

STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

IN RE:	:	
	:	
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 WIRELESS TELECOMMUNICATIONS	:	
FACILITY AT 35-37 DANBURY ROAD,	:	
RIDGEFIELD, CONNECTICUT	:	DECEMBER 14, 2016

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 new telecommunications tower on the roof of an existing two-story office building at 35-37 Danbury Road (Route 35) in Ridgefield, Connecticut (the “Property”). The Property is owned by Eppoliti Realty Co., Inc. This cell site is identified as Cellco’s “Ridgefield 5 Facility”.

II. Factual Background

The Property is a 1.17- acre parcel in Ridgefield’s B-1 zoning district and is used for commercial office purposes. The Property is surrounded by additional commercial (office/retail) uses and single family residential uses to the north. See Attachment 1 – Site Vicinity and Site

Schematic Maps (Aerial Photograph).

III. Proposed Ridgefield 5 Facility

Cellco is licensed to provide wireless telecommunications services in the 700 MHz, 850 MHz, 1900 MHz and 2100 MHz frequency ranges in Ridgefield and throughout the State of Connecticut. Cellco has identified a need for improved wireless service along Danbury Road (Route 35) and to the surrounding commercial and residential areas in central portions of Ridgefield.

The proposed Ridgefield 5 Facility would consist of a small tower on the northerly portion of the roof of the existing two-story office building on the Property. The tower will support six (6) panel-type antennas (three (3) sectors of two (2) antennas each) and six (6) remote radio heads (“RRHs”). The top of Cellco’s antennas will extend to a height of approximately 37’-6” above grade (approximately 7’-6” above the roof and approximately 6’ above the building’s parapet wall). The roof-top tower, antennas and RRHs will be surrounded by a radio frequency (RF) transparent screening enclosure designed to match the color, texture and architectural design of the building. Equipment associated with Cellco’s antennas will be located in a first floor equipment room, inside the office building. Power and telephone service to the Ridgefield 5 Facility will extend from existing service in the building. (See Cellco’s Project Plans included in Attachment 2). Specifications for Cellco’s antennas and RRHs are included in Attachment 3.

IV. Discussion

A. The Proposed Facility Modifications Will Not Have A Substantial Adverse Environmental Effect

The Public Utility Environmental Standards Act (the “Act”), C.G.S. § 16-50g et seq., provides for the orderly and environmentally compatible development of telecommunications

towers in the state to avoid “a significant impact on the environment and ecology of the State of Connecticut.” C.G.S. § 16-50g. To achieve these goals, the Act established the Council, and requires a Certificate of Environmental Compatibility and Public Need for the construction of cellular telecommunication towers “that may, as determined by the council, have a substantial adverse environmental effect”. C.G.S. § 16-50k(a).

1. Physical Environmental Effects

Cellco respectfully submits that the installation of a small tower supporting antennas and RRHs on the roof of the existing office building behind a screening enclosure will not involve a significant alteration in the physical and environmental characteristics of the Property. All improvements associated with this facility will be located on or inside the building.

2. Visual Effects

Cellco submits that the Ridgefield 5 Facility would have minimal visual effects on the Property and the surrounding area. (See Visual Assessment & Photo-Simulations (“Visual Assessment”) included in Attachment 4). As discussed in the Visual Assessment, the visibility of the proposed tower enclosure would be limited to locations along Danbury Road, within the immediate vicinity on the building and Property. The facility would, therefore, not have an adverse visual impact on the character of the community.

3. FCC Compliance

Radio frequency (“RF”) emissions from the proposed installation will be well below the standards adopted by the Federal Communications Commission (“FCC”). Included in Attachment 5 is a Calculated Radio Frequency Emissions Report that demonstrates that Cellco’s Ridgefield 5 Facility will operate well within the FCC safety standard.

4. FAA Summary Report

Included in Attachment 6 is a Federal Airways & Airspace Summary Report (the “FAA Report”) verifying that the tower, antennas and RRHs would not require obstruction marking or lighting on the roof of the building. Notification to the FAA is not required.

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

On December 14, 2016, a copy of this Petition was sent to Ridgefield’s First Selectman Rudy Marconi and to Eppoliti Realty Co., Inc., the owner of the Property. Copies of the letters sent to the Mr. Marconi and to Eppoliti Realty Co., Inc. are included in Attachment 7.

A copy of Cellco’s Petition was also sent to the owners of land that abuts the Property. A sample abutter’s letter, and the list of those abutting landowners to whom notice was sent is included in Attachment 8. An Abutters Map is also included on Project Plan Sheet C-1 in Attachment 2.

V. 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 tower, supporting antennas and associated equipment and the installation of a screening enclosure on the roof of the building at the Property 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.

Respectfully submitted,

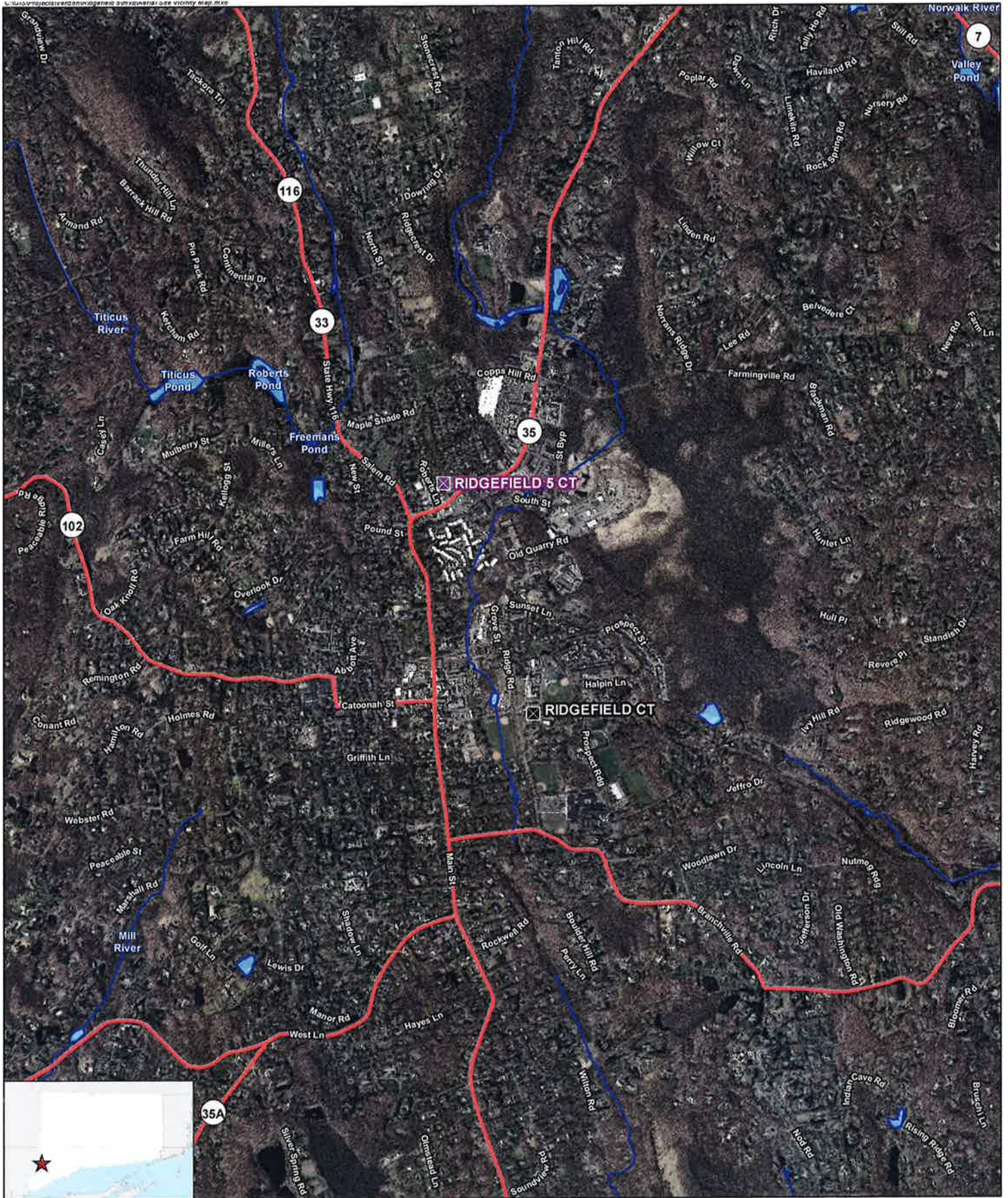
CELLCO PARTNERSHIP d/b/a VERIZON  
WIRELESS

By



Kenneth C. Baldwin, Esq.  
Robinson & Cole LLP  
280 Trumbull Street  
Hartford, CT 06103-3597  
(860) 275-8200  
Its Attorneys

# **ATTACHMENT 1**



- Legend**
- Proposed Verizon Wireless Facility
  - Surrounding Verizon Wireless Facilities
  - ~ Watercourse (CTDEEP)
  - Waterbody

Base Map Source: 2012 Aerial Photograph (CTECO)  
 Map Scale: 1 inch = 2,000 feet  
 Map Date: September 2016




**Site Vicinity Map**

Proposed Wireless Telecommunications Facility  
 Ridgefield 5 CT  
 37 Danbury Road  
 Ridgefield, Connecticut



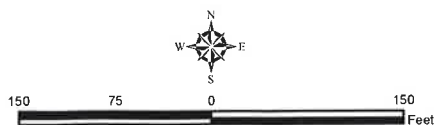


**Legend**  
 Subject Property

**Site Schematic**

Proposed Wireless Telecommunications Facility  
 Ridgfield 5 CT  
 37 Danbury Road  
 Ridgfield, Connecticut

**Map Notes:**  
 Base Map Source: 2012 Aerial Photograph (CTECO)  
 Map Scale: 1 inch = 150 feet  
 Map Date: September 2016





# **ATTACHMENT 2**

CELLCO PARTNERSHIP



WIRELESS COMMUNICATIONS FACILITY

RIDGEFIELD 5 CT

35-37 DANBURY ROAD  
RIDGEFIELD, CT 06877

PREPARED FOR: CELLCO PARTNERSHIP D.B.A.



