

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 ROOF- :
MOUNTED TOWER AT 2985-3017 BERLIN :
TURNPIKE, NEWINGTON, CONNECTICUT : JULY 1, 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 the commercial building that houses a Dick’s Sporting Goods and Price Chopper Supermarket at 2985-3017 Berlin Turnpike in Newington, Connecticut (the “Property”). The Property is owned by Brixmore GA Turnpike Plaza LLC. Cellco identifies this site as its “Newington SC4 Facility”.

II. Factual Background

The Property is a 16.29- acre parcel in Newington’s Planned Development (“PD”) zone. The Property is surrounded by commercial and residential uses. *See Attachment 1* – Site Vicinity

and Site Schematic Maps (Aerial Photograph).

Cellco is licensed to provide wireless telecommunications services in the 850 MHz, 1900 MHz, 700 MHz and 2100 MHz frequency ranges in Newington and throughout the State of Connecticut. Initially, the proposed Newington SC4 Facility described above will provide wireless service in Cellco's 2100 MHz frequency range only.

III. Proposed Newington SC4 Facility

The proposed Newington SC4 Facility would consist of a small tower in the rear portion of the roof of the existing commercial building on the Property. The tower will support a single canister antenna (Model NH360QM-DG-2XR) and a remote radio head ("RRH") (Model RRH2x60-AWS). The top of the antenna will extend to a height of approximately 32'-8" above ground level; approximately 8'-8" above the roof; and approximately 7'-8" above an existing parapet on the roof of the building. Equipment associated with the Newington SC4 Facility will be located on a 6' x 6' concrete pad on the west side of the building. The equipment will be surrounded by an 8' tall chain link fence. Power and telephone service to the Newington SC4 Facility will extend from existing service on the Property. (See Cellco's Project Plans included in Attachment 2). Specifications for the Newington SC4 Facility antenna and RRH 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 tower supporting a single canister antenna and a RRH and the placement of an associated radio equipment on the ground along the west side of the building behind a fenced enclosure, will not involve a significant alteration in the physical and environmental characteristics of the Property.

2. Visual Effects

The installation of a small tower, antenna and RRH on the roof of the building would have minimal visual effects on the Property and the surrounding area. (*See Limited Visual Assessment and Photo-Simulations (“Visual Assessment”) included in Attachment 4*). As concluded in the Visual Assessment, the visibility of the proposed roof-top tower and antenna described above is limited to nearby locations within 800’ of the building where existing mechanical equipment is currently visible. The view scape of the facility includes substantial existing commercial development and utility infrastructure. These features combined with the small cell’s low profile above the roof minimizes visibility even at close range.

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 General Power Density table, which demonstrates that the Newington SC4 Facility will operate well within the FCC safety standard (21.56% of the Standard).

4. FAA Summary Report

Included in Attachment 6 is a Federal Airways & Airspace Summary Report (the “FAA Report”) verifying that the tower and antenna on the roof of the building at the Property would not constitute an obstruction or hazard to air navigation and that notification to the FAA is not required.

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

On July 1, 2016, a copy of this Petition was sent to Newington’s Mayor Roy Zartarian, Newington’s Acting Town Manager Tanya Lane and Brixmore GA Turnpike Plaza LLC, the owner of the Property. Copies of the letters sent to the Mayor, Acting Town Manager and the Property owner 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 who were sent notice of the filing of the Petition is included in Attachment 8.

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 roof-mounted tower supporting a single canister antenna and RRH and the installation of equipment on the ground 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.

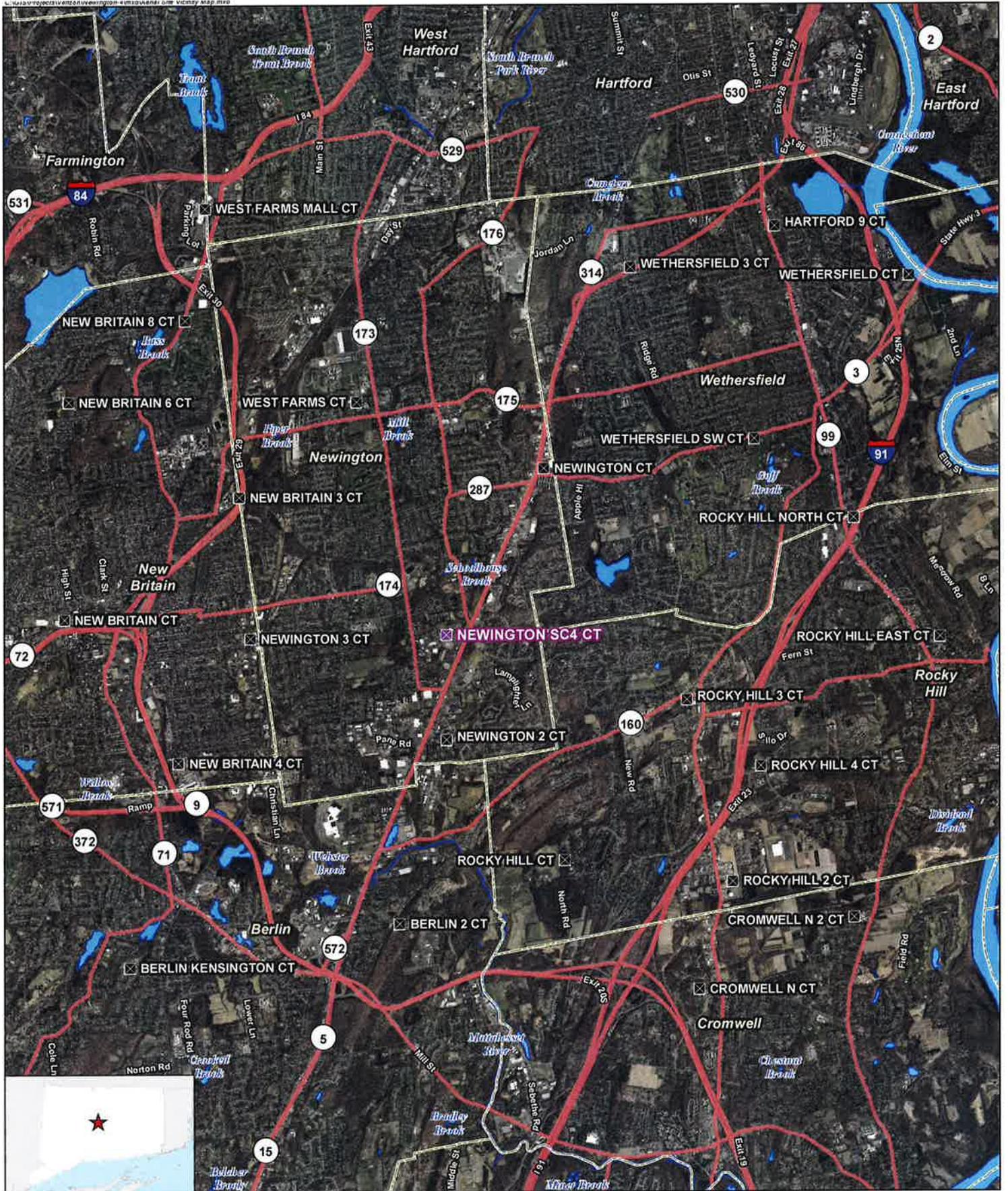
Respectfully submitted,

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
 - ▭ Municipal Boundary
 - ~ Waterbody

Site Vicinity Map

Proposed Wireless Telecommunications Facility
 Newington SC4 CT
 2985 Berlin Turnpike
 Newington, Connecticut



Base Map Source: 2012 Aerial Photograph (CTECO)
 Map Scale: 1 inch = 6,000 feet
 Map Date: June 2016





