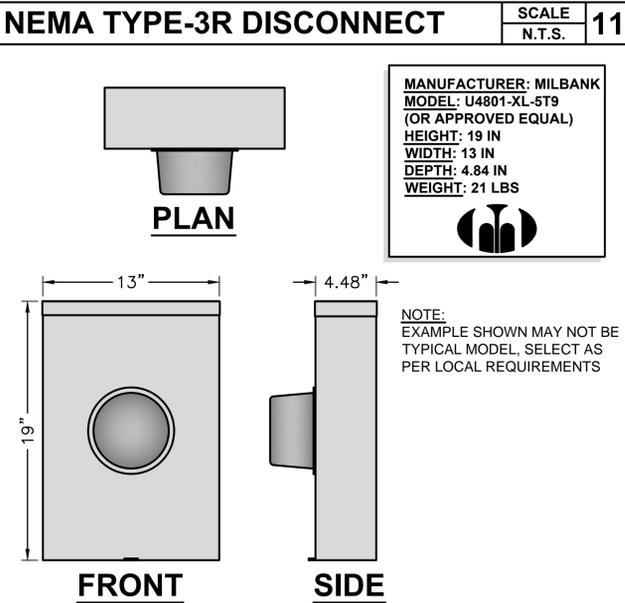
MMS SHROUD v1.0 SCALE N.T.S. 6



MANUFACTURER: NOKIA  
 MODEL: FAWD / 472932A  
 HEIGHT: 3.1 IN  
 DIAMETER: 2.4 IN Ø

**NOKIA**

NOKIA GPS UNIT SCALE N.T.S. 9



MANUFACTURER: MILBANK  
 MODEL: U4801-XL-5T9 (OR APPROVED EQUAL)  
 HEIGHT: 19 IN  
 WIDTH: 13 IN  
 DEPTH: 4.84 IN  
 WEIGHT: 21 LBS

**MILBANK**

NOTE: EXAMPLE SHOWN MAY NOT BE TYPICAL MODEL, SELECT AS PER LOCAL REQUIREMENTS

MILBANK METER SOCKET SCALE N.T.S. 12

NOKIA RADIO MOUNT SCALE N.T.S. 3

**mobilitie**  
 intelligent infrastructure

3475 PIEDMONT ROAD NE  
 SUITE 1000  
 ATLANTA, GEORGIA 30305  
 PHONE: (312) 638-5400

**WW&A**  
 warren williams & associates

736 CARNEROS CIRCLE  
 HIGH POINT NC, 27265

PROJECT NUMBER:	XXXX
DRAWN BY:	SB
CHECKED BY:	WW

1	09-15-17	FINAL CDs
0	07-10-17	FINAL CDs

SEAL:

O. WARREN WILLIAMS, JR.  
 Lic. No. 37030  
 PROFESSIONAL ENGINEER

SIGNATURE: *O. Williams*

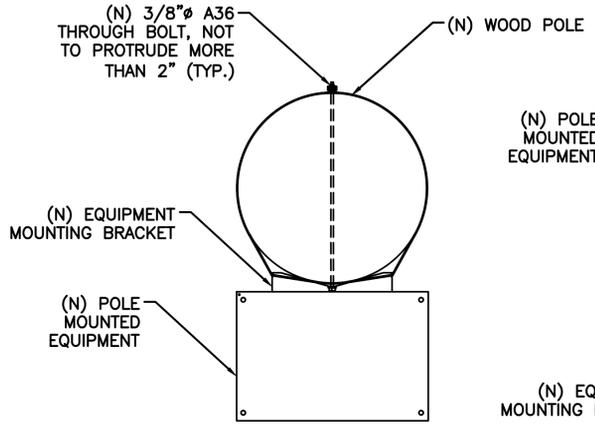
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WA90XSCM1A  
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 COMMERCE STREET &  
 UNION STREET  
 OCCOQUAN, VA 22125  
 NEW WOOD UTILITY POLE

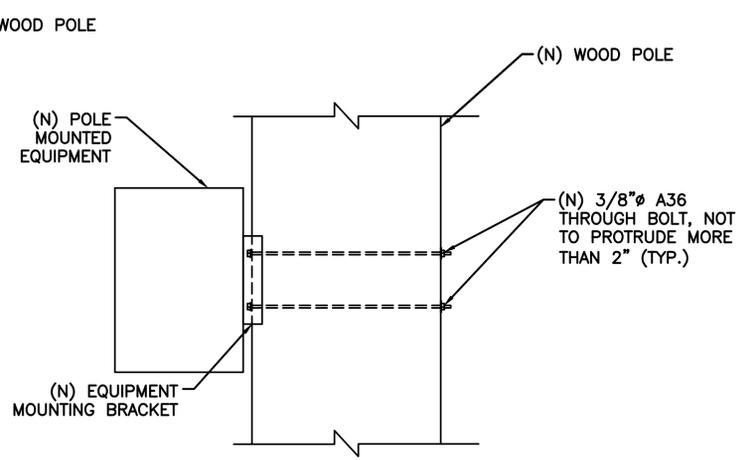
SHEET TITLE  
**EQUIPMENT DETAILS**

SHEET NUMBER  
**EQ-1**

**NOTE:**  
INSTALL BRACKETS WITH  
STAINLESS STEEL BANDING.

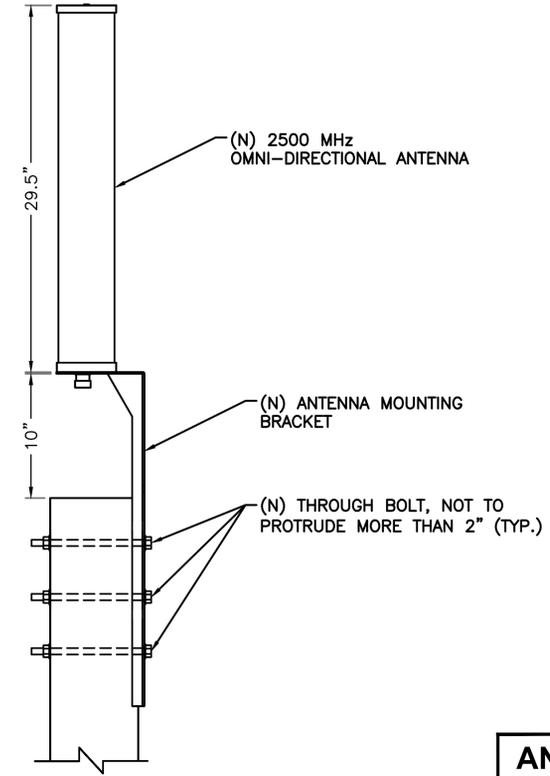


**TOP VIEW**



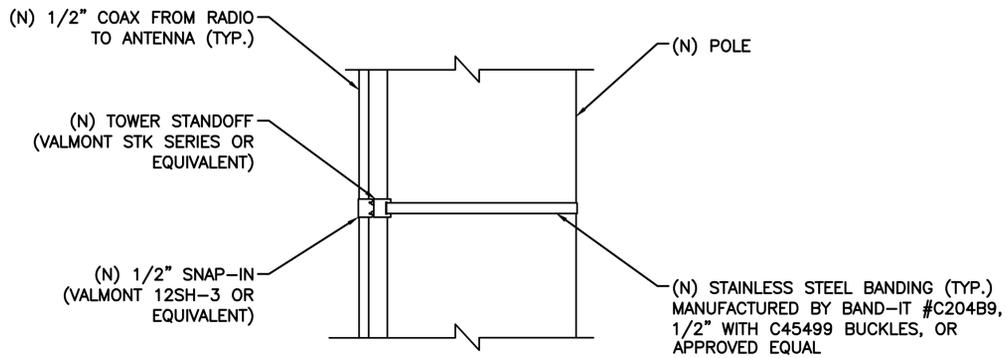
**SIDE VIEW**

**EQUIPMENT MOUNTING DETAIL**  
SCALE: NOT TO SCALE **1**



**NOTE:**  
1. MOUNTING BRACKET ACCOMMODATES POLE SIZES FROM 3" TO 10" DIAMETER.  
2. JACOBS HAS NOT PERFORMED A STRUCTURAL EVALUATION FOR THE MOUNTING BRACKET. REFER TO THE MANUFACTURER FOR ADDITIONAL INFORMATION.

**ANTENNA MOUNTING DETAIL**  
SCALE: NOT TO SCALE **3**



**NOTE:**  
SPACE SNAP-INS PER  
CABLE MANUFACTURER'S  
SPECIFICATIONS

**CABLE MOUNTING DETAIL**  
SCALE: NOT TO SCALE **2**



**ANTENNA SIGNAGE:**  
**ON WOOD POLES** - SIGN ON ALUMINUM WITH SS SCREW TO THE POLE  
**ON METAL POLES** - ADHESIVE VINYL OR PLACARD STRAPPED WITH SS TIES  
**ON CONCRETE / COMPOSITE** - PLACARD STRAPPED WITH SS TIES  
**SIGN PLACEMENT:**  
AFFIX TO THE STRUCTURE 3-4' BELOW THE COMMERCIAL RF ANTENNA(S)  
SIZE APPROX. 8" x 5"

**ANTENNA SIGNAGE**



**OWNER / OPERATOR NOTE:**  
SITE ID LABEL TO BE AFFIXED AT OR NEAR THE POINT OF POWER CONNECTION WITH TZeS241 LABELING TAPE OR EQUIVALENT BLACK ON WHITE LABELING TAPE OF AT LEAST 18mm WIDTH WITH EXTRA-STRENGTH ADHESIVE. USE ANY COMPATIBLE P-TOUCH LABEL MAKER. TEXT SHOULD BE PRINTED IN ALL CAPS WITH A MINIMUM HEIGHT OF 1/2".

**EMERGENCY CONTACT SIGN**

**POLE MOUNTED SIGNS**  
SCALE: NOT TO SCALE **4**



3475 PIEDMONT ROAD NE  
SUITE 1000  
ATLANTA, GEORGIA 30305  
PHONE: (312) 638-5400



736 CARNEROS CIRCLE  
HIGH POINT NC, 27265

PROJECT NUMBER:	XXXX
DRAWN BY:	SB
CHECKED BY:	WW

1	09-15-17	FINAL	CDs
0	07-10-17	FINAL	CDs

SEAL:

