STATE OF CONNECTICUT CONNECTICUT SITING COUNCIL

IN RE:	
IN KE.	*

A PETITION OF CELLCO PARTNERSHIP : PETITION NO. ____

D/B/A VERIZON WIRELESS FOR A

DECLARATORY RULING ON THE NEED TO

OBTAIN A SITING COUNCIL CERTIFICATE

FOR THE INSTALLATION OF A SMALL CELL TELECOMMUNICATIONS FACILITY

AT OCEAN BEACH PARK, 98 NEPTUNE

AVENUE, NEW LONDON, CONNECTICUT : JUNE 7, 2017

PETITION FOR A DECLARATORY RULING: INSTALLATION HAVING NO SUBSTANTIAL ADVERSE ENVIRONMENTAL EFFECT

I. Introduction

Pursuant to Sections 16-50j-38 and 16-50j-39 of the Regulations of Connecticut State Agencies ("R.C.S.A."), Cellco Partnership d/b/a Verizon Wireless ("Cellco") hereby petitions the Connecticut Siting Council (the "Council") for a declaratory ruling ("Petition") that no Certificate of Environmental Compatibility and Public Need ("Certificate") is required under Section 16-50k(a) of the Connecticut General Statutes ("C.G.S.") to install a "small cell" telecommunications facility at Ocean Beach Park, 98 Neptune Avenue in New London, Connecticut (the "Property"). The Property is owned by the City of New London and is used for recreational and commercial purposes. Cellco refers to the proposed facility as its "Ocean Beach SC Facility".

II. Factual Background

Ocean Beach Park is an approximately 50-acre parcel in New London's OS (Open Space)
zone district. See Attachment 1 – Site Vicinity and Site Schematic Maps (Aerial Photograph).

Ocean Beach Park, New London's premier recreational facility offers public access to the

(7.18% of the standard) the RF emission standards established by the FCC.

4. FAA Summary Report

Included in <u>Attachment 6</u> of this Petition is a Federal Airways & Airspace Summary

Report verifying that the new replacement pole described above would constitute an obstruction or hazard to air navigation and that notification to the FAA is not required.

B. Notice to the City, Property Owner and Abutting Landowners

On June 7, 2017, a copy of this Petition was sent to New London's Mayor Michael Passero. Notice of Cellco's intent to file the Petition was also sent to the owners of land that abuts the Property. Included in <u>Attachment 7</u> is a copy of the letter sent to Mayor Passero. Included in <u>Attachment 8</u> is a sample abutter's letter and the list of those abutting landowners who were sent notice of the filing of the Petition.

IV. Conclusion

Based on the information provided above, Cellco respectfully requests that the Council issue a determination in the form of a declaratory ruling that the installation of a small tower/mast used to support wireless antennas, CMROs and related radio equipment will not have a substantial adverse environmental effect and does not require the issuance of a Certificate of Environmental Compatibility and Public Need pursuant to § 16-50k of the General Statutes.

-4-

Respectfully submitted,

CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS

By_

Kenneth C. Baldwin, Esq.

Robinson & Cole LLP 280 Trumbull Street

Hartford, CT 06103-3597

(860) 275-8200

Its Attorneys

ATTACHMENT 1



2,000

- Proposed Verizon Wireless Small Cell Facility
- Surrounding Verizon Wireless Facilities

Municipal Boundary

Watercourse (CTDEEP)

Waterbody (CTDEEP)

Base Map Source: CT 2016 Aerial Imagery (CTECO) Map Scale 1 inch = 4,000 feet Map Dale: April 2017

Site Vicinity Map

4,000

Proposed Wireless Small Cell Facility Ocean Beach SC CT 98 Neptune Avenue New London, Connecticut

verlzon√





Legend

Approximate Subject Property

Approximate Parcel Boundary (CTDEEP GIS)



Site Schematic

Proposed Wireless Small Cell Facility Ocean Beach SC CT 98 Neptune Avenue New London, Connecticut

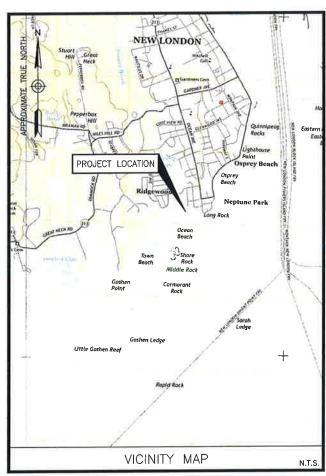
verizon^v



ATTACHMENT 2

CELLCO PARTNERSHIP d/b/a Verizon

PROPOSED WIRELESS FACILITY SITE NAME: OCEAN BEACH CT 98 NEPTUNE AVENUE NEW LONDON, CT 06320



DIRECTIONS FROM 99 EAST RIVER DRIVE, EAST HARTFORD, CT:

DEPART E RIVER DR TOWARD HARTLAND ST. TAKE RAMP RIGHT AND FOLLOW SIGNS FOR CT-2 EAST. AT EXIT 28S, TAKE RAMP RIGHT FOR I-395 SOUTH TOWARD NEW HAVEN. AT EXIT 5, TAKE RAMP LEFT FOR MONTVILLE CONN TOWARD NEW LONDON. KEEP STRAIGHT ONTO CT-32 / MOHEGAN AVE. ROAD NAME CHANGES TO EUGENE ONEILL DR. TURN RIGHT ONTO GOVERNOR WINTHROP BLVD. TURN LEFT ONTO HUNTINGTON ST. TURN RIGHT ONTO JAY ST. ROAD NAME CHANGES TO TRUMAN ST. TURN RIGHT ONTO BANK ST. BEAR LEFT ONTO US-1 N / BANK ST, AND THEN IMMEDIATELY TURN LEFT ONTO CT-213 / OCEAN AVE. KEEP STRAIGHT ONTO OCEAN AVE. TURN RIGHT ONTO NEPTUNE AVE. SITE WILL

SITE COORDINATES: LATITUDE: 41'-18'-33.605" N LONGITUDE: 72'-05'-55.553" W (PER FAA 1-A SURVEY)

ELEVATION DATA

GRADE ELEVATION AT MAIN ENTRANCE = 10.7'± A.M.S.L.

(PER FAA 1-A SURVEY)

ELEVATION (TO C.L. OF ANTENNAS) ELEVATION = 40.0'± A.G.L., 50.7'± A.M.S.L.

SITE INFORMATION

THE SCOPE OF WORK SHALL INCLUDE:

- THE INSTALLATION OF PROPOSED CELLCO PARTNERSHIP OUTDOOR EQUIPMENT MOUNTED TO THE BUILDING EXTERIOR.
- THE PROPOSED WIRELESS FACILITY INSTALLATION WILL BE DESIGNED IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE, AS MODIFIED BY THE 2016 CONNECTICUT STATE BUILDING CODE.

SCOPE OF WORK

SITE NAME: OCEAN BEACH CT

SITE ADDRESS:

98 NEPTUNE AVENUE
NEW LONDON, CT 06320
NEW LONDON COUNTY

PROPERTY OWNER:
CITY OF NEW LONDON
181 CAPTAINS WALK
NEW LONDON, CT 06320

APPLICANT:
CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS
99 EST RIVER DRIVE
EAST HARTFORD, CT 06108

SITE ACQUISITION CONTACT:

JAMES SMITH
STRUCTURE CONSULTING GROUP
(203) 740-7578

LEGAL/REGULATORY CONTACT:

KENNETH C. BALDWIN, ESQ.

