



Tobin, Carberry, O'Malley, Riley & Selinger, P.C.

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New London, CT 06320
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www.tcors.com

May 20, 2019

RECEIVED

MAY 22 2019

SELECTMAN'S OFFICE
BRANFORD, CONN.

By Certificate of Mailing

Honorable James B. Cosgrove
First Selectman
Selectman's Office
Branford Town Hall
1019 Main Street
Branford, CT 06405

Re: Notice of Adjoining Property Owner Notifications by Crown Castle Fiber LLC for Small Cell Attachment on Utility Pole in the Public Rights-of-Way

Location: Adjacent to property located in the public rights of way in the vicinity of 195-99 Thimble Islands Road, Branford (Connecticut Light & Power Company Pole: 37976) (Crown Castle Site Number 0001/Location – Town of Branford– CNH079)

Dear First Selectman Cosgrove:

Our firm represents Crown Castle Fiber LLC ("Crown Castle"). Crown Castle is a wireless infrastructure provider, certificated by the Connecticut Public Utilities Regulatory Authority ("PURA" or the "Authority") to construct telecommunications facilities throughout the State of Connecticut. Crown Castle is currently an infrastructure provider for Sprint Communications Company L.P. (Sprint). Crown Castle is in the process of upgrading the Sprint wireless network in Branford and intends to install a small cell wireless antenna and associated equipment on a utility pole in the public right-of-way ("PROW"). This network upgrade project will allow Sprint to provide your community with enhanced wireless voice and data services. Federal and State laws permit Crown Castle to implement these system upgrades following the procedure outlined below.

Pursuant to Connecticut General Statutes Section 16-234 and Authority decisions, Crown Castle has provided notification of its intent to install a small cell wireless antenna and associated equipment on an existing utility pole, or, if indicated on the enclosed plans, a replacement for an existing utility pole to the owners of real property immediately adjoining the project pole location.¹ For your reference, a list of property owners to whom notice was sent and a copy of

¹ The Authority has defined "immediate adjoining property owners" as "property owners whose property is actually physically congruous to the affected section of the PROW" and also requires that notice be provided to "those

the notice materials sent to the immediate adjoining property owners (the "Immediate Adjoining Property Owners") are enclosed as Attachment A and Attachment B.

Crown Castle may not place an antenna or equipment on a utility pole in the public right-of-way without either the consent of Immediate Adjoining Property Owners, or, if their consent cannot be obtained, without the Authority's approval. If the Immediate Adjoining Property Owners do not contact Crown Castle within thirty (30) days from the date of the notification, their consent to the placement of the antenna and associated equipment on the identified pole is presumed. The Immediate Adjoining Property Owners may contact Crown Castle or the Authority during this time to indicate that they withhold consent.

The Authority has directed small cell construction applicants to notify the chief elected official, or his or her designee, regarding these applications when notice is provided.² The host municipality of the small cell project will be designated a participant in the application for Authority approval of the project.³ If the application becomes a contested case based on an adjoining owner objection, then the host municipality will be designated an intervenor in the application proceeding. In those cases in which the municipality also owns property adjoining the project location, the municipality will be designated a party to the application proceeding upon expressing an objection to the installation.

The Authority also directed that wireless infrastructure providers request consultation with the host municipality concerning the project at least 30 days prior to filing the application for project approval.⁴ This letter constitutes Crown Castle's request for consultation. The following Crown Castle representative or our office would be pleased to confer with you or your designee, or to meet, to discuss the project and answer questions:

Amanda Cornwall
Government Relations Specialist
Crown Castle
1800 West Park Drive, Second Floor
Westborough, Massachusetts 01581
Telephone: (508) 621-9147
Ct.abutters@crowncastle.com

Beginning thirty (30) days after the notice to the Immediate Adjoining Property Owners and the date of this letter, whichever occurs later, Crown Castle may file an Application for Approval of a Construction Plan for the above-referenced facility with the Authority. You will receive a copy of the application filing for this installation when it is submitted to the Authority.

property owners that are across the street from the congruous properties to the utility pole to which the small cell antenna will be attached." See Docket No. 17-02-49, *PURA Formalization of Small Cell Antenna Applicant Processes and Procedures to Construct Facilities in Connecticut's Public Rights-of-Way*, Decision at 4 (Jun. 2, 2017)("Small Cell Processes Decision"). A copy of the Small Cell Processes Decision is available at the following link:[http://www.dpuc.state.ct.us/dockcurr.nsf/8e6fc37a54110e3e852576190052b64d/042d1fd385e5872a85258133005ce100/\\$FILE/170249-060217.docx](http://www.dpuc.state.ct.us/dockcurr.nsf/8e6fc37a54110e3e852576190052b64d/042d1fd385e5872a85258133005ce100/$FILE/170249-060217.docx).

² See Small Cell Processes Decision at 5.

³ *Id.*, at 5, 12.

⁴ *Id.* at 12.

Please contact me or Ms. Cornwall if you have any questions or wish to discuss this project.

Sincerely,

A handwritten signature in cursive script that reads "Glenn T. Carberry". The signature is written in black ink and is positioned above the printed name.

Glenn T. Carberry, Esq.

Tobin, Carberry, O'Malley, Riley & Selinger, P.C.
Attorneys for Crown Castle

Attachment A

List of Property Owners⁵

<u>Town</u>	<u>Address</u>	<u>Property Owner Name</u>	<u>Property Owner Mailing Address</u>
Branford	196-200 Thimble Islands Road	James E. Collopy Est & Eleanor P. Collopy Est Trustee	196-200 Thimble Islands Road Branford, CT 06405
Branford	195-99 Thimble Islands Road	Town of Branford	1019 Main Street Branford, CT 05405
Branford	203 Thimble Islands Road	Town of Branford	1019 Main Street Branford, CT 05405
Branford	191 Thimble Islands Road	Jerry C & Jane M Shaw (TIC)	1188A Thimble Islands Road Branford, CT 06405
Branford	192 Thimble Islands Road	Church of Christ	192 Thimble Islands Road Branford, CT 06405
Branford	202 Thimble Islands Road	Thomas Colville	111 Old Quarry Road Guilford, CT 06437

⁵ The Authority has defined "immediate adjoining property owners" as "property owners whose property is actually physically congruous to the affected section of the PROW" and also requires that notice be provided to "those property owners that are across the street from the congruous properties to the utility pole to which the small cell antenna will be attached." See Docket No. 17-02-49, PURA Formalization of Small Cell Antenna Applicant Processes and Procedures to Construct Facilities in Connecticut's Public Rights-of-Way, Decision at 4 (Jun. 2, 2017) ("Small Cell Processes Decision"). If an adjoining property is owned by the municipality, the property owner notification is mailed to the municipality's Chief Elected Official.

Attachment B

Sample Copy of Notification Materials Sent to Adjoining Property Owners



Crown Castle
1800 West Park Drive
2nd Floor
Westborough, MA 01581

May 10, 2019

JAMES E. COLLOPY EST + ELEANOR P. COLLOPY EST TRUSTEE
196-200 THIMBLE ISLANDS RD
BRANFORD, CT 06405

By Certificate of Mailing

Re: Utility Pole Attachment to be Performed by Crown Castle Fiber LLC at Connecticut Light & Power Co. Pole #37976, Located in the Public Rights-of-Way along 195-99 THIMBLE ISLANDS RD, Branford, Connecticut. Crown Castle's Identification Number for the Proposed Installation is PURA Site Number 0001, Location – Branford, Connecticut – CNH079

Dear Property Owner:

Crown Castle Fiber LLC ("Crown Castle") is in the process of upgrading Sprint Communications Company L.P.'s (Sprint) wireless network at the pole location identified above ("Pole Location") in the vicinity of your property. Crown Castle is a wireless infrastructure provider, certificated by the Connecticut Public Utilities Regulatory Authority ("PURA" or the "Authority") to construct telecommunications facilities throughout the State of Connecticut. Crown Castle is currently an infrastructure provider for Sprint Communications Company L.P. (Sprint).

Sprint has determined that it is necessary to install a small cell wireless omni-directional antenna and associated radio and electrical equipment on an existing utility pole or, if indicated on the enclosed plans, on a replacement utility pole to be placed within the public rights-of-way at the same location. This service upgrade project will allow Sprint to provide customers in the project area with enhanced and more reliable wireless services.