1600 OSGOOD STREET  
BUILDING 20 NORTH, SUITE 3090 TEL: (978) 557-5553  
N. ANDOVER, MA 01845 FAX: (978) 336-5586



*Daniel P. Hamon*

CHECKED BY: DJR

APPROVED BY: DPH

SUBMITTALS

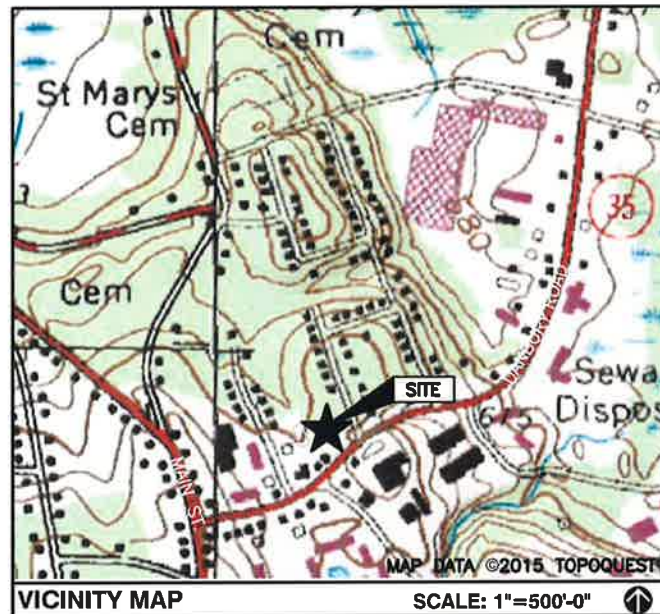
REV.	DATE	DESCRIPTION	BY
0	12/09/16	ISSUED FOR REVIEW	GC

SITE NAME:  
RIDGEFIELD 5 CT

SITE ADDRESS:  
35-37 DANBURY ROAD  
RIDGEFIELD, CT 06877

SHEET TITLE  
TITLE SHEET

SHEET NUMBER  
T-1



DIRECTIONS TO SITE:

99 E RIVER DR, EAST HARTFORD, CT 06108  
HEAD EAST ON E RIVER DR TOWARD DARLIN ST  
TURN LEFT TO STAY ON E RIVER DR  
TURN LEFT AT THE 1ST CROSS STREET ONTO CONNECTICUT BLVD  
TURN LEFT ONTO THE ROUTE 84 W RAMP TO HARTFORD/ROUTE 91  
FOLLOW I-84 TO US-7 S IN DANBURY. TAKE EXIT 3 FROM I-84  
MERGE ONTO I-84  
KEEP LEFT TO STAY ON I-84  
USE THE LEFT 2 LANES TO TAKE EXIT 3 FOR SOUTH U.S. 7 S TOWARD NORWALK  
FOLLOW US-7 S AND CT-35 S/DANBURY RD TO YOUR DESTINATION IN RIDGEFIELD  
CONTINUE ONTO US-7 S  
KEEP LEFT TO STAY ON US-7 S  
TURN RIGHT ONTO CT-35 S/DANBURY RD  
35 DANBURY ROAD  
RIDGEFIELD, CT WILL BE ON THE LEFT

CONSULTANT TEAM

PROJECT ENGINEER

HUDSON DESIGN GROUP, LLC  
1600 OSGOOD STREET  
BUILDING 20 NORTH, SUITE 3090  
NORTH ANDOVER, MA 01845  
TEL: 1-(978)-557-5553  
FAX: 1-(978)-336-5586

MEP ENGINEER

HUDSON DESIGN GROUP, LLC  
1600 OSGOOD STREET  
BUILDING 20 NORTH, SUITE 3090  
NORTH ANDOVER, MA 01845  
TEL: 1-(978)-557-5553  
FAX: 1-(978)-336-5586

PROJECT SUMMARY

**SITE NAME:** RIDGEFIELD 5 CT  
**SITE ADDRESS:** 35-37 DANBURY ROAD  
RIDGEFIELD, CT 06877  
**PROPERTY OWNER:** EPPOLITI REALTY CO., INC.  
37 DANBURY ROAD, SUITE 203  
RIDGEFIELD, CT 06877  
**APPLICANT:** CELLCO PARTNERSHIP  
d/b/a VERIZON WIRELESS  
99 EAST RIVER DRIVE  
EAST HARTFORD, CT 06108  
**APPLICANT:** ALEKSEY TYURIN  
VERIZON WIRELESS  
99 EAST RIVER DRIVE  
EAST HARTFORD, CT 06108  
PHONE: (860) 549-3739  
**LEGAL/REGULATORY COUNSEL:** KENNETH C. BALDWIN ESQ.  
ROBINSON + COLE LLP  
(860)275-8345  
**LATITUDE:** N41° 17' 24.810"  
**LONGITUDE:** W73° 29' 51.342"

SCOPE OF WORK INFO.

1. THE PROPOSED SCOPE OF WORK GENERALLY INCLUDES THE INSTALLATION OF (3) SECTORS WITH (2) ANTENNAS EACH, FOR A TOTAL OF (6) ANTENNAS, ASSOCIATED CABLES AND APPURTENANCES MOUNTED TO PROPOSED PIPE MAST WITHIN PROPOSED ANTENNA CONCEALMENT ENCLOSURE.
2. THE PROPOSED CELLO PARTNERSHIP EQUIPMENT WILL BE INSTALLED IN FIRST FLOOR TELCO ROOM WITHIN EXISTING BUILDING.
3. POWER AND TELCO UTILITIES DEPICTED HEREIN ARE TENTATIVE. FINAL ROUTING TO BE DETERMINED DURING THE CONSTRUCTION DOCUMENT PHASE OF PROJECT.
4. THE PROPOSED WIRELESS FACILITY INSTALLATION WILL BE DESIGNED IN ACCORDANCE WITH THE 2003 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2009 CONNECTICUT SUPPLEMENT.

SHEET INDEX

SHT. NO.	DESCRIPTION
T-1	TITLE SHEET
C-1	ABUTTERS PLAN
C-2	ROOF PLAN, ELEVATION & ANTENNA CONFIG.



1600 OSGOOD STREET  
 BUILDING 20 NORTH, SUITE 3090 TEL: (978) 557-5553  
 N. ANDOVER, MA 01845 FAX: (978) 336-5586



*Daniel P. Hamon*

CHECKED BY: DJR

APPROVED BY: DPH

**SUBMITTALS**

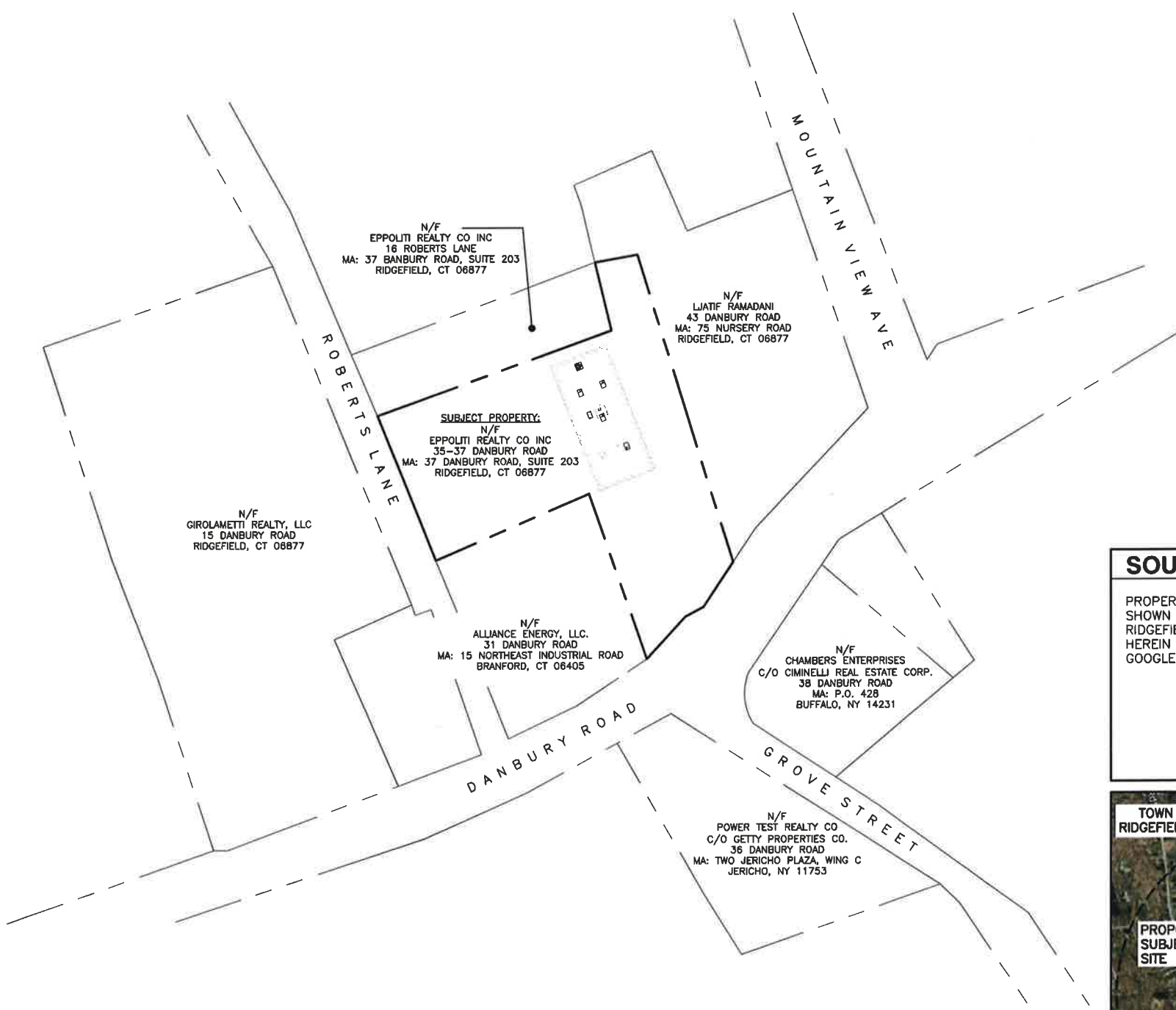
REV.	DATE	DESCRIPTION	BY
0	12/09/16	ISSUED FOR REVIEW	GC

SITE NAME:  
**RIDGEFIELD 5 CT**

SITE ADDRESS:  
 35-37 DANBURY ROAD  
 RIDGEFIELD, CT 06877

SHEET TITLE  
**ABUTTERS MAP**

SHEET NUMBER  
**C-1**

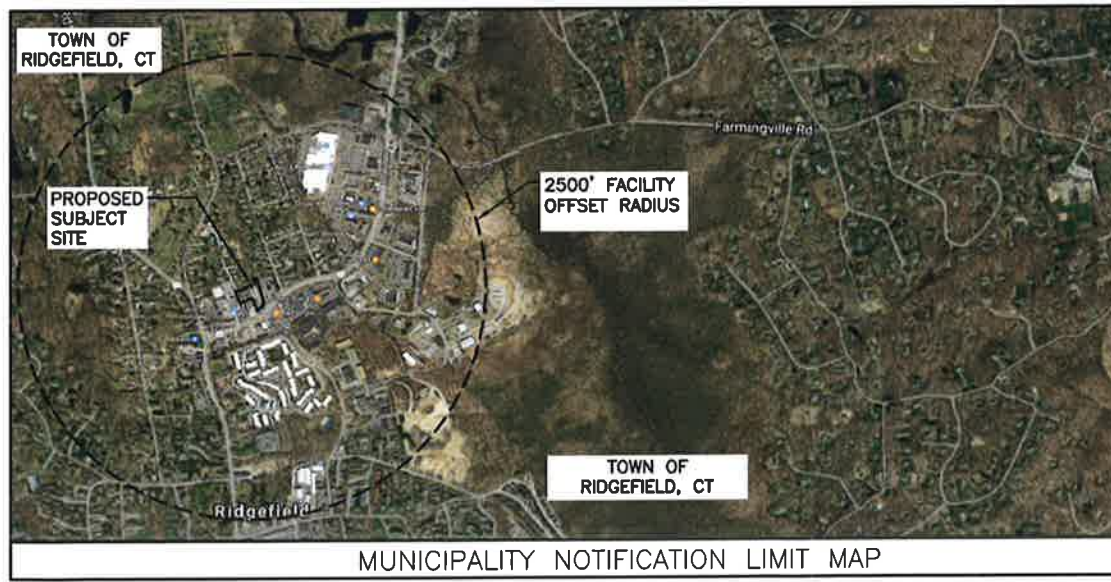


**SOURCE:**

PROPERTY LINES AND PROPERTY OWNER INFORMATION SHOWN HEREIN ARE REFERENCED FROM THE TOWN OF RIDGEFIELD GIS DATA BASE. SITE FEATURES SHOWN HEREIN ARE REFERENCED FROM AVAILABLE MAPPING ON GOOGLE EARTH PRO.