ROBINSON & COLE

(860) 275-8345

PROJECT INFORMATION

SHEET NUMBER	DESCRIPTION
T-1	TITLE SHEET
C-1	ABUTTERS MAP
C-2	SITE PLAN
C-3	NORTHWEST ELEVATION
C-4	EQUIPMENT AREA PLAN

CELLCO PARTNERSHIP

d/b/a **verizon**

OCEAN BEACH CT

99 EAST RIVER DRIVE EAST HARTFORD, CT 06108

Γ	CSC	DRAWINGS
1	06/02/17	FOR SUBMITTAL
0	05/18/17	FOR SUBMITTAL
В	04/18/17	FOR COMMENT
Α	03/16/17	FOR COMMENT



Dewberry Engineers Inc.

600 PARSIPPANY ROAD SUITE 301 PARSIPPANY, NJ 07054 PHONE: 973,739,9400 FAX: 973,739,9710

DRAWN BY:	BJR
REVIEWED BY:	BSH
CHECKED BY:	GHN

PROJECT NUMBER: 50067815

50089826

JOB NUMBER:

SITE ADDRESS:

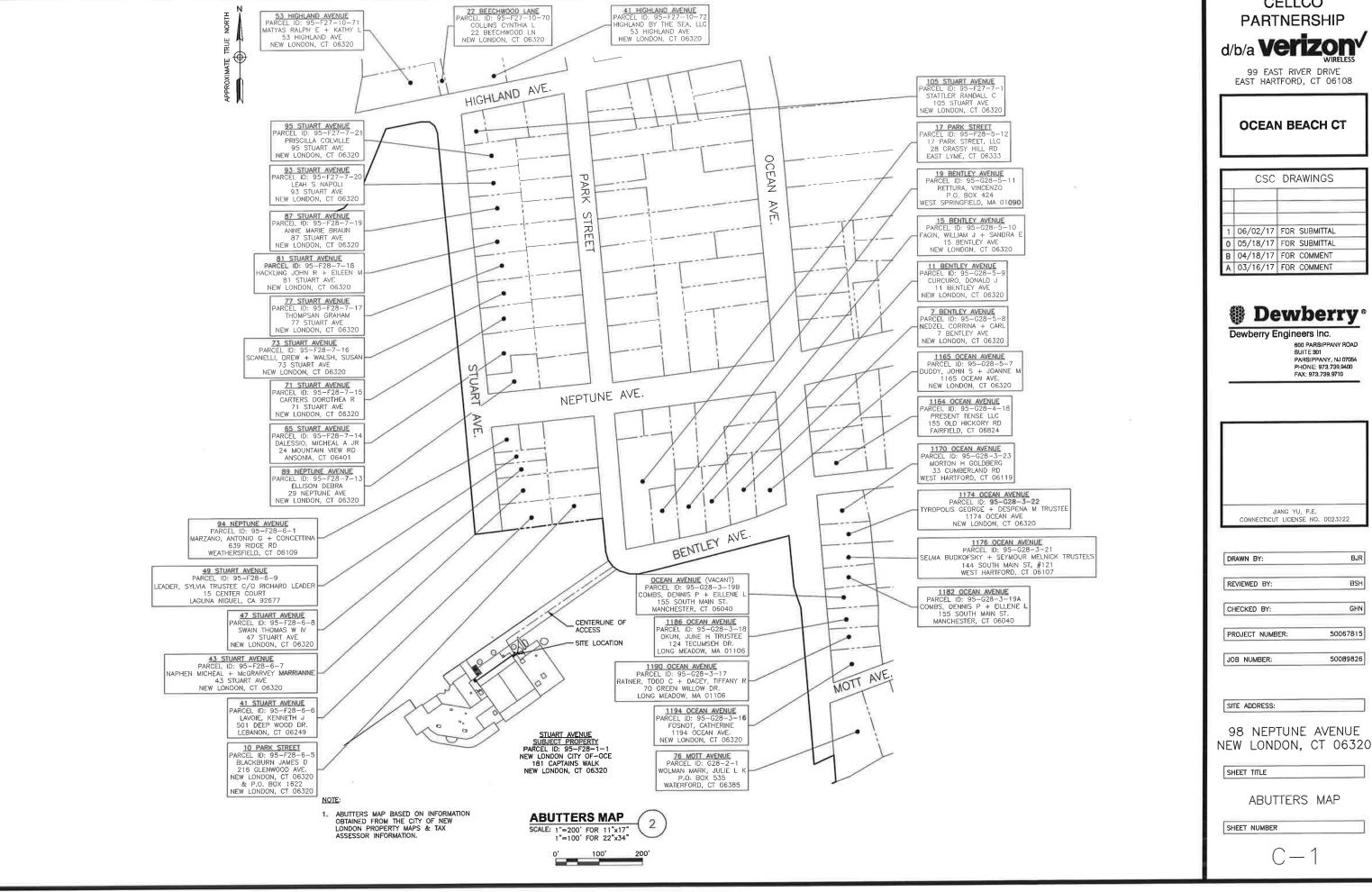
98 NEPTUNE AVENUE NEW LONDON, CT 06320

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T---1



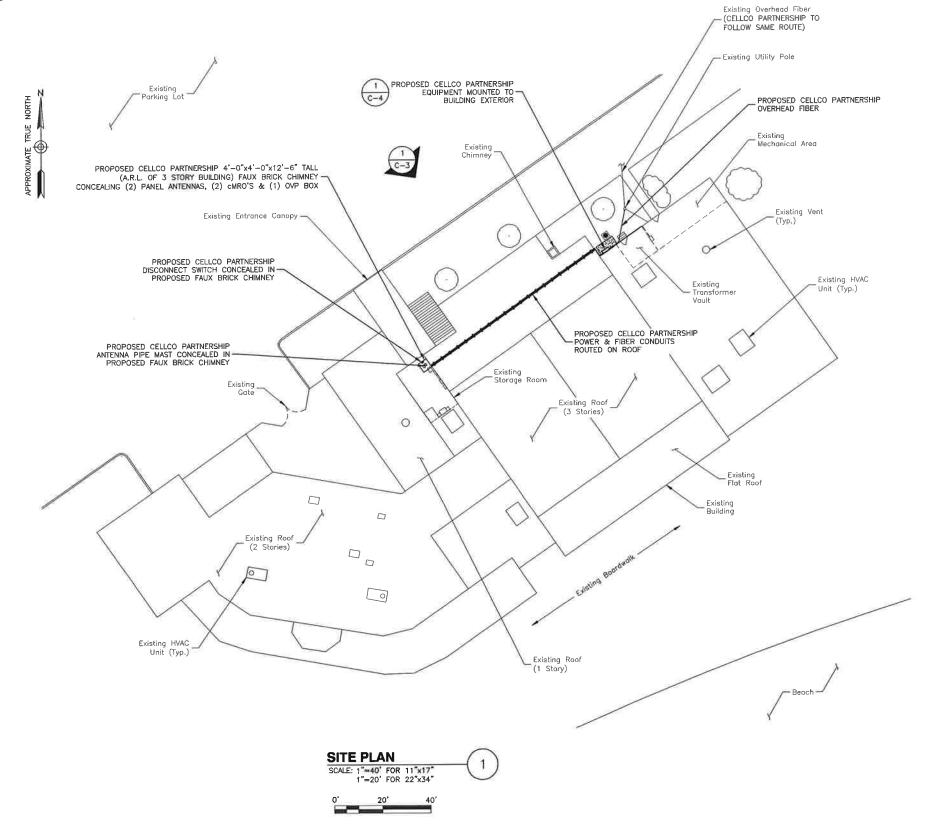
CELLCO

	CSC	DRAWINGS
1	06/02/17	FOR SUBMITTAL
0	05/18/17	FOR SUBMITTAL
В	04/18/17	FOR COMMENT
A	03/16/17	FOR COMMENT



NOTES:

- 1. NORTH SHOWN AS APPROXIMATE.
- 2. SOME EXISTING AND PROPOSED INFORMATION NOT SHOWN FOR CLARITY.
- THESE DRAWINGS ARE PROVIDED FOR SITING COUNCIL REVIEW. CONSTRUCTION LEVEL DRAWINGS WILL BE DEVELOPED SUBSEQUENT TO THE APPROVAL OF THESE DRAWINGS.
- 4. PROPOSED FAUX CHIMNEY DESIGN IS SHOWN AS CONCEPTUAL. FINAL DESIGN IS TO BE DETERMINED PENDING A STRUCTURAL ANALYSIS.
- 5. GROUND WILL BE TO BUILDING STEEL & WATER METER
- SITE PLAN & ELEVATION BASED ON SITE VISITS BY DEWBERRY ENGINEERS INC. ON 07/18/14 AND 10/23/15.



CELLCO PARTNERSHIP d/b/a **Verizon**

99 EAST RIVER DRIVE EAST HARTFORD, CT 06108

OCEAN BEACH CT

	CSC	DRAWINGS
F		
E		
1	06/02/17	FOR SUBMITTAL
0	05/18/17	FOR SUBMITTAL
В	04/18/17	FOR COMMENT
Δ	03/16/17	FOR COMMENT



Dewberry Engineers Inc.

600 PARSIPPANY ROAD SUITE 301 PARSIPPANY, NJ 07054 PHONE: 973, 739, 9400 FAX: 973, 739, 9710

JIANG YU, P.E. CONNECTICUT LICENSE NO. 0023222

BJR

REVIEWED BY: BSH

CHECKED BY: GHN

 PROJECT NUMBER:
 50067815

 JOB NUMBER:
 50089826

SITE ADDRESS:

DRAWN BY:

98 NEPTUNE AVENUE NEW LONDON, CT 06320

SHEET TITLE

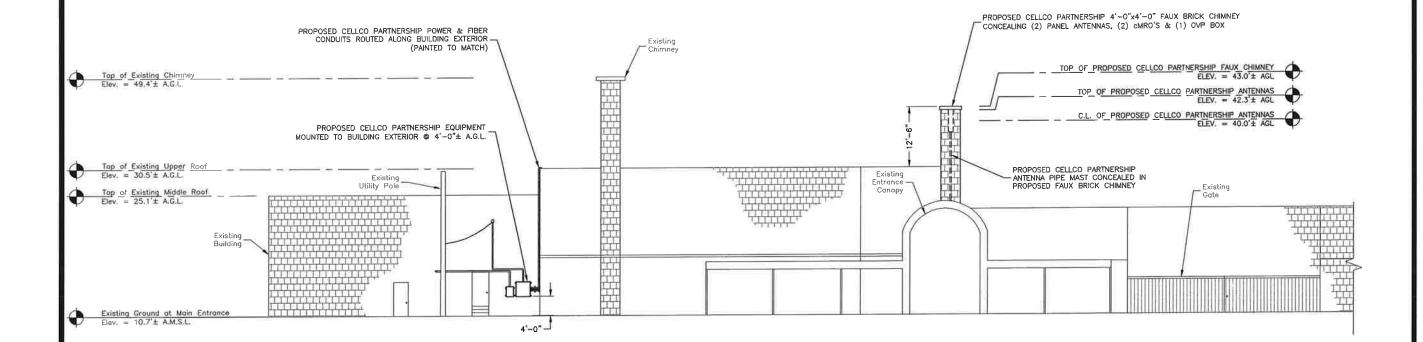
SITE PLAN

SHEET NUMBER

C-2

NOTES:

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- 7. EQUIPMENT TO BE MOUNTED TO BUILDING EXTERIOR ABOVE THE 100 YEAR BASE FLOOD ELEVATION OF 11'-0'' A.M.S.L.



NORTHWEST ELEVATION

SCALE: 1"=20" FOR 11"x17" 1"=10" FOR 22"x34" CELLCO
PARTNERSHIP
d/b/a **Verizon**

OCEAN BEACH CT

99 EAST RIVER DRIVE EAST HARTFORD, CT 06108

-		
	CSC	DRAWINGS
1	06/02/17	FOR SUBMITTAL
0	05/18/17	FOR SUBMITTAL
В	04/18/17	FOR COMMENT
Α	03/16/17	FOR COMMENT

Dewberry

Dewberry Engineers Inc.

600 PARSIPPANY HOAD SUITE 301 PARSIPPANY, NJ 07054 PHONE: 973,739,9400 FAX: 973,739,9710

RAWN	BY:	3,

BSH

50089826

CHECKED BY: GHN

PROJECT NUMBER: 50067815

SITE ADDRESS:

JOB NUMBER:

REVIEWED BY:

98 NEPTUNE AVENUE NEW LONDON, CT 06320

SHEET TITLE

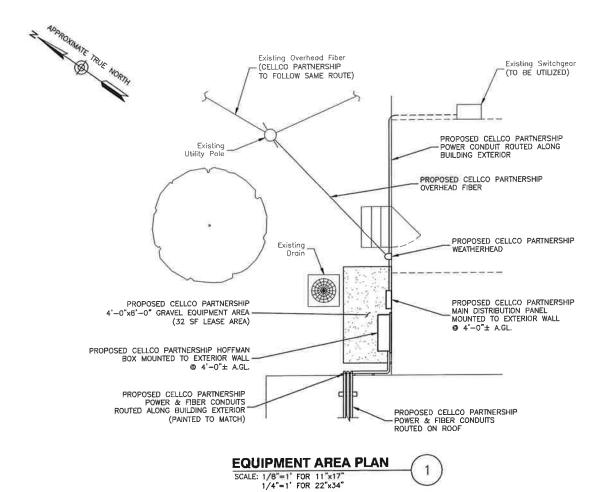
NORTHWEST ELEVATION

SHEET NUMBER

C-3

NOTES:

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- 2. SOME EXISTING AND PROPOSED INFORMATION NOT SHOWN FOR CLARITY.
- THESE DRAWINGS ARE PROVIDED FOR SITING COUNCIL REVIEW. CONSTRUCTION LEVEL DRAWINGS WILL BE DEVELOPED SUBSEQUENT TO THE APPROVAL OF THESE DRAWINGS.
- PROPOSED FAUX CHIMNEY DESIGN IS SHOWN AS CONCEPTUAL. FINAL DESIGN IS TO BE DETERMINED PENDING A STRUCTURAL ANALYSIS.
- 5. GROUND WILL BE TO BUILDING STEEL & WATER METER
- SITE PLAN & ELEVATION BASED ON SITE VISITS BY DEWBERRY ENGINEERS INC. ON 07/18/14 AND 10/23/15.
- EQUIPMENT TO BE MOUNTED TO BUILDING EXTERIOR ABOVE THE 100 YEAR BASE FLOOD ELEVATION OF 11'-0" A.M.S.L.