Federal and state law permits Crown Castle to install and operate new antennas and associated equipment on utility poles in the public rights of way. The PURA has jurisdiction over the attachment of small cell wireless antenna facilities to existing utility poles, or replacement poles for existing utility poles, located in the public rights-of-way.¹

Project Notice and Application Process:

Pursuant to Connecticut General Statutes ("CGS") section 16-234, Crown Castle may not place its antennas or equipment on a utility pole in the public rights-of-way without *either* (1) the consent of owners

¹ See Decision, Docket No 16-06-38, *Request for Declaratory Ruling by the Town of Greenwich et al. Regarding Regulatory Authority Over Small Cell Wireless Facilities* (Dec. 14, 2016).

of adjoining property or (2) if consent cannot be obtained, the approval of PURA.² An excerpt of CGS section 16-234, which details your rights is included in Attachment A. PURA has defined the term "owners of adjoining property" to mean the owners whose property is actually physically contiguous to the affected section of the public right-of-way where the utility pole is located, and the owners of the property across the street from the contiguous parcels. PURA refers to these owners as "Immediate Adjoining Property Owners"³ or APOs. You are receiving this notification because local municipal records identify your property as being considered contiguous to the identified pole where the Crown Castle equipment is proposed to be installed.

Please note that if you do not contact Crown Castle's representative to note any objection to the proposed project within thirty (30) days from the date of this letter, we will presume that you consent to the placement of the antenna and associated equipment on the identified pole and will so advise PURA. During the thirty (30) days from the date of this letter, you may also contact me or PURA to indicate that you withhold consent.

Beginning thirty (30) days after the date of this letter, Crown Castle may file an Application for Approval of a Construction Plan ("Application") for the above-referenced facility with PURA. In its Application, Crown Castle will advise PURA of the correspondence, emails, and telephone contacts I have received from Immediate Adjoining Property Owners in response to this letter.

PURA's Consideration of Objections:

Upon receipt of Crown Castle's Application, PURA will directly contact those Immediate Adjoining Property Owners that have withheld consent regarding the process to be followed by PURA to review Crown Castle's Application. If you withhold consent (i.e., note an objection), PURA will provide you with an opportunity to file a written confirmation of your objection and request for a hearing. You may then appear before PURA on a specified date to present your concerns and to respond to questions from PURA staff and representatives from other interested parties regarding your concerns.

PURA has instructed Crown Castle and other wireless infrastructure providers to inform municipalities and Immediate Adjoining Property Owners that PURA has no jurisdiction or statutory authority to address the health effects associated with radio frequency ("RF") emissions for any installations that comply with the Federal Communications Commission ("FCC") standards.⁴ The FCC is charged by Congress with

² In its Decision in Docket No. 07-03-34RE01 *Application of the Cities of Bridgeport, Danbury and Stamford for a Declaratory Ruling Regarding the Safety of VRAD Boxes – Judgment on Stipulation*, PURA clarified that "any 'telegraph, telephone or electric light company or association [and] any company or associate engaged in distributing electricity by wires or similar conductors or in using an electric wire or conductor for any purpose' may 'change the location of, or ... erect or place, wires conductors, fixtures, structures or apparatus of any kind over, on or under any highway or public ground' only after it has provided prior notice and obtained consent of adjoining proprietors before installation under General Statutes of Connecticut section 16-234." See Docket No. 07-03-34RE01 Decision at 20 (Aug. 12, 2009).

³ See Docket No. 17-02-49, *PURA Formalization of Small Cell Antenna Applicant Processes and Procedures to Construct Facilities in Connecticut's Public Rights-of-Way*, Decision at 4, 12 (June 2, 2017) ("Small Cell Processes Decision").

⁴ Small Cell Processes Decision at 9, 13.

sole authority for the RF emissions standards that Crown Castle, on behalf of Sprint, and other commercial mobile radio service ("CMRS") facilities must meet to ensure protection of public health and safety.⁵ State and local agencies are barred from applying other standards and Crown Castle provides PURA with evidence of compliance with the FCC standard for each project.

Similarly, PURA has determined it has no authority to consider objections to a small cell project based on claims of adverse impacts to property values or aesthetic impacts. Therefore, PURA will not perform an evaluation of these claims, and will not deny an application on these grounds.

Project Details:

An exhibit detailing Crown Castle's plans to attach an omni-directional antenna along with radio and electrical service equipment to the identified pole at the Pole Location in the public right of way is included as Attachment B (the "Construction Exhibit"). The Construction Exhibit includes detailed information about the proposed installation, including the dimensions of the antenna and radio and electrical equipment, the general location of the identified pole that will be used, and a diagram of Crown Castle's pole attachment plan (which includes the elevations of the proposed attachments). A recent photograph of the pole and a simulated post-construction photograph of a similar small cell wireless antenna installation is included in Attachment C as a sample. A Map showing the location of the identified pole and the general area around it including your property is enclosed as Attachment D.

If you have any questions or concerns with the location of this equipment, or wish to file an objection, please feel free to contact me as Crown Castle's designated representative for this project:

Amanda Cornwall
Crown Castle
1800 West Park Drive
Second Floor
Westborough, Massachusetts 01581
Telephone: (508) 621-9147
Email: ct.abutters@crowncastle.com

You may also contact the PURA Consumer Affairs Unit directly at:

Public Utilities Regulatory Authority
Attn: Consumer Affairs Unit
Ten Franklin Square
New Britain, CT 06051
1-800-382-4586 (toll free within Connecticut)
1-860-827-2622 (outside Connecticut)

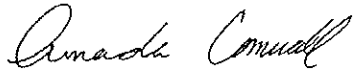
⁵ 47 USC Section 332; Small Cell Processes Decision at 9.

PURA Guide Information:

A copy of the PURA's "Guide to Public Hearings for Antenna Attachments to Utility Poles" ("PURA Guide," 19 Pages) is enclosed as Attachment E. The PURA Guide provides additional information regarding the small cell antenna notice and application procedures and your opportunities to participate in the process.

Thank you for your consideration of this matter.

Very truly yours,

A handwritten signature in cursive script that reads "Amanda Cornwall".

Amanda Cornwall
Government Relations Specialist

Enclosures: Attachments A, B, C, D and E

Attachment A

Excerpt of Connecticut General Statutes Section 16-234

Connecticut General Statutes Section 16-234 provides, in relevant part:

No utility shall exercise any powers which may have been conferred upon it to change the location of, or to erect or place, wires, conductors, fixtures, structures or apparatus of any kind over, on or under any public road, public highway or public ground, without the consent of the adjoining proprietors or, if such company is unable to obtain such consent, without the approval of the Public Utilities Regulatory Authority, which shall be given only after a hearing upon notice to such proprietors. (emphasis added).

Attachment B

Construction Drawings



PROJECT:

ODAS NODE INSTALLATION

SITE CASCADE:

CT90XS425 - CNH079

SITE TYPE:

40'-3 WOOD UTILITY POLE

DRAWING DESCRIPTION:

PRELIMINARY CD'S

SITE INFORMATION

LATITUDE (NAD83):
41° 15' 56.72"

LONGITUDE (NAD83):
-72° 25' 48.6882"

COUNTY:
NEW HAVEN

ZONING JURISDICTION:
FURIA

ZONING DISTRICT:
RESIDENTIAL (R-2)

POWER COMPANY:
CONNECTICUT LIGHT & POWER CO.

PROJECT TEAM

BACKSHELL PROVIDER:

CROWN CASTLE FIBER

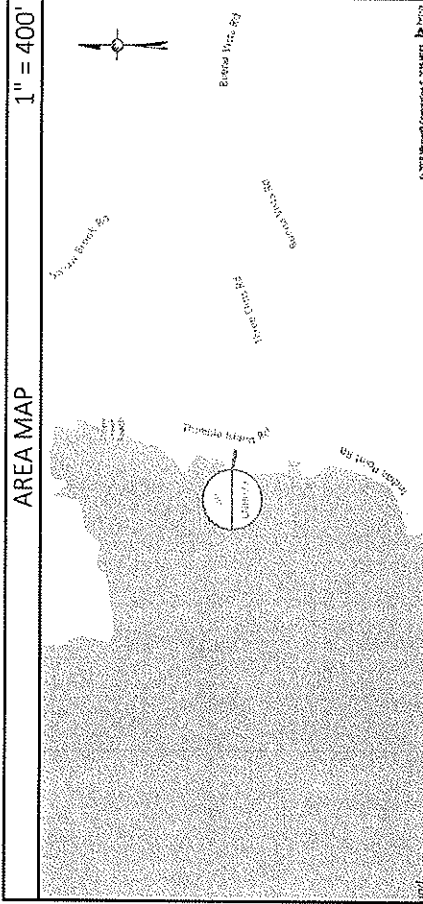
CROWN CASTLE PROJECT MANAGER:

NAME: MICHAEL B. MACCANNELL

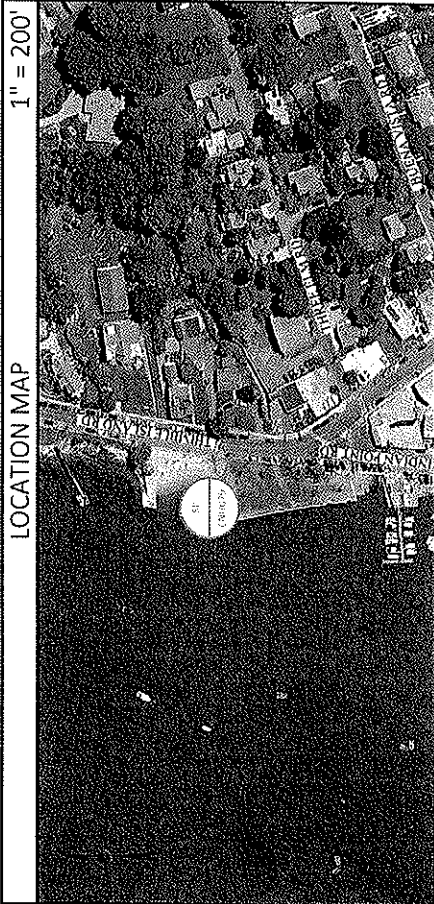
DO NOT SCALE DRAWINGS

SUBCONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

AREA MAP



LOCATION MAP



DRAWING INDEX

SH #	SHEET DESCRIPTION
T-1	TITLE SHEET
GN-1	GENERAL NOTES
GN-2	GENERAL NOTES
A-1	GENERAL SITE PLAN
A-2	PROFILE
A-3	PHOTOGRAPHIC SIMULATION
A-4	CABLE ROUTING
A-5	EQUIPMENT DETAILS
A-6	EQUIPMENT DETAILS
E-1	ELECTRICAL WIRING DIAGRAM

PROJECT EQUIPMENT

NEW CROWN CASTLE INSTALLED EQUIPMENT

- INSTALL (1) AMPHENOL 4UMT360X06F20SD ANTENNA
- INSTALL (1) CHARLES COLO-703322 ENCLOSURE
- INSTALL (1) NOKIA TD-LTE BAND 41
- INSTALL (1) NOKIA GPS ANTENNA
- INSTALL (1) 300A METER/DISCONNECT COMBINATION

APPLICABLE CODE

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES. AS ADOPTED BY LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. INTERNATIONAL BUILDING CODE
2. INTERNATIONAL MECHANICAL CODE
3. ANSI / TIA-222 STRUCTURAL STANDARD
4. NFPA 780 - LIGHTNING PROTECTION CODE
5. UNIFORM PLUMBING CODE
6. NATIONAL ELECTRICAL CODE
7. 2017 NATIONAL ELECTRICAL SAFETY CODE

THE UTILITIES AS SHOWN ON THIS SET OF DRAWINGS WERE DEVELOPED FROM THE INFORMATION AVAILABLE. THE INFORMATION PROVIDED IS NOT INTENDED TO BE THE COMPLETE INVENTORY OF UTILITIES IN THIS AREA. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES (WHETHER SHOWN OR NOT) AND PROTECT SAID UTILITIES FROM ANY DAMAGE CAUSED BY CONTRACTORS ACTIVITIES.



PLANS PREPARED FOR:



PLANS PREPARED BY:
UC SYNERGETIC
71 DORCHESTER RD
WATERBURY, MA 01567
WWW.UCSYNERGETIC.COM
1.800.333.7020

FOR PERMITTING PURPOSES ONLY

ENGINEERING SEAL

THESE DOCUMENTS ARE CONFIDENTIAL AND THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF CROWN CASTLE. IT IS NOT TO BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF CROWN CASTLE

REV	DESCRIPTION	BY	DATE
0	ORIGINAL	AKC/DJW/1/19	
1	UPDATE EQUIPMENT	KLMBZ/1/19	

SITE CASCADE:

CT90XS425
CNH079

SITE ADDRESS:

THURBLE ISLAND RD
BRANFORD, CT 06405
POLE# 37976

SHEET DESCRIPTION:

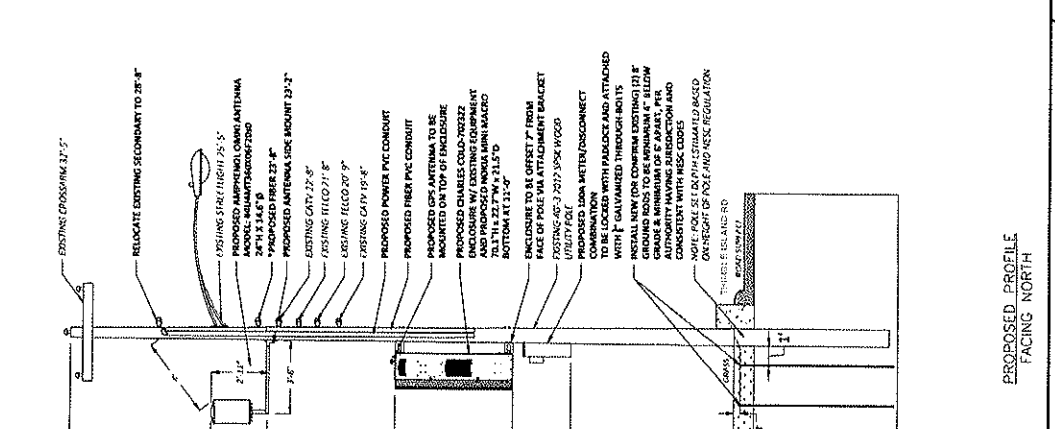
TITLE SHEET

SHEET NUMBER:

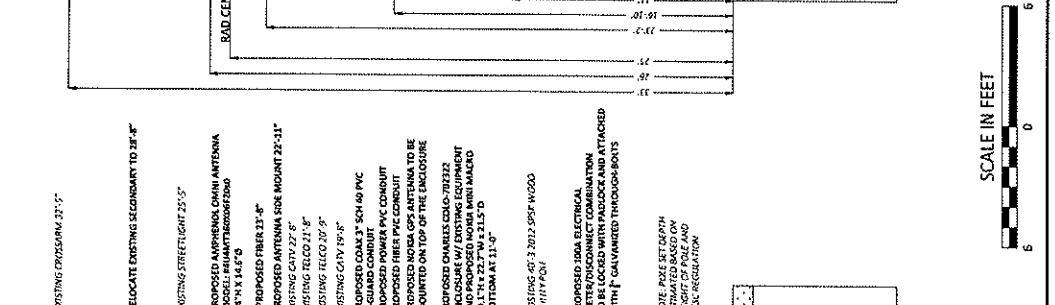
T-1

REV	DESCRIPTION	BY	DATE
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1	UPDATE EQUIPMENT	CTM/02/1/17	

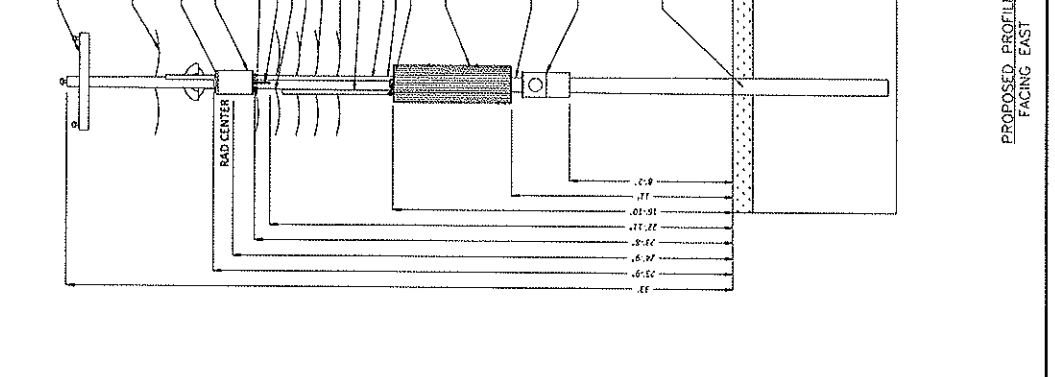
NOTES:
 FROM TIME TO TIME IT MAY BE NECESSARY TO MAKE MINOR ADJUSTMENTS TO ACCOMMODATE, RELOCATE OR REMOVE EXISTING EQUIPMENT. EXAMPLE: ADDING A WASHER OR SPRING LEVEL OR A BRACKET OR MOUNT TO A MOUNTING BRACKET. SUCH ADJUSTMENTS TO EXISTING EQUIPMENT SHALL BE MADE TO MATCH EXISTING LUMINAIRE, POLE OR ARM TO CONFORM WITH THE CURRENT SURROUNDINGS AS PER THE ISSUED REQUIREMENTS.
 * PROPOSED FIBER TO BE RUN SLACK WITHIN MISC CLEARANCE GUIDELINES SPAN = 106"