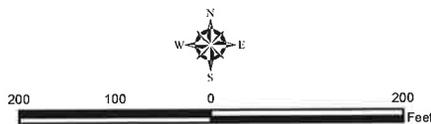
Legend

-  Proposed Antenna Mount
-  Proposed Equipment Cabinet
-  Approximate Subject Property
-  Approximate Parcel Boundary (CTDEEP GIS)

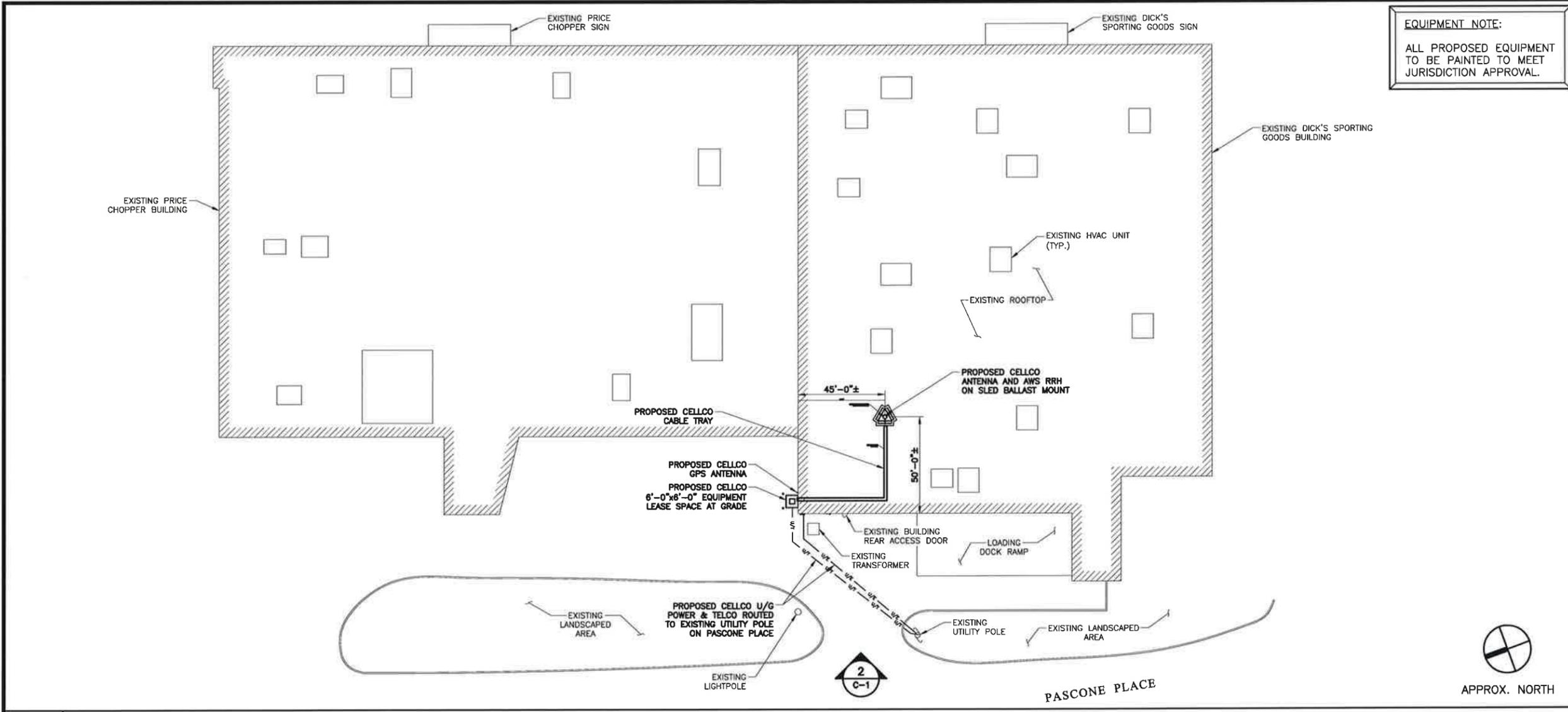
Site Schematic

Proposed Wireless Telecommunications Facility
 Newington SC4 CT
 2985 Berlin Turnpike
 Newington, Connecticut

Map Notes:
 Base Map Source: 2012 Aerial Photograph (CTECO)
 Map Scale: 1 inch = 200 feet
 Map Date: June 2016



ATTACHMENT 2



EQUIPMENT NOTE:
ALL PROPOSED EQUIPMENT TO BE PAINTED TO MEET JURISDICTION APPROVAL.

APPLICANT:
CELLCO PARTNERSHIP d/b/a
verizon
99 EAST RIVER DRIVE - 9th FLOOR
EAST HARTFORD, CT 06108

PREPARED BY:
EBC Consulting
environmental | engineering | due diligence
21 B Street | Burlington, MA 01803
Tel: (781) 273-2500 | Fax: (781) 273-3311
www.ebiconsulting.com

NOT FOR CONSTRUCTION

ENGINEER STAMP/SIGNATURE

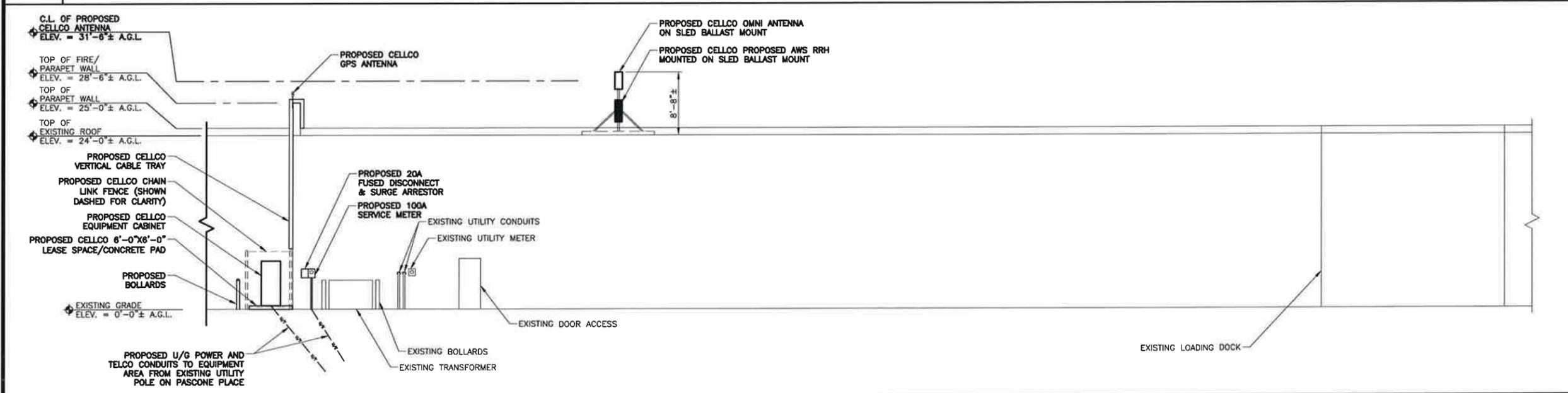
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SUBMITTALS

NO.	DATE	DESCRIPTION	BY
A	06/01/16	FOR CSC REVIEW	SH
B	06/20/16	REVISED PER COMMENTS	SH
C	06/30/16	REVISED PER COMMENTS	SM

1 ROOF PLAN

11x17 SCALE: 1:80
22x34 SCALE: 1:30



2 NORTHWEST ELEVATION

11x17 SCALE: 1/16" = 1'-0"
22x34 SCALE: 1/8" = 1'-0"