99 EAST RIVER DRIVE EAST HARTFORD, CT 06108

OCEAN BEACH CT

Γ	CSC	DRAWINGS
1	06/02/17	FOR SUBMITTAL
0	05/18/17	FOR SUBMITTAL
В	04/18/17	FOR COMMENT
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JIANG YU, P.E. CONNECTICUT LICENSE NO. 0023222

BJR	N BY:
	1 01.

REVIEWED BY: BSH

CHECKED BY: GHN

PROJECT NUMBER: 50067815

JOB NUMBER: 50089826

SITE ADDRESS:

98 NEPTUNE AVENUE NEW LONDON, CT 06320

SHEET TITLE

EQUIPMENT AREA PLAN

SHEET NUMBER

C-4

ATTACHMENT 3

Product Specifications





LNX-6513DS-A1M

Single Band Antenna, 698–896 MHz, 65° horizontal beamwidth, with factory attached AISG 2.0 actuator

- Extended tilt range offers better coverage
- Great solution to maximize network coverage and capacity
- Excellent gain, VSWR, front-to-back ratio, and PIM specifications for robust network performance
- Fully compatible with Andrew remote electrical tilt system for greater OpEx savings
- The RF connectors are designed for IP67 rating and the radome for IP56 rating

Electrical Specifications

Frequency Band, MHz	698-806	806-896
Gain, dBi	14.6	15.1
Beamwidth, Horizontal, degrees	65	65
Beamwidth, Vertical, degrees	16.0	14.5
Beam Tilt, degrees	0-10	0-10
USLS, typical, dB	20	20
Front-to-Back Ratio at 180°, dB	30	30
CPR at Boresight, dB	12	12
CPR at Sector, dB	10	10
Isolation, dB	_ 30	30
VSWR Return Loss, dB	1.4 15.6	1.4 15.6
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150
Input Power per Port, maximum, watts	400	400
Polarization	±45°	±45°
Impedance	50 ohm	50 ohm

Electrical Specifications, BASTA*

Frequency Band, MHz	698-806	806-896
Beamwidth, Horizontal Tolerance, degrees	±3	±3

^{*} CommScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, download the whitepaper Time to Raise the Bar on BSAs.

General Specifications

Operating Frequency Band

698 - 896 MHz

Antenna Type

Sector

Band

Single band

Performance Note

Outdoor usage

Mechanical Specifications

RF Connector Quantity, total 2 RF Connector Quantity, low band 2

RF Connector Interface

7-16 DIN Female

Color

Light gray

Grounding Type

RF connector inner conductor and body grounded to reflector and mounting bracket

Radiator Material

Aluminum

Radome Material

Fiberglass, UV resistant

Product Specifications



LNX-6513DS-A1M

RF Connector Location Bottom

Wind Loading, frontal 438.0 N @ 150 km/h

98.5 lbf @ 150 km/h

Wind Loading, lateral 143.0 N @ 150 km/h

32.1 lbf @ 150 km/h

Wind Loading, rear 514.0 N @ 150 km/h

115.6 lbf @ 150 km/h

Wind Speed, maximum 241 km/h | 150 mph

Dimensions

 Length
 1390.0 mm
 | 54.7 in

 Length, with installed actuator
 1553.0 mm
 | 61.1 in

 Width
 301.0 mm
 | 11.9 in

 Depth
 181.0 mm
 | 7.1 in

 Net Weight, without mounting kit
 14.8 kg
 | 32.6 lb

Packed Dimensions

 Length
 1706.0 mm | 67.2 in

 Width
 411.0 mm | 16.2 in

 Depth
 284.0 mm | 11.2 in

 Shipping Weight
 30.9 kg | 68.1 lb

Regulatory Compliance/Certifications

Agency

RoHS 2011/65/EU

China RoHS SJ/T 11364-2006

ISO 9001:2008

ClassificationCompliant by Exemption

Above Maximum Concentration Value (MCV)

Designed, manufactured and/or distributed under this quality management system





Included Products

DB380 — Pipe Mounting Kit for 2.4"-4.5" (60-115mm) OD round members on wide panel antennas. Includes 2 clamp sets and double nuts.

DB5083 — Downtilt Mounting Kit for 2.4"-4.5" (60 - 115 mm) OD round members. Includes a heavy-duty, galvanized steel downtilt mounting bracket assembly and associated hardware. This kit is compatible with the DB380 pipe mount kit for panel antennas that are equipped with two mounting brackets.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance

Alcatel-Lucent 9768 Compact Metro Radio Outdoor

B66 (AWS1-3) 2x5W

The Alcatel-Lucent 9768 Compact Metro Radio Outdoor B66 (AWS1-3) 2x5W (9768 CMRO B66 (AWS1-3) 2x5W) is a next-generation radio that brings together the latest innovations in amplifiers and transceivers to minimize size and improve performance. Operating in the B66 (AWS1-3) frequency band, the 9768 CMRO integrates a full sector remote radio head (RRH) into a single compact unit that connects to an external baseband unit (BBU). Its compact design and modular approach bring more flexibility to deployment, accelerating time to market and helping to streamline zoning approval. The 9768 CMRO, in association with the Alcatel-Lucent 9926 BBU, is ideal for covering high-capacity places and events.



The Alcatel-Lucent 9768 Compact Metro Radio Outdoor B66 (AWS-1-3) 2x5W is the latest enhancement to the industry leading Alcatel-Lucent end-to-end Small Cell solutions.

The 9768 CMRO connects to an external BBU. The BBU comes in a conventional or clustered configuration and may be located at the same location as the 9768 CMRO or at a different location. The 9768 CMRO supports daisy chaining, thereby enabling multiple 9768 CMROs to connect to the BBU over the same optical cable.

The unit is easily deployed almost anywhere without the complexity or cost associated with traditional macro cell site installation. The 9768 CMRO brings new deployment flexibility with its small dimensions and volume and its modular approach in RF. It allows a smooth integration in urban furniture such as information panels for a respectful urban environment deployment.

Network deployment and optimization costs of the 9768 CMRO are also significantly reduced with self-organizing network (SON) features, powered by Bell Labs innovations.

SON technology increases operational efficiency and network performance by automating network configuration and optimization.

The 9768 CMRO interoperates with any vendor's macro network, which makes it well adapted for the deployment of heterogeneous networks (HetNets).