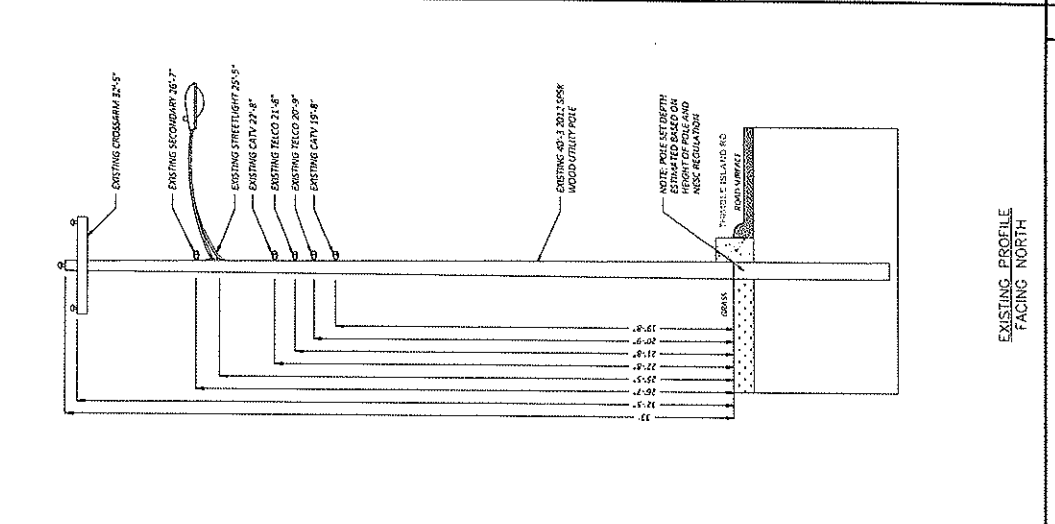
NOTE:
 EXISTING 40-3 2012 SPSK CONNECTICUT LIGHT & POWER CO. WOOD UTILITY POLE #37976
 * PROPOSED FIBER TO BE RUN SLACK WITHIN MISC CLEARANCE GUIDELINES SPAN = 106"

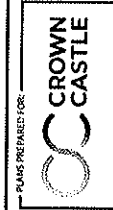


ENGINEERING NOTE: REGARDING EXISTING POLES:
 EXISTING POLES MUST BE INSPECTED BY A LICENSED PROFESSIONAL ENGINEER TO DETERMINE THAT THEY ARE NOT DAMAGED OR DECAYED, AND THAT THEY ARE NOT LEANING OR MOVING EXCESSIVELY BEFORE ANY WORK IS STARTED.
 NOTE: NO NEW HOLES DRILLED INTO WOODEN POLES FOR MOUNTING BRACKETS OR RELOCATING EXISTING EQUIPMENT SHALL BE WITHIN 3" OF AN EXISTING DRILL HOLE.



NOTE:
 1. ALL ATTACHMENTS INSTALLED SHALL MEET ALL CLEARANCE REQUIREMENTS FROM OVERHEAD POWER LINES AS SPECIFIED IN THE LATEST EDITION OF THE MISC AND BY LOCAL REGULATIONS.
 2. ALL NEW EQUIPMENT UNITS SHALL BE PAINTED TO MATCH EXISTING LUMINAIRE, POLE OR ARM TO CONFORM WITH THE CURRENT SURROUNDINGS AS PER THE ISSUED REQUIREMENTS.
 3. THE COMMUNICATION UNITS SHALL BE A COLOR MATCHING THE EXISTING LUMINAIRE, POLE OR ARM OR BE WHITE, BROWN, OR BEIGE.





PLANS PREPARED BY:
US/SYNERGETIC
 21 LOWELL ST.
 MANSFIELD, MA 01948
 www.usccorp.com 1-800-333-1500

FOR PERMITTING PURPOSES ONLY

ENGINEERING SEAL

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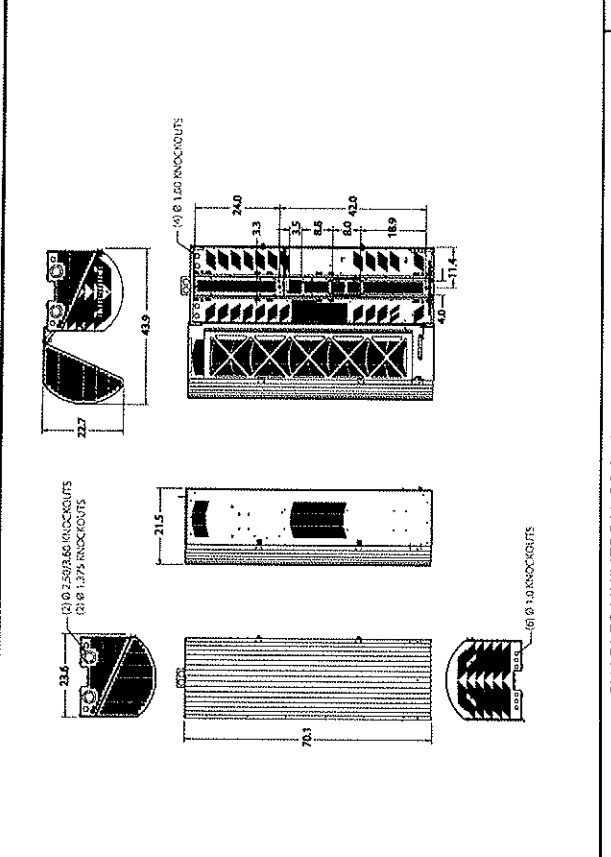
REV	DESCRIPTION	BY	DATE
0	ORIGINAL	JAC/03/17/16	
1	UPDATE EQUIPMENT	CTM/02/17/16	

SITE DESIGNATION:
**CT90X5425
 CNH079**

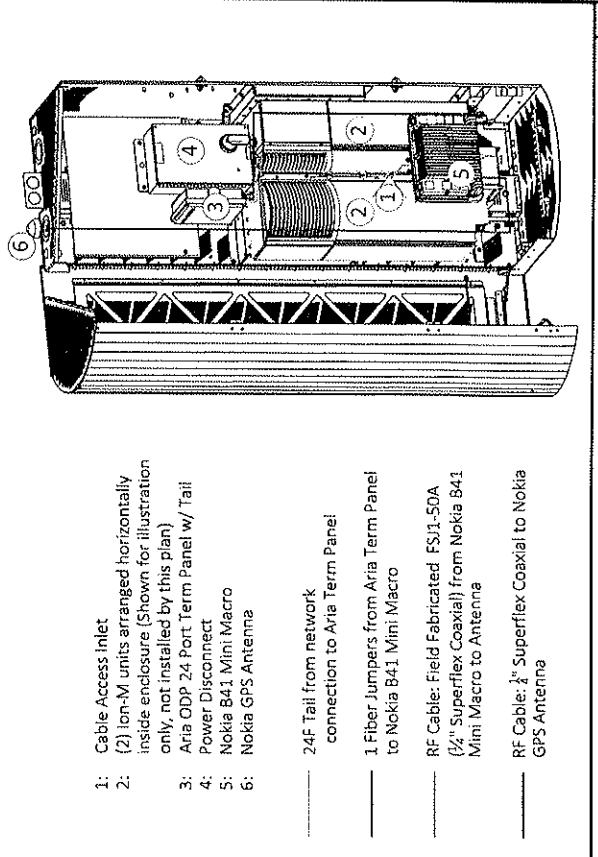
SITE ADDRESS:
 THIMBLE ISLAND RD
 BRANFORD, CT 06405
 POLE# 37976

SHEET DESCRIPTION:
EQUIPMENT DETAILS

SHEET NUMBER:
A-5



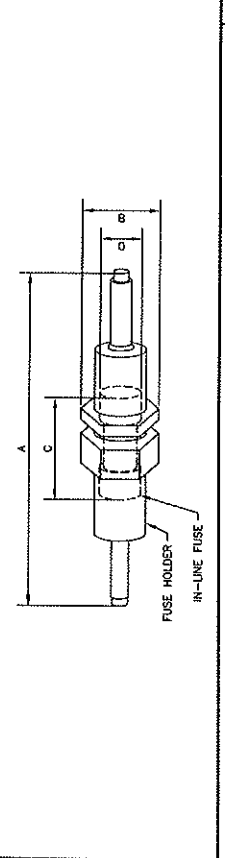
CHARLES UNIVERSAL BROADBAND ENCLOSURE (CLOSED)