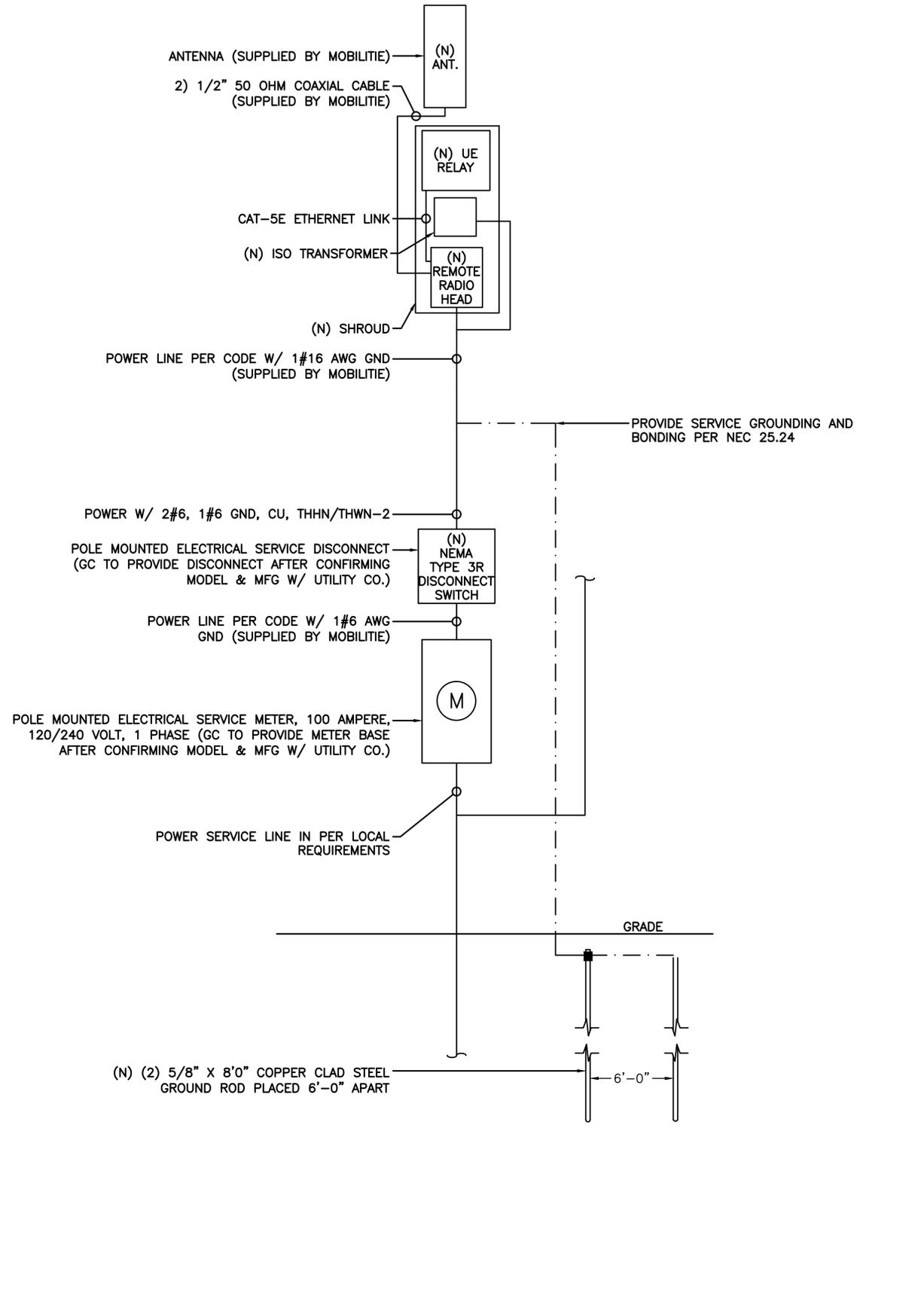
SIGNATURE: *O. Williams*

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

WA90XSCM1A  
9VAB002246  
COMMERCE STREET &  
UNION STREET  
OCCOQUAN, VA 22125  
NEW WOOD UTILITY POLE

SHEET TITLE  
**EQUIPMENT DETAILS**

SHEET NUMBER  
**EQ-2**



**ONE-LINE DIAGRAM**  
SCALE: NOT TO SCALE 1

--	--

- NOTES:**
- NOMINAL POWER IS CALCULATED AS 80% OF OEM DOCUMENTED MAXIMUM POWER.
  - CALCULATIONS FOR UE W/ NOKIA DO NOT NEED TO INCLUDE THE POWER FOR THE UE ANTENNA AS IT IS INCLUDED IN THE MAX POWER FIGURE. CALCULATIONS FOR UE W/ AIRSPAN MUST INCLUDE UE AS IT IS NOT INCLUDED
  - KVA IS CALCULATED FROM THE CONSUMPTION VALUE ASSUMING A PF=1. MAXIMUM POWER WAS USED FOR KVA. WHERE MAXIMUM WAS NOTED BY THE OEM THE QUOTED FIGURE WAS USED. WHERE AVERAGE/NOMINAL POWER WAS NOTED BY THE OEM MAXIMUM POWER WAS CALCULATED BY INCREASING AVERAGE/NOMINAL POWER BY A FACTOR OF 50%

**Nokia Scenario 5 B41 High Power Radio and Aispan UE Backhaul**

Unit	Sub Description	Max Power (W)	Max Current (A)	KVA	kWh/Yr
NSN - B41 High	LTE Base Station	360	4.00	0.36	3153.6
Airspan IR460	UE Relay	N/A	N/A	N/A	N/A
<b>Total</b>		<b>360</b>	<b>4.00</b>	<b>0.36</b>	<b>3153.6</b>

**LOAD CALCULATIONS**  
SCALE: NOT TO SCALE 3

**mobilitie**  
intelligent infrastructure

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PHONE: (312) 638-5400

**WW&A**  
warren williams & associates

736 CARNEROS CIRCLE  
HIGH POINT NC, 27265

PROJECT NUMBER:	XXXX
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CHECKED BY:	WW

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1	09-15-17	FINAL CDs
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SEAL:

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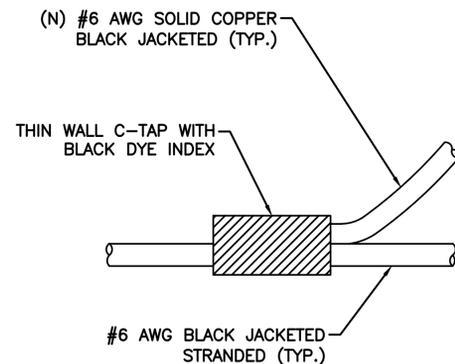
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UNION STREET  
OCCOQUAN, VA 22125  
NEW WOOD UTILITY POLE

SHEET TITLE  
**ELECTRICAL DETAILS**

SHEET NUMBER  
**E-1**

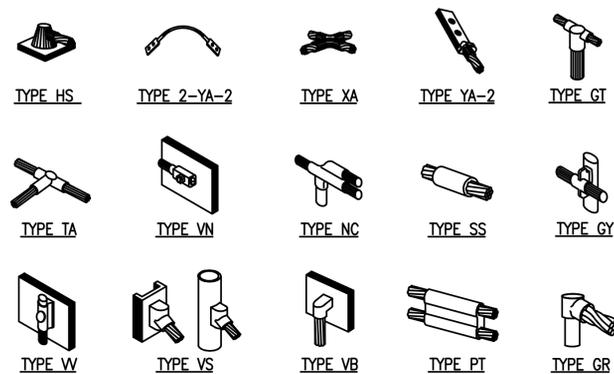
**NOTE:**  
CONTRACTOR TO SURROUND COMPLETED CONNECTION WITH HEAT-SHRINK TUBING TO ENSURE WEATHER PROOF CONNECTION



**C-TAP DETAIL**

SCALE: NOT TO SCALE

1



**NOTE:**  
ERICO EXOTHERMIC "MOLD TYPES" SHOWN HERE ARE EXAMPLES. CONSULT WITH PROJECT MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT.

**WELD CONNECTION DETAILS**

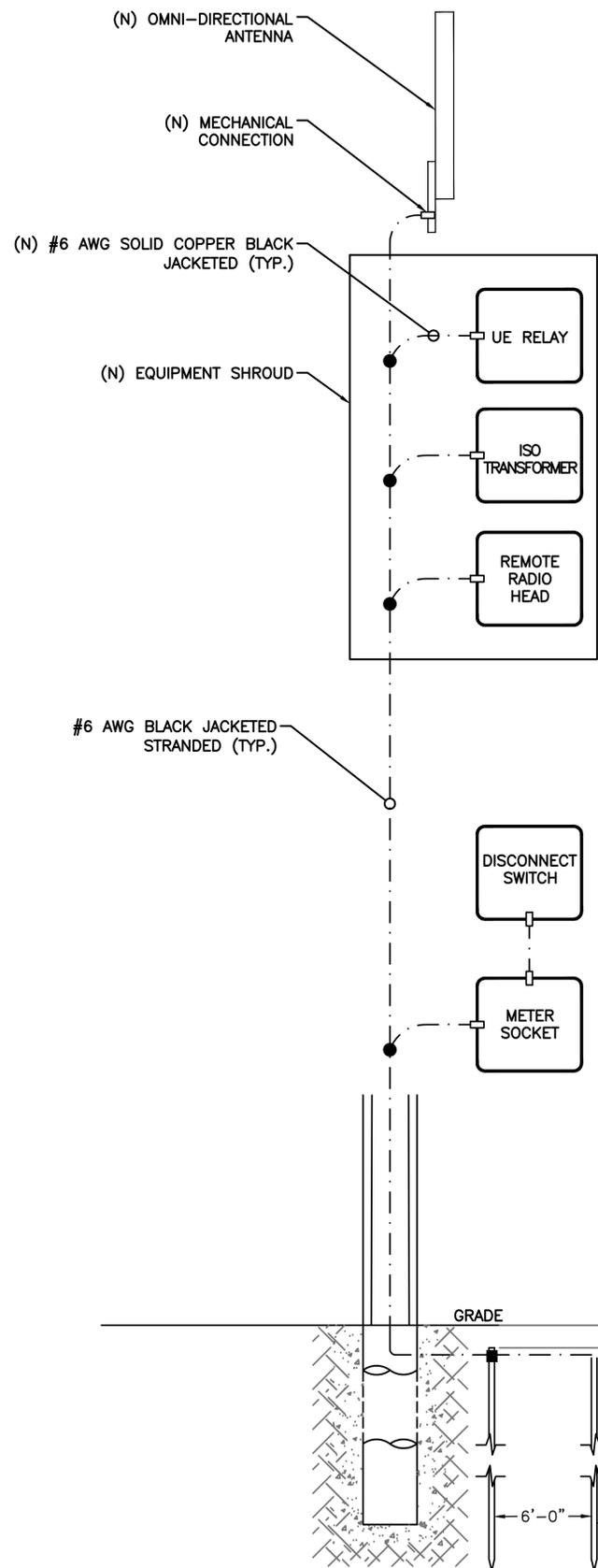
SCALE: NOT TO SCALE

2

**LEGEND**

- CADWELD CONNECTION
- MECHANICAL CONNECTION
- COMPRESSION CONNECTION

**NOTE:**  
GROUNDING RISER FOR DIAGRAMMATIC PURPOSES ONLY. SEE ELEVATION DRAWING FOR EQUIPMENT AND ANTENNA LOCATIONS.



- NOTES:**
1. ALL RGS TO BE GROUNDED AT BOTH ENDS USING GROUNDING BUSHINGS
  2. GROUND WIRE TO BE RUN IN 1/2" SCHEDULE 40 PVC.

**GROUNDING RISER DIAGRAM**

SCALE: NOT TO SCALE

3



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736 CARNEROS CIRCLE  
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SHEET TITLE  
**GROUNDING DETAILS**

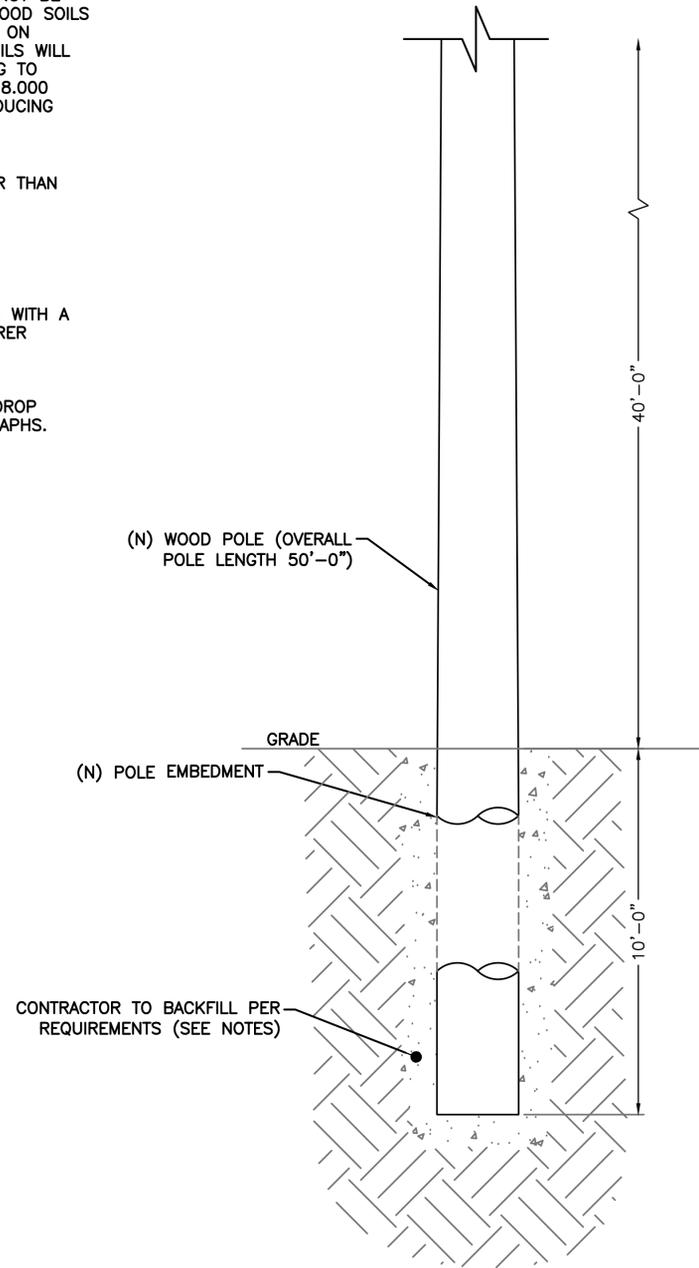
SHEET NUMBER  
**G-1**

**GENERAL CONSTRUCTION NOTES:**

- PRIOR TO ANY CONSTRUCTION WORK, CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES. ALL UTILITIES SHALL BE MARKED.
- BACKFILL OF THE POLES SHALL BE PERFORMED BASED ON THE WATER TABLE. FLOWABLE FILL MIXTURES PURCHASED FROM CONCRETE PLANTS WILL BE USED INSTEAD OF FOAM IN WATER TABLE AREAS.
  - A: NORMAL SOILS ORDER OF PREFERENCE – FOAM, FLOWABLE FILL, CONCRETE, COMPACTED AGGREGATES
  - B: HIGH WATER TABLE SOILS ORDER OF PREFERENCES – FLOWABLE FILL, CONCRETE, COMPACTED AGGREGATES.
- NON-NATIVE SOILS SHALL BE REMOVED FROM BORE AREA AND SHALL NOT BE REUSED FOR BACKFILL. EMBED DEPTHS SHOWN ARE GENERALLY FOR GOOD SOILS AND UTILITY WOOD POLES. EMBED DEPTHS SHALL BE ADJUSTED BASED ON ACTUAL SOIL CONDITIONS AND FINAL POLE CLASS SELECTION. POOR SOILS WILL REQUIRE DEEPER EMBEDS. SOIL CONDITIONS ARE CLASSIFIED ACCORDING TO BEARING CAPACITY: "POOR": 0 TO 2,500 PSI, "AVERAGE": 2,501 PSI TO 8,000 PSI, "GOOD": GREATER THAN 8,000 PSI. GUYING IS AN OPTION FOR REDUCING EMBED DEPTHS BUT REQUIRES MOBILITIE CM WRITTEN APPROVAL.
- FOUNDATION HOLE SHALL BE EXCAVATED TO A MINIMUM OF 12" LARGER THAN POLE BASE DIAMETER TO ALLOW FOR SUITABLE BACKFILL PLACEMENT.
- REMOVE EXCESS WATER FROM HOLE BEFORE INSTALLING POLE.
- CONTRACTOR SHALL PREPARE LIFT PLANS FOR POLE SETTING ACTIVITIES WITH A BOOM TRUCK OR CRANE. ATTACH LIFTING SLING PER POLE MANUFACTURER RECOMMENDATIONS.
- IF REQUIRED BY MOBILITIE CM, CONTRACTOR SHALL PERFORM A TAPE DROP MEASUREMENT OF EXCAVATED HOLE AND WITNESS DROP WITH PHOTOGRAPHS.