Features

- Small, lightweight unit that is virtually invisible when integrated in urban furniture or mounted on a lamppost, pole, or wall
- Supports up to 20 MHz carrier bandwidth
- Supports external antennas, providing maximum flexibility
- 2x2 multiple-input multiple-output (MIMO) configuration, 2 transmit and 2 receive path diversity for improved signal quality, capacity and range
- Daisy chaining with up to four 9768 CMRO B66 2x5W units
- Supports standard Common Public Radio Interface (CPRI™)
- Compliant with 3GPP Releases 8, 9 and 10
- Macro BBU features enable handovers to and from macro networks, SON capabilities and real-time operational status and service monitoring



Benefits

- High-capacity solution to cover places where a large number of LTE subscribers congregate
- Deployment flexibility including integration in urban furniture
- More compact footprint than the previous generation of Metro Radio Outdoor products
- Interworking with any other vendor's macro network (multivendor HetNet) to extend macro coverage and capacity to both outdoor and indoor locations with a low total cost of ownership (TCO)
- LTE-Advanced capable and fully compatible with virtual RAN nextgeneration architectures

Technical specifications

Physical dimensions

- Height: 256 mm (10.4 in)
- Width: 180 mm (7.09 in)
- Depth: 135 mm (5.3 in)
- Volume: <6.5 L (without antennas)

Weight

 Approximately 6.8 kg (15 lb) (without antennas)

Mounting options

- · Mountable on lamppost, pole or wall
- · Vertical orientation
- Strand mount
- · Integration in urban furniture

Power supply

- 110 V AC to 270 V AC or -40 V to -57 V DC
- Consumption: typical 85 W, max 100 W

Interfaces

- Two SFP connectors for CPRI rate 7
- Two 4.3-10 (Mini-DIN) connectors for external RF antennas
- · AC or DC power input connector

Certifications and standards

- FCC
- · Safety: CSA
- · IP65 certified

Environmental parameters

- Temperature range: 40°C to +50°C (+55°C with solar shield)
- Relative humidity: 5% to 100%

Radio characteristics

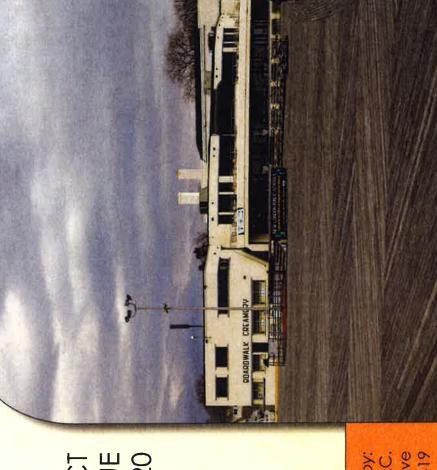
- Operating bands: 3GPP LTE Band 66 (without AWS4)
- Maximum transmission power: 2 x 37 dBm (2x5W) at the antenna connectors
- · 2 x2 MIMO 2Rx diversity
- Two LTE carriers of up to 20 MHz channel bandwidth (not supported in first release)
- LTE theoretical user peak rates (20 MHz bandwidth, 100 PRBs):
 - 150.752 Mb/s DL, UE Cat.4
 - 55.056 Mb/s UL, 16 QAM
- Receive sensitivity: -98 dBm at antenna connector



ATTACHMENT 4

Visual Assessment & Photo-Simulations

OCEAN BEACH SC CT 98 NEPTUNE AVENUE NEW LONDON, CT 06320



All-Points Technology Corporation, P.C. 3 Saddlebrook Drive Killingworth, CT 06419

Prepared for Verizon Wireless



VISUAL ASSESSMENT & PHOTO-SIMULATIONS

At the request of Cellco partnership LLC d/b/a Verizon Wireless, All-Points Technology Corporation, P.C. ("APT") completed this visual assessment and prepared computer-generated photo-simulations depicting the proposed installation of a small cell wireless telecommunications facility ("Facility") at 98 Neptune Avenue in New London, Connecticut (the "Host Property").

Project Setting

The Host Property is located on the shore of Long Island Sound west of Neptune Avenue, Stuart Avenue and Bentley Avenue. See Figure 1 – Site Schematic. The surrounding land use is residential. The Host Property is currently developed with Ocean Beach Park and includes a large paved parking area, multiple buildings and recreational attractions. The Site of the proposed Facility is the main building at the park, located in the south-central portion of the Host Property.

The proposed Facility would include two (2) panel antennas, two (2) compact Metro Radio Outdoor units and one (1) over voltage protection box all concealed within a faux chimney structure on the building's north side roof. The height of the proposed chimney concealment would be ±43 feet above ground level ("AGL"), extending about 12.5 feet above the building's upper roof line and ±6 feet below an existing chimney to the east. Associated ground equipment and cable trays would be wall-mounted to the building on its northeast side. The faux chimney, equipment cabinets and cable trays would all be painted to match the existing building façade. Utilities would be routed to the existing building above ground from a nearby existing utility pole. The proposed Facility components and their locations are illustrated in Figure 2 – Proposed Equipment Location and Elevation Plan.

Methodology

On April 12, 2017, APT personnel conducted field reconnaissance and photo-documented existing conditions. At each photo location, the geographic coordinates of the camera's position were logged using global positioning system ("GPS") technology. Photographs were taken with a Canon EOS 6D digital camera body and Canon EF 24 to 105 millimeter ("mm") zoom lens using a focal length of 50 mm for consistency.

Three-dimensional computer models were developed for the building and proposed small cell components from AutoCAD information. Photographic simulations were then generated to portray scaled renderings of the proposed installation. Using field data, site plan information and image editing software, the proposed Facility was scaled to the correct location and height, relative to the existing structure and surrounding area. A photolog map and copies of the existing conditions and photo-simulations are attached.



Legend

Approximate Subject Property

Approximate Parcel Boundary (CTDEEP GIS)

Municipal Boundary

Site Schematic

Proposed Wireless Small Cell Facility Ocean Beach SC CT 98 Neptune Avenue New London, Connecticut





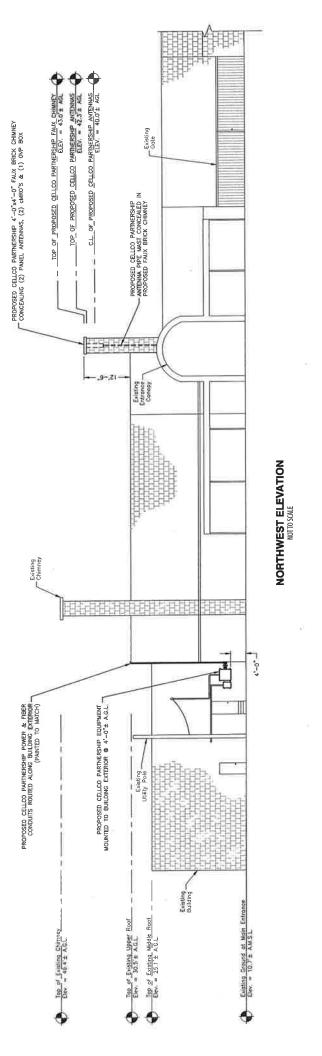


FIGURE 2: PROPOSED EQUIPMENT LOCATION AND ELEVATION PLAN

Details extracted from technical drawings provided by Dewberry Engineers Inc. dated 5-18-17.

Photograph Locations

Five (5) of the seven (7) photo-locations were simulated and present generally unobstructed view lines towards at least a portion of the proposed installation(s). The table below summarizes characteristics of the photographs and simulations presented in the attachment to this report including a description of each location, view orientation, and the distance from where the photo was taken relative to the proposed Facility. The photo locations are depicted on the photo-log map provided as an attachment to this report.