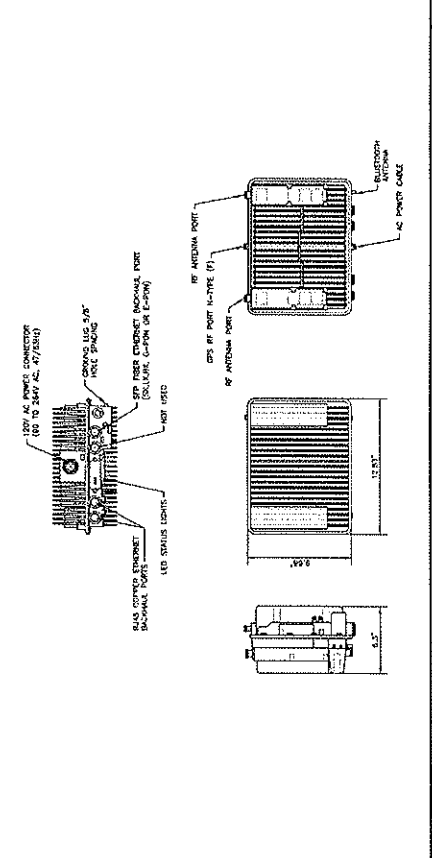
CHARLES UNIVERSAL BROADBAND ENCLOSURE (OPEN)

- 1: Cable Access inlet
 - 2: (2) Ion-M units arranged horizontally inside enclosure (Shown for illustration only, not installed by this plan)
 - 3: Aria ODP 24 Port Term Panel w/ Tail
 - 4: Power Disconnect
 - 5: Nokia B41 Mini Macro
 - 6: Nokia GPS Antenna
- 24F Tail from network connection to Aria Term Panel
 - 1 Fiber Jumpers from Aria Term Panel to Nokia B41 Mini Macro
 - RF Cable: Field Fabricated FSJ1-50A (3/4" Superflex Coaxial) from Nokia B41 Mini Macro to Antenna
 - RF Cable: 3/4" Superflex Coaxial to Nokia GPS Antenna

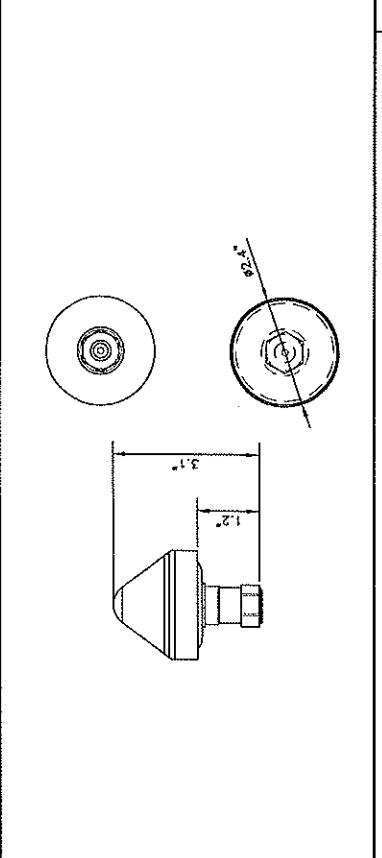
MANUFACTURER:	EATON (FUSE HOLDERS)	
MODEL NO.:	STYLE HER - 244660	
FUSE MFG P/N:	FHM-5	
AMP:	5	
DIMENSIONS:	TOTAL WEIGHT:	
A	1.5"	
B	1.5"	
C	1.5"	
D	1.5"	
TOTAL WEIGHT:		16 OZ



IN-LINE FUSE



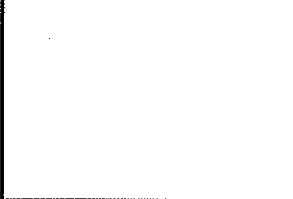
NOKIA TD-LTE BAND 41 (FWHR)



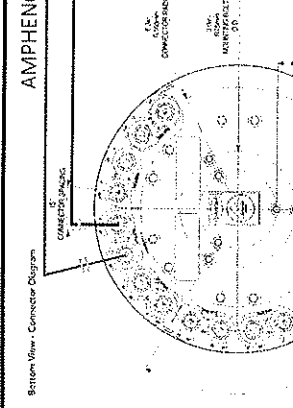
(FAWD 472932A) NOKIA GPS

Electrical		Amphenol -4U4MT360X06F2050			
Frequency (MHz)	1695-1880	1850-1990	1920-2100	2300-2700	3150-5925
Gain (dBi)	9.3	9.8	9.6	9.8	6-7
Horizontal BW (°)	360°				
Vertical BW (°)	18.6°	17.5°	17.5°	14.0°	28.0°
PIM rating (dBc)	-1.53 (3rd Order, 2 x 20 W, dBr)				
VSWR	51.3:1				
Polarization	4X (±45)				

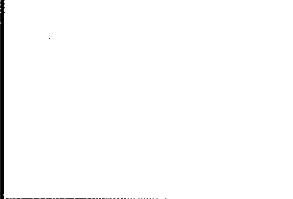
Mechanical		700 MHz		850 MHz	
Antenna type	Pseudo Omni	N/A	N/A	N/A	N/A
Dimensions	24" (height) x 14.6" (diameter)	N/A	N/A	N/A	N/A
Weight (lbs)	TBD	FCS 1900 MHz			
Survival wind speed	150 mph	N/A			
Connectors	(2x) 4-3/10 Female	N/A			
Patterns with or without	HBW	VBW	HBW	VBW	1



Antenna Port Assignment	
Mid-Band 1850-2700 MHz (E-Band)	Y1 Y2 Y3 Y4
High-Band 5150-5925 MHz	V1 V2
3900/2100 MHz	4,3-10 Female



ANTENNA SPECIFICATIONS					
Pattern with or without	HBW	VBW	HBW	VBW	1



FIBER INSTALLATION GUIDE FOR SPRINT SMALL CELL	
Port 1	Sprint cascade id_fiber 1
Port 2	Sprint cascade id_fiber 2

Attachment C

Existing View of Pole and Simulated Photograph after Small Cell Installation

PLANS PREPARED FOR:



PLANS PREPARED BY:

UIC SYNERGETIC
21 BRIFORD RD
MILFORD, MA 01904
www.uicmg.com 1-866-333-7650

FOR PERMITTING
PURPOSES ONLY

ENGINEERING SEAL

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WRITTEN CONSENT OF CROWN CASTLE