NOTE:  
SEE GN-3 FOUNDATION, EXCAVATION AND BACKFILL FOR ADDITIONAL NOTES.

NOTE:  
REFER TO STRUCTURAL ANALYSIS REPORT (SEPARATE DOCUMENT) FOR ADDITIONAL STRUCTURAL INFORMATION.



OVERALL POLE LENGTH	DIAMETER SIX FEET FROM BUTT	MIN. CIRC. SIX FEET FROM BUTT
20'-0"	9.9"	31.0"
25'-0"	10.7"	33.5"
30'-0"	11.6"	36.5"
35'-0"	12.4"	39.0"
40'-0"	13.1"	41.0"
45'-0"	13.7"	43.0"
50'-0"	14.3"	45.0"
55'-0"	14.8"	46.5"
60'-0"	15.3"	48.0"
65'-0"	15.8"	49.5"
70'-0"	16.2"	51.0"
75'-0"	16.7"	52.5"
80'-0"	17.2"	54.0"
85'-0"	17.8"	55.0"
90'-0"	17.8"	56.0"

NOTE:  
FOR OVERALL POLE LENGTHS BETWEEN TWO VALUES, SELECT THE HIGHER POLE ON TABLE.

OVERALL POLE LENGTH	MINIMUM EMBED (10%+2')	REQUIRED EMBED TO MEET 5' INCREMENT	POLE HEIGHT ABOVE GROUND
25'-0"	4'-6"	5'-0"	20'-0"
30'-0"	5'-0"	9'-0"	21'-0"
30'-0"	5'-0"	8'-0"	22'-0"
30'-0"	5'-0"	7'-0"	23'-0"
30'-0"	5'-0"	6'-0"	24'-0"
30'-0"	5'-0"	5'-0"	25'-0"
35'-0"	5'-6"	9'-0"	26'-0"
35'-0"	5'-6"	8'-0"	27'-0"
35'-0"	5'-6"	7'-0"	28'-0"
35'-0"	5'-6"	6'-0"	29'-0"
40'-0"	6'-0"	10'-0"	30'-0"
40'-0"	6'-0"	9'-0"	31'-0"
40'-0"	6'-0"	8'-0"	32'-0"
40'-0"	6'-0"	7'-0"	33'-0"
40'-0"	6'-0"	6'-0"	34'-0"
45'-0"	6'-6"	10'-0"	35'-0"
45'-0"	6'-6"	9'-0"	36'-0"
45'-0"	6'-6"	8'-0"	37'-0"
45'-0"	6'-6"	7'-0"	38'-0"
50'-0"	7'-0"	11'-0"	39'-0"
50'-0"	7'-0"	10'-0"	40'-0"
50'-0"	7'-0"	9'-0"	41'-0"
50'-0"	7'-0"	8'-0"	42'-0"
50'-0"	7'-0"	7'-0"	43'-0"
55'-0"	7'-6"	11'-0"	44'-0"
55'-0"	7'-6"	10'-0"	45'-0"
55'-0"	7'-6"	9'-0"	46'-0"
55'-0"	7'-6"	8'-0"	47'-0"
60'-0"	8'-0"	12'-0"	48'-0"
60'-0"	8'-0"	11'-0"	49'-0"
60'-0"	8'-0"	10'-0"	50'-0"
60'-0"	8'-0"	9'-0"	51'-0"
60'-0"	8'-0"	8'-0"	52'-0"
65'-0"	8'-6"	12'-0"	53'-0"
65'-0"	8'-6"	11'-0"	54'-0"
65'-0"	8'-6"	10'-0"	55'-0"
65'-0"	8'-6"	9'-0"	56'-0"
70'-0"	9'-0"	13'-0"	57'-0"
70'-0"	9'-0"	12'-0"	58'-0"
70'-0"	9'-0"	11'-0"	59'-0"
70'-0"	9'-0"	10'-0"	60'-0"
70'-0"	9'-0"	9'-0"	61'-0"
75'-0"	9'-6"	13'-0"	62'-0"
75'-0"	9'-6"	12'-0"	63'-0"
75'-0"	9'-6"	11'-0"	64'-0"
75'-0"	9'-6"	10'-0"	65'-0"
80'-0"	10'-0"	14'-0"	66'-0"
80'-0"	10'-0"	13'-0"	67'-0"
80'-0"	10'-0"	12'-0"	68'-0"
80'-0"	10'-0"	11'-0"	69'-0"
80'-0"	10'-0"	10'-0"	70'-0"
85'-0"	10'-6"	14'-0"	71'-0"
85'-0"	10'-6"	13'-0"	72'-0"
85'-0"	10'-6"	12'-0"	73'-0"
85'-0"	10'-6"	11'-0"	74'-0"
90'-0"	11'-0"	15'-0"	75'-0"

Pole Diameter (Inches)	Hole Depth (Feet)						
	4	5	6	7	8	9	10
8" Hole Diameter							
5.0	1	1					
6.2	1	1					
18" Hole Diameter							
7.0	6	8	9	11	12	13	15
8.0	6	7	9	10	12	12	14
9.0	6	7	8	9	11	12	13
10.0	5	6	8	9	9	11	12
11.0	5	6	7	8	9	10	11
12.0	4	5	6	7	8	9	10
13.0	4	4	5	6	7	7	9
14.0	3	4	4	5	6	6	7
15.0	2	3	4	4	5	5	6
16.0	2	2	2	3	3	3	4
24" Hole Diameter							
12.0	10	12	14	17	19	20	24
13.0	9	11	14	16	18	19	22
14.0	9	11	13	15	17	18	21
15.0	8	10	12	14	16	17	19
16.0	7	9	11	12	14	15	18
17.0	7	8	10	11	13	14	16
18.0	6	7	9	10	11	12	14
19.0	5	6	7	9	10	10	12
20.0	4	5	6	7	8	8	10
22.0	2	3	3	4	3	5	5
36" Hole Diameter							
18.0			32	37	43	45	53
20.0			30	34	39	42	49
22.0			27	31	36	38	44
24.0			24	28	32	34	39
26.0			21	24	27	29	33
28.0			17	20	23	24	27
30.0			13	15	18	19	21
32.0			9	11	12	13	15
34.0			5	6	6	7	7
48" Hole Diameter							
36.0	39	44	47	55	61	66	77
38.0	33	38	40	47	52	56	66
40.0	27	31	33	39	42	46	54
42.0	21	24	25	30	33	36	41
44.0	14	16	17	20	22	24	28
46.0	8	8	9	10	12	12	15

NOTE:  
FOR ABOVE GRADE HEIGHTS BETWEEN TWO VALUES, SELECT THE HIGHER POLE ON TABLE.

**POLE EMBEDMENT DETAILS**

SCALE: NOT TO SCALE

1



3475 PIEDMONT ROAD NE  
SUITE 1000  
ATLANTA, GEORGIA 30305  
PHONE: (312) 638-5400



736 CARNEROS CIRCLE  
HIGH POINT NC, 27265

PROJECT NUMBER: XXXX  
DRAWN BY: SB  
CHECKED BY: WW

1 09-15-17 FINAL CDs  
0 07-10-17 FINAL CDs

SEAL:  
COMMONWEALTH OF VIRGINIA  
O. WARREN WILLIAMS, JR.  
Lic. No. 37030  
PROFESSIONAL ENGINEER  
SIGNATURE: *O. Williams*  
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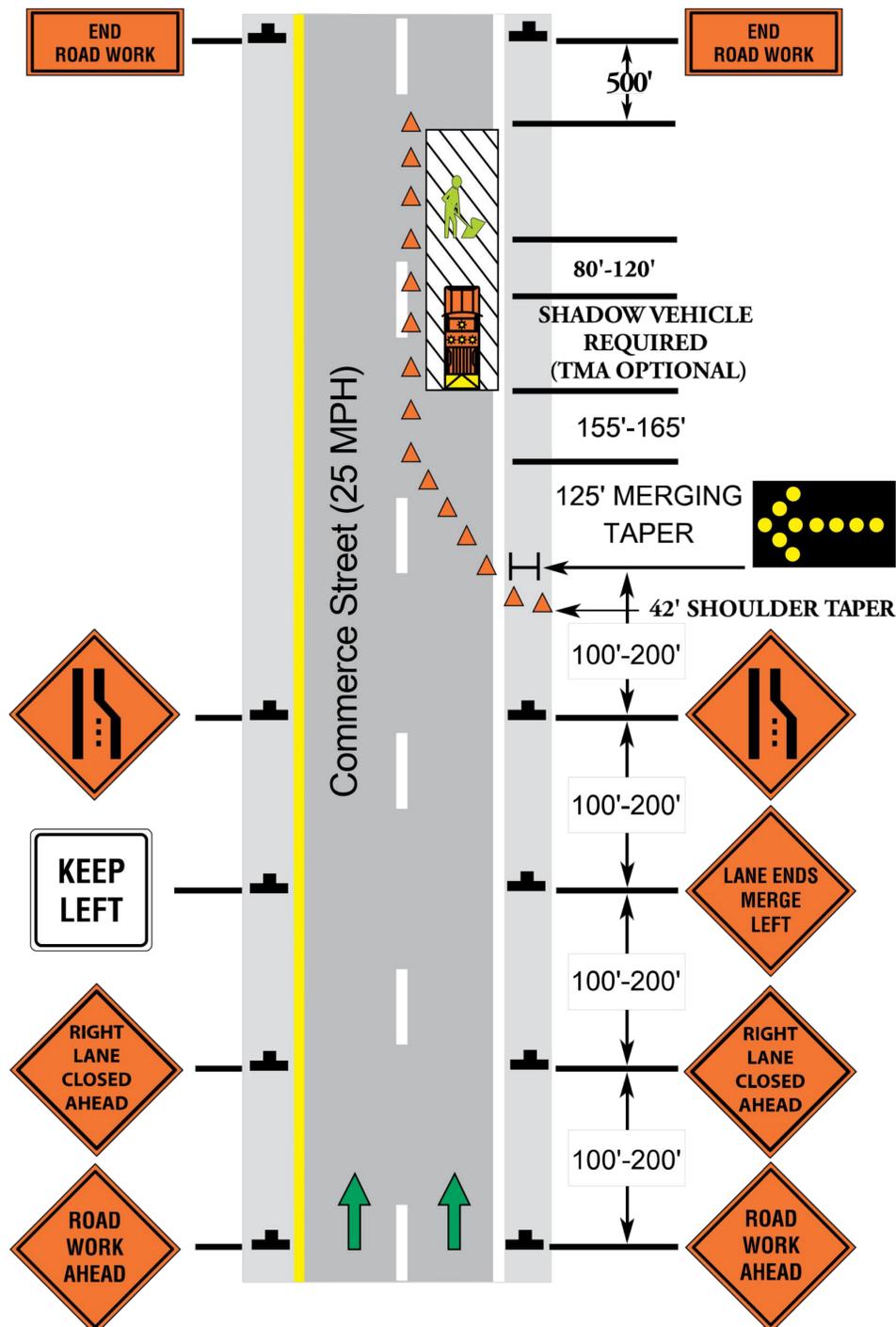
WA90XSCM1A  
9VAB002246  
COMMERCE STREET &  
UNION STREET  
OCCOQUAN, VA 22125  
NEW WOOD UTILITY POLE

SHEET TITLE  
**GROUNDING DETAILS**

SHEET NUMBER  
**G-1**

# Two-lane Road - Stationary Right Lane Closure

(Greater Than 60 Minutes in the Immediate Area)



# Two-lane Road - Stationary Right Lane Closure

## Notes:

1. Sign spacing: Limited Access highway 1300' - 1500'; posted speed greater than 45 mph 500' - 800'; posted speed 45 mph or less 350' - 500'; see spacing of signs for urban use on page 6.
2. For the length of the shoulder taper (1/3 L) and merging taper (L), see Taper Length Chart on page 15.
3. For length of the buffer space, see Buffer Space Length Chart on page 14.
4. A truck with at least one amber high intensity rotating, oscillating, strobe, or flashing light shall be parked 80'-120' in advance of the first work crew. When posted speed limit is 45 mph or greater, a TMA shall be used.
5. The flashing arrow board shall be a **Type C** only.