View	Location	Orientation	Distance to Site
1	Host Property Parking Lot	Southeast	±220 Feet
2	Bentley Avenue*	Southwest	±499 Feet
3	Host Property - Ocean Beach*	Northwest	±500 Feet
4	Host Property - Ocean Beach	North	±395 Feet
5	Host Property - Ocean Beach Boardwalk	Northeast	±451 Feet
6	Host Property Parking Lot	Southeast	±0.11 Mile
7	Host Property	Southwest	±68 Feet

^{*}Not visible from this location

Conclusions

The visibility of the proposed Facility would be limited to locations primarily on the Host Property. The location and design of the proposed Facility would appear to be a component of the building and, with the exception of the wall-mounted equipment cabinets and cable trays, barely discernible as a telecommunications site.

Based on the results of this assessment, it is our opinion that the proposed installation of the Verizon Wireless communications Facility will not have an adverse visual impact on existing views of this building or the character of the community.

Limitations

The photo-simulations provide a representation of the Facility under similar settings as those encountered during the reconnaissance. They are however static in nature and do not necessarily fairly characterize the prevailing views from all locations within a given area. Views of the Facility can change throughout the seasons and the time of day, and are dependent on weather and other atmospheric conditions (e.g., haze, fog. clouds); the location, angle and intensity of the sun; and the specific viewer location.

ATTACHMENTS





1 inch = 200 feet





















DISTANCE TO SITE +/- 220 FEET

ORIENTATION SOUTHEAST





HOST PROPERTY PARKING LOT

PROPOSED

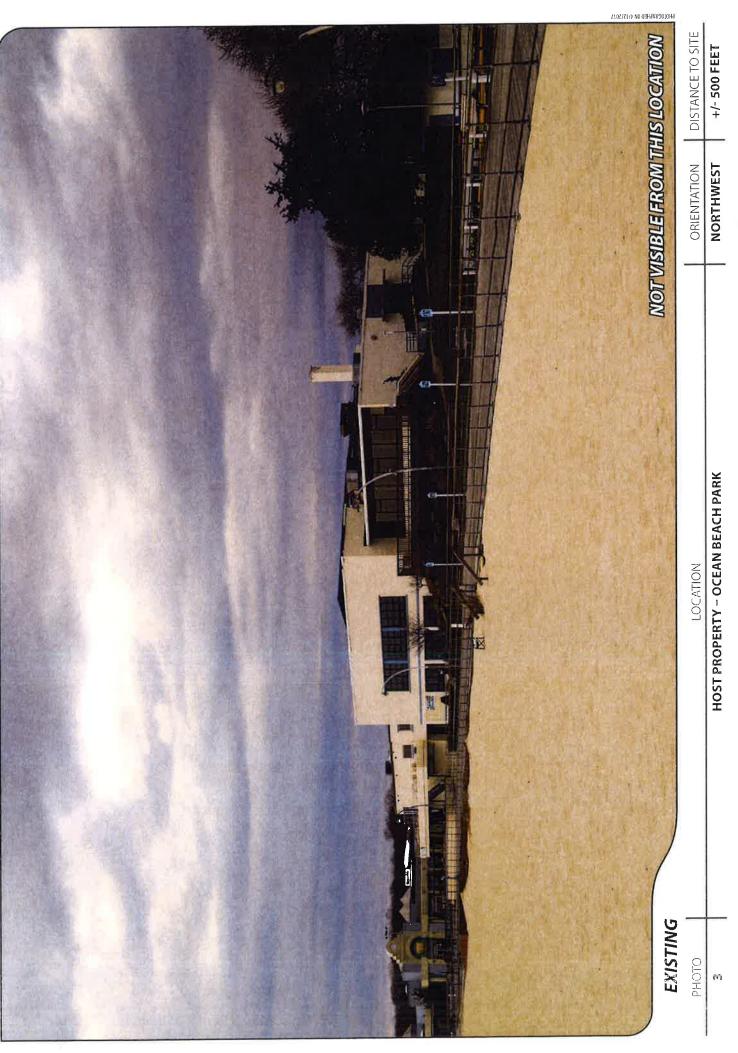
PHOTO

LOCATION









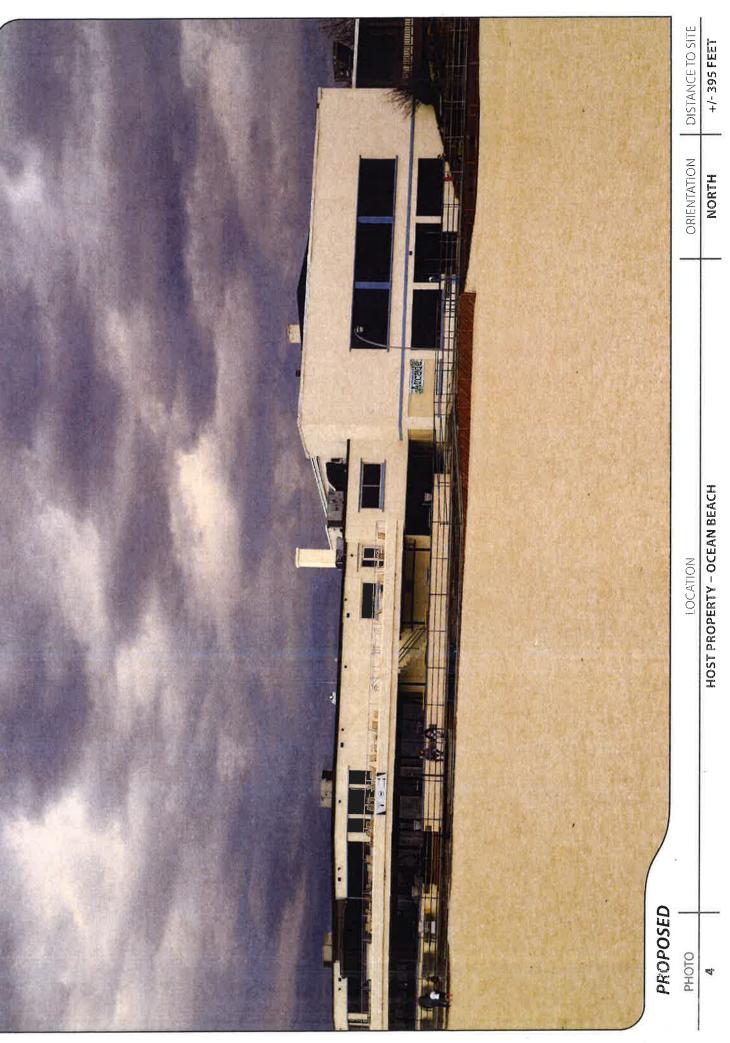






verizon







PHOTOGRAPHED ON 4/12/2017

DISTANCE TO SITE +/- 451 FEET







NORTHEAST ORIENTATION

EXISTING

PHOTO Ŋ





DISTANCE TO SITE +/- 451 FEET



NORTHEAST ORIENTATION

HOST PROPERTY – OCEAN BEACH BOARDWALK LOCATION

PROPOSED

PHOTO





DISTANCE TO SITE +/- 0.11 MILE

ORIENTATION





LOCATION

HOST PROPERTY PARKING LOT

PROPOSED PHOTO





DISTANCE TO SITE +/- 68 FEET SOUTHWEST ORIENTATION **HOST PROPERTY** LOCATION

EXISTING

PHOTO

> mmn





DISTANCE TO SITE +/- 68 FEET



Ocean Beach SC, CT Site Name: Ocean Beach Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans,	Total	Distance to Target	Calculated Power Density	Maximum Permissable Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW PCS	1970	0	0	0	40	0.000.0	1.0	0.00%
VZW Cellular	869	0	0	0	40	0.000.0	0.57933333	%00.0
VZW AWS	2145	0	0	0	40	0.000.0	1.0	%00.0
VZW 700	746	1	159	158.8474	40	0.0357	0.497333333	7.18%
Total Percentage	ntage of Ma	of Maximum Permissible Exposure	ermissibl	e Exposi	ıre	¥		7.18%