EBC JOB NO:
8116000403
SITE INFO:
NEWINGTON SC 4 CT
2985 BERLIN TURNPIKE
NEWINGTON, CT 06111

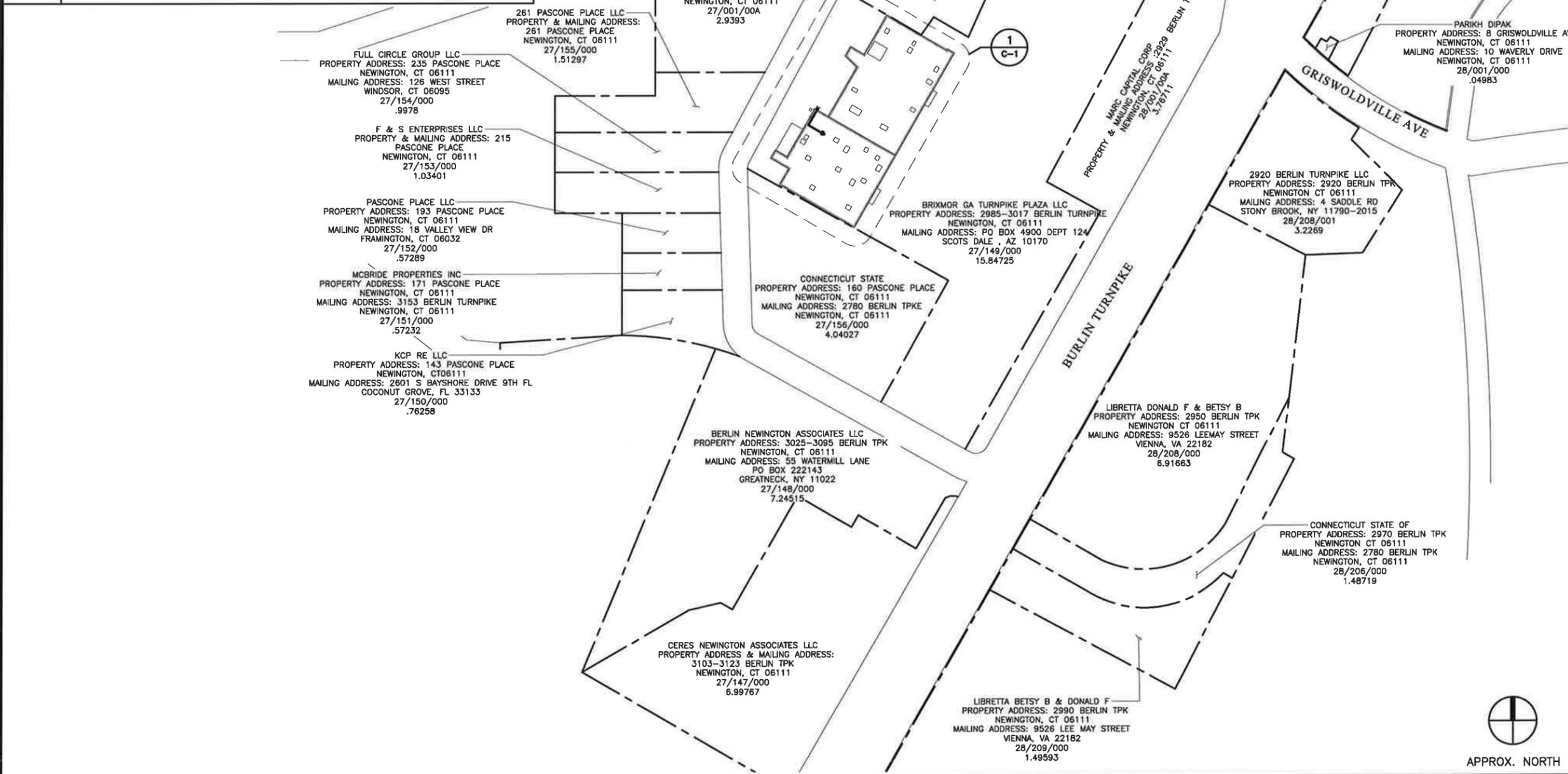
SHEET TITLE:
ROOF PLAN & ELEVATION

DRAWN BY: SH
CHECKED BY: JS
DATE: 05/25/16
SHEET NO:
C-1



1 MUNICIPALITY NOTIFICATION LIMIT MAP

N.T.S.



2 ABUTTERS MAP

APPROX. NORTH

11x17 SCALE: 1:300
22x34 SCALE: 1:150

APPLICANT:
CELLCO PARTNERSHIP d/b/a
verizon
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SUBMITTALS

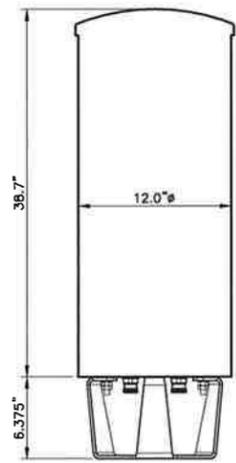
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A	06/01/16	FOR CSC REVIEW	SH
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EBC JOB NO:
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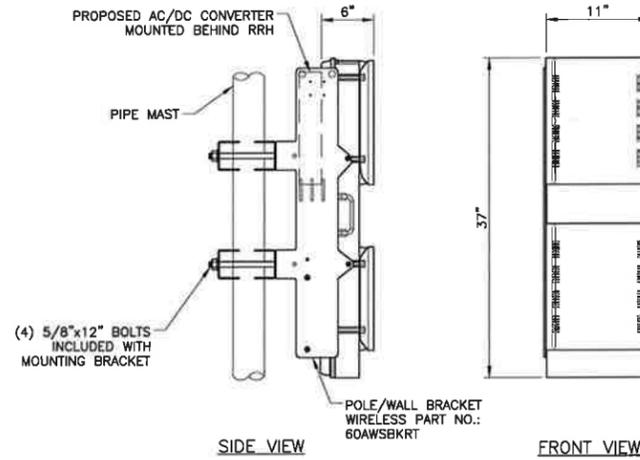
SITE INFO:
NEWINGTON SC 4 CT
2985 BERLIN TURNPIKE
NEWINGTON, CT 06111

SHEET TITLE:
ABUTTERS MAP

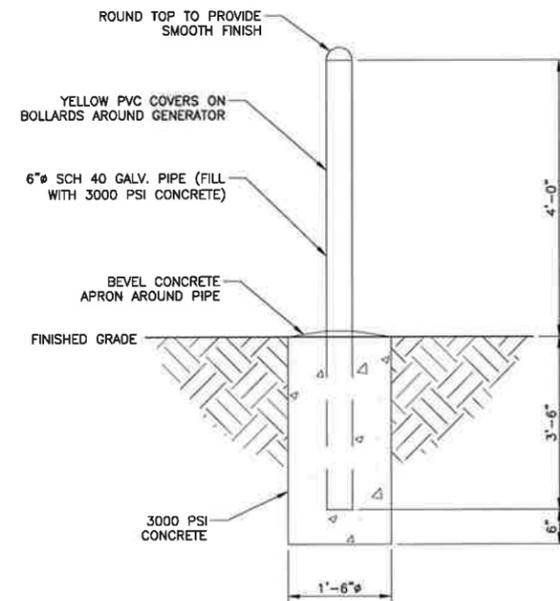
DRAWN BY: SH
CHECKED BY: JS
DATE: 05/25/16
SHEET NO:
C-2



COMMSCOPE - NH360QM-DG-2XR
 DIMENSIONS: 12"Øx38.7"H
 WEIGHT: 26.7 LBS.
 WEIGHT W/ BRACKET: 33.7 LBS.



B4 RRH2x60-AWS
 DIMENSIONS: 37"Hx11"Wx6"D
 WEIGHT: 55 LBS.



1 ANTENNA SPECIFICATION & DETAIL

N.T.S.