## Cone Spacing

Location	0-35 mph	36+ mph
Transition	20'	40'
Travelway	40'	80'

**mobilitie**  
intelligent infrastructure

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**WW&A**  
warren williams & associates

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WA90XSCM1A  
9VAB002246  
COMMERCE STREET &  
UNION STREET  
OCCOQUAN, VA 22125  
NEW WOOD UTILITY POLE

SHEET TITLE:  
**VEHICULAR TRAFFIC CONTROL PLAN**

SHEET NUMBER  
**TC-1**



**GENERAL CONSTRUCTION NOTES:**

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL BUILDING CODE, THE LATEST ADOPTED EDITION AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
2. CONTRACTOR SHALL CONSTRUCT SITE IN ACCORDANCE WITH THESE DRAWINGS AND LATEST MOBILITIE CONSTRUCTION STANDARDS. THE SPECIFICATION IS THE RULING DOCUMENT AND ANY DISCREPANCIES BETWEEN THE SPECIFICATION AND THE CONSTRUCTION DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OR MOBILITIE CM PRIOR TO THE COMMENCEMENT OF WORK.
3. CONTRACTOR SHALL VISIT THE JOB SITE AND SHALL FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE (N) WORK AND SHALL MAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED, AS SHOWN, PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OR MOBILITIE CM PRIOR TO THE COMMENCEMENT OF WORK. NO COMPENSATION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OF FIELD CONDITIONS.
4. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. CONTRACTOR IS REQUIRED TO FURNISH AND INSTALL ANY/ALL ITEMS FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM SUBJECT ONLY TO OWNER-SUPPLIED ITEMS. CONTRACTOR SHALL PROVIDE ANY/ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
5. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT AND APPURTENANCES, AND LABOR NECESSARY TO EFFECT ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS. OWNER PROVIDED AND CONTRACTOR INSTALLED MATERIALS WILL INCLUDE THE FOLLOWING, UNLESS NOTED OTHERWISE:
  - A) TRANSMITTER
  - B) UHF ANTENNA AND MOUNTING BRACKETS, GPS UNIT AND KU BACKHAUL
  - C) UHF COAX AND HANGERS
  - D) INTEGRATED LOAD CENTER
6. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS. SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, (E) CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ANY DISCREPANCIES TO THE ATTENTION OF THE MOBILITIE CM, IN WRITING, PRIOR TO THE COMMENCEMENT OF WORK.
7. DETAILS PROVIDED ARE FOR THE PURPOSE OF SHOWING DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR SITE CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
8. CONTRACTOR SHALL PAY FOR APPLICABLE PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR IS TO OBTAIN PERMITS AND APPROVED SUBMITTALS PRIOR TO ORDERING MATERIALS AND THE COMMENCEMENT OF WORK.
9. THE TERM "PROVIDE" USED IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, INDICATES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL.
10. CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING, AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
11. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING ACCEPTED INDUSTRY-STANDARD SKILLS AND ATTENTION. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT, UNLESS OTHERWISE NOTED.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS.
13. CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE MOBILITIE CM AND SCHEDULE THEIR ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS.

14. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THEIR WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.
15. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
16. CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT (E) SURFACES, EQUIPMENT, IMPROVEMENTS, PIPING ETC. AND IMMEDIATE REPAIR, TO NEW CONDITION, ANY DAMAGE THAT OCCURS DURING CONSTRUCTION AT THE SOLE COST OF THE CONTRACTOR.
17. IN DRILLING HOLES, OR CORING, INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., MUST BE CLEARLY UNDERSTOOD THAT REINFORCING STEEL SHALL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES (UNLESS NOTED OTHERWISE). LOCATIONS OF REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE LOCATED BY THE CONTRACTOR USING APPROPRIATE METHODS AND EQUIPMENT PRIOR TO ANY DRILLING OR CORING OPERATIONS IN (E) CONCRETE.
18. CONTRACTOR SHALL REPAIR, TO NEW CONDITION, ALL (E) WALL SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND IN WITH ADJACENT SURFACES.
19. CONTRACTOR SHALL SEAL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES OR MATERIALS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS AND SYSTEMS THAT MEET OR EXCEED THE RATING OF THE ASSEMBLY IN WHICH THE NEW PENETRATION IS PLACED.
20. CONTRACTOR SHALL KEEP CONTRACT AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
21. MINIMUM BEND RADIUS OF ANTENNA CABLES SHALL BE IN ACCORDANCE WITH CABLE MANUFACTURERS RECOMMENDATIONS.
22. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO (E) SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION SHALL BE IN CONFORMANCE WITH JURISDICTIONAL OR STATE AND LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL AND COORDINATED WITH LOCAL REGULATORY AUTHORITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ANY EROSION CONTROL MEASURES, RECORD-KEEPING, MONITORING, AND REPORTING TO THE OWNER AND REGULATORY AUTHORITIES.
23. ALL CONSTRUCTION WORK IS TO ADHERE TO APPLICANT'S INTEGRATED CONSTRUCTION STANDARDS UNLESS STATE OR LOCAL CODE IS MORE STRINGENT.
24. THE INTENT OF THE PLANS AND SPECIFICATIONS IS TO PERFORM THE CONSTRUCTION IN ACCORDANCE PER STATE BUILDING STANDARDS CODE AND STATE CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE APPROVED PLANS AND SPECIFICATIONS WHEREIN THE FINISHED WORK WILL NOT COMPLY PER STATE CODE OF REGULATIONS, A SCOPE OF WORK DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE JURISDICTION BEFORE PROCEEDING WITH THE WORK. A CHANGE ORDER FOR THAT SCOPE SHALL BE SUBMITTED TO THE MOBILITIE CM PRIOR TO PROCEEDING WITH THE WORK.
25. ADEQUATE AND REQUIRED LIABILITY INSURANCE SHALL BE PROVIDED BY THE CONTRACTOR FOR PROTECTION AGAINST PUBLIC LOSS AND ANY/ALL PROPERTY DAMAGE FOR THE DURATION OF WORK.
26. CONTRACTOR SHALL GUARANTEE ANY/ALL MATERIALS AND WORK FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE. ANY CORRECTIVE WORK SHALL BE COMPLETED AT THE SOLE COST OF THE CONTRACTOR.

**ELECTRICAL NOTES:**

1. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ANY/ALL ELECTRICAL WORK INDICATED. ANY/ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND ANY/ALL APPLICABLE SPECIFICATIONS. IF ANY PROBLEMS ARE ENCOUNTERED BY COMPLYING WITH THESE REQUIREMENTS, CONTRACTOR SHALL NOTIFY MOBILITIE CM AS SOON AS POSSIBLE, AFTER THE DISCOVERY OF THE PROBLEMS, AND SHALL NOT PROCEED WITH THAT PORTION OF WORK, UNTIL THE MOBILITIE CM HAS DIRECTED THE CORRECTIVE ACTIONS TO BE TAKEN.

2. ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ANY/ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATION INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. ALL (E) CONDITIONS OF ELECTRICAL EQUIP., ETC., THAT ARE PART OF THE FINAL SYSTEM, SHALL BE VERIFIED BY THE CONTRACTOR, PRIOR TO THE SUBMITTING OF THEIR BID. FAILURE TO COMPLY WITH THIS PARAGRAPH WILL IN NO WAY RELIEVE CONTRACTOR OF PERFORMING ALL WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC, ALL CODES AND ORDINANCES OF THE LOCAL JURISDICTION, AND POWER & TELEPHONE COMPANIES HAVING JURISDICTION AND SHALL INCLUDE BUT ARE NOT BE LIMITED TO:
  - A) UL – UNDERWRITERS LABORATORIES
  - B) NEC – NATIONAL ELECTRICAL CODE
  - C) NEMA – NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
  - D) OSHA – OCCUPATIONAL SAFETY AND HEALTH ACT
  - E) SBC – STANDARD BUILDING CODE
  - F) NFPA – NATIONAL FIRE PROTECTION AGENCY
  - G) ANSI – AMERICAN NATIONAL STANDARDS INSTITUTE
  - H) IEEE – INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
  - I) ASTM – AMERICAN SOCIETY FOR TESTING MATERIALS
4. REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, AND CONFIRM WITH MOBILITIE CM ANY SIZES AND LOCATIONS WHEN NEEDED.
5. (E) SERVICES: CONTRACTOR SHALL NOT INTERRUPT (E) SERVICES WITHOUT WRITTEN PERMISSION OF THE OWNER.
6. CONTRACTOR SHALL CONFIRM WITH LOCAL UTILITY COMPANY ANY/ALL REQUIREMENTS SUCH AS THE: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, SIZE OF TRANSFORMERS, SCHEDULED DOWNTIME FOR THE OWNERS' CONFIRMATION, ETC... ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE MOBILITIE CM, PRIOR TO BEGINNING ANY WORK.
7. MINIMUM WIRE SIZE SHALL BE #12 AWG, NOT INCLUDING CONTROL WIRING, UNLESS NOTED OTHERWISE. ALL CONDUCTORS SHALL BE COPPER WITH THWN INSULATION, UNLESS OTHERWISE NOTED.
8. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
9. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION. CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
10. ELECTRICAL SYSTEM SHALL BE AS COMPLETELY AND EFFECTIVELY GROUNDED, AS REQUIRED BY SPECIFICATIONS, SET FORTH BY APPLICANT.
11. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS, WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY FUNCTIONAL AND SHALL BE APPROVED BY THE MOBILITIE CM AND LOCAL JURISDICTION. ANY DEFICIENCIES SHALL BE CORRECTED BY AN ELECTRICAL CONTRACTOR AT THE SOLE COST OF THE CONTRACTOR.
12. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- 13.



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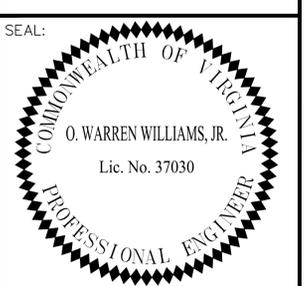


736 CARNEROS CIRCLE  
HIGH POINT NC, 27265

PROJECT NUMBER:	XXXX
DRAWN BY:	SB
CHECKED BY:	WW


1	09-15-17	FINAL CDs
0	07-10-17	FINAL CDs

SEAL:



SIGNATURE *O. Williams*

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

WA90XSCM1A  
9VAB002246  
COMMERCE STREET &  
UNION STREET  
OCCOQUAN, VA 22125  
NEW WOOD UTILITY POLE

SHEET TITLE  
**GENERAL NOTES**

SHEET NUMBER  
**GN-1**

ELECTRICAL NOTES CONT'D

13. THE CORRECTION OF ANY DEFECTS SHALL BE COMPLETED BY THE CONTRACTOR WITHOUT ANY ADDITIONAL CHARGE AND SHALL INCLUDE THE REPLACEMENT OR THE REPAIR OF ANY OTHER PHASE OF THE INSTALLATION, WHICH MAY HAVE BEEN DAMAGED THEREIN.
14. CONTRACTOR SHALL PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES AND DEVICES FOR ALL OUTLETS AS INDICATED.
15. DITCHING AND BACK FILL: CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION AND BACKFILLING AND COMPACTION. REFER TO NOTES AND REQUIREMENTS 'EXCAVATION, AND BACKFILLING.
16. MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SHALL APPEAR ON THE LIST OF U.L. APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NEC, NEMA AND IECE.
17. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR MANUFACTURER'S CATALOG INFORMATION OF ANY/ALL EQUIPMENT AND ALL OTHER ELECTRICAL ITEMS FOR APPROVAL BY THE MOBILITIE CM PRIOR TO INSTALLATION.
18. ANY CUTTING OR PATCHING DEEMED NECESSARY FOR ELECTRICAL WORK IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY AND SHALL BE INCLUDED IN THE COST FOR WORK AND PERFORMED TO THE SATISFACTION OF THE MOBILITIE CM UPON FINAL ACCEPTANCE.
19. THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS WITH ONLY TYPEWRITTEN DIRECTORIES. ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
20. DISCONNECT SWITCHES SHALL BE UL-RATED, H.P. RATED HEAVY-DUTY, QUICK-MAKE AND QUICK-BREAK ENCLOSURES, AS REQUIRED BY EXPOSURE TYPE.
21. ALL CONNECTIONS SHALL BE MADE WITH A PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND KNOWN AS "NO-OXIDE A" BY DEARBORNE CHEMICAL CO. COAT ALL WIRE SURFACES BEFORE CONNECTING. EXPOSED COPPER SURFACES, INCLUDING GROUND BARS, SHALL BE TREATED - NO SUBSTITUTIONS.
22. RACEWAYS: CONDUIT SHALL BE SCHEDULE 80 PVC MEETING OR EXCEEDING NEMA TC2 - 1990. CONTRACTOR SHALL PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS - 200 LBS TEST POLYETHYLENE CORD. ALL CONDUIT BENDS SHALL BE A MINIMUM OF 2 FT. RADIUS. RGS CONDUITS WHEN SPECIFIED, SHALL MEET UL-6 FOR GALVANIZED STEEL. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. COAT ALL THREADS WITH 'BRITE ZINC' OR 'COLD GALV'.
23. SUPPORT OF ALL ELECTRICAL WORK SHALL BE AS REQUIRED BY NEC.
24. CONDUCTORS: CONTRACTOR SHALL USE 98% CONDUCTIVITY COPPER WITH TYPE THWN INSULATION, UNLESS OTHERWISE NOTED, 600 VOLT, COLOR CODED. USE SOLID CONDUCTORS FOR WIRE UP TO AND INCLUDING NO. 8 AWG. USE STRANDED CONDUCTORS FOR WIRE ABOVE NO. 8 AWG.
25. CONNECTORS FOR POWER CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER. USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG AND LARGER.
26. SERVICE: AS SPECIFIED ON THE DRAWINGS. OWNER OR OWNER'S AGENT WILL APPLY FOR POWER. ALL PROVISIONS FOR TEMPORARY POWER WILL BE OBTAINED BY THE CONTRACTOR.
27. TELEPHONE OR FIBER SERVICE: CONTRACTOR SHALL PROVIDE EMPTY CONDUITS WITH PULL STRINGS AS INDICATED ON DRAWINGS.
28. ELECTRICAL AND TELCO/FIBER RACEWAYS TO BE BURIED A MINIMUM DEPTH OF 30", UNLESS OTHERWISE NOTED.
29. CONTRACTOR SHALL PLACE 6" WIDE DETECTABLE WARNING TAPE AT A DEPTH OF 6" BELOW GROUND AND DIRECTLY ABOVE ELECTRICAL AND TELCO SERVICE CONDUITS. CAUTIONS TAPE TO READ "CAUTION BURIED ELECTRIC" OR "BURIED TELECOM".
30. ALL BOLTS SHALL BE 3-16 STAINLESS STEEL