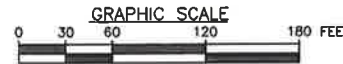
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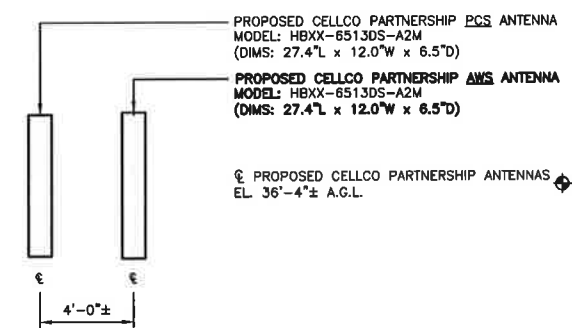
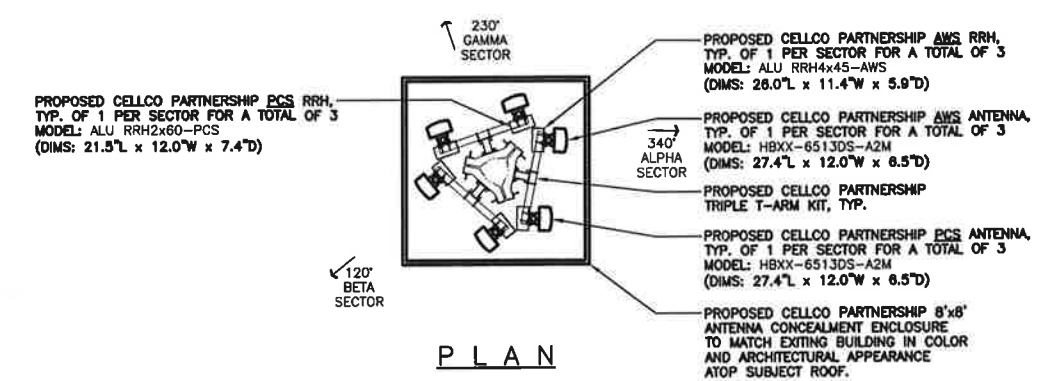
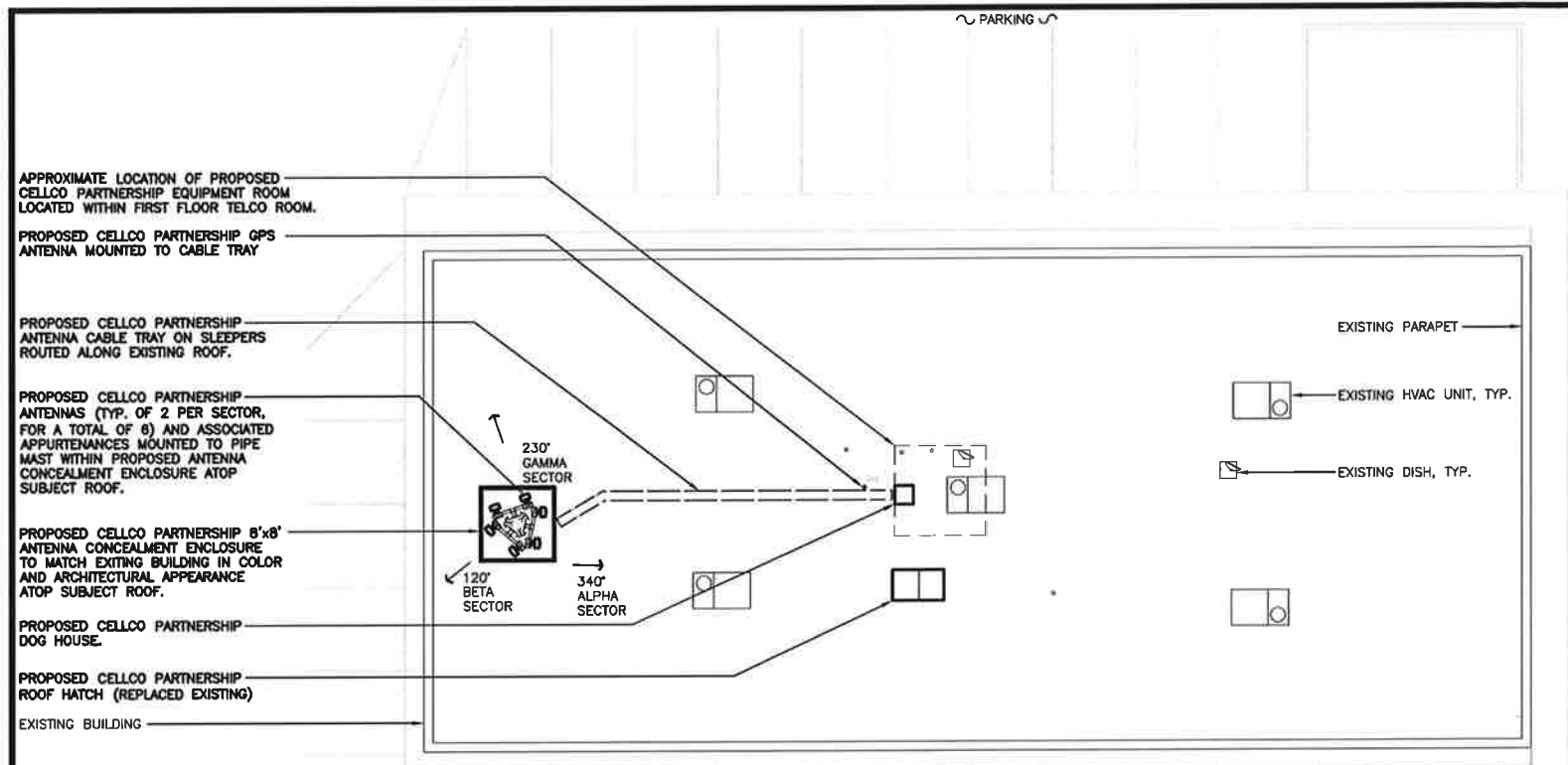
- PROPERTY LINE-SUBJECT PARCEL
- PROPERTY LINE-ABUTTERS
- STATE LINE
- CONTOUR LINE
- DELINEATED WETLAND LINE
- (E) BUILDING
- xxx-xx ASSESSORS MAP-BLOCK-LOT NO.
- (E) TREE LINE



**ABUTTERS MAP**  
 22x34 SCALE: 1"=60'-0"  
 11x17 SCALE: 1"=120'-0"

1  
 C-1

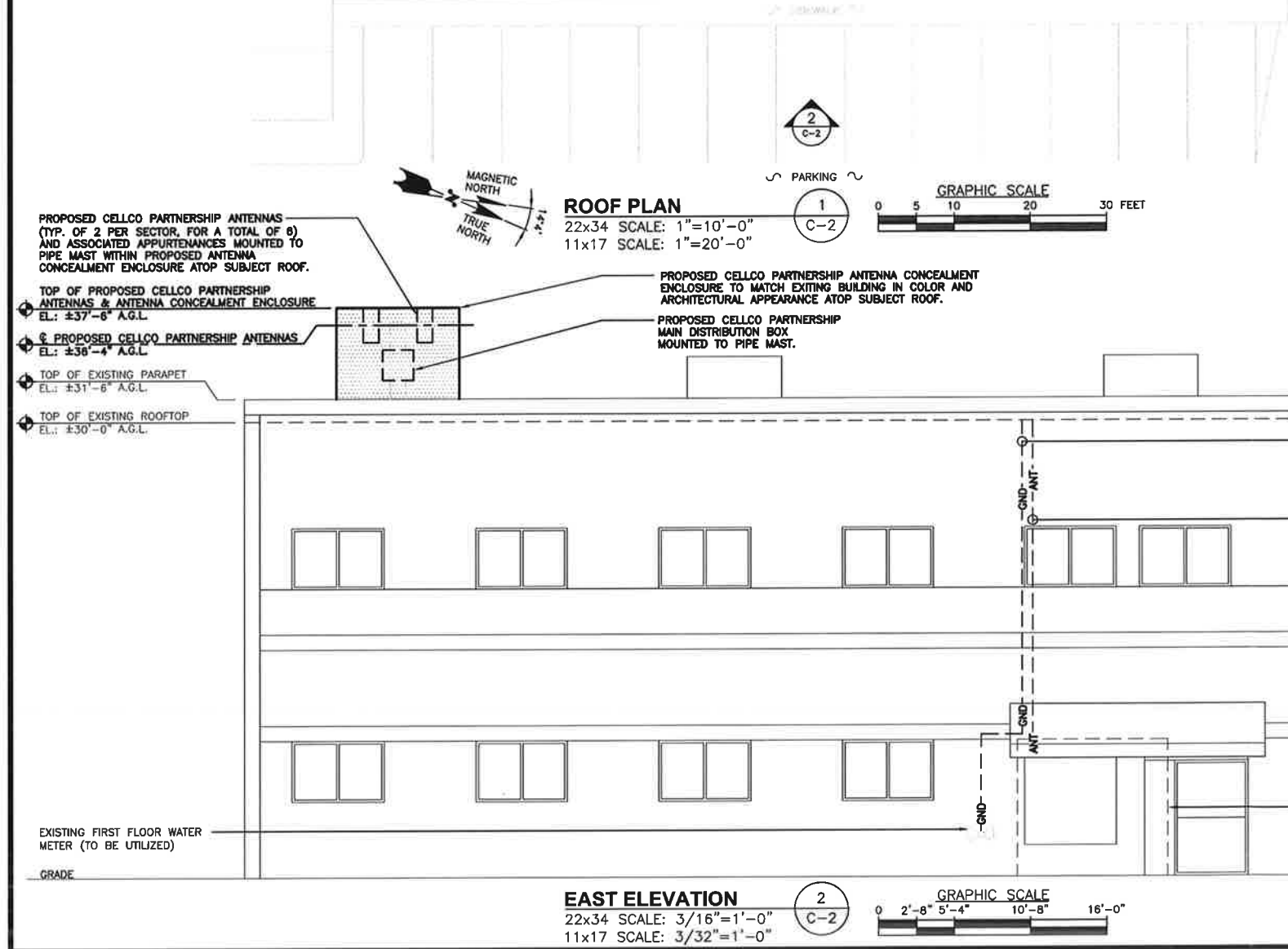




**RRH/DISTRIBUTION BOX MOUNTING NOTE**

- AWS RRH MODEL: ALU RRH4x45-AWS (DIMS: 26.0'L x 11.4'W x 5.9'D) (TYP. OF 1 PER SECTOR)
- PCS RRH MODEL: ALU RRH2x60-PCS (DIMS: 21.5'L x 12.0'W x 7.4'D) (TYP. OF 1 PER SECTOR)
- MAIN DISTRIBUTION BOX MODEL: DB-T1-6Z-8AB-OZ (DIMS: 24.0'L x 24.0'W x 10.0'D) (TYP. OF 1).

ANTENNAS, RRHs AND MAIN DISTRIBUTION BOXES PIPE MOUNTED TO T-ARMS.