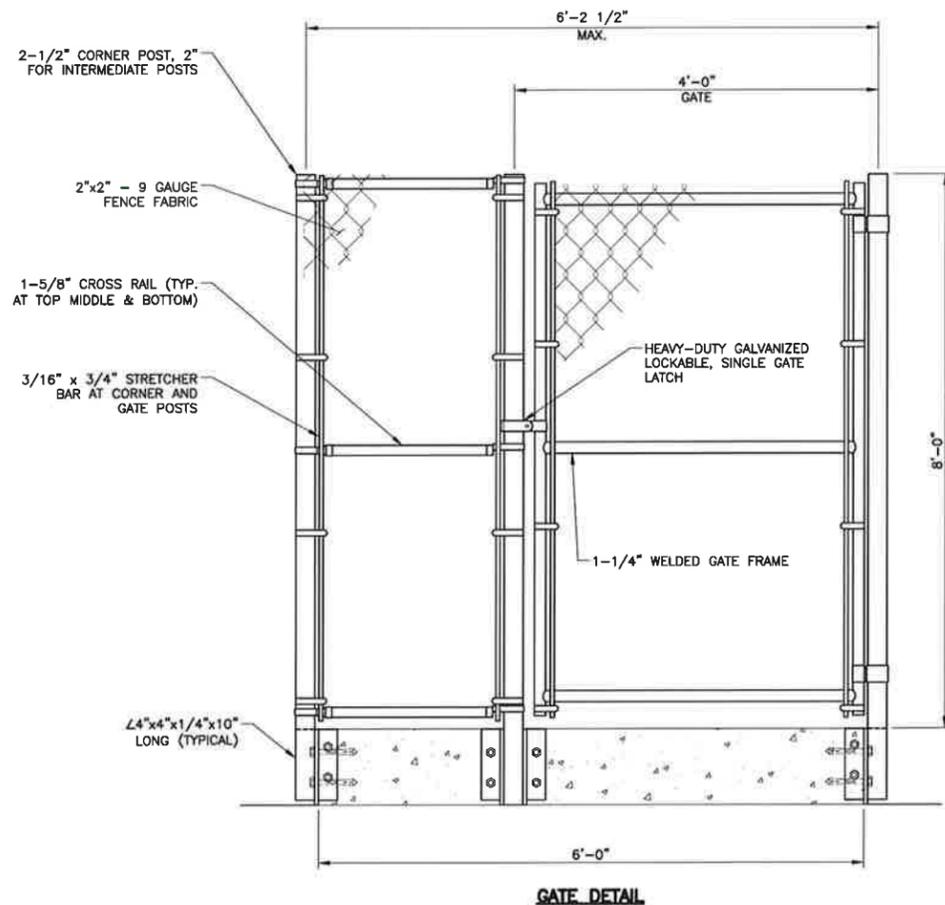
2 RRU SPECIFICATION & DETAIL

N.T.S.

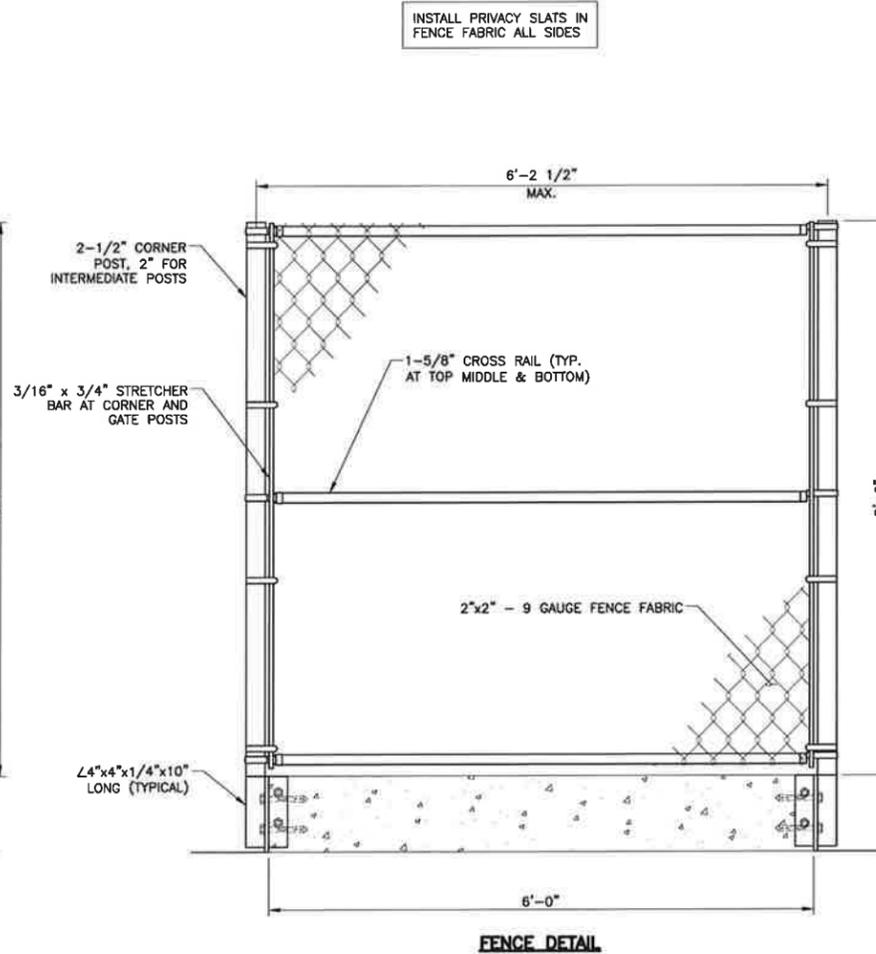
3 BOLLARD DETAIL

N.T.S.

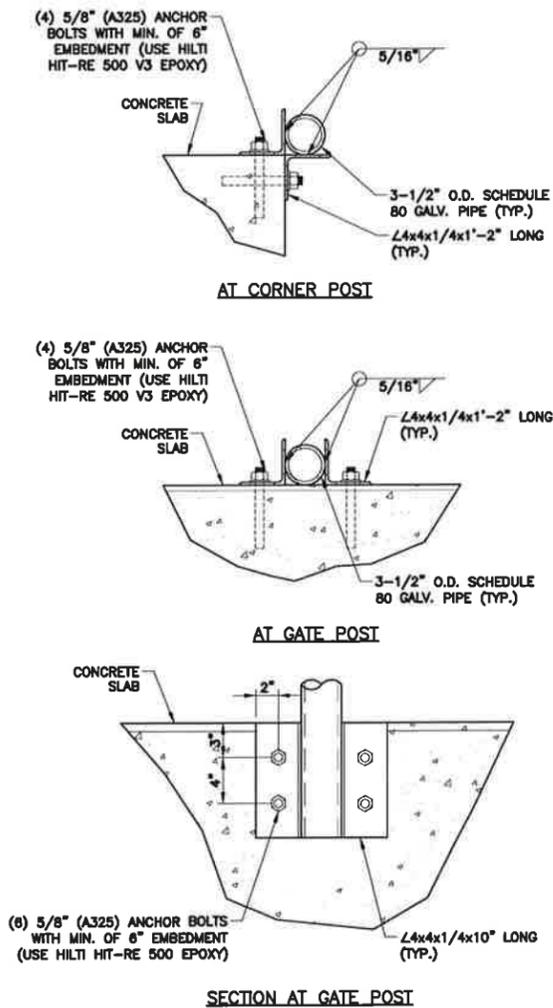
NOT FOR CONSTRUCTION



GATE DETAIL



FENCE DETAIL



SECTION AT GATE POST

4 GATE & FENCE DETAIL

N.T.S.

5 FENCE POST ATTACHMENT DETAIL

N.T.S.