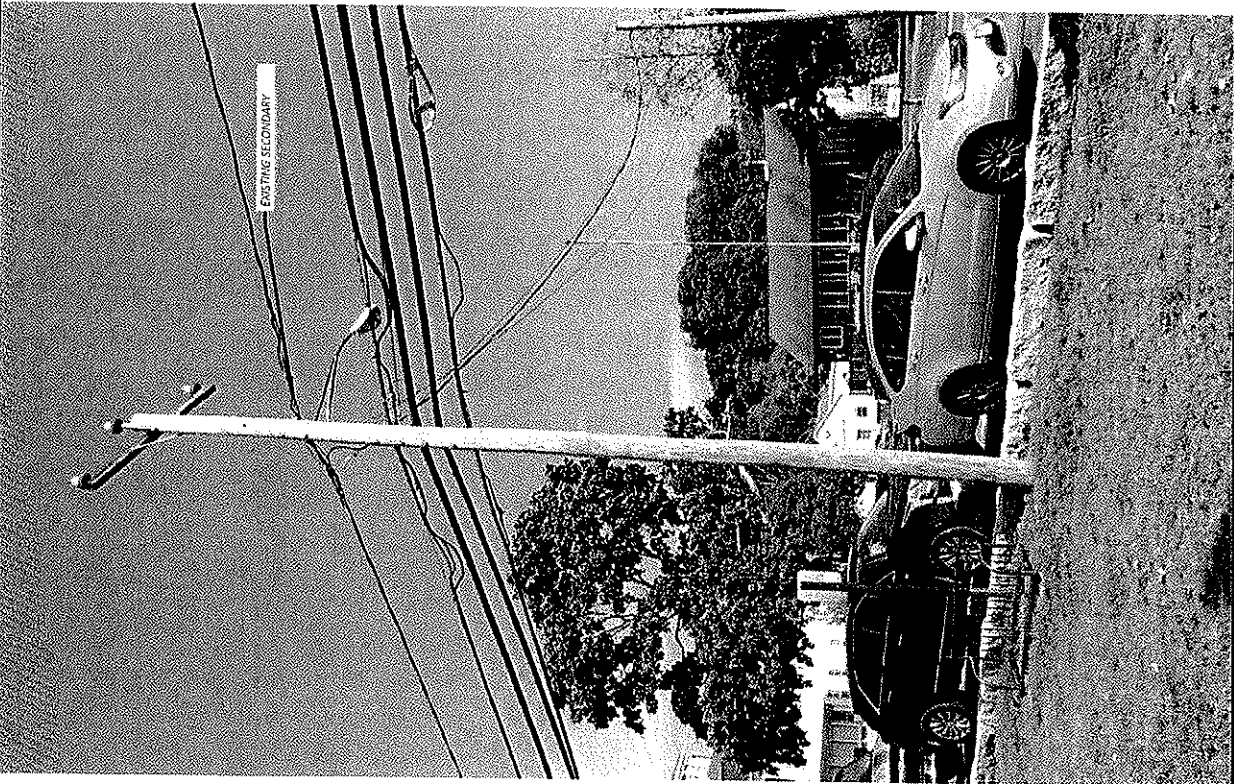
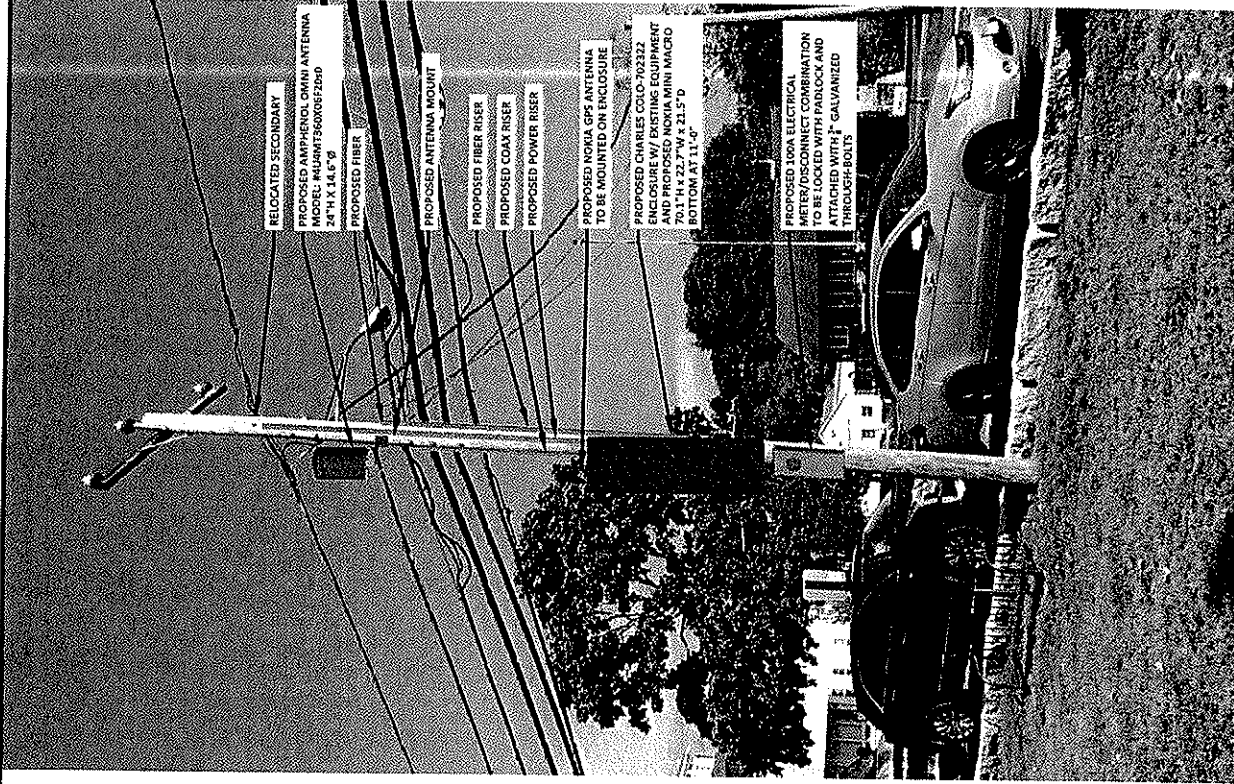
REV	DESCRIPTION	BY	DATE
0	ORIGINAL		08/27/19
1	UPDATE EQUIPMENT		08/27/19