**TYP. ANTENNA MOUNTING CONFIGURATION** 3 C-2  
SCALE: N.T.S.



CHECKED BY: DJR

APPROVED BY: DPH

**SUBMITTALS**

REV.	DATE	DESCRIPTION	BY
0	12/09/16	ISSUED FOR REVIEW	GC

SITE NAME:  
**RIDGEFIELD 5 CT**

SITE ADDRESS:  
35-37 DANBURY ROAD  
RIDGEFIELD, CT 06877

SHEET TITLE  
**ROOF PLAN,  
ELEVATION &  
ANTENNA CONFIG.**

SHEET NUMBER  
**C-2**

# **ATTACHMENT 3**

# Product Specifications

COMMScope®

HBXX-6513DS-VTM

Andrew® Quad Port Antenna, 1710–2170 MHz, 65° horizontal beamwidth, RET compatible

POWERED BY



## Electrical Specifications

Frequency Band, MHz	1710–1880	1850–1990	1920–2170
Gain, dBi	14.5	14.6	14.9
Beamwidth, Horizontal, degrees	67	66	64
Beamwidth, Vertical, degrees	14.8	14.0	13.4
Beam Tilt, degrees	0–12	0–12	0–12
USLS, dB	15	15	15
Front-to-Back Ratio at 180°, dB	30	30	30
Front-to-Back Total Power at 180° ± 30°, dB	26	27	27
CPR at Boresight, dB	22	22	22
CPR at Sector, dB	7	8	8
Isolation, dB	30	30	30
VSWR   Return Loss, dB	1.4   15.6	1.4   15.6	1.4   15.6
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150
Input Power per Port, maximum, watts	350	350	350
Polarization	±45°	±45°	±45°

## Electrical Specifications, BASTA\*

Frequency Band, MHz	1710–1880	1850–1990	1920–2170
Gain by all Beam Tilts, average, dBi	14.2	14.3	14.6
Gain by all Beam Tilts Tolerance, dB	±0.8	±0.7	±0.7
Gain by Beam Tilt, average, dBi	0°   14.6	0°   14.7	0°   15.0
	6°   14.4	6°   14.5	6°   14.7
	12°   13.5	12°   13.7	12°   13.8
Beamwidth, Horizontal Tolerance, degrees	±3.7	±3.3	±3.5
Beamwidth, Vertical Tolerance, degrees	±1.4	±0.9	±1.1
USLS, dB	15	15	16
CPR at Boresight, dB	22	22	22
CPR at Sector, dB	7	8	8

\* 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.](#)

## Mechanical Specifications

Color   Radome Material	Light gray   PVC, UV resistant
Connector Interface   Location   Quantity	7-16 DIN Female   Bottom   4
Wind Loading, maximum	223.0 N @ 150 km/h 50.1 lbf @ 150 km/h
Wind Speed, maximum	241.0 km/h   149.8 mph
Antenna Dimensions, L x W x D	695.0 mm x 305.0 mm x 166.0 mm   27.4 in x 12.0 in x 6.5 in
Net Weight	7.9 kg   17.4 lb
Model with factory installed AISG 2.0 RET	HBXX-6513DS-A2M

# ALCATEL-LUCENT B25 RRH4X30

Alcatel-Lucent Band 25 Remote Radio Head 4x30W is the new addition of Remote Radio Head to the extended product line of Alcatel-Lucent's distributed Base Station solutions, aimed at facilitating smooth RF site acquisition and related civil engineering.

**Supporting 2Tx/4Tx MIMO and 4-way Rx diversity**, Alcatel-Lucent B25 RRH4x30 allows operators to have a compact radio solution to deploy LTE in the PCS band (1.9 GHz, 3GPP band 25), providing them with the means to achieve high capacity, high quality and high coverage with minimum site requirements.

The Alcatel-Lucent B25 RRH4x30 product has four transmit RF paths, offering the possibility to **select, via software only, 2Tx or 4Tx MIMO configurations** with either 2x60 W or 4x30 W RF output power. It supports also 4-way Rx diversity, LTE carriers from 3 MHz up to 20 MHz and up to 65 MHz instantaneous bandwidth.

The Alcatel-Lucent B25 RRH4x30 is a near zero-footprint solution and operates noise free, simplifying negotiations with site property owners and minimizing environmental impacts.

Its compactness and slim design makes the Alcatel-Lucent B25 RRH4x30 easy to install close to the antenna: operators can therefore locate this Remote Radio Head where RF design conditions are deemed ideal, minimizing trade-offs between available sites and RF optimum sites, together with reducing the RF feeder needs and installation costs.

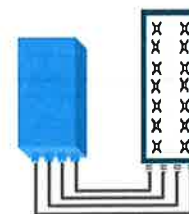


## FEATURES

- Supporting LTE in 1.9 GHz band (PCS, 3GPP band 2 & 25)
- LTE 2Tx or 4Tx MIMO (SW switchable)
- Output power: Up to 2x60W or 4x30W
- Ready for 3, 5, 10, 15 or 20MHz LTE carrier operation with 4Rx Diversity
- Ready to support up to 4 carriers anywhere in 65MHz instantaneous bandwidth
- Convection-cooled (fan-less)
- Supports AISG 2.0 devices (RET, TMA) through RS485 or RF ports

## BENEFITS

- Compact to reduce additional footprint when adding LTE in PCS band
- MIMO scheme operation selection (2Tx or 4Tx) by software only
- Full flexibility for multiple carriers operation over entire PCS spectrum
- Improves downlink spectral efficiency and cell edge throughput through MIMO4
- Increases LTE coverage thanks to 4-way Rx diversity capability and best in class Rx sensitivity
- Flexible mounting options (Pole or Wall)



4x30W with 4T4R  
or  
2x60W with 2T4R

Can be switched between modes via SW w/o site visit

## TECHNICAL SPECIFICATIONS

Features & performance	
<b>Number of TX/RX paths</b>	4 duplexed (either 4T4R or 2T4R by SW)
<b>Frequency band</b>	3GPP bands 2 & 25 (PCS-G) DL: 1930 - 1995 MHz UL: 1850 - 1915 MHz
<b>Instantaneous bandwidth - #carriers</b>	65MHz – Up to 4 LTE carriers (in 40MHz occupied bandwidth)
<b>LTE carrier bandwidth</b>	3, 5, 10, 15 or 20 MHz
<b>RF output power</b>	2x60W or 4x30W (by SW)
<b>Noise figure (3GPP band 2)</b>	2.0 dB typ. (<2.5 dB max)
<b>RX Diversity scheme</b>	2 or 4 way Rx diversity
<b>Sizes (HxWxD)(w/ solar shield) in mm (in.)</b>	538 x 304 x 182 (21.2" x 12.0" x 7.2")
<b>Volume (w/ solar shield) in L</b>	30
<b>Weight (w/ solar shield) in kg (lb)</b>	24 (53)
<b>DC voltage range</b>	-40.5 to -57V at full performance, -38 to -57V with relaxation on power consumption
<b>DC power consumption</b>	580W typical @100% RF load
<b>Environmental conditions</b>	-40°C (-40°F) / +55°C (+131°F) IP65
<b>Wind load (@150km/h or 93mph)</b>	Frontal: <200N / Lateral :<150N
<b>Antenna ports</b>	4 ports 7/16 DIN female (50 ohms) VSWR < 1.5 (> 14dB)
<b>CPRI ports</b>	2 CPRI ports (HW ready for Rate7 / 9.8 Gbps)
<b>AISG interfaces</b>	1 AISG2.0 output (RS485), +24V/2A DC power Integrated Smart Bias Tees (x2)
<b>Misc. Interfaces</b>	1 external alarms connector (4 alarms) 4 RF Tx & 4 RF Rx monitor ports 1 DC connector (2 pins)
<b>Installation conditions</b>	Pole and wall mounting
<b>Regulatory compliance</b>	3GPP 36.141 / 3GPP 36.113 / GR-1089-CORE / GR-3108-CORE / UL 60950-1 / FCC Part 27

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# ALCATEL-LUCENT B66A RRH4X45

The Alcatel-Lucent B66a Remote Radio Head 4x45 is the newest addition of Remote Radio Head to the extended product line of Alcatel-Lucent's distributed Base Station solutions, aimed at facilitating smooth RF site acquisition and related civil engineering. Its operational range covers beyond that of B4 (AWS) and B10 (AWS+).

**Supporting 2Tx/4Tx MIMO and 2-way/4-way Rx diversity**, the Alcatel-Lucent B66a RRH4x45 allows operators to have a compact radio solution to deploy LTE in the 2100 band (3GPP band 4, 10, and 66), providing them with the means to achieve high capacity, high quality, high reliability, large instantaneous bandwidth, and high coverage with minimum site requirements.

The Alcatel-Lucent B66a RRH4x45 product has four transmit RF paths, offering the possibility to **select, via software only, 2Tx or 4Tx MIMO configurations** with either 2x90W or 4x45W RF output power. It also supports 4-way Rx diversity at the 70 MHz instantaneous bandwidth.



The Alcatel-Lucent B66a RRH4x45 is a compact (near zero-footprint) solution and operates noise free, simplifying negotiations with site property owners and minimizing environmental impacts.

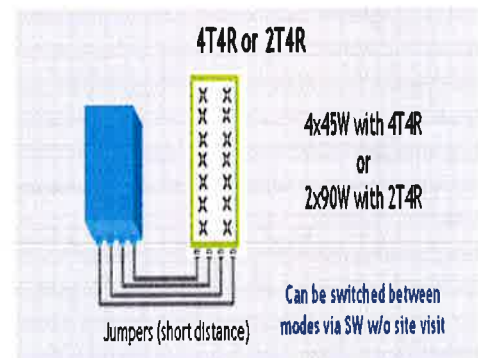
Its compactness and slim design makes the Alcatel-Lucent B66a RRH4x45 easy to install close to the antenna: operators can therefore locate this Remote Radio Head where RF design conditions are deemed ideal, minimizing trade-offs between available sites and RF optimum sites, together with reducing the RF feeder needs and installation costs.

## FEATURES

- Supporting LTE in 2110 - 2180 MHz band/DL, 1710-1780MHz/UL (3GPP band 4, 10, and 66a)
- LTE 2Tx or 4Tx MIMO (SW selectable)
- Configuration: 2T2R/2T4R/4T4R
- Output power: Up to 2x90W or 4x45W (SW configurable)
- 70MHz LTE carrier with 4Rx Diversity
- Convection-cooled (fan-less)
- Supports AISG 2.0 ALD devices (RET, TMA) through RS485 or RF ports

## BENEFITS

- Compact to reduce additional footprint when adding LTE in AWS 1-3 band
- Selection of MIMO configuration (2Tx or 4Tx) by software only
- Improves downlink spectral efficiency through 4Tx MIMO
- Increases LTE coverage thanks to 4Rx diversity capability and best in class Rx sensitivity
- Flexible mounting options: Pole or Wall



## TECHNICAL SPECIFICATIONS

Features & Performance	
<b>Number of TX/RX paths</b>	4 duplexed (either 4T4R or 2T4R selectable by SW)
<b>Frequency band</b>	AWS 1-3, B4/B66a DL: 2110-2180 MHz / UL: 1710-1780 MHz
<b>Instantaneous bandwidth - #carriers</b>	70 MHz – 4 LTE MIMO carriers (In 70 MHz occupied bandwidth)
<b>LTE carrier bandwidth</b>	5, 10, 15, 20 MHz
<b>RF output power</b>	2x90W or 4x45W (selectable by SW)
<b>Noise figure – RX Diversity scheme</b> <b>Receiver Sensivity (FRC A1-3)</b>	2 dB typical (<2.5 dB max) – 2 or 4 way Rx diversity -104.5 dBm maximum
<b>Sizes (HxWxD) in mm (in.)</b>	655x299x182 (25.8x11.8x7.2) (with solar shield) 640x290x160 (25.2x11.4x6.3) (without solar shield)
<b>Volume in Liters</b>	35.5 (with solar shield) 29.7 (without solar shield)
<b>Weight in kg (lb) (w/o mounting HW)</b>	25.8kg (56.8lb) (with solar shield)
<b>DC voltage range</b>	Nominal: -48V, -40.5 to -57V at full performance, -38 to -57V with relaxation on power consumption
<b>DC power consumption</b>	750W typical @100% RF load (in 2Tx or 4Tx mode); Add 58W for 2A*29V for AISG
<b>Environmental conditions</b>	-40°C (-40°F) / +55°C (+131°F) UL50E Type 4 Enclosure
<b>Wind load (@150km/h or 93mph)</b>	250N (56lb) Frontal/150N (34lb) Lateral
<b>Antenna ports</b>	4 ports 4.3-10 female (50 ohms) VSWR < 1.5
<b>CPRI ports</b>	2 CPRI ports (HW ready for Rate 7, 9.8 Gbps) SFP: SMDF (HW supports also SMSF and MMDF)
<b>AISG interfaces</b>	1 AISG 2.0 output (RS485) Integrated Smart Bias Tees (x2)
<b>Misc. Interfaces</b>	4 external alarms (1 connector) 1 DC connector (2 pins)
<b>Installation conditions</b>	Pole and wall mounting
<b>Regulatory compliance</b>	3GPP 36.141 / 3GPP 36.113 / GR-487 / GR-1089-CORE / GR-3108-CORE / UL 60950-1 / FCC Part 27 / FCC Part 15 / GR-3178-CORE

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# **ATTACHMENT 4**

# Visual Assessment and Photo-Simulations



RIDGEFIELD 5 CT  
37 DANBURY ROAD  
RIDGEFIELD, CT 06877

Prepared in October 2016 by:  
All-Points Technology Corporation, P.C.  
3 Saddlebrook Drive  
Killingworth, CT 06141

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 wireless telecommunications Facility at 37 Danbury Road (State Highway 35) in Ridgefield, Connecticut (the "Property").