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B	06/20/16	REVISED PER COMMENTS	SH
C	06/30/16	REVISED PER COMMENTS	SM

EBI JOB NO: **8116000403**

SITE INFO:
NEWINGTON SC 4 CT
 2985 BERLIN TURNPIKE
 NEWINGTON, CT 06111

SHEET TITLE:
DETAILS

DRAWN BY: SH

CHECKED BY: JS

DATE: 05/25/16

SHEET NO:

C-3

APPLICANT:
 CELCO PARTNERSHIP d/b/a
verizon
 99 EAST RIVER DRIVE - 9th FLOOR
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ATTACHMENT 3



NH360QM-DG-2XR

Andrew® Dualband Quasi Omni Metro Cell Antenna, 698-896 and 1695-2200 MHz, internal RETs with manual override, internal diplexer and active GPS L1 band antenna

Electrical Specifications

Frequency Band, MHz	698-806	806-896	1695-1880	1850-1990	1920-2200
Gain, dBi	6.1	7.1	9.7	9.9	9.9
Beamwidth, Horizontal, degrees	360	360	360	360	360
Beamwidth, Vertical, degrees	28.6	25.4	11.2	10.6	10.1
Beam Tilt, degrees	0-20	0-20	0-14	0-14	0-14
USLS (First Lobe), dB	16	15	14	13	13
Isolation, dB	25	25	25	25	25
VSWR Return Loss, dB	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153
Input Power per Port, maximum, watts	125	125	125	125	125
Polarization	±45°	±45°	±45°	±45°	±45°
Impedance	50 ohm				

Electrical Specifications, BASTA*

Frequency Band, MHz	698-806	806-896	1695-1880	1850-1990	1920-2200
Gain by all Beam Tilts, average, dBi	5.4	6.3	9.3	9.4	9.4
Gain by all Beam Tilts Tolerance, dB	±1	±0.7	±0.5	±0.7	±0.7
	0° 5.1	0° 6.3	0° 9.2	0° 9.3	0° 9.4
Gain by Beam Tilt, average, dBi	10° 5.4	10° 6.3	7° 9.3	7° 9.5	7° 9.6
	20° 5.6	20° 6.0	14° 9.2	14° 9.1	14° 9.1
Beamwidth, Vertical Tolerance, degrees	±3.7	±3.2	±0.9	±1.1	±1.1
USLS, beampeak to 20° above beampeak, dB			13	13	13

* 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

Antenna Brand	Andrew®
Antenna Type	Metro Cell
Band	Multiband
Brand	DualPol®
Operating Frequency Band	1695 - 2200 MHz 698 - 896 MHz
Internal GPS frequency band	1575.42 MHz
Internal GPS VSWR	2.0
Performance Note	Outdoor usage

Mechanical Specifications

Color	Light gray
GPS Connector Interface	4.1-9.5 DIN Female
GPS Connector Quantity	1

Product Specifications

COMMScope®

NH360QM-DG-2XR

POWERED BY



Lightning Protection	dc Ground
Radiator Material	Aluminum Low loss circuit board
Radome Material	ASA
Reflector Material	Aluminum
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, total	2
Wind Loading, maximum	225.0 N @ 150 km/h 50.6 lbf @ 150 km/h
Wind Speed, maximum	241 km/h 150 mph

Dimensions

Length	982.0 mm 38.7 in
Outer Diameter	305.0 mm 12.0 in
Net Weight, without mounting kit	15.3 kg 33.7 lb

Remote Electrical Tilt (RET) Information

Input Voltage	10–30 Vdc
Power Consumption, idle state, maximum	2.0 W
Power Consumption, normal conditions, maximum	13.0 W
Protocol	3GPP/AISG 2.0 (Single RET)
RET Interface	8-pin DIN Male
RET Interface, quantity	1 male

Packed Dimensions

Depth	407.0 mm 16.0 in
Length	1251.0 mm 49.3 in
Width	427.0 mm 16.8 in
Shipping Weight	20.6 kg 45.4 lb

Regulatory Compliance/Certifications

Agency

RoHS 2011/65/EU
China RoHS SJ/T 11364-2006
ISO 9001:2008

Classification

Compliant by Exemption
Above Maximum Concentration Value (MCV)
Designed, manufactured and/or distributed under this quality management system

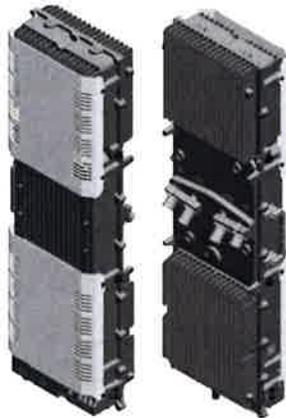


* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance

ALCATEL-LUCENT WIRELESS PRODUCT DATASHEET B4 RRH2X60-4R FOR AWS BAND APPLICATIONS

The Alcatel-Lucent B4 RRH2x60-4R is a high power, small form factor Remote Radio Head operating in the AWS frequency band (3GPP Band 4) for LTE technology. It is designed with an eco-efficient approach, providing operators with the means to achieve high quality and high capacity coverage with minimum site requirements and efficient operation.



A distributed Node B expands the deployment options by using two components, a Base Band Unit (BBU) containing the digital assets and a separate RRH containing the radio-frequency (RF) elements. This modular design optimizes available space and allows the main components of a Node B to be installed separately, within the same site or several kilometers apart.

The Alcatel-Lucent B4 RRH2x60-4R is linked to the BBU by an optical-fiber connection carrying downlink and uplink digital radio signals along with operations, administration and maintenance (OA&M) information.

SUPERIOR RF PERFORMANCE

The Alcatel-Lucent B4 RRH2x60-4R integrates all the latest

technologies. This allows operators to offer best-in-class characteristics.

It delivers an outstanding 120 watts of total RF power thanks to its two transmit RF paths of 60 W each.

It is ideally suited to support multiple-input multiple-output (MIMO) 2x2 operation.

It includes four RF receivers to natively support 4-way uplink reception diversity. This improves the radio uplink coverage and this can be used to extend the cell radius commensurate with 2x2MIMO 2x60 W for the downlink.

It supports multiple discontinuous LTE carriers within an instantaneous bandwidth of 45 MHz corresponding to the entire AWS B4 spectrum.

The latest generation power amplifiers (PA) used in this product achieve high efficiency (>40%), resulting in improved power consumption figures.

OPTIMIZED TCO

The Alcatel-Lucent B4 RRH2x60-4R is designed to make available all the benefits of a distributed Node B, with excellent RF characteristics, with low capital expenditures (CAPEX) and low operating expenditures (OPEX).

The Alcatel-Lucent B4 RRH2x60-4R is a very cost-effective solution to deploy LTE MIMO.

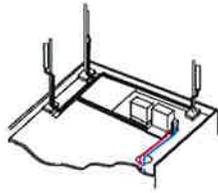
EASY INSTALLATION

The B4 RRH2x60-4R includes a reversible mounting bracket which allows for ease of installation behind an antenna, or on a rooftop knee wall while providing easy access to the mid body RF connectors.

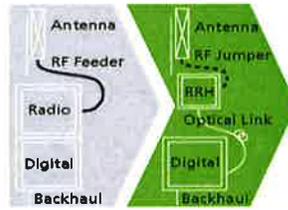
The limited space available in some sites may prevent the installation of traditional single-cabinet BTS equipment. However, many of these sites can host an Alcatel-Lucent B4 RRH2x60-4R installation, providing more flexible site selection and improved network quality along with greatly reduced installation time and costs.

The Alcatel-Lucent B4 RRH2x60-4R is a zero-footprint solution and is convection cooled without fans for silent operation, simplifying negotiations with site property owners and minimizing environmental impacts.

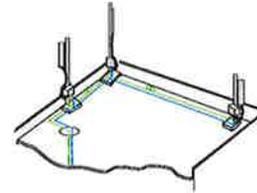
Installation can easily be done by a single person as the Alcatel-Lucent B4 RRH2x60-4R is compact and weighs about 25 kg, eliminating the need for a crane to hoist the BTS cabinet to the rooftop. A site can be in operation in less than one day.