SITE CASCARE
CT90X5425
CNH079

SITE ADDRESS:
THIMBLE ISLAND RD
BRANFORD, CT 06405
POLE# 37976

SHEET DESCRIPTION:
PHOTOGRAPHIC
SIMULATION

SHEET NUMBER:
A-3



PROPOSED PHOTOGRAPHIC SIMULATION

1

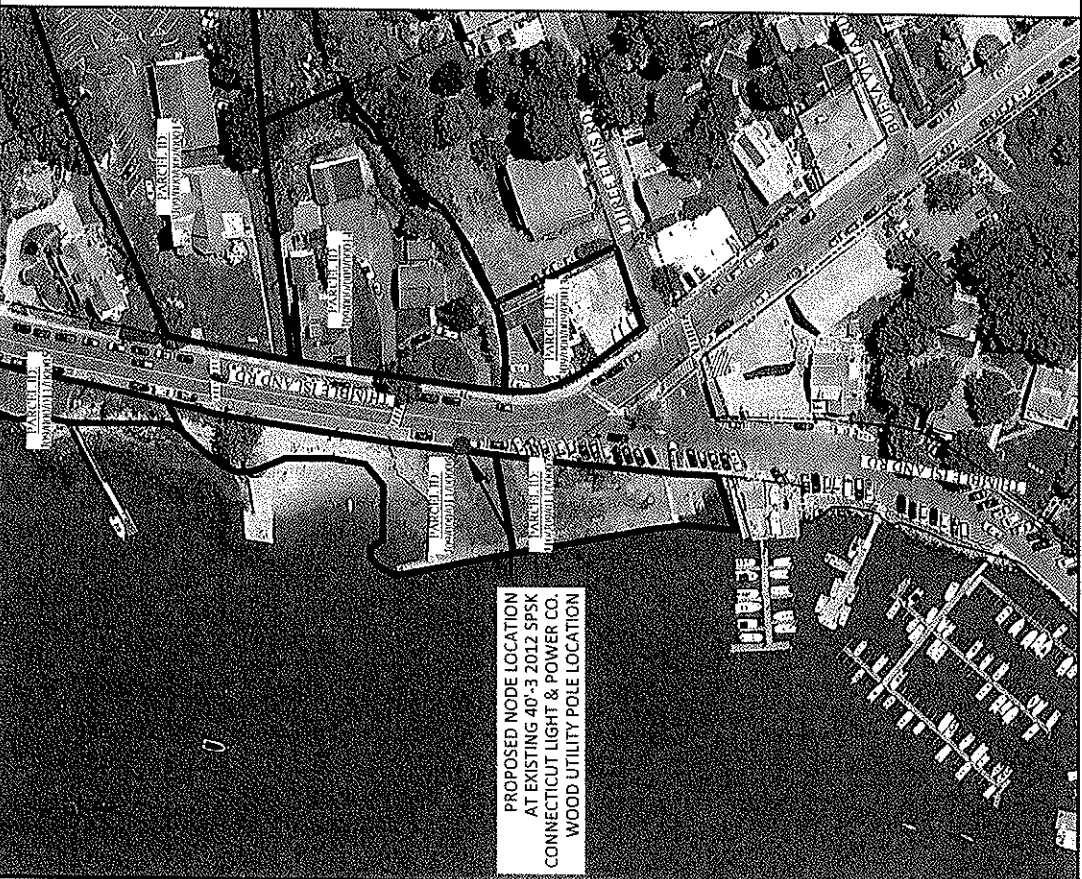
EXISTING PHOTOGRAPHIC VIEW

2

Attachment D

Aerial Map of Pole Location and General Area

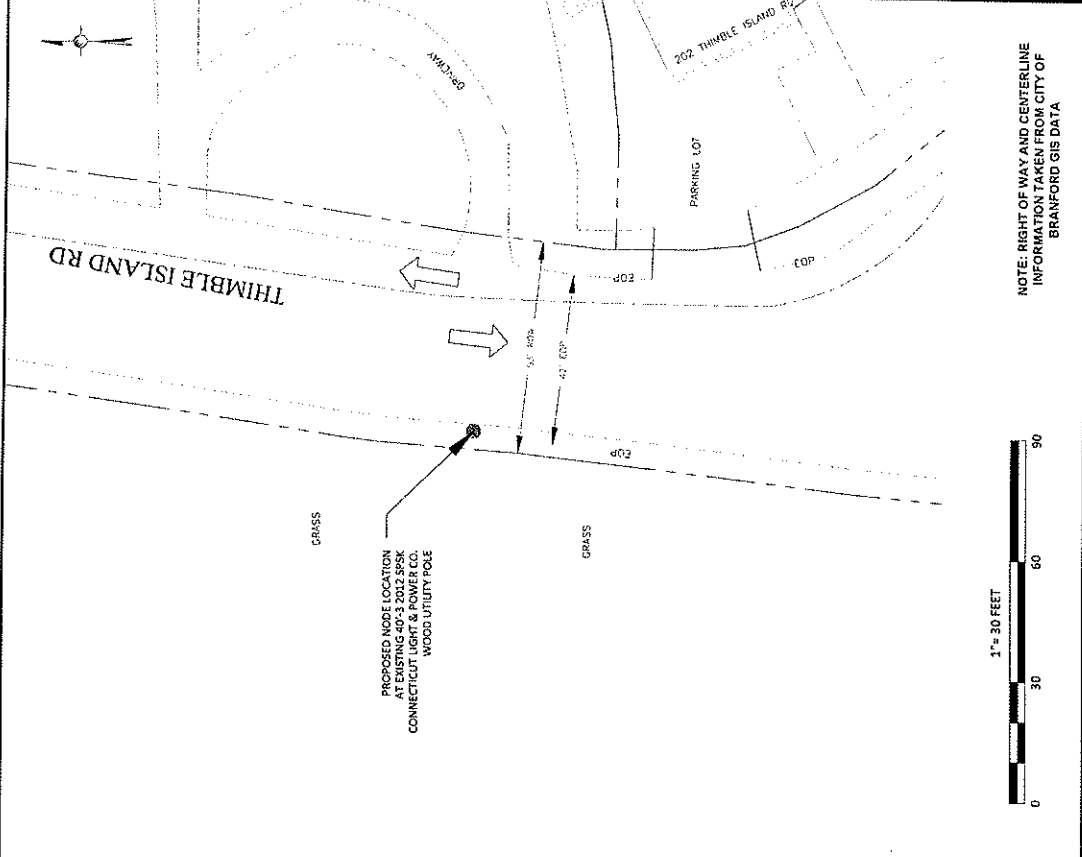
PARCEL	OWNER / CO	MAILING ADDRESS	CITY	STATE	ZIP
109/000/009/00014	COLLOPY, JAMES E EST +	196-200 THIMBLE ISLANDS RD	BRANFORD	CT	06405
109/000/011/00006	TOWN OF BRANFORD	1019 MAIN ST	BRANFORD	CT	06405
110/029/011/00007	TOWN OF BRANFORD	1019 MAIN ST	BRANFORD	CT	06405
109/000/011/00005	SHAW, JERRY C + JANE M (TIC)	1188A THIMBLE ISLANDS RD	BRANFORD	CT	06405
109/000/009/00015	CHURCH OF CHRIST	152 THIMBLE ISLANDS RD	BRANFORD	CT	06405
109/000/009/00013	COVILLE THOMAS	111 OLD QUARRY RD	GUILFORD	CT	06437



**PROPOSED NODE LOCATION
AT EXISTING 40'-3 2012 SPK
CONNECTICUT LIGHT & POWER CO.
WOOD UTILITY POLE LOCATION**

AERIAL SITE LOCATION 1"=100' 1

STREET LIGHTING NOTES TO THE CONTRACTOR THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL STREET LIGHTING FACILITIES EXISTING IN THE WORK AREA. SHOULD ANY DAMAGE TO THE STREET LIGHTING SYSTEM OCCUR, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE RELEVANT CITY STREET LIGHT AUTHORITY. THE CONTRACTOR SHALL ARRANGE FOR THE IMMEDIATE REPAIR AND RESTORATION OF THE DAMAGED STREET LIGHTING SYSTEM AT NO COST TO THE CITY. A LICENSED ELECTRICAL CONTRACTOR IS REQUIRED TO MAKE ALL REPAIRS NECESSARY TO THE STREET LIGHTING FACILITIES. THE CONTRACTOR SHALL EXERCISE PROPER CAUTION WHEN WORKING NEAR ELECTRICAL FACILITIES. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS AND MAKE ALL NECESSARY NOTIFICATIONS TO LOCAL PERMITTING AUTHORITIES AND UTILITIES PRIOR TO COMMENCING WORK.



NOTE: RIGHT OF WAY AND CENTERLINE INFORMATION TAKEN FROM CITY OF BRANFORD GIS DATA



OVERALL SITE PLAN 2

PLANS PREPARED FOR:
CROWN CASTLE

PLANS PREPARED BY:
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31 OXFORD RD
MIDDLETOWN, MA 01861
www.ucsynergetic.com 508.374.7600

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REV	DESCRIPTION	BY	DATE
0	ORIGINAL	JAC/BJL/TJR	
1	UPDATE EQUIPMENT	KEM/BJL/TJR	

SHEET NUMBER:
**CT90XS425
CNH079**

SITE ADDRESS:
**THIMBLE ISLAND RD
BRANFORD, CT 06405
POLE# 37976**

SHEET DESCRIPTION:
OVERALL SITE PLAN

SHEET NUMBER:
A-1

Attachment E

PURA's "Guide to Public Hearings for Antenna Attachments to Utility Poles"

Guide to Public Hearings for Antenna Attachments to Utility Poles

The Public Utilities Regulatory Authority

OVERVIEW

Background

Certain types of telecommunications companies, such as commercial mobile radio service (CMRS) providers, (described as “Company” in this guide) are installing small cell wireless facilities designed to increase their ability to handle cellular voice and data traffic in specified project areas. CMRS provider is a term described in 47 C.F.R. Part 20, et. seq.

In the case of a proposal to install an antenna on a utility pole in the public right-of-way, the Public Utilities Regulatory Authority (PURA or Authority) determines whether the installation is safe, and, if so, allows the installation.

A Company must apply to the PURA for approval of its construction plan to install a small cell wireless telecommunications facility on a utility pole within the public right-of-way.

You may have received written notification about a specific construction plan or have been made aware of a construction plan. This guide is being provided as an introduction to the PURA docket process.

**How did this location get selected for an antenna?
What does the antenna look like? Is the antenna like a cell tower?**

The Company conducts a survey of a geographic area for small cell installations when its capability to accommodate cellular service traffic is near or at capacity, the point at which it cannot provide reliable service.

The Company then looks for utility pole locations in this case, where it can install an antenna and its associated equipment.

There are pole owner restrictions regarding where an antenna may be located. In some locations, utility pole owners may deny requests for these attachments. For example, some utility poles may already be heavily encumbered by utility equipment and would not accommodate an antenna installation. Pole Owner: Entity having the right to grant licenses for Attachments to its utility poles in its operating territory (e.g., Eversource, Frontier and United Illuminating).

The size and visual impact of the antenna and its related equipment is roughly equivalent to equipment commonly mounted to poles throughout the State, such as electric transformers. The antenna is not a cell tower. The utility pole is the same as other poles commonly used throughout the state.

PURA has attached photos of typical antenna installations to aid you in understanding the size of the equipment involved. In some cases, the antenna is located on a side-mounted bracket on the pole when electric lines are at the top of the pole.

PURA Docket Process

Step 1

Company Notification to Adjoining Property Owner

- The CMRS provider notifies the Adjoining Property Owner¹ (APO) and advises the affected municipality in writing via certified letter of the planned construction and given 30 days to respond with an objection. **There is no PURA docket at this stage.*²
- What types of issues qualify as grounds for an objection? The Authority considers issues related to safety in its consideration of antenna construction. It does not consider issues of Radio Frequency emissions (established by the Federal Communications Commission) or visual impact, aesthetics or property value impact, which are subjective.

Step 2

APO Response to Company Notification

- APOs are allowed 30 days to respond to the Company or PURA to advise as to whether they are opposed or not. **There is no PURA docket at this stage.*

Step 3

Company Application Filed with PURA

- A PURA docket is initiated at the time the Company files its Application to PURA.

- ¹ Who is considered an APO? Any owner of property actually physically contiguous to the affected section of the public right-of-way. People who do not own property actually physically contiguous to the affected section of the public right-of-way may still comment on the installation, but only owners of property actually physically contiguous to the affected section of the public right-of-way are given status by the Authority to object to construction. Tenants are not APO's.
- ² Anyone contacting PURA prior to a docketed proceeding being initiated will receive undocketed correspondence from PURA containing general information about the process and related statutory information.

Step 4

PURA Acknowledgement Letter/Notice of Proceeding Issued

- If there are no APOs opposed to the project, the PURA issues a Notice of Proceeding in the docket and will proceed with review and a decision.
- If there are APOs opposed to the project, PURA issues an Acknowledgement Letter via certified mail to the APOs opposed that are opposed to the construction as noted in the Company application.
- APOs that have not filed an opposition to the Company and Non APOs will not receive PURA communication.