GROUNDING NOTES:

1. ALL HARDWARE SHALL BE 3-16 STAINLESS STEEL, INCLUDING LOCK WASHERS. COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND, AS SPECIFIED, BEFORE MATING. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8 INCH DIAMETER OR SIZED TO MATCH COMPONENTS OR LOG SIZE.
2. FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
3. ALL STEEL CONDUIT SHALL BE BONDED AT BOTH ENDS WITH GROUNDING BUSHING.
4. ALL ELECTRICAL AND GROUNDING AT THE POLE SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFFA) 780 (LATEST EDITION), AND MANUFACTURER.
5. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
6. GROUND ALL ANTENNA BASES, FRAMES, CABLE RUNS, AND OTHER METALLIC COMPONENTS USING #6 GROUND WIRES. FOLLOW ANTENNA AND BTS MANUFACTURER'S PRACTICES FOR GROUNDING REQUIREMENTS.
7. ALL GROUND CONNECTIONS SHALL BE #6 AWG, UNLESS OTHERWISE NOTED. USE SOLID COPPER, BLACK JACKETED WIRE ON NON WOOD POLES AND SOLID TINNED COPPER, BARE (NO JACKET) WIRES ON WOOD POLES. BLACK WIRES WILL USE A SINGLE STRIPE OF GREEN ELECTRICAL TAPE WITHING 12" OF THE CONNECTION POINTS TO IDENTIFY AS GROUNDING WIRE.
8. NOTIFY ARCHITECT/ENGINEER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.
9. ALL HORIZONTALLY RUN GROUNDING CONDUCTORS SHALL BE INSTALLED A MINIMUM OF 30" BELOW GRADE/ 6+ BELOW FROST-LINE IN TRENCH, UNLESS OTHERWISE NOTED. BACK FILL SHALL BE COMPACTED AS REQUIRED BY ARCHITECT/ENGINEER.
10. ALL GROUND CONDUCTORS SHALL BE RUN AS STRAIGHT AND SHORT AS POSSIBLE, WITH A MINIMUM 12" BENDING RADIUS NOT LESS THAN 90 DEGREES.
11. ACCEPTABLE CONNECTIONS FOR GROUNDING SYSTEM SHALL BE:
  - A. BURNDY, HY-GRADE U.L. LISTED CONNECTORS FOR OUTDOOR USE OR AS APPROVED BY APPLICANT PROJECT MANAGER.
  - B. CADWELD, EXOTHERMIC WELDS (WELDED CONNECTIONS).
  - C. ONE (1) OR (2) HOLES TINNED COPPER COMPRESSION (LONG BARREL) FITTINGS.
12. ALL CRIMPED CONNECTIONS SHALL HAVE EMBOSSED MANUFACTURER'S DIEMARK VISIBLE AT THE CRIMP (RESULTING FROM USE OF PROPER CRIMPING DEVICES) AND WEATHER-PROOFED WITH HEAT SHRINK.
13. ALL CONNECTION HARDWARE SHALL BE TYPE 3-16 STAINLESS STEEL (NOT ATTRACTED TO MAGNETS).
14. ELECTRICAL SERVICE EQUIPMENT GROUNDING SHALL COMPLY WITH NEC, ARTICLE 250-82 AND SHALL BOND ALL (E) AND NEW GROUNDING ELECTRODES. NEW GROUNDING ELECTRODE SHALL INCLUDE BUT NOT LIMITED TO GROUND RODS.

TESTING AND EQUIPMENT TURN UP REQUIREMENTS:

1. RF CABLE, DATA CABLE, RADIO EQUIPMENT AND BACK HAUL EQUIPMENT TESTING WILL COMPLY WITH CURRENT INDUSTRY STANDARDS AND OR THOSE STANDARDS OF THE EQUIPMENT MANUFACTURER OR PROVIDED TO THE CONTRACTOR PRIOR TO TESTING.
2. CONTRACTOR WILL USE THE APPROPRIATE CALIBRATED TESTING EQUIPMENT IN THE TESTING OF RF CABLE, DATA CABLE, RADIO EQUIPMENT AND BACK HAUL EQUIPMENT THAT MEET INDUSTRY STANDARDS OF THE MANUFACTURER OR THOSE STANDARDS PROVIDED TO THE CONTRACTOR PRIOR TO TESTING.
3. CONTRACTOR TO VERIFY AND RECORD ALL TEST RESULTS AND PROVIDE THESE RESULTS WITHIN THE FINAL CLOSE OUT PACKAGE.
4. ALL PERSONNEL INVOLVED IN THE TESTING OF RF CABLE, DATA CABLE, RADIO EQUIPMENT AND BACK HAUL EQUIPMENT WILL BE REQUIRED TO HAVE BEEN TRAINED AND OR CERTIFIED IN THE PROPER TESTING OF RF CABLE, DATA CABLE, RADIO EQUIPMENT AND BACK HAUL EQUIPMENT.

5. ALL TEST RESULTS SHALL BE TIME STAMPED, RECORDED AND PRESENTED PRIOR TO ENERGIZING AND TURN UP OF ANY EQUIPMENT.
6. GPS EQUIPMENT (WHEN REQUIRED) IS NOT TO BE TESTED OR ATTACHED TO ANY CABLING DURING TESTING, DOING SO WILL DAMAGE THE GPS UNIT.
7. PRIOR TO TESTING IF THE CONTRACTOR HAS ANY QUESTIONS ABOUT THE TESTING PROCEDURES THEY ARE TO CALL AND OBTAIN ASSISTANCE FROM A QUALIFIED DESIGNATED TESTING REPRESENTATIVE.
8. EQUIPMENT IS NOT TO BE ENERGIZED UNTIL ALL TESTING HAS BEEN COMPLETED, APPROVED AND THE APPROPRIATE AUTHORITY HAS BEEN NOTIFIED AND GIVES APPROVAL TO ENERGIZE THE EQUIPMENT.

SITE WORK NOTES:

1. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
2. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON AS-BUILT DRAWINGS BY GENERAL CONTRACTOR AND ISSUED TO ARCHITECT/ENGINEER AT COMPLETION OF PROJECT.
3. ALL (E) UTILITIES, FACILITIES, CONDITIONS AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL (E) UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING (E) UTILITIES.
4. CONTRACTOR SHALL VERIFY ALL (E) UTILITIES BOTH HORIZONTALLY AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER OR MOBILITIE CM FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT THEIR OWN RISK AND EXPENSE. CONTRACTOR SHALL CALL LOCAL UTILITY LOCATE HOT LINE, SUCH AS 811, FOR UTILITY LOCATIONS A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION.
5. ALL NEW AND (E) UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK. ANY COST RELATED TO ADJUSTING (E) STRUCTURES SHALL BE BORNE SOLELY BY THE CONTRACTOR.
6. GRADING OF THE SITE WORK AREA IS TO BE SMOOTH AND CONTINUOUS IN SLOPE AND IS TO FEATHER INTO (E) GRADES AT THE GRADING LIMITS.
7. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.



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736 CARNEROS CIRCLE  
HIGH POINT NC, 27265

PROJECT NUMBER:	XXXX
DRAWN BY:	SB
CHECKED BY:	WW

1	09-15-17	FINAL CDs
0	07-10-17	FINAL CDs

SEAL:

SIGNATURE *O. Williams*

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WA90XSCM1A  
9VAB002246  
COMMERCE STREET &  
UNION STREET  
OCCOQUAN, VA 22125  
NEW WOOD UTILITY POLE

SHEET TITLE:  
**GENERAL NOTES**

SHEET NUMBER  
**GN-2**

SITE WORK NOTES CONT'D

8. STRUCTURAL FILLS SUPPORTING PAVEMENTS SHALL BE COMPACTED TO 95% OF MAXIMUM STANDARD PROCTOR DRY DENSITY, UNLESS OTHERWISE NOTED.
9. NEW GRADES NOT IN BUILDING AND DRIVEWAY IMPROVEMENT AREA TO BE ACHIEVED BY FILLING WITH APPROVED CLEAN FILL AND COMPACTED TO 95% OF STANDARD PROCTOR DENSITY.
10. ALL FILL SHALL BE PLACED IN UNIFORM LIFTS. THE LIFTS THICKNESS SHOULD NOT EXCEED THAT WHICH CAN BE PROPERLY COMPACTED THROUGHOUT ITS ENTIRE DEPTH WITH THE EQUIPMENT AVAILABLE.
11. ANY FILLS PLACED ON (E) SLOPES THAT ARE STEEPER THAN 10 HORIZONTAL TO 1 VERTICAL SHALL BE PROPERLY BENCHED INTO THE (E) SLOPE AS DIRECTED BY A GEOTECHNICAL ENGINEER.
12. CONTRACTOR SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH THAT NO DEBRIS, PAPER, TRASH, WEEDS, BRUSH, EXCESS FILL, OR ANY OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.
13. ALL TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH THE IMPROVEMENTS SHALL BE PROTECTED BY THE GENERAL CONTRACTOR.
14. ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY GENERAL CONTRACTOR WITH LOCAL UTILITY COMPANY, TELEPHONE COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.

ENVIRONMENTAL NOTES:

1. ALL WORK PERFORMED SHALL BE DONE IN ACCORDANCE WITH ISSUED PERMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF FINES AND PROPER CLEAN UP FOR AREAS IN VIOLATION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION FOR PROTECTION OF ADJACENT PROPERTIES, ROADWAYS AND WATERWAYS. ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE MAINTAINED IN PLACE THROUGH FINAL JURISDICTIONAL INSPECTION & RELEASE OF SITE.
3. CONTRACTOR SHALL INSTALL/CONSTRUCT ALL NECESSARY SEDIMENT/SILT CONTROL FENCING AND PROTECTIVE MEASURES AS REQUIRED BY THE LOCAL JURISDICTION WITHIN THE LIMITS OF SITE DISTURBANCE PRIOR TO CONSTRUCTION.
4. NO SEDIMENT SHALL BE ALLOWED TO EXIT THE PROPERTY. THE CONTRACTOR IS RESPONSIBLE FOR TAKING ADEQUATE MEASURES FOR CONTROLLING EROSION. ADDITIONAL SEDIMENT CONTROL FENCING MAY BE REQUIRED IN ANY AREAS SUBJECT TO EROSION.
5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON THE SITE AT ALL TIMES WITH SILT AND EROSION CONTROL MEASURES MAINTAINED ON THE DOWNSTREAM SIDE OF SITE DRAINAGE. ANY DAMAGE TO ADJACENT PROPERTY AS A RESULT OF EROSION WILL BE CORRECTED AT THE CONTRACTORS EXPENSE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTIONS AND ANY REPAIRS OF ALL SEDIMENT CONTROL MEASURES INCLUDING SEDIMENT REMOVAL AS NECESSARY.
7. CLEARING OF VEGETATION AND TREE REMOVAL SHALL BE ONLY AS PERMITTED AND BE HELD TO A MINIMUM. ONLY TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED.
8. SEEDING AND MULCHING AND/OR SODDING OF THE SITE WILL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE PROJECT FACILITIES AFFECTING LAND DISTURBANCE.
9. CONTRACTOR SHALL PROVIDE ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED BY LOCAL, COUNTY AND STATE CODES AND ORDINANCES TO PROTECT EMBANKMENTS FROM SOIL LOSS AND TO PREVENT ACCUMULATION OF SOIL AND SILT IN STREAMS AND DRAINAGE PATHS LEAVING THE CONSTRUCTION AREA. THIS MAY INCLUDE, BUT IS NOT LIMITED TO SUCH MEASURES AS SILT FENCES, STRAW BALE SEDIMENT BARRIERS, AND CHECK DAMS.
10. RIP RAP OF SIZES INDICATED SHALL CONSIST OF CLEAN, HARD, SOUND, DURABLE, UNIFORM IN QUALITY STONE FREE OF ANY DETRIMENTAL QUANTITY OF SOFT, FRIABLE, THIN, ELONGATED OR LAMINATED PIECES, DISINTEGRATED MATERIAL, ORGANIC MATTER, OIL, ALKALI, OR OTHER DELETERIOUS SUBSTANCES.