## **Project Setting**

The Property is located north of Danbury Road and is developed with a two-story, masonry commercial building. The proposed Verizon Wireless Facility design includes multiple antennas and appurtenances mounted to a pipe-mast on the south side of the building's rooftop concealed behind a radio frequency-transparent screen wall. The concealment screens would extend approximately six (6) feet above the roof's parapet wall. Associated equipment would be located within a dedicated room on the building's first level. All associated electrical and telco lines would be routed interior to the building. The Facility's equipment would not be visible from exterior locations.

## **Methodology**

On September 29, 2016, APT personnel conducted field reconnaissance and photo-documented existing conditions. Several nearby locations were selected to depict existing and proposed conditions. These locations also represent the approximate limits of visibility associated with the proposed installation. 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, with the lens set to 50 mm to present a consistent field of view.

Three-dimensional computer models were developed for the building and proposed Facility 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.

Four (4) locations were simulated where the proposed concealment screens will be visible; a fifth (5<sup>th</sup>) location depicts the proposed generator area. The simulations are static in nature and do not necessarily fairly

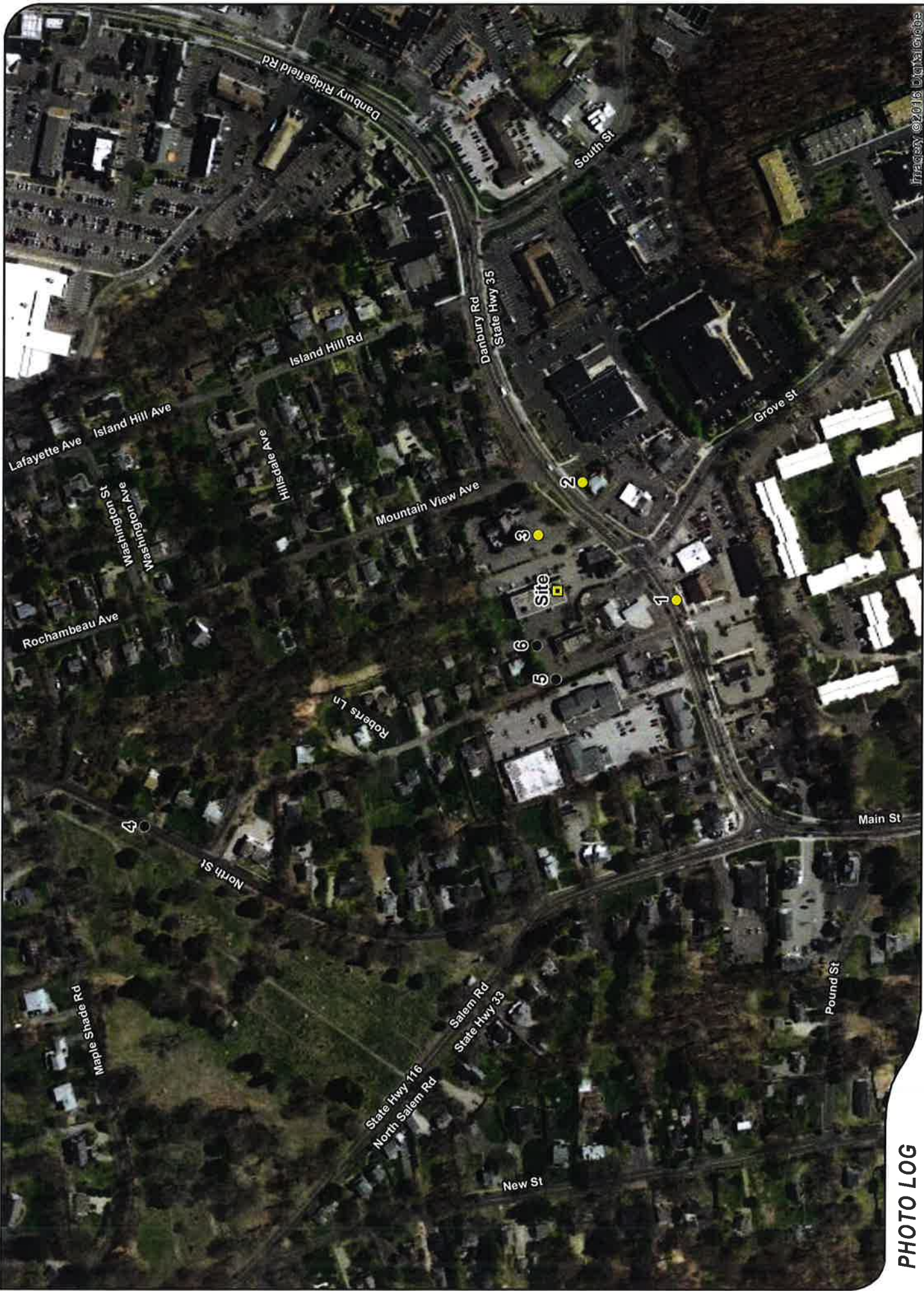
characterize the prevailing views from all locations within a given area. They provide a representation of the proposed Facility under similar settings as those encountered during the field reconnaissance. Views of the Facility can change substantially throughout the seasons as well as the time of day, and are dependent on weather and other atmospheric conditions including but not necessarily limited to haze, fog, and clouds; the location, angle and intensity of the sun; light conditions, and the specific viewer location.

## Conclusions

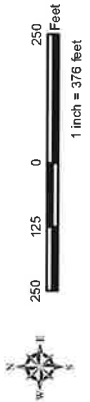
The visibility of the proposed installation would be generally confined to locations along Danbury Road within the immediate vicinity of the building. The combination of the building's location (set back) relative to Danbury Road, the proposed concealment screen and its relatively low height above the roof would result in minimizing the Facility's visibility and appearing to be part of the building architecture.

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.