Macro



RRH for space-constrained cell sites



Distributed

FEATURES

- B4 RRH2x60-4R integrates two power amplifiers of 60W rating (at each antenna connector)
- Support multiple carriers over the entire 3GPP band 4
- B4 RRH2x60-4R is optimized for LTE operation
- B4 RRH2x60-4R is a very compact and lightweight product
- Advanced power management techniques are embedded to provide power savings, such as PA bias control

BENEFITS

- MIMO LTE operation with only one single unit per sector
- Improved uplink coverage with built-in 4-way receive diversity capability
- RRH can be mounted close to the antenna, eliminating nearly all losses in RF cables and thus reducing power consumption by 50% compared to conventional solutions
- Distributed configurations provide easily deployable and cost-effective solutions, near zero footprint and

silent solutions, with minimum impact on the neighborhood, which ease the deployment

- RETA and TMA support without additional hardware thanks to the AISG v2.0 port and the integrated Bias-Tees. Bias-Tees support AISG DC supply and signaling.

TECHNICAL SPECIFICATIONS

Specifications listed are hardware capabilities. Some capabilities depend on support in a specific software release or future release.

Dimensions and weights

- HxWxD : 930x270x146 mm (with solar shield)
- Weight : 25 kg (55 lbs) (with solar shield)

Electrical Data

- Power Supply : -48V DC (-38 to -57V)
- Power Consumption: 346W typ. @2x30W (100%RF), 560W typ. @2x60W (100%RF)

RF Characteristics

- Frequency band: 1710-1755, UL / 2110-2155 MHz, DL (3GPP band 4)
- Output power: 2x60W at antenna connectors
- Technology supported: LTE
- Instantaneous bandwidth: 45 MHz
- Rx diversity: 2-way and 4-way uplink reception
- Typical sensitivity without Rx diversity: -105 dBm for LTE

Connectivity

- Two CPRI (3-6) optical ports for daisy chaining and up to six RRHs per fiber
- Type of optical fiber: Single-Mode (SM) and Multi-Mode (MM) SFPs
- Optical fiber length: up to 300m using MM fiber, up to 15km using SM fiber
- TMA/RETA : AISG 2.0 (RS485 connector and internal Bias-Tee)
- Four external alarms
- Surge protection for all external ports (DC and RF)

Environmental specifications

- Operating temperature: -40°C to 55°C including solar load
- Operating relative humidity: 8% to 100%
- Environmental Conditions : ETS 300 019-1-4 class 4.1E
- Ingress Protection : IEC 60529 IP65

- Acoustic Noise : Noiseless (natural convection cooling)

Safety and Regulatory Data

- EMC : 3GPP 25113, EN 301 489-1, EN 301 489-23, GR 1089, GR 3108, OET-65
- Safety : IEC60950-1, EN 60825-1, UL, ANSI/NFPA 70, CAN/CSA-C22.2
- Regulatory : FCC Part 15 Class B
- Health : EN 50385

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ATTACHMENT 4

Visual Assessment & Photo-Simulations

NEWINGTON SC4
2985 BERLIN TURNPIKE
NEWINGTON, CT



Prepared in June 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 small cell wireless telecommunications Facility at 2985 Berlin Turnpike in Newington, Connecticut (the "Host Property").

Project Setting

The Host Property is located on the west side of the Berlin Turnpike (Route 5), south of Louis Street and north of Pascone Place. The Host Property is currently developed with multiple retail buildings comprising a shopping plaza. The proposed Facility would be located at Dicks Sporting Goods and include a sled ballast-mounted omni antenna and remote GPS antenna on the building's roof. The mast and omni antenna would extend approximately 8.5 feet above the roof. Supporting equipment would be located at grade within a six-foot by six-foot (6' x 6') chain-link, fence-enclosed ground lease area northwest of the building. A cable tray would route electrical/telco connections vertically up the side of the exterior wall to the roof.

Methodology

On June 8, 2016, APT personnel conducted field reconnaissance and photo-documented existing conditions. Ten nearby locations were selected to depict existing and proposed conditions with the new 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 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.

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 Site. A photolog map and copies of the existing conditions and photo-simulations are attached at the end of this report.

View	Location	Orientation		View
			Distance	
1	Host Property	South	±342 Feet	Visible
2	Pascone Place	Southeast	±183 Feet	Visible
3	Pascone Place	Northeast	±0.11 Mile	Not Visible
4	TGI Friday's Parking Lot	Northwest	±0.17 Mile	Visible
5	Host Property	Northwest	±0.13 Mile	Not Visible
6	Host Property	Northwest	±0.10 Mile	Not Visible
7	Host Property	Southwest	±0.12 Mile	Not Visible
8	Louis Street	Southwest	±0.19 Mile	Not Visible
9	Foxboro Drive	South	±0.11 Mile	Visible
10	Louis Street	Southeast	±0.11 Mile	Visible

The 10 photo locations were chosen in the field because they presented generally unobstructed view lines towards at least a portion of the building and represent the approximate limits of visibility associated with the proposed installation. Photo-simulations were prepared for five of the views to depict the proposed installation. The photo-simulations are static in nature and do not necessarily fairly characterize the prevailing views from all locations within a given area. The simulations 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 limited to nearby locations within ±800 feet where at least a portion of the building and existing roof-top equipment can be seen today. The view scape of the facility includes substantial existing commercial development and utility infrastructure. These features combined with the small cell's low profile above the roof minimizes any opportunities for the facility to be a prominent feature, even at close range.

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



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Gattamaina, Aerial, IGN, IGP, swisstopo, and the GIS User Community