7.18%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

MHz = Megahertz

mW/cm^2 = milliwatts per square centimeter ERP = Effective Radiated Power

Absolute worst case maximum values used.

```
OCEAN_BEACH_SC_CT.txt
                   ******************
                                    Federal Airways & Airspace
                                Summary Report: New Construction
                                          Antenna Structure
                   ***********************
                   Airspace User: Your Name
                   File: OCEAN_BEACH_SC_CT
                   Location: New London, CT
                                                               Longitude: 72°-05'-55.55"
                   Latitude: 41°-18'-33.60"
                   SITE ELEVATION AMSL.....10.7 ft.
                   STRUCTURE HEIGHT.....50 ft.
                   OVERALL HEIGHT AMSL......61 ft.
NOTICE CRITERIA
  FAR 77.9(a): NNR (DNE 200 ft AGL)
  FAR 77.9(b): NNR (DNE Notice Slope)
FAR 77.9(c): NNR (Not a Traverse Way)
FAR 77.9: NNR FAR 77.9 IFR Straight-In Notice Criteria for GON
FAR 77.9: NNR FAR 77.9 IFR Straight-In Notice Criteria for OB8
  FAR 77.9:
  FAR 77.9(d): NNR (Off Airport Construction)
  NR = Notice Required
  NNR = Notice Not Required
  PNR = Possible Notice Required (depends upon actual IFR procedure)
          For new construction review Air Navigation Facilities at bottom
          of this report.
  Notice to the FAA is not required at the analyzed location and height for
  slope, height or Straight-In procedures. Please review the 'Air Navigation'
  section for notice requirements for offset IFR procedures and EMI.
OBSTRUCTION STANDARDS
   FAR 77.17(a)(1): DNE 499 ft AGL
  FAR 77.17(a)(2): DNE - Airport Surface FAR 77.19(a): DNE - Horizontal Surface
  FAR 77.19(b): DNE - Conical Surface
FAR 77.19(c): DNE - Primary Surface
FAR 77.19(d): DNE - Approach Surface
FAR 77.19(e): DNE - Transitional Surface
VFR TRAFFIC PATTERN AIRSPACE FOR: GON: GROTON-NEW LONDON
                                RE: 5.3
Туре: А
            RD: 15066.25
   FAR 77.17(a)(1):
                                 DNE
                                 DNE - Height No Greater Than 200 feet AGL.
   FAR 77.17(a)(2):
  VFR Horizontal Surface: DNE
  VFR Conical Surface:
                                 DNE
  VFR Approach Slope:
                                 DNE
  VFR Transitional Slope: DNE
  The structure is within VFR - Traffic Pattern Airspace Climb/Descent Area. Structures exceeding the greater of 350' AAE, 77.17(a)(2), or VFR horizontal and conical surfaces will receive a hazard determination from the FAA. Maximum AMSL of Climb/Descent Area is 359 feet.
VFR TRAFFIC PATTERN AIRSPACE FOR: 0B8: ELIZABETH FIELD
Type: A RD: 2678
FAR 77.17(a)(1):
           RD: 26783.23 RE: 7
                                 DNE
                                            Page 1
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OCEAN_BEACH_SC_CT.txt

FAR 77.17(a)(2): Does Not Apply.

VFR Horizontal Surface: DNE
VFR Conical Surface: DNE
VFR Approach Slope: DNE
VFR Transitional Slope: DNE

TERPS DEPARTURE PROCEDURE (FAA Order 8260.3, Volume 4) FAR 77.17(a)(3) Departure Surface Criteria (40:1)

DNE Departure Surface

MINIMUM OBSTACLE CLEARANCE ALTITUDE (MOCA)
FAR 77.17(a)(4) MOCA Altitude Enroute Criteria
The Maximum Height Permitted is 1000 ft AMSL

PRIVATE LANDING FACILITIES				
FACIL	BEARING		DELTA ARP	
IDENT TYP NAME	To FACIL	IN NM	ELEVATION	IFR
69CT HEL THE SHORE	82.34	4.82	.+49	
No Impact to Private Landing Facility Structure is beyond notice limit by 24	287 feet.			
Structure is beyond notice limit by 24	207 reet.			

		AIR NA' FAC	VIGATION ELE	CTRO ST	ONIC FAC	CILITIES	DIST	DELTA			GRND
AP	СН		T\/DE		FREO	VECTOR			ст	LOCATION	ANGLE
BE	٩R	IDNT	TYPE	АТ	FREQ	VECTOR	(11)	ELEVA	31	LOCATION	ANGLE
	50 E)	GON	VOR/DME	R	110.8	59.15	14969	+52	CT	GROTON	.20
		GON	ATCT	Υ	A/G	60.73	16692	-26	CT	GROTON-NEW LONDON	09
		GON	LOCALIZER	U	111.3	58.64	20042	+54	СТ	RWY 05 GROTON-NEW	.15
48		ORW	VOR/DME	I	110.0	16.82	94058	-249	СТ	NORWICH	15
		SEY	VOR/DME	R	117.8	109.96	152776	-39	RI	SANDY POINT	01
		нто	VORTAC	I	113.6	202.82	154386	+39	NY	HAMPTON	.01
		MAD	VOR/DME	R	110.4	270.77	163037	-159	СТ	MADISON	06
		HFD	VOR/DME	R	114.9	314.66	172422	-788	СТ	HARTFORD	26
		PVD	RADAR	Υ	2735.	42.26	203124	-505	RI	THEODORE FRANCIS	14
		OVH	RADAR ARSR	Υ	1326.9	225.76	225680	-290	NY	RIVERHEAD	07

CFR Title 47, §1.30000-§1.30004 AM STUDY NOT REQUIRED: Structure is not near a FCC licensed AM station. Movement Method Proof as specified in §73.151(c) is not required. Please review 'AM Station Report' for details.

Nearest AM Station: WXLM @ 8718 meters.

Airspace® Summary Version 17.3.436

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OCEAN_BEACH_SC_CT.txt

04-12-2017 14:37:44

Robinson+Cole

KENNETH C. BALDWIN

280 Trumbull Street Hartford, CT 06103-3597 Main (860) 275-8200 Fax (860) 275-8299 kbaldwin@rc.com Direct (860) 275-8345

Also admitted in Massachusetts

June 7, 2017

Via Certificate of Mailing

Michael Passero, Mayor City of New London 181 State Street New London, CT 06320

Re: Proposed Installation of a Wireless Telecommunications Facility at Ocean Beach Park, 98 Neptune Avenue, New London, Connecticut

Dear Mayor Passero:

This firm represents Cellco Partnership d/b/a Verizon Wireless ("Cellco"). Today, Cellco filed a Petition for Declaratory Ruling ("Petition") with the Connecticut Siting Council ("Council") seeking approval to install a new small cell wireless telecommunications facility at Ocean Beach Park in New London (the "Property"). The facility will consist of a tower mast attached to the banquet center building and supporting two (2) panel antennas. The tower mast and antennas will be concealed within a faux chimney enclosure. The top of the antennas and faux chimney would extend to a height of approximately 43 feet above grade. Equipment associated with the antennas will be attached to the northerly façade of the building.