## **ATTACHMENTS**



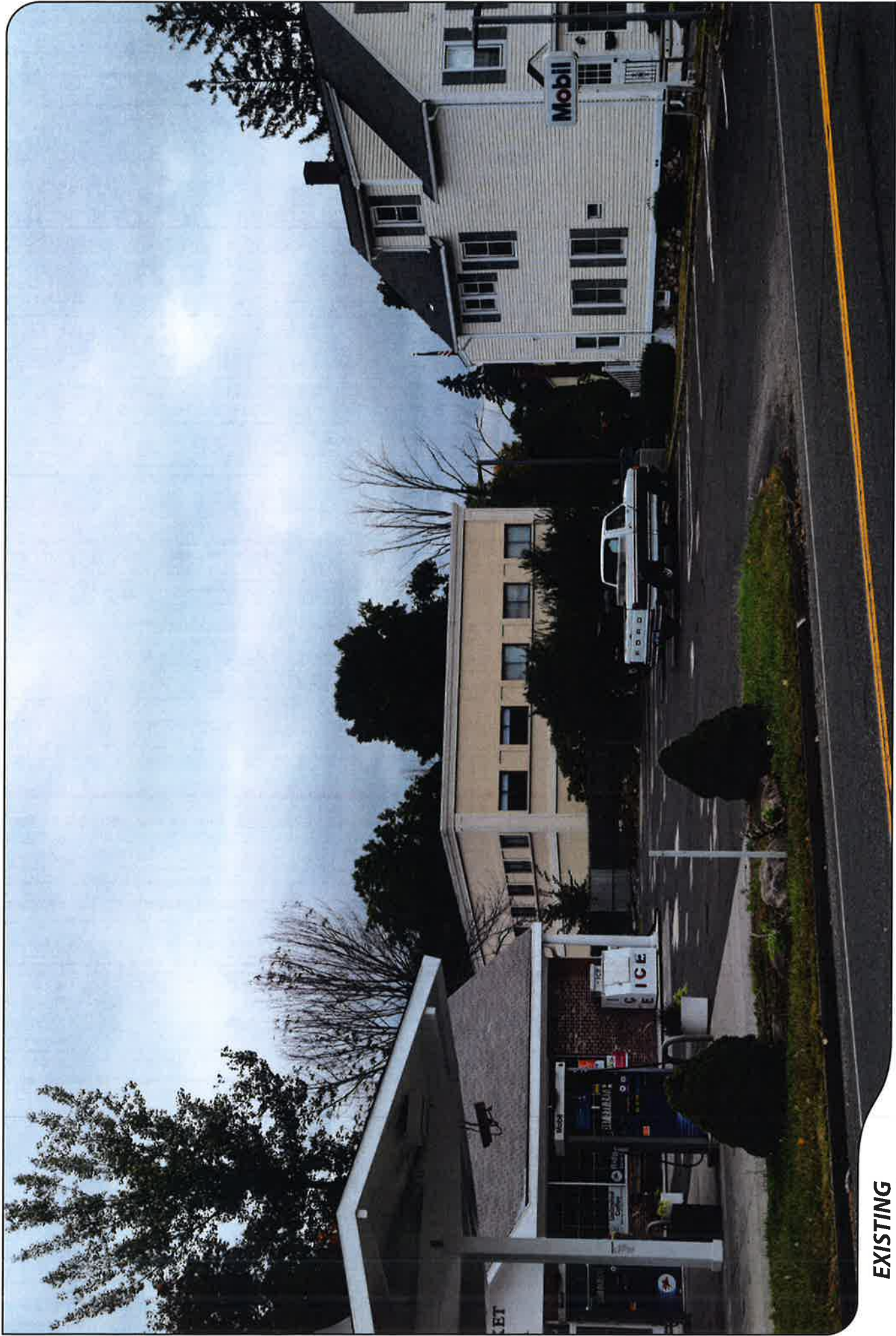
Imagery ©2016 DigitalGlobe



**PHOTO LOG**

- Legend
- Site
  - Year-Round Visibility
  - Not Visible





**EXISTING**

PHOTO

1

LOCATION

**DANBURY ROAD**

ORIENTATION

**NORTH**

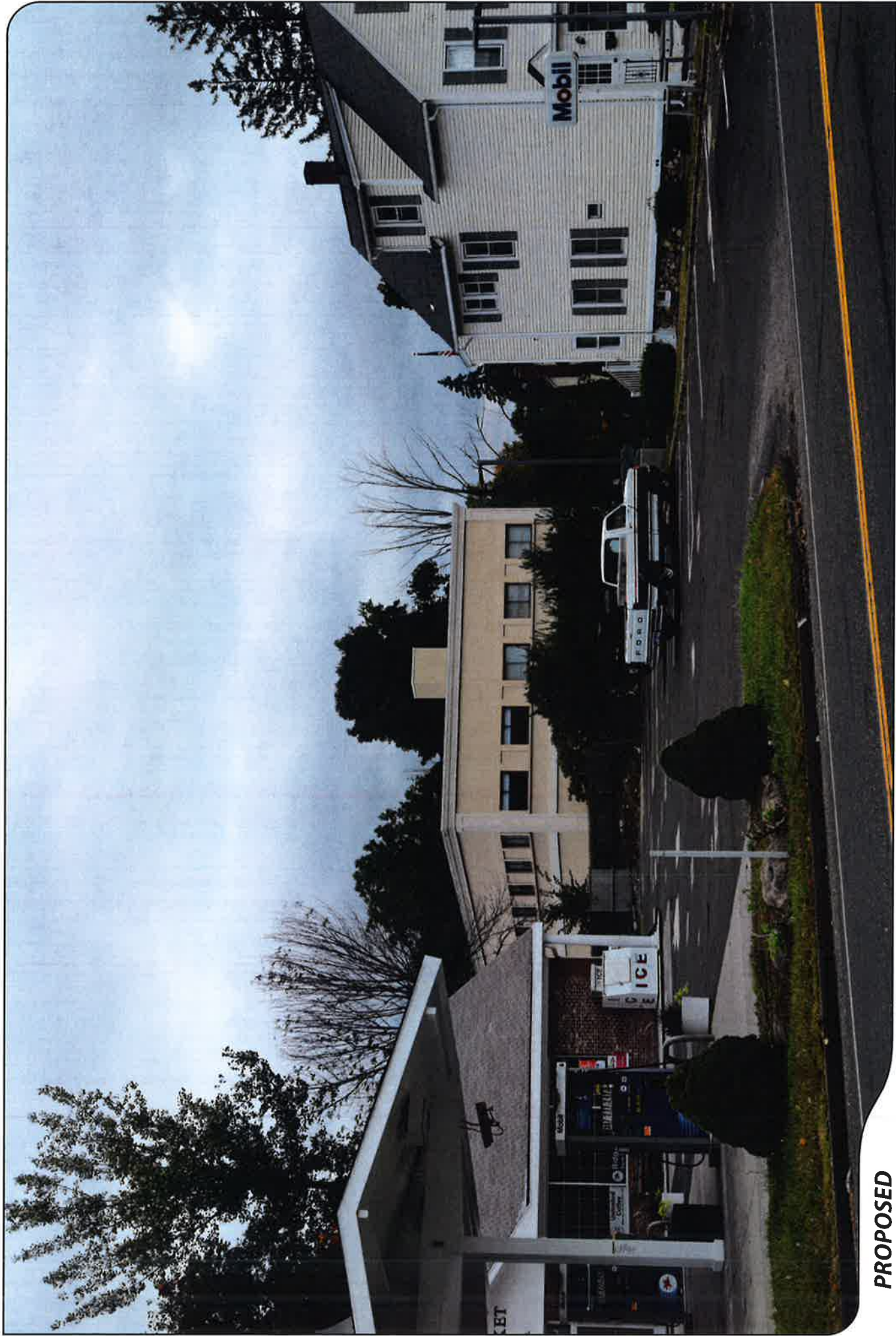
DISTANCE TO SITE

**+/- 274 FEET**



**ALL-POINTS**  
TECHNOLOGY CORPORATION

**verizon**



**PROPOSED**

PHOTO

1

LOCATION

**DANBURY ROAD**

ORIENTATION

**NORTH**

DISTANCE TO SITE

**+/- 274 FEET**



**verizon**



**EXISTING**

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE
2	DANBURY ROAD	NORTHWEST	+/- 256 FEET

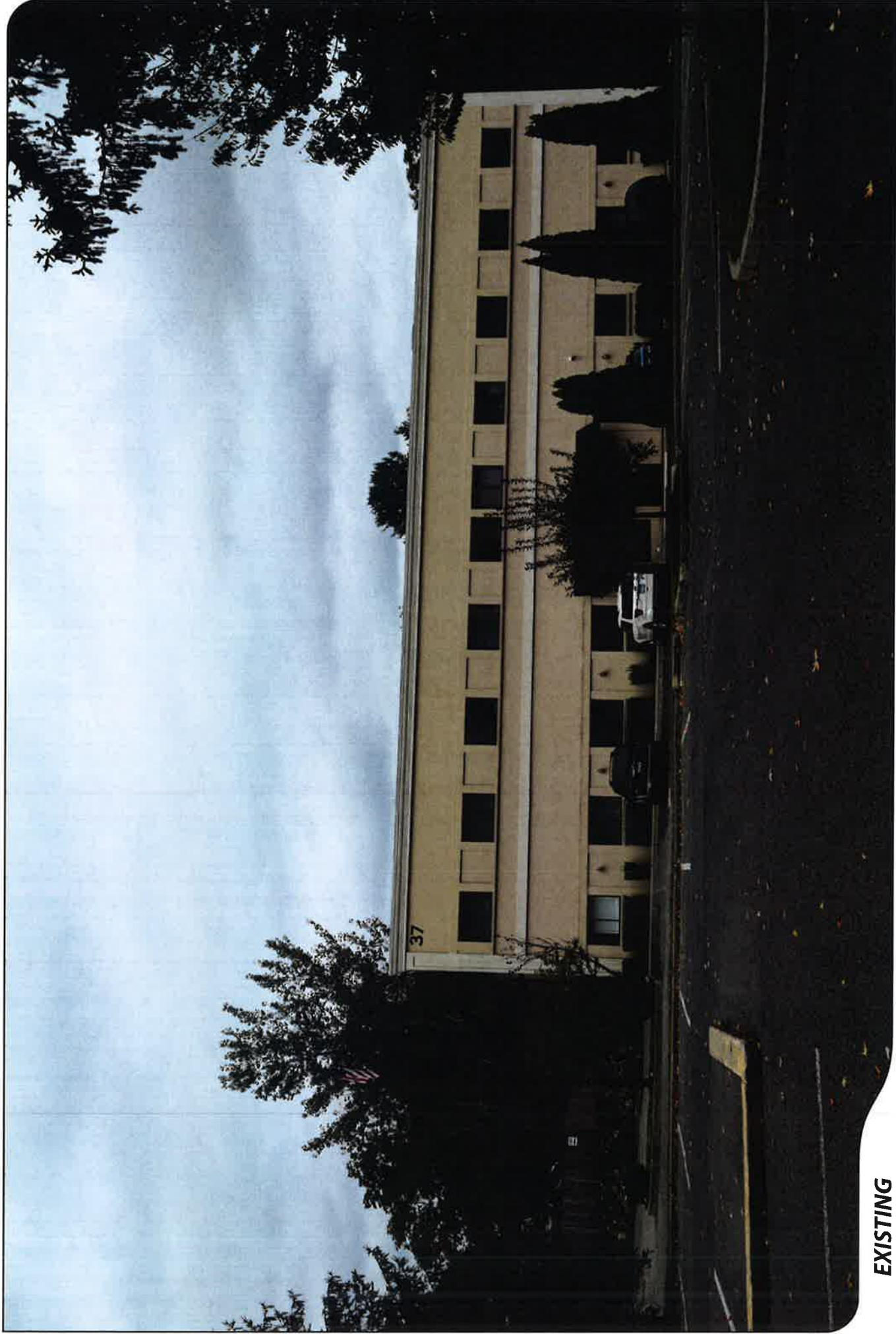




**PROPOSED**

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE
2	DANBURY ROAD	NORTHWEST	+/- 256 FEET





**EXISTING**

PHOTO

3

LOCATION

TOSCANA PARKING LOT ADJACENT TO HOST PROPERTY

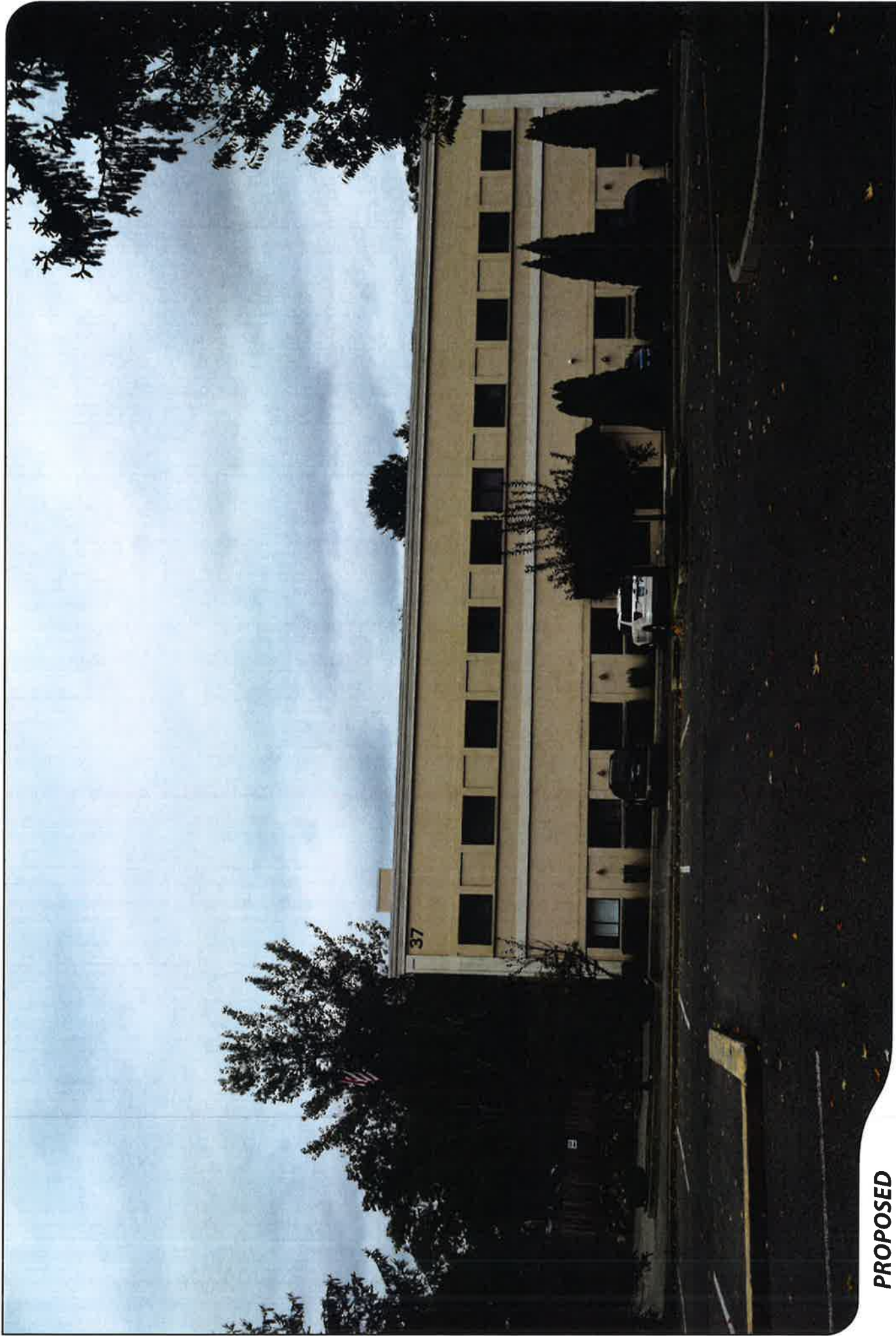
ORIENTATION

**SOUTHWEST**

DISTANCE TO SITE

**+/- 135 FEET**





**PROPOSED**

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE
3	TOSCANA PARKING LOT ADJACENT TO HOST PROPERTY	SOUTHWEST	+/- 135 FEET