PHOTO LOG

- Legend
- Site
 - Visible
 - Not Visible





EXISTING

PHOTO

1

LOCATION

HOST PROPERTY

ORIENTATION

SOUTH

DISTANCE TO SITE

+/- 342 FEET



ALL-POINTS
TECHNOLOGY CORPORATION





PROPOSED

PHOTO

1

LOCATION

HOST PROPERTY

ORIENTATION

SOUTH

DISTANCE TO SITE

+/- 342 FEET





EXISTING

PHOTO

2

LOCATION

PASCOE PLACE

ORIENTATION

SOUTHEAST

DISTANCE TO SITE

+/- 183 FEET



ALL-POINTS
TECHNOLOGY CORPORATION

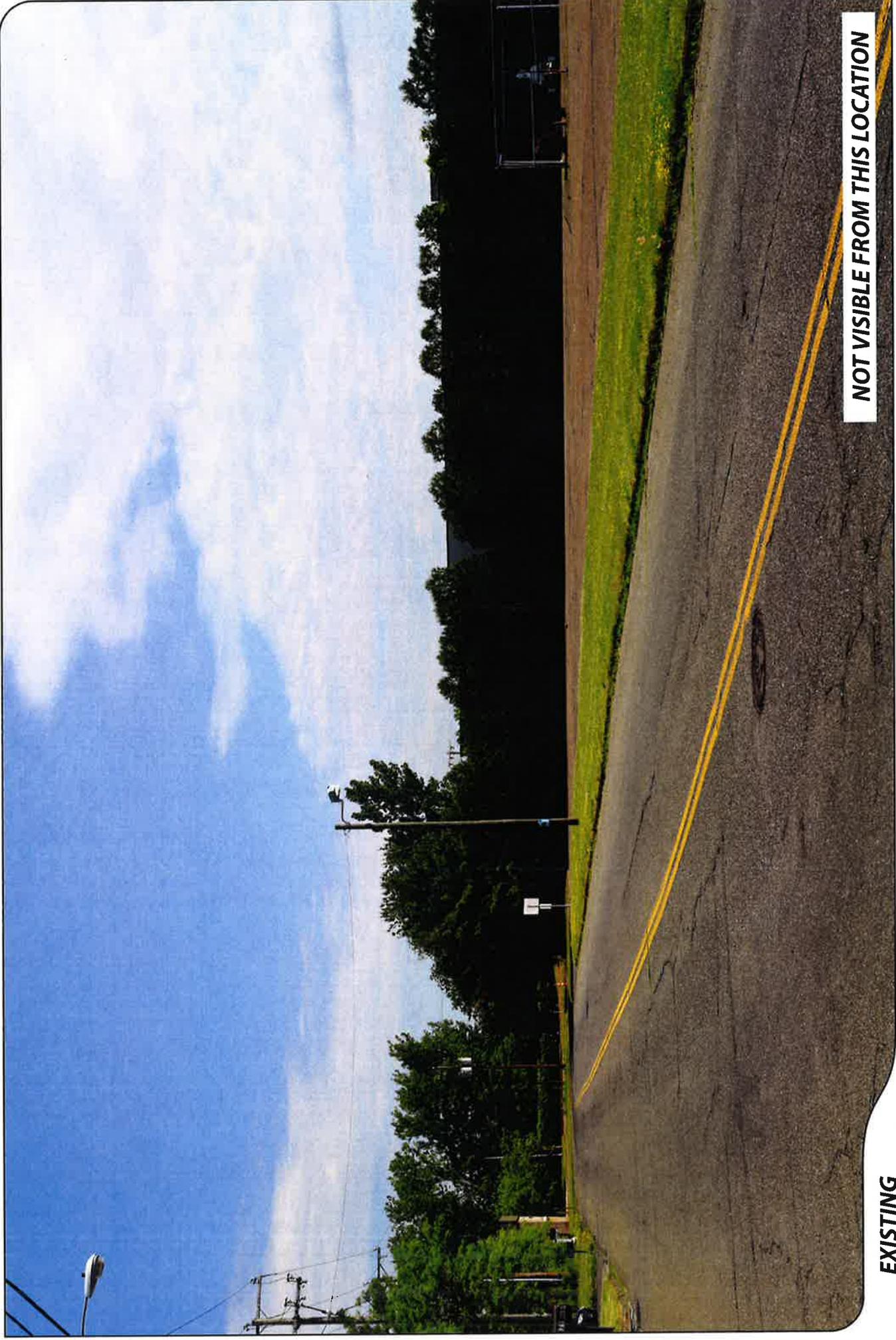
verizon



PROPOSED

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE
2	PASCONE PLACE	SOUTHEAST	+/- 183 FEET