11. GC TO PLACE FILTER MATERIAL AT ALL CATCH BASINS ADJACENT TO CONSTRUCTION SITE TO PREVENT SOLID WASTE CONTAMINATION FROM ENTERING SEWER SYSTEM

FOUNDATION, EXCAVATION AND BACKFILL NOTES:

1. ALL FINAL GRADED SLOPES SHALL BE A MAXIMUM OF 3 HORIZONTAL TO 1 VERTICAL, UNLESS OTHERWISE NOTED.
2. BACKFILL OF THE POLES SHALL BE PERFORMED BASED ON THE WATER TABLE. FLOWABLE FILL MIXTURES PURCHASED FROM CONCRETE PLANTS WILL BE USED INSTEAD OF FOAM IN WATER TABLE AREAS.
  - A: NORMAL SOILS ORDER OF PREFERENCE – FOAM, FLOWABLE FILL, CONCRETE, COMPACTED AGGREGATES
  - B: HIGH WATER TABLE SOILS ORDER OF PREFERENCES – FLOWABLE FILL, CONCRETE, COMPACTED AGGREGATES.
3. ALL EXCAVATIONS PREPARED FOR PLACEMENT OF CONCRETE SHALL BE OF UNDISTURBED SOILS, SUBSTANTIALLY HORIZONTAL AND FREE FROM ANY LOOSE, UNSUITABLE MATERIAL OR FROZEN SOILS, AND WITHOUT THE PRESENCE OF POUNDING WATER. DEWATERING FOR EXCESS GROUND WATER SHALL BE PROVIDED WHEN REQUIRED. COMPACTION OF SOILS UNDER CONCRETE PAD FOUNDATIONS SHALL NOT BE LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR THE SOIL IN ACCORDANCE WITH ASTM D1557.
4. CONCRETE FOUNDATIONS SHALL NOT BE PLACED ON ORGANIC OR UNSUITABLE MATERIAL. IF ADEQUATE BEARING CAPACITY IS NOT ACHIEVED AT THE DESIGNED EXCAVATION DEPTH, THE UNSATISFACTORY SOIL SHALL BE EXCAVATED TO ITS FULL DEPTH AND EITHER BE REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION SHALL BE FILLED WITH CONCRETE OF THE SAME TYPE SPECIFIED FOR THE FOUNDATION. CRUSHED LIME STONE #57 MAY BE USED TO STABILIZE THE BOTTOM OF THE EXCAVATION. ANY STONE SUB BASE MATERIAL, IF USED, SHALL NOT SUBSTITUTE FOR REQUIRED THICKNESS OF CONCRETE.
5. ALL EXCAVATIONS SHALL BE CLEAN OF UNSUITABLE MATERIAL SUCH AS VEGETATION, TRASH, DEBRIS, AND SO FORTH PRIOR TO BACK FILLING. BACK FILL SHALL CONSIST OF APPROVED MATERIALS SUCH AS EARTH, LOAM, SANDY CLAY, SAND AND GRAVEL, OR SOFT SHALE, FREE FROM CLODS OR LARGE STONES OVER 2 1/2" MAX DIMENSIONS. ALL BACK FILL SHALL BE PLACED IN COMPACTED LAYERS.
6. ALL FILL MATERIALS AND FOUNDATION BACK FILL SHALL BE PLACED IN MAXIMUM 6" THICK LIFTS BEFORE COMPACTION. EACH LIFT SHALL BE WETTED IF REQUIRED AND COMPACTED TO NOT LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR SOIL IN ACCORDANCE WITH ASTM D1557.
7. NEWLY PLACED CONCRETE FOUNDATIONS SHALL CURE A MINIMUM OF 72 HRS PRIOR TO BACK FILLING.
8. FINISHED GRADING SHALL BE SLOPED TO PROVIDE POSITIVE DRAINAGE AND PREVENT STANDING WATER. THE FINAL (FINISH) ELEVATION OF SLAB FOUNDATIONS SHALL SLOPE AWAY IN ALL DIRECTIONS FROM THE CENTER. FINISH GRADE OF CONCRETE PADS SHALL BE A MAXIMUM OF 4 INCHES ABOVE FINAL FINISH GRADE ELEVATIONS. PROVIDE SURFACE FILL GRAVEL TO ESTABLISH SPECIFIED ELEVATIONS WHERE REQUIRED.
9. NEWLY GRADED GRAVEL SURFACE AREAS TO RECEIVE GRAVEL SHALL BE COVERED WITH GEOTEXTILE FABRIC TYPE: TYPAR-3401 AS MANUFACTURED BY TYPAR GEOSYNTHETICS OR AN APPROVED EQUIVALENT, SHOWN ON PLANS. THE GEOTEXTILE FABRIC SHALL BE BLACK IN COLOR TO CONTROL THE RECURRENCE OF VEGETATIVE GROWTH AND EXTEND TO WITHIN 1 FOOT OUTSIDE THE SITE FENCING OR ELECTRICAL GROUNDING SYSTEM PERIMETER WHICH EVER IS GREATER. ALL FABRIC SHALL BE COVERED WITH A MINIMUM OF 4" DEEP COMPACTED STONE OR GRAVEL AS SPECIFIED. I.E. FDOT TYPE NO. 57 FOR FENCED COMPOUND; FDOT TYPE NO. 67 FOR ACCESS DRIVE AREA, UNLESS OTHERWISE NOTED.
10. IN ALL AREAS TO RECEIVE FILL: REMOVE ALL VEGETATION, TOPSOIL, DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE. PLOW STRIP OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SUCH THAT FILL MATERIAL WILL BIND WITH (E)/PREPARED SOIL SURFACE.
11. WHEN SUB GRADE OR PREPARED GROUND SURFACE HAS A DENSITY LESS THAN THAT REQUIRED FOR THE FILL MATERIAL, SCARIFY THE GROUND SURFACE TO DEPTH REQUIRED, PULVERIZE, MOISTURE-CONDITION AND/OR AERATE THE SOILS AND RECOMPACT TO THE REQUIRED DENSITY PRIOR TO PLACEMENT OF FILLS.

12. IN AREAS WHICH (E) GRAVEL SURFACING IS REMOVED OR DISTURBED DURING CONSTRUCTION OPERATIONS, REPLACE GRAVEL SURFACING TO MATCH ADJACENT GRAVEL SURFACING AND RESTORED TO THE SAME THICKNESS AND COMPACTION AS SPECIFIED. ALL RESTORED GRAVEL SURFACING SHALL BE FREE FROM CORRUGATIONS AND WAVES.
13. (E) GRAVEL SURFACING MAY NOT BE REUSED.
14. GRAVEL SUB SURFACE SHALL BE PREPARED TO REQUIRED COMPACTION AND SUB GRADE ELEVATIONS BEFORE GRAVEL SURFACING IS PLACED AND/OR RESTORED. ANY LOOSE OR DISTURBED MATERIALS SHALL BE THOROUGHLY COMPACTED AND ANY DEPRESSIONS IN THE SUB GRADE SHALL BE FILLED AND COMPACTED WITH APPROVED SELECTED MATERIAL. GRAVEL SURFACING MATERIAL SHALL NOT BE USED FOR FILLING DEPRESSIONS IN THE SUB GRADE.
15. PROTECT (E) GRAVEL SURFACING AND SUB GRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE. USE PLANKING 'MATTS' OR OTHER SUITABLE PROTECTION DESIGNED TO SPREAD EQUIPMENT LOADS AS MAY BE NECESSARY. REPAIR ANY DAMAGE TO (E) GRAVEL SURFACING OR SUB GRADE WHERE SUCH DAMAGE IS DUE TO THE CONTRACTORS OPERATIONS.
16. DAMAGE TO (E) STRUCTURES AND/OR UTILITIES RESULTING FROM CONTRACTORS NEGLIGENCE SHALL BE REPAIRED AND/ OR REPLACED TO THE OWNERS SATISFACTION AT NO ADDITIONAL COST TO THE CONTRACT.
17. ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES AT NO ADDITIONAL COST TO THE CONTRACT.



3475 PIEDMONT ROAD NE  
SUITE 1000  
ATLANTA, GEORGIA 30305  
PHONE: (312) 638-5400



736 CARNEROS CIRCLE  
HIGH POINT NC, 27265

PROJECT NUMBER:	XXXX
DRAWN BY:	SB
CHECKED BY:	WW

1	09-15-17	FINAL CDs
0	07-10-17	FINAL CDs

SEAL:

SIGNATURE *O. Williams*

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

WA90XSCM1A  
9VAB002246  
COMMERCE STREET &  
UNION STREET  
OCCOQUAN, VA 22125  
NEW WOOD UTILITY POLE

SHEET TITLE  
**GENERAL NOTES**

SHEET NUMBER  
**GN-3**

## RF-EME Measurements & Compliance Report

Site ID: WA90XSCM1A  
Site Name: 9VAB002246\_A  
Market/Region: Washington DC  
Report Generated: 2018-06-08

Latitude: 38.6831  
Longitude: -77.2607  
Site Type: Utility Pole

### Compliance Status

Proposed equipment at the site is compliant with FCC guidelines for General Population environments.



Prepared in support of  
application submitted by:  
Mobilitie, LLC  
2220 University Drive,  
Newport Beach, CA 92660

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## Executive Summary

Mobilitie LLC has requested a detailed Radio Frequency (RF) analysis to determine whether the proposed communications site, 9VAB002246\_A, is in compliance with Federal Communication Commission (FCC) Rules and Regulations for ElectroMagnetic Emissions (EME).

This report addresses exposure to radio frequency electromagnetic fields in accordance with the FCC Rules and Regulations for all individuals, classified in two groups, "Occupational or Controlled" and "General Population or Uncontrolled."

**As explained in the subsequent sections, based on worst-case predictive modeling, the emitted power density from Mobilitie's proposed antennas at the site does not exceed the FCC Occupational limit or General Population limit. Modifications to the design will result in a power density value that is lower than the values presented here.**

## Statement of Compliance

Predictive modeling conducted using the Original Equipment Manufacturer's (OEMs) specifications for radio and antenna performance at 2496 MHz indicates there will be no exposure due to the carrier's proposed equipment on accessible walking surface at this site (6 ft above ground-level) that exceeds the FCC's General Population or Occupational Exposure limits. Thus, the proposed equipment at the site is compliant with FCC guidelines for General Population and Occupational Exposure environments.

**Table 1: Summary of Calculated Maximum Permissible Exposure from EME Analysis**

Test Location	% of FCC General Public/ Uncontrolled Exposure Limit	% of FCC Occupational/ Controlled Exposure Limit	Power Density (mW/cm <sup>2</sup> )	Compliance Status
6ft above ground level	4.0	0.8	<b>0.040</b>	Compliant

**Table 2: FCC Limits for General Population/Uncontrolled Exposure**

Frequency Range (MHz)	Electric Field Strength, E (V/m)	Magnetic Field Strength, H (A/m)	Power Density, S (mW/cm <sup>2</sup> )	Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (minutes)
0.3 - 1.34	614	1.63	100	30
1.34 - 30	824/f	2.19/f	180/f <sup>2</sup>	30
30 - 300	27.5	7.2999	0.2	30
300 - 1500	-	-	f/1500	30
<b>1500 - 100000</b>	-	-	<b>1</b>	<b>30</b>

**Table 3: FCC Limits for Occupational/Controlled Exposure**

Frequency Range (MHz)	Electric Field Strength, E (V/m)	Magnetic Field Strength, H (A/m)	Power Density, S (mW/cm <sup>2</sup> )	Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (minutes)
0.3 - 3.0	614	1.63	100	6
3.0 - 30	1842/f	4.89/f	900/f <sup>2</sup>	6
30 - 300	61.4	0.1630	1	6
300 - 1500	-	-	f/300	6
<b>1500 - 100000</b>	-	-	<b>5</b>	<b>6</b>

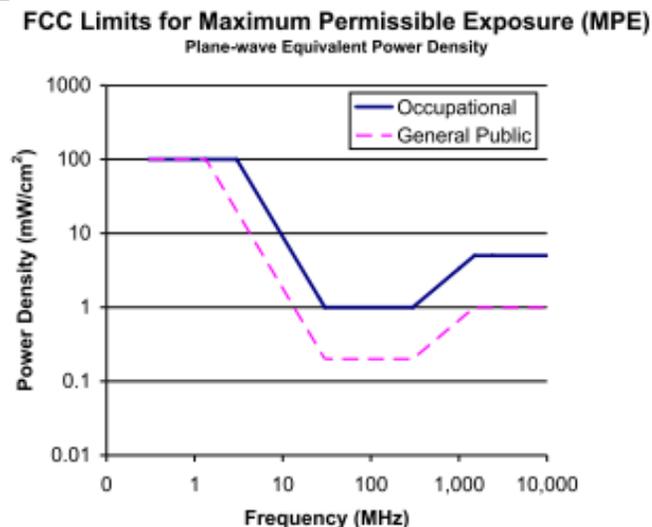
## FCC Rules and Regulations

In 1996, the Federal Communication Commission (FCC) adopted regulations for the evaluating of the effects of RF emissions in 47 CFR § 1.1307 and 1.1310. The guideline from the FCC Office of Engineering and Technology is Bulletin 65 (OET Bulletin 65), Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields, Edition 97-01, published August 1997. Since 1996 the FCC periodically reviews these rules and regulations as per their congressional mandate.