Step 5

Objecting APO Response to PURA

- APOs that filed in opposition to the Company will receive an Acknowledgement Letter from the PURA and are allowed 30 days to respond to the PURA to advise as to whether they continue to oppose the attachment and whether they are requesting a formal hearing.
- Non APOs may file a public comment.

Step 6

Adjoining Property Owner Requests Hearing

- If the APO responds to the PURA within the 30-day time period stating that they continue to oppose the attachment and a detailed explanation for their objection and request for a hearing, PURA will schedule a hearing.
- If the APO does not respond to the PURA within the 30-day time period, the PURA will proceed with review and decision.

Step 7

Hearing Held, if scheduled

- A hearing will be scheduled based on PURA, Company, and Party availability.³

Step 8

Late Filed Exhibits

- If late filed exhibits (LFEs) are requested during the hearing, they must be filed with the PURA (typically within 10 days.) The LFE due date and time schedule will be discussed at the conclusion of the hearing.

Step 9

Late Filed Exhibits Hearing, if needed

- After all parties have reviewed the LFEs, it will be determined whether a late filed exhibit hearing is required. If it is required, a date will be determined based on PURA, Company, and Party availability.³

³ Hearings are held at PURA offices, Ten Franklin Square, New Britain, Connecticut.

Step 10

Briefing Period, if applicable

- A briefing period may follow the hearing. Briefs are written arguments about issues the Commissioners must decide. They are usually written by attorneys for the Company, PURA, and others. Participating APOs may also file a brief.

Step 11

PURA Proposed Final Decision

- The PURA decides a case based on the information contained in the record made over the course of the proceeding. When the hearings are finished and the evidentiary record is closed, information cannot be added to the record unless the proceeding is formally reopened.
- The PURA can use only the proceeding record as the basis for its decision. The PURA Commissioners read the record and proceeding transcripts⁴ when formulating their decision.

Step 12

Written Exceptions / Oral Argument

- If a hearing was held, parties will have an opportunity to file written exceptions to the PURA Proposed Final Decision and also can request Oral Argument.

⁴ Transcripts can be purchased through the Court Reporting Agency. Transcripts are not available on the PURA website until after the Final Decision is issued and the appeal period has expired.

PURA Final Decision

Step 12

- After the Commissioners reach a decision, an order is issued during a Regular or Special Meeting.
- Copies of the decision are available on the PURA's website in its Final Decision Database or can be obtained by calling the Consumer Affairs Unit at 1-800-382-4586.

FAQ/General Information

What is a public hearing all about?

A public hearing is one step in determining whether the Authority will allow construction of the antenna.

Unless otherwise noted in a Notice of Hearing, the Authority holds all hearings at its offices at 10 Franklin Square, New Britain.

The Authority has a long tradition of encouraging public participation in the regulation of the state's utilities.

The PURA public hearing process offers the opportunity for consumers, local government officials, industry representatives, and others to bring their thoughts and concerns to the attention of the Authority's Commissioners in a timely manner. Bringing these concerns and views to a public hearing is essential if the Commissioners are to reach the most fair and reasonable decision possible.

Any person or entity given status (refer to Footnote 1) during the proceeding may ask the Company questions regarding the proposed installation after the company has adopted its testimony and is ready for cross examination.

Please keep in mind that both the Company and the Objectors have the same due process rights to participate in the hearing process, as well as to receive a timely decision based on the relevant facts and applicable law.

I've never testified before The PURA. Is it difficult?

No, it is easy to testify. You do not need a lawyer.

At the beginning of the hearing, the Commissioner / Hearing Officer will ask if there are any members of the public who wish to speak for the record. At that time, simply stand up or raise your hand. You will be sworn in and invited to tell your story in your own words. You may also submit documents or photos relating to your testimony.

After you present your testimony the Authority staff and other parties may cross examine you (ask you questions).

Once that is completed, Commissioners, Hearing Officers and any of the parties to the case who may be in attendance cannot answer questions during this portion of the hearing process; this is their opportunity to hear your testimony.

How do I conduct cross examination of the witnesses?

Cross examination is asking questions of the sworn witnesses regarding the application, documents filed and any oral testimony given at the hearing. Keep in mind that the Commissioners, Hearing Officers, Company attorneys and Authority staff are not subject to cross examination.

What if I cannot attend the public hearing; if a hearing is scheduled?

If you are an adjoining property owner and are unable to attend a public hearing, if one is scheduled, but wish to make their position known to the Authority, you may mail your comments to:

Public Utilities Regulatory Authority Attn:

Executive Secretary

10 Franklin Square New
Britain, CT 06051

Comment may also be provided via email addressed to: PURA.executivesecretary@ct.gov

Non APOs may file a public comment.

Please include the docket number of the proceeding in all correspondence to the PURA.

PURA does not accept comments about cases over the phone. Your comments must be in writing to be included as part of the record in the case. With a public hearing, the proceeding becomes a contested case. You may not have ex parte communications regarding facts or legal issues relevant to your case with the PURA Commissioners or staff outside of the hearings or noticed meetings. However, you may contact the case coordinator for assistance regarding how the process (dates and times of hearings, how to file etc.) works.

The Public Utilities Regulatory Authority (PURA)

PURA is statutorily charged with regulating the rates and services of Connecticut's investor owned electricity, natural gas, water and telecommunication companies and is the franchising authority for the state's cable television companies.

PURA employs a staff of subject matter experts in Accounting, Finance, Engineering, Law and Customer Service. On occasion, the Authority will hire experts if needed to supplement available staff in complex proceedings. All decisions issued by PURA have the force of Law.

<http://www.ct.gov/pura/site/default.asp>

The Office of Consumer Counsel (OCC)

The OCC is the designated and official advocate of the ratepayer.

For contested PURA proceedings, the OCC is an automatic Party/Participant and has the ability to appeal decisions to the Connecticut Superior Court.

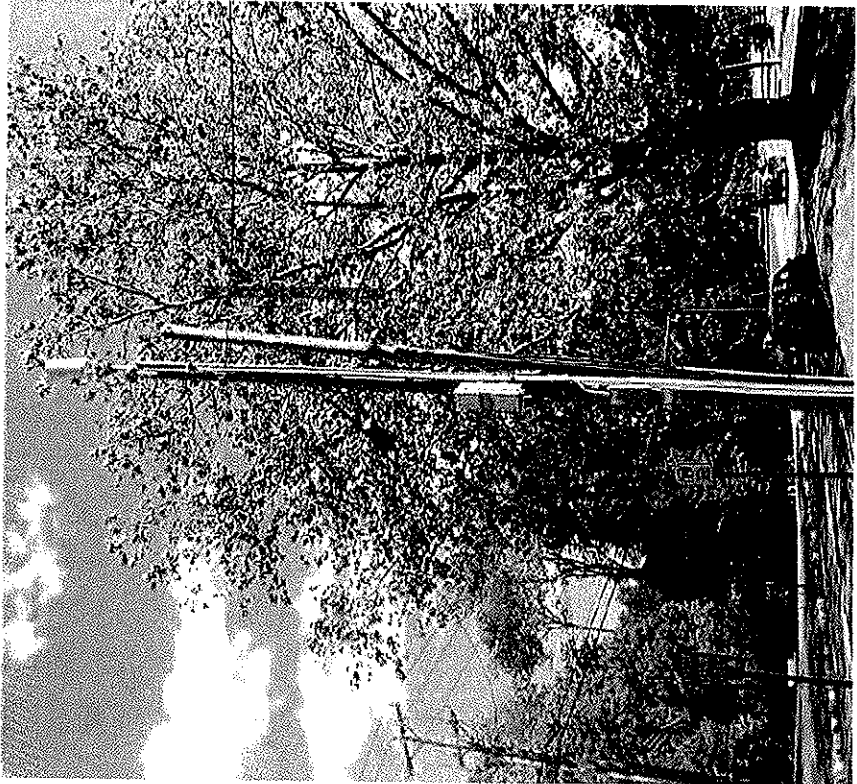
<http://www.ct.gov/occ/site/default.asp>

Other useful information regarding the docket process:

Filings and Evidence

All filings of evidence, exhibits and testimony are Public Information, except for material submitted under a Protective Order. The Authority may subpoena witnesses and all testimony is provided under Oath and is transcribed into a Public Record.

Example of a Utility Pole Top-Mounted Antenna and Related Facilities



Celco Partnership d/b/a Verizon Wireless
Connecticut Small Cell Wireless Installation
Attachment C
Top Mount Antenna



Note: The Antenna is located at the very top of the pole in this example. The wireless system connection for the antenna system is the lowest utility box attached to the pole in this example.

Example of a Utility Pole Side-Mounted Antenna and Related Facilities

Cellco Partnership d/b/a Verizon Wireless
Connecticut Small Cell Wireless Installation

Attachment C
Side Mount Antenna