**NOT VISIBLE FROM THIS LOCATION**

**EXISTING**

PHOTO

4

LOCATION

**NORTH STREET**

ORIENTATION

**SOUTHEAST**

DISTANCE TO SITE

**+/- 0.20 MILE**



ALL-POINTS  
TECHNOLOGY CORPORATION

**verizon**



**NOT VISIBLE FROM THIS LOCATION**

**EXISTING**

PHOTO

5

LOCATION

**ROBERTS LANE**

ORIENTATION

**EAST**

DISTANCE TO SITE

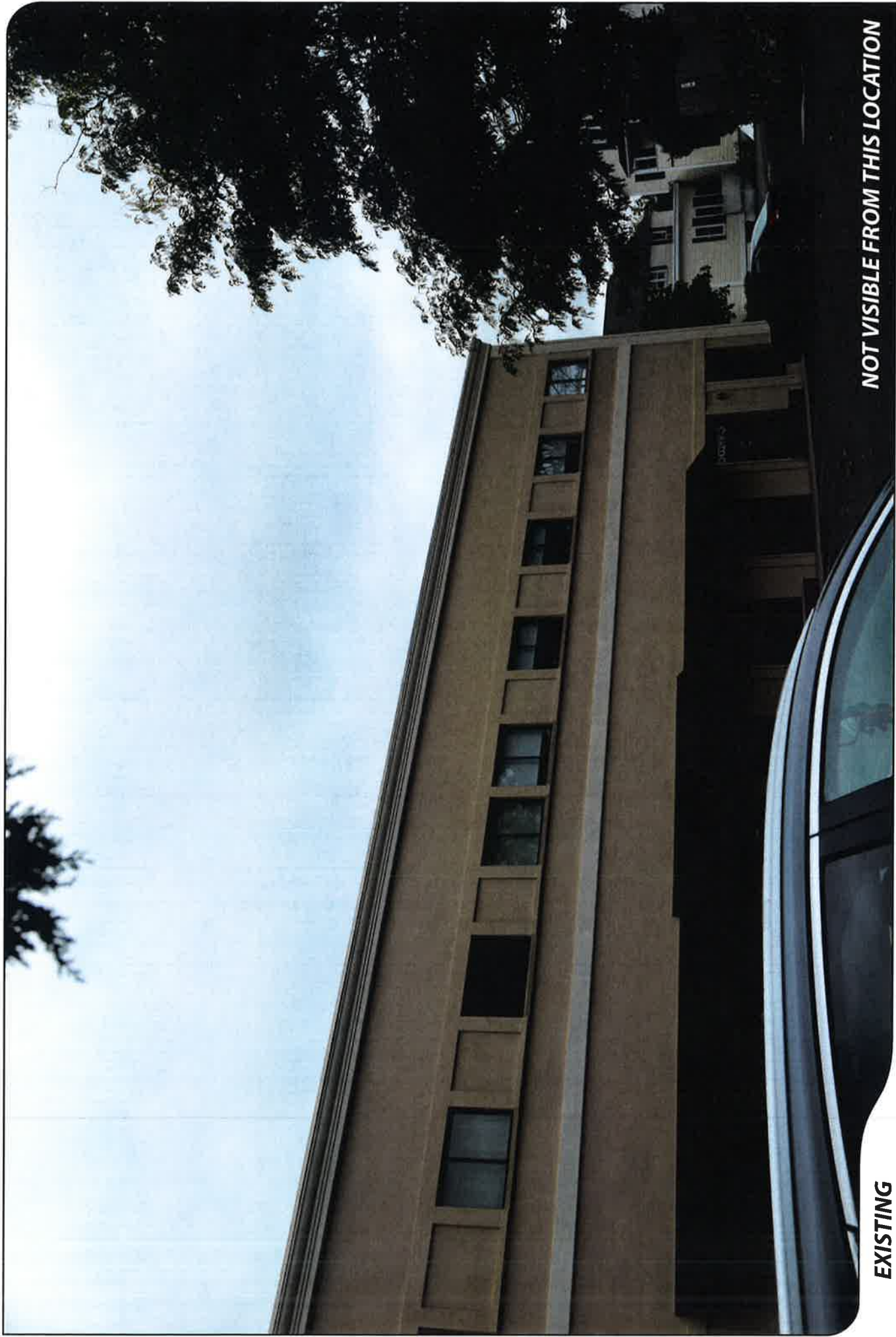
**+/- 203 FEET**



ALL-POINTS  
TECHNOLOGY CORPORATION







**NOT VISIBLE FROM THIS LOCATION**

**EXISTING**

PHOTO

**6**

LOCATION

**HOST PROPERTY**

ORIENTATION

**SOUTHEAST**

DISTANCE TO SITE

**+/- 140 FEET**



**ALL-POINTS  
TECHNOLOGY CORPORATION**



# **ATTACHMENT 5**



C Squared Systems, LLC  
65 Dartmouth Drive  
Auburn, NH 03032  
(603) 644-2800  
support@csquaredsystems.com

---

Calculated Radio Frequency Emissions Report

**verizon**<sup>v</sup>

Ridgefield 5 CT

37 Danbury Road, Ridgefield, CT 06877

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October 26, 2016

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## 1. Introduction

The purpose of this report is to investigate compliance with applicable FCC regulations for the proposed installation of Verizon Wireless antenna arrays on the rooftop of the building located at 37 Danbury Road in Ridgefield, CT. The coordinates of the building are 41° 17' 24.81" N, 73° 29' 51.34" W.

Verizon is proposing to install the following:

- 1) Install a 6.3' antenna support mast within a stealth enclosure;
- 2) Install three 1900 MHz LTE antennas (one per sector);
- 3) Install three 2100 MHz LTE antennas (one per sector);
- 4) Install six remote radio heads (RRHs) for 1900/2100 MHz LTE (two per sector).

## 2. FCC Guidelines for Evaluating RF Radiation Exposure Limits

In 1985, the FCC established rules to regulate radio frequency (RF) exposure from FCC licensed antenna facilities. In 1996, the FCC updated these rules, which were further amended in August 1997 by OET Bulletin 65 Edition 97-01. These new rules include Maximum Permissible Exposure (MPE) limits for transmitters operating between 300 kHz and 100 GHz. The FCC MPE limits are based upon those recommended by the National Council on Radiation Protection and Measurements (NCRP), developed by the Institute of Electrical and Electronics Engineers, Inc., (IEEE) and adopted by the American National Standards Institute (ANSI).

The FCC general population/uncontrolled limits set the maximum exposure to which most people may be subjected. General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

Public exposure to radio frequencies is regulated and enforced in units of milliwatts per square centimeter ( $\text{mW}/\text{cm}^2$ ). The general population exposure limits for the various frequency ranges are defined in the attached "FCC Limits for Maximum Permissible Exposure (MPE)" in Attachment B of this report.

Higher exposure limits are permitted under the occupational/controlled exposure category, but only for persons who are exposed as a consequence of their employment and who have been made fully aware of the potential for exposure, and they must be able to exercise control over their exposure. General population/uncontrolled limits are five times more stringent than the levels that are acceptable for occupational, or radio frequency trained individuals. Attachment B contains excerpts from OET Bulletin 65 and defines the Maximum Exposure Limit.

Finally, it should be noted that the MPE limits adopted by the FCC for both general population/uncontrolled exposure and for occupational/controlled exposure incorporate a substantial margin of safety and have been established to be well below levels generally accepted as having the potential to cause adverse health effects.

### 3. RF Exposure Prediction Methods

The emission field calculation results displayed in the following figures were generated using the following formula as outlined in FCC bulletin OET 65:

$$\text{Power Density} = \left( \frac{1.6^2 \times \text{EIRP}}{4\pi \times R^2} \right) \times \text{OffBeamLoss}$$

Where:

EIRP = Effective Isotropic Radiated Power

R = Radial Distance =  $\sqrt{H^2 + V^2}$

H = Horizontal Distance from antenna in meters

V = Vertical Distance from radiation center of antenna in meters

Ground reflection factor of 1.6

Off Beam Loss is determined by the selected antenna patterns

These calculations assume that the antennas are operating at 100 percent capacity, that all antenna channels are transmitting simultaneously, and that the radio transmitters are operating at full power. As a result, the predicted signal levels reported below are much higher than the actual signal levels will be from the final site configuration.

### 4. Calculation Results

Table 1 below outlines the power density information for the site. Due to the directional nature of the proposed Verizon antennas, the majority of the RF power is focused out towards the horizon. As a result, there will be less RF power directed below the antennas relative to the horizon, and consequently lower power density levels around the base of the building. Please refer to Attachment C for the vertical patterns of the proposed Verizon antennas.

Carrier	Antenna Height (Feet)	Operating Frequency (MHz)	Number of Trans.	ERP Per Transmitter (Watts)	Power Density (mw/cm <sup>2</sup> )	Limit	%MPE
Verizon	36.3	1900	1	2134	0.8363	1.0000	8.36%
Verizon	36.3	2100	1	3430	1.3442	1.0000	13.44%
<b>Total:</b>							<b>21.81%</b>

Table 1: Carrier Information<sup>1</sup>

<sup>1</sup> Antenna heights listed for Verizon are in reference to the Centek Engineering Site Drawings, dated 9/2/2016.

## 5. Conclusion

The above analysis verifies that emissions from the proposed site configuration will be below the maximum power density levels as outlined by the FCC in the OET Bulletin 65 Ed. 97-01. The highest, cumulative expected percent of Maximum Permissible Exposure at ground level is **21.81% of the FCC Uncontrolled/General Population limit.**

## 6. Statement of Certification

I certify to the best of my knowledge that the statements in this report are true and accurate. The calculations follow guidelines set forth in ANSI/IEEE Std. C95.3, ANSI/IEE Std. C95.1 and FCC OET Bulletin 65 Edition 97-01.



Daniel L. Goulet  
C Squared Systems, LLC

October 26, 2016

Date

## Attachment A: References

OET Bulletin 65 - Edition 97-01 - August 1997 Federal Communications Commission Office of Engineering & Technology

IEEE C95.1-2005, IEEE Standard Safety Levels With Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz IEEE-SA Standards Board

IEEE Std C95.3-2002 (R2008), IEEE Recommended Practice for Measurements and Computations of Radio Frequency Electromagnetic Fields With Respect to Human Exposure to Such Fields, 100 kHz-300 GHz IEEE-SA Standards Board



**Attachment B: FCC Limits for Maximum Permissible Exposure (MPE)**

**(A) Limits for Occupational/Controlled Exposure<sup>2</sup>**

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (E) (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	0.163	1.0	6
300-1500	-	-	f/300	6
1500-100,000	-	-	5	6

**(B) Limits for General Population/Uncontrolled Exposure<sup>3</sup>**

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (E) (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	0.073	0.2	30
300-1500	-	-	f/1500	30
1500-100,000	-	-	1.0	30