FCC regulations define two separate tiers of exposure limits: Occupational or "Controlled environment" and General Population or "Uncontrolled environment". The General Population limits are generally five times more conservative or restrictive than the Occupational limit. These limits apply to accessible areas where workers or the general population may be exposed to Radio Frequency (RF) electromagnetic fields. Occupational or Controlled limits apply in situations in which persons are exposed as a consequence of their employment and where those persons exposed have been made fully aware of the potential for exposure and can exercise control over their exposure.

An area is considered a Controlled environment when access is limited to these aware personnel. Typical criteria are restricted access (i.e. locked or alarmed doors, barriers, etc.) to the areas where antennas are located coupled with proper RF warning signage. A site with Controlled environments is evaluated with Occupational limits. All other areas are considered Uncontrolled environment. If a site has no access controls or no RF warning signage it is evaluated with General Population limits.

The theoretical modeling of the RF electromagnetic fields has been performed in accordance with OET Bulletin 65. The Maximum Permissible Exposure (MPE) limits utilized in this analysis are outlined in the following diagram:

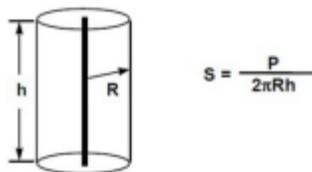


[Federal Communication Commission Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields p. 67-68](#)

## Methodology

RoofView® is a powerful, Excel based software analysis tool for evaluating Radio Frequency (RF) field levels at telecommunications sites that are produced by antennas of the type commonly used in the cellular, paging, SMR, PCS and conventional two-way radio communication services.

RoofView® uses a near-field method of computing the field based on the assumption that the total input power delivered to the antenna (P), at its input terminal, is distributed over an imaginary cylindrical surface surrounding the antenna (see Figure 1). The height of the cylinder (h) is equal to the aperture height of the antenna while the radius (R) is the distance from the antenna at which the field power density is to be computed.



The modeling was conducted with the antennas operating at 100% capacity, all antenna channels transmitting simultaneously and the radio transmitters operating at full power. Obstructions (trees, buildings etc.) that would normally attenuate the signal are not taken into account. As a result, the predicted signal levels are more conservative (higher) than the actual signal levels would be during normal operations. The modeling calculations were made for a 40x 40 foot area with the equipment at the center.

Backhaul has been modeled as a User Equipment Relay (UER) operating at an aggressively low height of 17.5 ft to reflect worst-case exposure. As height increases, the impact of the UE Relay reduces even further. Because of its low power level compared to the RF antenna, the contribution of the UE Relay to the overall EME of the site is minimal and will not impact the calculated compliance levels for Maximum Permissible Exposure as calculated in this EME report.

The site has been modeled with these assumptions to calculate the maximum RF energy density as a worst-case scenario. If actual power density measurements were made, these are expected to be below the levels shown in this report.

## Antenna Inventory

The Antenna Inventory shows all transmitting antennas at the site. This inventory was provided by the customer, and was utilized to perform theoretical modeling of RF emissions.

The antenna inventory and operating power includes the following information:

- Wireless applicant name
- Antenna type, manufacturer and model
- Frequency or frequency band
- Transmitter power, in Watts
- Effective Radiated Power (ERP), in Watts

Table 4: Antenna Inventory

Antenna ID	Wireless Applicant	Antenna Type	Frequency (MHz)	Technology	Mfg.	Model	Aperture (ft.)
1	Mobilitie	RF Omni	2496	LTE	Alpha Wireless	AW3477-S	2.56
2	Mobilitie	UER Directional	2496	LTE	Nokia Gemtek	473763A	1.10

Table 5: Antenna Operating Power

Antenna ID	Frequency (MHz)	# of Transmitters	Power per Transmitter (W)	Gain dBd	ERP (W)	Horizontal BeamWidth (deg)	Z (6 ft. above ground)
1	2496 (Omni)	2	20.00	6.35	172.58	360	26
2	2496 (UE Relay)	1	0.40	8.85	3.05	57	11

## Preparer Certification

The scope of work of this report is limited to an evaluation of the electromagnetic energy emissions field generated by the antennas listed in the report. The engineering and design of all related structures as well as the impact of the antennas on the structural integrity of the design are specifically excluded from the scope of work.

As the preparer of this report, I am fully aware of and familiar with the rules and regulations of both the Federal Communications Commission (FCC) and the Occupational Safety and Health Administration (OSHA), both in general and specifically as they apply to the guidelines for human exposure to Radio Frequency (RF) radiation.

I have reviewed this RF exposure assessment and compliance report and believe it to be both true and accurate to the best of my knowledge.

Certified By: *Lincy John*

Title: Senior Engineer, EME Certification Team



**TOWN OF OCCOQUAN**  
**TOWN COUNCIL MEETING**  
Agenda Communication

**9. Regular Business**

**Meeting Date:** July 3, 2018

**9 B: Request to Approve Lease for Replacement Public Safety Vehicle**

**Explanation and Summary:**

This is a request to authorize the Town to enter into a lease agreement to obtain and use a 2015 Ford Police Interceptor sedan for public safety purposes. The Town currently has two public safety vehicles (2014 Ford Explorer and 2008 Crown Victoria) both with increasing maintenance requirements. Police vehicles generally have a service life of 4 to 5 years or approximately 100,000 miles (based on maintenance costs). The anticipated maintenance cost for the 2008 Crown Victoria are expected to exceed the value of the vehicle in the near future. The Town has projected replacement police vehicle in the CIP for 2021.

The proposed lease would be for a 2015 Ford Police Interceptor sedan with approximately 14,000 miles and outfitted with emergency lights and equipment. The proposed lease term would be for renewable one year term(s) between the Town and a town staff member for the amount of \$1 per year. The Town would be responsible for the tax, title, insurance, and maintenance of the lease vehicle.

The lease of this vehicle will replace one of the Town's current public safety vehicles.

**Town Attorney's Recommendation:** I recommend approval, conditioned on the staff member who owns the vehicle having no participation in the procurement process on behalf of the Town.

**Town Manager's Recommendation:** Concur with the Town Attorney's recommendation.

**Cost and Financing:** \$1.00/year

**Account Number:** 64030 - Public Safety, Maintenance and Repairs

**Proposed/Suggested Motion:**

"I move to authorize the Town Council to enter into a lease agreement to obtain and use a 2015 Ford Police Interceptor sedan for the Police Department for one dollar per year, pending Town Attorney review."

OR

Other action Council deems appropriate.

**Attachments:** None.



# TOWN OF OCCOQUAN

## TOWN COUNCIL MEETING

### Agenda Communication

<b>9. Regular Business</b>	<b>Meeting Date:</b> July 3, 2018
<b>9 C: Request to Purchase Replacement Refuse and Recycling Containers – Phase II</b>	

#### **Explanation and Summary:**

The FY2018 – FY2022 Capital Improvement Plan includes funding in FY2018, FY2019 and FY2020 for a three-phase plan to replace the aggregate and brown public refuse containers that are maintained and serviced by the Town of Occoquan. During Phase I, the Town purchased 11 black slat refuse containers and 3 recycling containers and relocated several of the aggregate containers to new locations within the historic district. As part of the River Mill Park fit out process in 2016, the town purchased five refuse containers and three recycling containers. This is a request to replace the remaining aggregate containers with the new style containers.

The attached map identifies the current locations of the black slat containers and the proposed locations of the Phase II replacement containers. The replacement program includes both refuse and recycling containers.

There are many recommendations on where to place and how far apart to place refuse containers, from 2 to 4 containers per block to placing a container every 200 feet. Some research also suggests adding refuse containers in high traffic areas, near seating, restaurants, and entrances to civic or community buildings. This recommendation includes refuse containers at each major intersection, high traffic areas, and mid-block within the Historic Business District.

This request includes the purchase of 12 refuse containers and 2 recycling containers as Phase II of the replacement program. The cans that will be replaced as part of Phase I are included in the attached map. The Phase II replacement plan focuses on replacing the remaining aggregate cans in town. Impacted aggregate cans will be relocated and surplus cans will be sold through the Town's surplus auction site. Phase III of the program can be implemented to increase the number of refuse and recycling containers within the town.

**Town Manager's Recommendation:** Recommend approval.

**Cost and Financing:** \$11,747.48

**Account Number:** FY2019 CIP – Trash/Recycling Containers Replacement  
(Budget, \$17,000)

**Proposed/Suggested Motion:**

“I move to approve the purchase of refuse and recycling containers as part of Phase II of the refuse container replacement plan for an amount not to exceed \$11,747.48.”

OR

Other action Council deems appropriate.

**Attachments: (4)** Refuse Container Quote  
Detail of Containers  
Map – Location of Proposed and Current Container Placement  
FY2019 CIP Projects Tracking



Company Address 211 N Lindbergh Blvd  
St. Louis, MO 63141  
US

Created Date 6/28/2018  
Expiration Date 7/28/2018  
Quote Number SFQ-00024173

Prepared By Hayley Hillman  
Email hayley.hillman@upbeat.com

Contact Name KIRSTYN JOVANOVIH  
Phone 70349119182  
Email kjovanovich@occoquanva.gov

Bill To Name TOWN OF OCCOQUAN  
Bill To PO BOX 195  
OCCOQUAN, VA 22125  
US

Ship To Name TOWN OF OCCOQUAN  
Ship To 124 COMMERCE STREET  
OCCOQUAN, VA 22125  
US

Product	Line Item Description	Sales Price	Quantity	Total Price
L1378BRT-Rendezvous 32 Gallon Recycler, Bold Recycler Top	RECEPTACLE COLOR: TEXTURED BLACK / LABEL: RECYCLE LOGO ONLY (WHITE)	\$736.00	2.00	\$1,472.00
L1378BT-Rendezvous 32 Gallon Trash Receptacle, Bonnet Top	RECEPTACLE COLOR: TEXTURED BLACK	\$805.00	6.00	\$4,830.00
L1378CT-Rendezvous 32 Gallon Trash Receptacle, Contour Top	RECEPTACLE COLOR: TEXTURED BLACK	\$759.00	6.00	\$4,554.00

Subtotal \$10,856.00  
Shipping and Handling \$891.48  
Tax \$704.84  
Total \$12,452.32

All 3rd Party Freight and Will Call orders are subject to a 5% handling fee.

# Refuse Container



[My Account](#) | [Order Status](#) | [Contact Us](#) | [Saved for Later \(0\)](#)



[Benches](#)

[Picnic Tables](#)

[Bike Racks](#)

[Park & Pool](#)

[Signs](#)

[Floor Mats](#)

[Indoor Solutions](#)

[Traffic & Safety](#)

[Trash Receptacles](#)

[Trash Receptacles](#) > [Trash Receptacle Materials](#) > [Plastisol Coated Metal](#)



## Rendezvous 32 Gallon Trash Receptacle, Contour Top

[Write a Review](#)



Item #L1378CT

**\$825 / each**

[Estimate Shipping](#)



Quantity

[Add to Cart](#)

[Save for Later](#)

32"H x 28"Dia. | 89 lbs  
Estimated Ship Date: March 2, 2018

[Spec Sheet](#)

RECEPTACLE COLOR: BLACK



Colors may vary due to monitor resolution and personal settings.  
For an exact match, please [request a sample](#).

\* Select colors require an additional charge.



Description

[Complimentary Items](#)

[Q & A](#)

[Reviews](#)

Rendezvous receptacles offer classic details with quality workmanship.

Uncompromising strength and superior construction with the exceptional Fusion Advantage finish.

- FA** • **20-year limited structural warranty with 7-year finish warranty**; see full details on multi-year warranties for components [here](#).
- Steel slats are protected by the patented [Fusion Advantage](#) finish that won't rust, fade, peel, chip, crack, mold or mildew
- Fade-resistant, powder coated steel tops feature a state-of-the-art primer proven to prevent rusting
- Includes top, reusable plastic liner and adjustable rubber feet
- Tops include strap and hardware to secure it to the receptacle base
- Matching benches, planters, recyclers, tables and pedestal chairs are available
- Federally ADA-compliant\*

\*Please check your local regulations for possible additional requirements.

See detailed information about our [Warranty](#) or [Shipping](#) services.

See other items in this [Brand](#).

See more items in the [Rendezvous](#) collection.

# Recycling Container



[My Account](#) | [Order Status](#) | [Contact Us](#) | [Saved for Later \(0\)](#)



[Benches](#) | [Picnic Tables](#) | [Bike Racks](#) | [Park & Pool](#) | [Signs](#) | [Floor Mats](#) | [Indoor Solutions](#) | [Traffic & Safety](#) | [Trash Receptacles](#)

[Trash Receptacles](#) > [Recycling Receptacles](#) > [Outdoor Recyclers](#)

[Share](#) [Tweet](#) [Share](#) [Share](#) [email](#) [print](#)

## Rendezvous 32 Gallon Recycler, Bold Recycler Top



[Write a Review](#)

Item #L1378BRT

**\$800 / each**

[Estimate Shipping](#)



Quantity

[Add to Cart](#)

[Save for Later](#)

33"H x 28"Dia. | 89 lbs  
Estimated Ship Date: March 2, 2018

[Spec. Sheet](#)

RECEPTACLE COLOR: BLACK



LABEL: RECYCLE LOGO ONLY (WHITE)



Colors may vary due to monitor resolution and personal settings.  
For an exact match, please [request a sample](#).

\* Select colors require an additional charge.