A full copy of the Petition is attached for your review. In accordance with Council requirements, abutting landowners were also sent notice of this filing and a copy of the Petition.

16588398-v1

Robinson+Cole

Michael Passero, Mayor June 7, 2017 Page 2

Please contact me if you have any questions regarding this proposal.

Sincerely,

Kenneth C. Baldwin

Attachment

KENNETH C. BALDWIN

280 Trumbull Street Hartford, CT 06103-3597 Main (860) 275-8200 Fax (860) 275-8299 kbaldwin@rc.com Direct (860) 275-8345

Also admitted in Massachusetts

June 7, 2017

Via Certificate of Mailing

«Name_and_Address»

Re: Notice of Intent to File a Petition for Declaratory Ruling with the Connecticut Siting Council for the Installation of a Wireless Telecommunications Facility at Ocean Beach Park, 98 Neptune Avenue, New London, Connecticut

Dear «Salutation»:

This firm represents Cellco Partnership d/b/a Verizon Wireless ("Cellco"). Today, Cellco filed a Petition for Declaratory Ruling ("Petition") with the Connecticut Siting Council ("Council") seeking approval to install a new small cell wireless telecommunications facility at Ocean Beach Park in New London (the "Property"). The facility will consist of a tower mast attached to the banquet center building and supporting two (2) panel antennas. The tower mast and antennas will be concealed within a faux chimney enclosure. The top of the antennas and faux chimney would extend to a height of approximately 43 feet above grade. Equipment associated with the antennas will be attached to the northerly façade of the building. A copy of Cellco's Petition is attached for your review.

This notice is being sent to you because you are listed on the Town Assessor's records as an owner of land that abuts the Property. If you have any questions regarding the Petition, the Council's process for reviewing the Petition or the details of the filing itself, please feel free to contact me at the number listed above. You may also contact the Council directly at 860-827-2935.

June 7, 2017 Page 2

Sincerely,

Kenneth C. Baldwin

Attachment

CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS

ABUTTING PROPERTY OWNERS

98 NEPTUNE AVENUE (STUART AVENUE) NEW LONDON, CONNECTICUT

	Property Address	Owner's and Mailing Address
1.	53 Highland Avenue	Ralph E. and Kathy L. Matyas 53 Highland Avenue New London, CT 06320
2.	22 Beechwood Lane	Cynthia L. Collins 22 Beechwood Lane New London, CT 06320
3.	41 Highland Avenue	Highland By The Sea LLC 53 Highland Avenue New London, CT 06320
4.	105 Stuart Avenue	Ronald C. Stattler 105 Stuart Avenue New London, CT 06320
5.	95 Stuart Avenue	Pricilla Colville 95 Stuart Avenue New London, CT 06320
6.	93 Stuart Avenue	Leah Napoli 93 Stuart Avenue New London, CT 06320
7.	87 Stuart Avenue	Anne Marie Braun 87 Stuart Avenue New London, CT 06320
8.	81 Stuart Avenue	John R. and Eileen M. Hackling 81 Stuart Avenue New London, CT 06320
9.	77 Stuart Avenue	Graham Thompson 77 Stuart Avenue New London, CT 06320

	Property Address	Owner's and Mailing Address
10.	73 Stuart Avenue	Drew Scanelli and Susan Walsh 73 Stuart Avenue New London, CT 06320
11.	71 Stuart Avenue	Dorothea R. Carters 71 Stuart Avenue New London, CT 06320
12.	65 Stuart Avenue	Michael A. Dalessio, Jr. 24 Mountain View Road Ansonia, CT 06401
13.	89 Neptune Avenue	Debra Ellison 29 Neptune Avenue New London, CT 06320
14.	94 Neptune Avenue	Antonio and Concettina Marzano 639 Ridge Road Wethersfield, CT 06109
15.	49 Stuart Avenue	Sylvia Leader, Trustee c/o Richard Leader 15 Center Court Laguna Niguel, CA 92677
16.	47 Stuart Avenue	Thomas W. Swain IV 47 Stuart Avenue New London, CT 06320
17.	43 Stuart Avenue	Michael Naphen and Marrianne McGrarvey 43 Stuart Avenue New London, CT 06320
18.	41 Stuart Avenue	Kenneth J. Lavoie 401 Deep Wood Drive Lebanon, CT 06249
19.	10 Park Street	James D. Blackburn 216 Glenwood Avenue New London, CT 06320
20.	17 Park Street	17 Park Street LLC 28 Grassy Hill Road East Lyme, CT 06333

	Property Address	Owner's and Mailing Address
21.	19 Bentley Avenue	Vincenzo Rettura P.O. Box 424 West Springfield, MA 01090
22.	15 Bentley Avenue	Sandra E. Façin 15 Bentley Avenue New London, CT 06320
23.	11 Bentley Avenue	Donald J. Curcur 11 Bentley Avenue New London, CT 06320
24.	7 Bentley Avenue	Carl and Corrina Nedzel 7 Bentley Avenue New London, CT 06320
25.	1165 Ocean Avenue	John S. and Joanne M. Duddy 1165 Ocean Avenue New London, CT 06320
26.	1170 Ocean Avenue	Morton H. Goldberg 33 Cumberland Road West Hartford, CT 06119
27.	1174 Ocean Avenue	George and Despona M. Tyropolis 1174 Ocean Avenue New London, CT 06320
28.	1176 Ocean Avenue	Selma Budkofsky and Seymour Melnich 144 South Main Street, #121 West Hartford, CT 06107
29.	1182 Ocean Avenue	Dennis P. and Eillene L. Combs 1155 South Main Street Manchester, CT 06040
30.	Ocean Avenue	Dennis P. and Eillene L. Combs 1155 South Main Street Manchester, CT 06040
31.	1186 Ocean Avenue	June H. Okun 124 Tecumseh Drive Longmeadow, MA 01106

	Property Address	Owner's and Mailing Address
32.	1190 Ocean Avenue	Todd C. Ratner and Tiffany Dacey 70 Green Willow Drive Longmeadow, MA 01106
33.	1194 Ocean Avenue	Catherine Fosnot 1194 Ocean Avenue New London, CT 06320
34.	76 Mott Avenue	Mark and Julie Wolman P.O. Box 535 Waterford, CT 06538
35.	1164 Ocean Avenue	Present Tense LLC 155 Old Hickory Road Fairfield, CT 06824