f = frequency in MHz \* Plane-wave equivalent power density

**Table 2: FCC Limits for Maximum Permissible Exposure (MPE)**

<sup>2</sup> Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

<sup>3</sup> General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

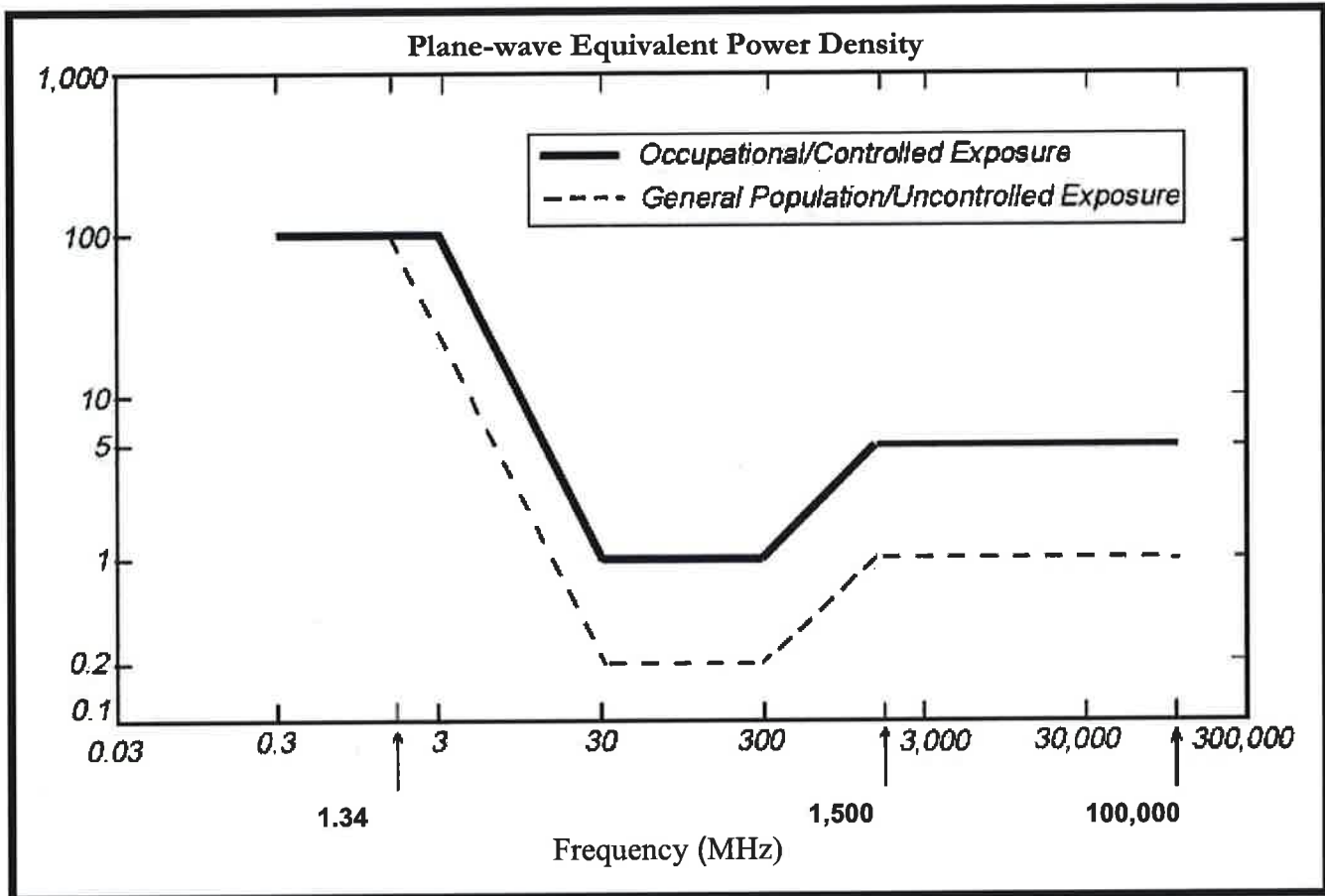
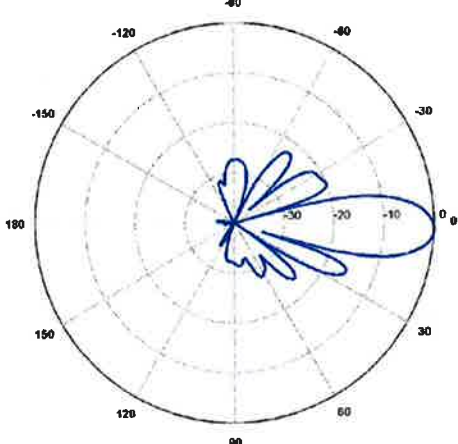
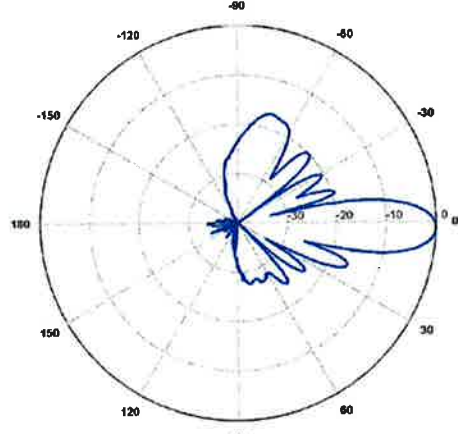


Figure 1: Graph of FCC Limits for Maximum Permissible Exposure (MPE)

**Attachment C: Verizon Wireless' Antenna Model Data Sheets and Electrical Patterns**

<p><b>1900 MHz LTE</b></p> <p>Manufacturer: Commscope          Model #: HBXX-6513DS-A2M_2          Frequency Band: 1850-1990 MHz          Gain: 14.6 dBi          Vertical Beamwidth: 14.0°          Horizontal Beamwidth: 66°          Polarization: ±45°          Size L x W x D: 27.4" x 12.0" x 6.5"</p>	
<p><b>2100 MHz LTE</b></p> <p>Manufacturer: Commscope          Model #: HBXX-6513DS-A2M_2          Frequency Band: 1920-2170 MHz          Gain: 14.9 dBi          Vertical Beamwidth: 13.4°          Horizontal Beamwidth: 64°          Polarization: ±45°          Size L x W x D: 27.4" x 12.0" x 6.5"</p>	

# **ATTACHMENT 6**

RIDGEFIELD\_5\_CT - FAA Analysis.txt  
\*\*\*\*\*  
\* Federal Airways & Airspace \*  
\* Summary Report: Existing Structure \*  
\* Non-Antenna Structure \*  
\*\*\*\*\*

Airspace User: Your Name

File: RIDGEFIELD\_5\_CT

Location: Danbury, CT

Latitude: 41°-16'-51.30"

Longitude: 73°-29'-34.40"

SITE ELEVATION AMSL.....745 ft.

STRUCTURE HEIGHT.....38 ft.

OVERALL HEIGHT AMSL.....783 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 DXR
- FAR 77.9: NNR (No Expected TERPS® impact HPN)
- 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.

The location and analysis were based upon an existing structure. However, no existing aeronautical study number was identified. If the 'existing' structure penetrates an obstruction surface defined by CFR 77.17, 77.19, 77.21 or 77.23 (see below) it is strongly recommended the FAA be notified of the 'existing' structure to determine obstruction marking or lighting requirements. It is not uncommon for the FAA to issue a Determination of No Hazard (DNH) for an existing structure and modify the airspace to accommodate the structure, should that be required. If the FAA issues a DNH enter the aeronautical study number (ASN) in the space provided on the Airspace Analysis Window Form and re-run Airspace.

The below analysis reflects the aeronautical conditions that exist as of the date stamped on this analysis.

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: DXR: DANBURY MUNI  
Type: A RD: 31989.23 RE: 457.4

RIDGEFIELD\_5\_CT - FAA Analysis.txt

FAR 77.17(a)(1): DNE  
 FAR 77.17(a)(2): DNE - Height No Greater Than 200 feet AGL.  
 VFR Horizontal Surface: DNE  
 VFR Conical Surface: DNE  
 VFR Approach Slope: DNE  
 VFR Transitional Slope: DNE

VFR TRAFFIC PATTERN AIRSPACE FOR: HPN: WESTCHESTER COUNTY

Type: A RD: 96338.66 RE: 438.8  
 FAR 77.17(a)(1): DNE  
 FAR 77.17(a)(2): DNE - Greater Than 5.99 NM.  
 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 600 ft AMSL

PRIVATE LANDING FACILITIES

No Private Landing Facilities Are within 6 NM

AIR NAVIGATION ELECTRONIC FACILITIES

APCH BEAR	FAC		ST		DIST	DELTA	GRND
	IDNT	TYPE	AT	FREQ VECTOR			
	CMK	VOR/DME	I	116.6 269.26	24304	+89	NY CARMEL .21
	HPN	RADAR	ON	2735. 218.85	97487	+273	NY WESTCHESTER COUNT .16

No Impact. Existing Structures Do Not Require Notice based upon EMI. The FAA takes into account and adjusts radar facilities for reflection, clutter and false targets. The studied location is within 20 NM of an Air Traffic Radar facility.  
 The calculated Radar Line-Of-Sight (LOS) distance is: 62 NM.  
 This location and height is within the Radar Line-Of-Sight.

	BDR	VOR/DME	R	108.8 113.5	110422	+774	CT BRIDGEPORT .40
	IGN	VOR/DME	R	117.6 327.32	166665	+201	NY KINGSTON .07
	HVN	VOR/DME	R	109.8 92.52	167202	+777	CT NEW HAVEN .27
	PWL	VOR/DME	I	114.3 350.64	180542	-467	NY PAWLING -.15
	SWF	RADAR	Y	2765. 294.63	184700	+62	NY STEWART INTERNATI .02
	DPK	VOR/DME	I	117.7 163.73	185725	+660	NY DEER PARK .20
	ISP	RADAR	ON	2735. 147.75	204690	+601	NY LONG ISLAND MacAR .17
	LGA	VOR/DME	R	113.1 209.65	208718	+774	NY LA GUARDIA .21
	KOKX	RADAR WXL	Y	131.31 230179		+588	NY NEW YORK .15

RIDGEFIELD\_5\_CT - FAA Analysis.txt

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: WAXB @ 1199 meters.

Airspace® Summary Version 16.9.424

AIRSPACE® and TERPS® are registered ® trademarks of Federal Airways & Airspace®  
Copyright © 1989 - 2016

09-29-2016  
11:22:13

# **ATTACHMENT 7**



December 14, 2016

*Via Certificate of Mailing*

Rudy Marconi, First Selectman  
Town of Ridgefield  
400 Main Street  
Ridgefield, CT 06877

Re: **Proposed Installation of a Wireless Telecommunications Facility at  
37 Danbury Road, Ridgefield, Connecticut**

Dear Mr. Marconi:

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 telecommunications facility at 37 Danbury Road in Ridgefield (the “Property”). The facility will consist of a small tower, supporting six (6) antennas and six (6) remote radio heads (RRHs) on the roof of the two-story office building on the Property. The tower, antennas and RRHs would be surrounded by a screening enclosure. The top of the antennas and screening enclosure would extend to a height of 37’-6” above grade, approximately 6’ above the building’s parapet wall. Equipment associated with the facility will be located inside the office 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.

15354663-v1

# Robinson + Cole

Rudy Marconi, First Selectman  
December 14, 2016  
Page 2

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

Sincerely,



Kenneth C. Baldwin

Attachment

December 14, 2016

*Via Certificate of Mailing*

Eppoliti Realty Co., Inc.  
37 Danbury Road, Suite 203  
Ridgefield, CT 06877

Re: **Proposed Installation of a Wireless Telecommunications Facility at  
37 Danbury Road, Ridgefield, Connecticut**

Dear Sir or Madam:

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 telecommunications facility at 37 Danbury Road in Ridgefield (the “Property”). The facility will consist of a small tower, supporting six (6) antennas and six (6) remote radio heads (RRHs) on the-roof of the two-story office building on the Property. The tower, antennas and RRHs would be surrounded by a screening enclosure. The top of the antennas and screening enclosure would extend to a height of 37’-6” above grade, approximately 6’ above the building’s parapet wall. Equipment associated with the facility will be located inside the office 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.


15354670-v1

# Robinson+Cole

Eppoliti Realty Co., Inc.  
December 14, 2016  
Page 2

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

Sincerely,



Kenneth C. Baldwin

Attachment

# **ATTACHMENT 8**

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

December 14, 2016

*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 37 Danbury Road, Ridgefield, 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 telecommunications facility at 37 Danbury Road in Ridgefield (the “Property”). The facility will consist of a small tower, supporting six (6) antennas and six (6) remote radio heads (RRHs) on the roof of the two-story office building on the Property. The tower, antennas and RRHs would be surrounded by a screening enclosure. The top of the antennas and screening enclosure would extend to a height of 37’-6” above grade, approximately 6’ above the building’s parapet wall. Equipment associated with the facility will be located inside the office 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.

December 14, 2016  
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Sincerely,

A handwritten signature in black ink, appearing to read "Kenneth C. Baldwin". The signature is written in a cursive style with a long horizontal flourish at the end.

Kenneth C. Baldwin

Attachment

**CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS**

**ABUTTING PROPERTY OWNERS**

**DANBURY ROAD  
RIDGEFIELD, CONNECTICUT**

	<b>Property Address</b>	<b>Owner's and Mailing Address</b>
1.	15 Danbury Road	Girolametti Realty LLC 15 Danbury Road Ridgefield, CT 06877
2.	16 Roberts Lane	Eppoliti Realty Co. Inc. 37 Danbury Road, Suite 203 Ridgefield, CT 06877
3.	43 Danbury Road	Ramadani Ljatif 75 Nursery Road Ridgefield, CT 06877
4.	38 Danbury Road	Chambers Enterprises c/o Ciminelli Real Estate Corp. P.O. Box 428 Buffalo, NY 14231
5.	36 Danbury Road	Power Test Realty Co. c/o Getty Properties Co. Two Jericho Plaza, Wing C Jericho, NY 11753
6.	31 Danbury Road	Alliance Energy LLC 15 Northeast Industrial Road Branford, CT 06405