Description

[Complimentary Items](#)

[Q & A](#)

[Reviews](#)

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- Steel slats are protected by the patented Fusion Advantage finish that won't rust, fade, peel, chip, crack, mold or mildew
- Fade-resistant, powder coated steel tops feature a state-of-the-art primer proven to prevent rusting
- Includes top, reusable plastic liner and adjustable rubber feet
- Tops include strap and hardware to secure it to the receptacle base and decals
- Matching benches, planters, receptacles, tables and pedestal chairs are available
- Federally ADA-compliant\*

\*Please check your local regulations for possible additional requirements.

See detailed information about our [Warranty](#) or [Shipping](#) services.

See other items in this [Brand](#).

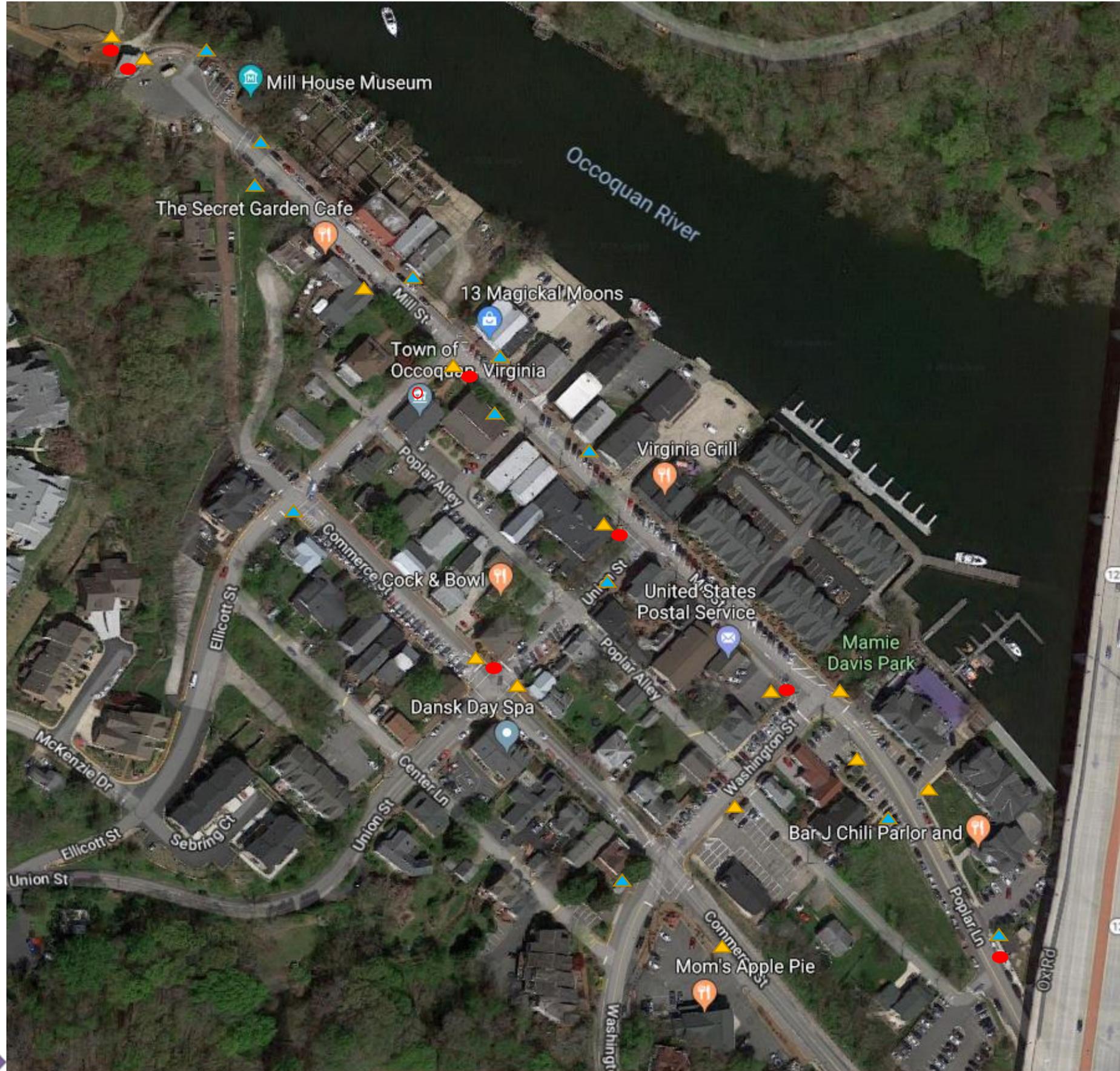
See more items in the [Rendezvous](#) collection.



**Current and Proposed Locations**

- ▲ Proposed Phase II Street Refuse Container
- ▲ Current Black Steel Refuse Container
- Recycling Container

RMP Fit Out: 5 refuse, 2 recycling  
Phase I: 11 refuse, 3 recycling  
Phase II: 12 refuse, 2 recycling  
Total: 28 refuse, 7 recycling



### FY 2019 CIP Projects Tracking

Project	Dept	Status	Budget	Actual	Difference	Notes
Ellicott/Mill & Washington/Mill Crosswalks	Public Works	NOT STARTED	\$ 84,000	\$ 84,000	\$ -	Matching funds for VDOT grant - pending
Town Hall sidewalk rebuild/repair	Public Works	NOT STARTED	\$ 10,000	\$ 10,000	\$ -	
Trash/Recycling Container Replacement - Phase II	Public Works	NOT STARTED	\$ 17,000	\$ 11,747	\$ 5,253	Optional Phase III to add trash/recycling containers
Tanyard Hill Trail	Parks		\$ -		\$ -	Grant through Trails and Streams Coalition (\$4,500)
Canoe/Kayak Install	Parks		\$ 40,000	\$ 40,000	\$ -	(\$25,000 match; \$15,000 Admin Costs)
LIDAR Speed Detection Related Equip	Public Safety		\$ -		\$ -	Grant request - matching is in fuels (operating) (\$2,300)
Body Camera	Public Safety				\$ -	from Grant Surplus - Public Safety Fund
Body Armor	Public Safety				\$ -	Partial grant (50/50) (\$1,200); funding to pull from Grant Surplus - Public Safety Fund
Pedestrian Safety Grant	Public Safety		\$ -		\$ -	Grant requested (\$2,300)
Document Management Scanning	IT	NOT STARTED	\$ 2,500	\$ 2,500	\$ -	
			<b>\$ 153,500</b>	<b>\$ 148,247</b>		

*italics = estimate*

<b>Planned CIP by 6/30/19</b>	<b>\$148,247</b>
<b>Full Budgeted FY CIP</b>	<b>\$153,500</b>
<b>Difference to Budget</b>	<b>\$5,253</b>



**TOWN OF OCCOQUAN**  
**TOWN COUNCIL MEETING**  
Agenda Communication

<b>9. Regular Business</b>	<b>Meeting Date: July 3, 2018</b>
<b>9 D: Request to Appoint Town Positions</b>	

**Explanation and Summary:**

This is a request to appointment the following Town positions:

Town Engineer/Floodplain Manager/Asst. Zoning Administrator/Asst. Subdivision Agent  
Bruce Reese, Vice-President, Legacy Engineering

Zoning Administrator/Subdivision Agent/Asst. Town Engineer  
Ned Marshall, Executive Vice President, The Engineering Groupe

Town Attorney  
Martin Crim, Vanderpool, Frostick & Nishanian, PC

Town Clerk  
Christopher Coon

Town Treasurer  
Carla Rodriguez

**Cost and Financing:** Per contract(s) and fee schedule(s)

**Account Number:** Professional Services

**Proposed/Suggested Motion:**

"I move to appoint,

- Bruce Reese as Town Engineer, Floodplain Manager, Asst. Zoning Administrator, and Asst. Subdivision Agent;
- Ned Marshall as Zoning Administrator, Subdivision Agent, and Asst. Town Engineer;
- Martin Crim as Town Attorney;
- Christopher Coon as Town Clerk; and
- Carla Rodriguez as Town Treasurer

OR

Other action Council deems appropriate.

**Attachments: None.**



**TOWN OF OCCOQUAN**  
**TOWN COUNCIL MEETING**  
Agenda Communication

<b>9. Regular Business</b>	<b>Meeting Date:</b> July 3, 2018
<b>9 E: Request to Appoint Members to Boards and Commissions</b>	

**Explanation and Summary:**

The Town Council appoints members to the Town's Architectural Review Board and Planning Commission. In addition, the Town Council makes recommendations to the Prince William County Circuit Court for appointments to the Town's Board of Zoning Appeals.

Currently, there are a minimum of two vacancies on the Planning Commission, two vacancies on the Architectural Review Board, and one vacancy and one expiring term on the Board of Zoning Appeals.

In addition, the Town Council appoints Town Council members to serve as the Town Council representatives on the ARB and Planning Commission.

**ARB:** one alternate position; Planning Commission Representative (a member of the PC serves on the ARB as the PC representative); Town Council representative

**Planning Commission:** two regular positions; Town Council representative

**BZA:** one position term expiring (Mary Ann Phelps); one vacancy

This is a request for the Town Council to make appointments to the Planning Commission, ARB, and BZA, and to designate the Town Council representatives to the ARB and Planning Commission.

**Town Manager's Recommendation:** Recommend appointment of members to Boards and Commissions.

**Cost and Financing:** N/A  
**Account Number:** N/A

**Proposed/Suggested Motion:**

"I move to appoint \_\_\_\_\_ to the Planning Commission and \_\_\_\_\_ to the Architectural Review Board, effective July 3, 2018. I further move to submit the following individuals for consideration of appointment to the Board of Zoning Appeals to the Prince William County Circuit Court:\_\_\_\_\_. I

further move to designate \_\_\_\_\_ as the Council representative to the Architectural Review Board, and \_\_\_\_\_ as the Council representative to the Planning Commission, with their terms running with their term of office.”

OR

Other action Council deems appropriate.

**Attachments:** None.



**TOWN OF OCCOQUAN**  
**TOWN COUNCIL MEETING**  
Agenda Communication

<b>9. Regular Business</b>	<b>Meeting Date:</b> July 3, 2018
<b>9 F: Request to Approve Resolution to Designate Interim Town Manager</b>	

**Explanation and Summary:**

Town Manager Kirstyn Barr Jovanovich will be leaving her position with the Town of Occoquan effective July 3, 2018. Code of Virginia Section 15.2-1503(C) authorizes the Town Council to designate a responsible person to temporarily perform the duties of the Town Manager in her absence. This is a request for the Town Council to appoint an Interim Town Manager to perform the duties of the Town Manager until the position is permanently filled.

**Town Attorney's Recommendation:** Recommend approval of the attached resolution.

**Town Manager's Recommendation:** Recommend approval.

**Cost and Financing:** N/A

**Account Number:** N/A

**Proposed/Suggested Motion:**

"I move to approve the Resolution designating \_\_\_\_\_ as Interim Town Manager to temporarily exercise the powers and perform the duties of Town Manager, with the authority to delegate said powers and duties, and be compensated at the rate of \_\_\_\_\_, until the position of Town Manager is permanently filled."

OR

Other action Council deems appropriate.

**Attachments: (1)** Resolution Designating Interim Town Manager

## RESOLUTION

### RESOLUTION TO DESIGNATE INTERIM TOWN MANAGER

**WHEREAS**, Town Manager Kirstyn Barr Jovanovich will be leaving her position with the Town of Occoquan effective July 3, 2018, as she has accepted a position with another locality, and

**WHEREAS**, the Town Council congratulates her and wishes her all the best, but must make plans for the performance of the Town Manager's duties while the Town Council performs a search to fill the position, and

**WHEREAS**, Virginia Code § 15.2-1540 and Section 5 of the Town Charter authorize the appointment of a chief administrative officer, to be known as the Town Manager, with duties set out in Virginia Code § 15.2-1541 and throughout the Town Code, and

**WHEREAS**, Virginia Code § 15.2-1503 C. authorizes the Town Council to "designate some responsible person to temporarily perform the duties of the office" in the absence of any officer, and

**WHEREAS**, Article VII § 6 of the Virginia Constitution, Virginia Code § 15.2-1535 A., and Town Code § 2-183 (c) prohibit the appointment of any member of council to the position of Town Manager, and

**WHEREAS**, Virginia Code § 15.2-1423 provides that "[i]n the event that there is no chief administrative officer, it shall be the duty of the . . . mayor . . . to see that the functions set forth in § 15.2-1541 are carried out if the governing body has not acted otherwise," and

**WHEREAS**, under Virginia Code § 15.2-1501, Town Council "also may authorize the chief administrative officer to designate officers and employees to perform administrative duties and to exercise administrative powers," and

**NOW, THEREFORE, BE IT RESOLVED** that effective July 3, 2018, the Town Council designates \_\_\_\_\_ as Interim Town Manager to temporarily exercise the powers and perform the duties of the Town Manager as set out in Virginia Code § 15.2-1541 and throughout the Town Code, and to delegate from time to time such powers and duties to officers or employees of the Town, until the position is permanently filled, and

**MOTION:**

**DATE: July 3, 2018**  
**Regular Meeting**

**SECOND:**

**Attachments: None.**

**Votes**

**Ayes:**

**Nays:**

**Absent from Vote:**

**Absent from Meeting:**

**BY ORDER OF THE TOWN COUNCIL**

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**Earnie Porta, Mayor**

**Attested:**

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**Christopher Coon, Town Clerk**