NOT VISIBLE FROM THIS LOCATION

EXISTING

PHOTO

3

LOCATION

PASCONE PLACE

ORIENTATION

NORTHEAST

DISTANCE TO SITE

+/- 0.11 MILE



ALL-POINTS
TECHNOLOGY CORPORATION





EXISTING

PHOTO

4

LOCATION

TGI FRIDAYS PARKING LOT

ORIENTATION

NORTHWEST

DISTANCE TO SITE

+/- 0.17 MILE





PROPOSED

PHOTO

4

LOCATION

TGI FRIDAYS PARKING LOT

ORIENTATION

NORTHWEST

DISTANCE TO SITE

+/- 0.17 MILE



ALL-POINTS
TECHNOLOGY CORPORATION





EXISTING

PHOTO

5

LOCATION

HOST PROPERTY

ORIENTATION

NORTHWEST

DISTANCE TO SITE

+/- 0.13 MILE

NOT VISIBLE FROM THIS LOCATION



verizon



NOT VISIBLE FROM THIS LOCATION

EXISTING

PHOTO

6

LOCATION

HOST PROPERTY

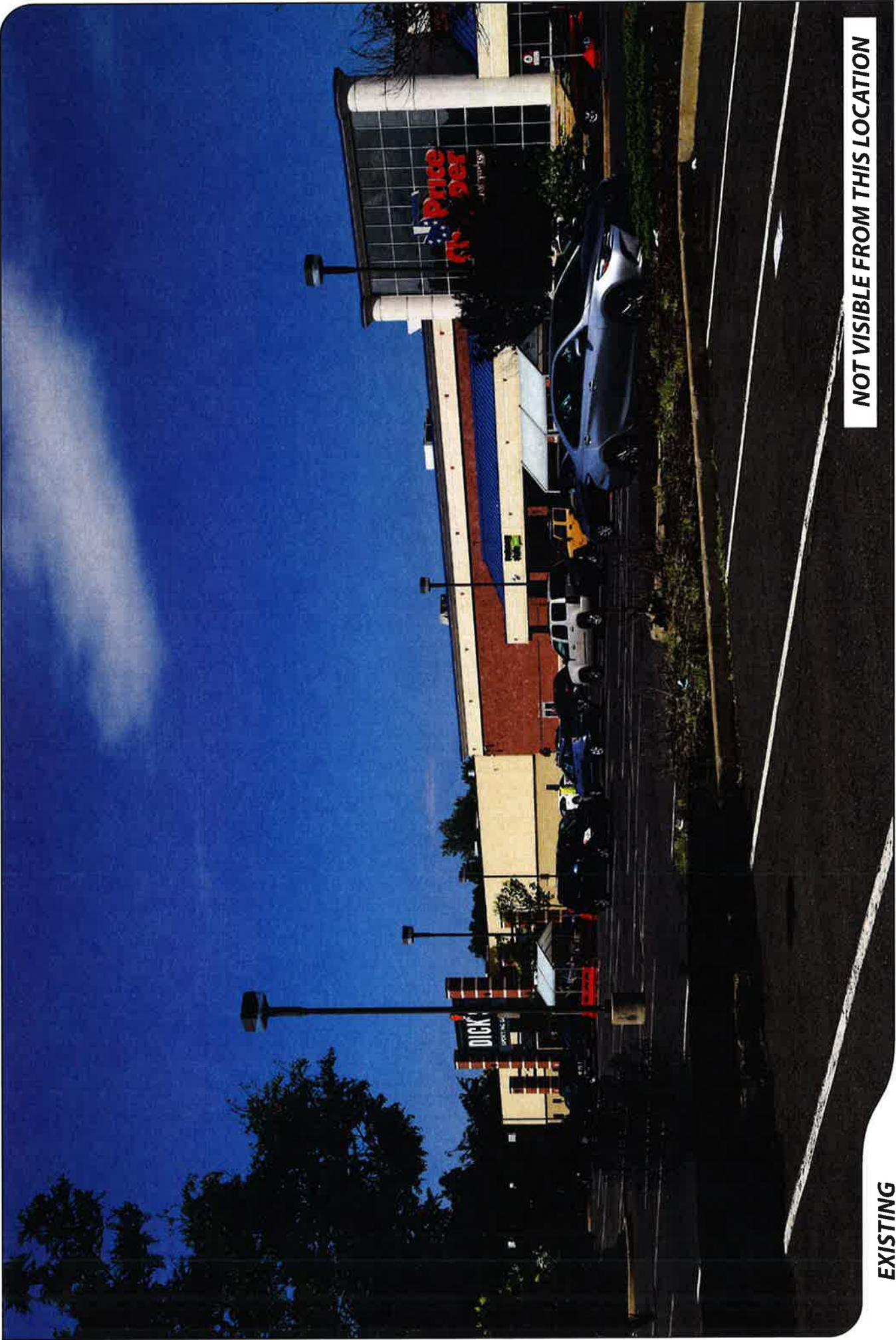
ORIENTATION

NORTHWEST

DISTANCE TO SITE

+/- 0.10 MILE





NOT VISIBLE FROM THIS LOCATION

EXISTING

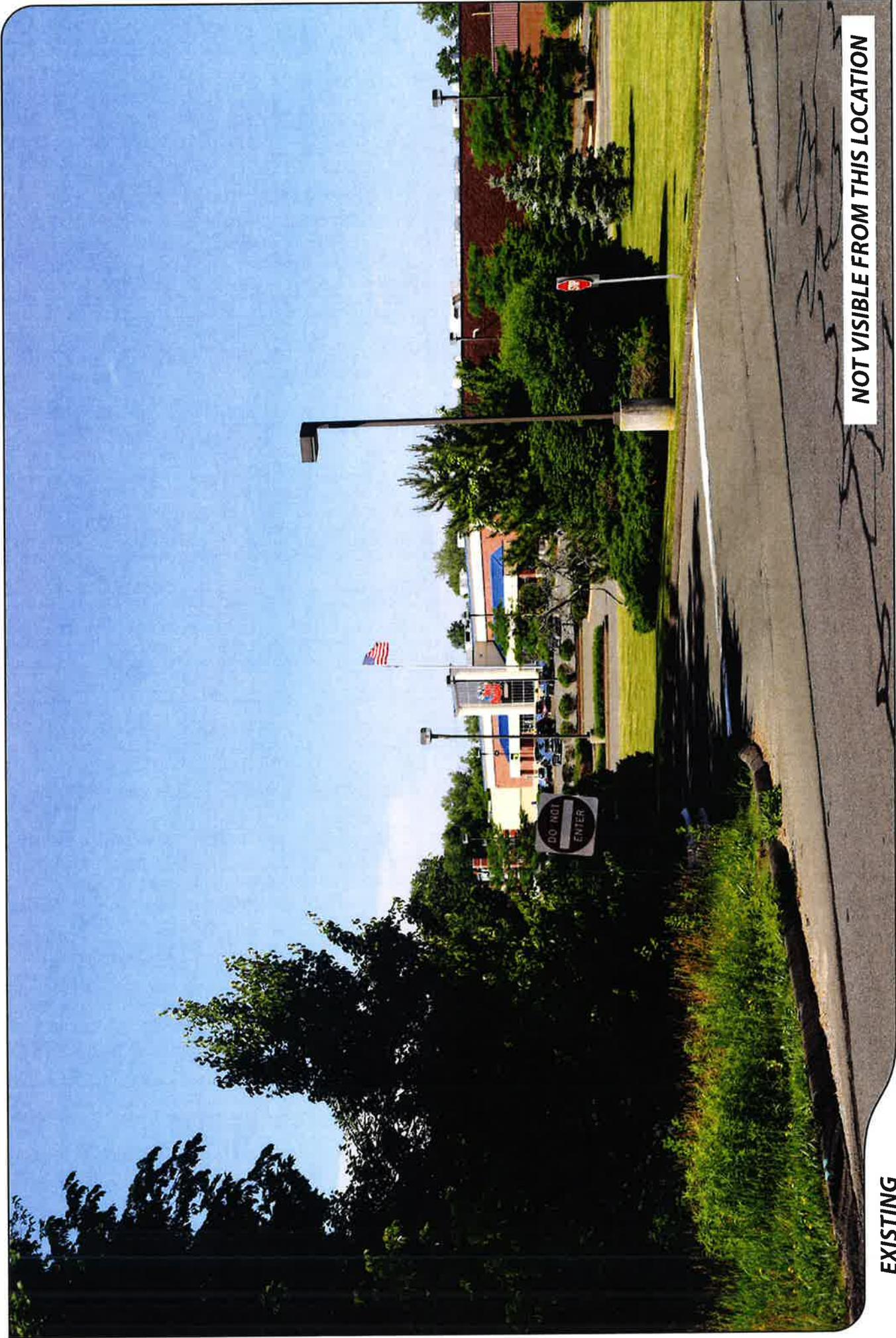
PHOTO
7

LOCATION
HOST PROPERTY

ORIENTATION
SOUTHWEST

DISTANCE TO SITE
+/- 0.12 MILE





NOT VISIBLE FROM THIS LOCATION

EXISTING

PHOTO

8

LOCATION

LOUIS STREET

ORIENTATION

SOUTHWEST

DISTANCE TO SITE

+/- 0.19 MILE





EXISTING

PHOTO

9

LOCATION

FOXBORO DRIVE

ORIENTATION

SOUTH

DISTANCE TO SITE

+/- 0.11 MILE



ALL-POINTS
TECHNOLOGY CORPORATION





PROPOSED

PHOTO

9

LOCATION

FOXBORO DRIVE

ORIENTATION

SOUTH

DISTANCE TO SITE

+/- 0.11 MILE



ALL-POINTS
TECHNOLOGY CORPORATION





EXISTING

PHOTO
10

LOCATION
LOUIS STREET

ORIENTATION
SOUTHEAST

DISTANCE TO SITE
+/- 0.11 MILE





PROPOSED

PHOTO
10

LOCATION
LOUIS STREET

ORIENTATION
SOUTHEAST

DISTANCE TO SITE
+/- 0.11 MILE



ATTACHMENT 5

General Power Density

Site Name: Newington SC 4, CT
 Cumulative Power Density

Operator	Operating Frequency (MHz)	Number of Trans.	ERP Per Trans. (watts)	Total ERP (watts)	Distance to Target (feet)	Calculated Power Density (mW/cm ²)	Maximum Permissible Exposure* (mW/cm ²)	Fraction of MPE (%)
VZW PCS								
VZW Cellular								
VZW AWS	2145	1	595	595	31.5	0.2156	1.0	21.56%
VZW 700								

Total Percentage of Maximum Permissible Exposure

21.56%

*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/cm² = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.

ATTACHMENT 6

NEWINGTON_SC_4_CT_AIRSPACE.txt

* Federal Airways & Airspace *
* Summary Report: New Construction *
* Non-Antenna Structure *

Airspace User: Mark Brauer

File: NEWINGTON_SC_4_CT

Location: New Britain, CT

Latitude: 41°-40'-8.48" Longitude: 72°-43'-16.58"

SITE ELEVATION AMSL.....143 ft.
STRUCTURE HEIGHT.....33 ft.
OVERALL HEIGHT AMSL.....176 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 HFD
FAR 77.9: NNR FAR 77.9 IFR Straight-In Notice Criteria for 4B8
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: HFD: HARTFORD-BRAINARD

Type: A RD: 29435.41 RE: 13.9
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: 4B8: ROBERTSON FIELD

Type: A RD: 39747.61 RE: 200
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

NEWINGTON_SC_4_CT_AIRSPACE.txt

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 2200 ft AMSL

PRIVATE LANDING FACILITIES

FACIL IDENT TYP NAME	BEARING To FACIL	RANGE IN NM	DELTA ARP ELEVATION	FAA IFR
01CT HEL BERLIN FAIRGROUNDS No Impact to Private Landing Facility Structure is beyond notice limit by 10312 feet.	186.37	2.52	+116	
0CT6 HEL MIDDLETOWN No Impact to Private Landing Facility Structure is beyond notice limit by 21735 feet.	170.11	4.4	+63	
0CT9 HEL HARTFORD HOSPITAL No Impact to Private Landing Facility Structure 4 ft below heliport.	20.5	5.47	-35	

AIR NAVIGATION ELECTRONIC FACILITIES

APCH BEAR	FAC IDNT	TYPE	ST AT	FREQ	VECTOR	DIST (ft)	DELTA ELEVA	ST	LOCATION	GRND ANGLE
2	HFD	LOCALIZER	I	109.7	39.39	30045	+165	CT	RWY 02 HARTFORD-B	.31
	HFD	ATCT	Y	A/G	38.4	30660	+101	CT	HARTFORD-BRAINARD	.19
	HFD	VOR/DME	R	114.9	102.15	48591	-673	CT	HARTFORD	-.79
	BDL	RADAR	ON		6.13	98784	-60	CT	BRADLEY INTL	-.03
No Impact. This structure does not require Notice based upon EMI. The studied location is within 20 NM of a Radar facility. The calculated Radar Line-Of-Sight (LOS) distance is: 35 NM. This location and height is within the Radar Line-Of-Sight.										
	MAD	VOR/DME	R	110.4	176.48	129667	-44	CT	MADISON	-.02
	HVN	VOR/DME	R	109.8	196.81	154855	+170	CT	NEW HAVEN	.06
	BAF	VORTAC	R	113.0	.44	179627	-91	MA	BARNES	-.03
	CEF	VORTAC	R	114.0	15.34	199762	-65	MA	WESTOVER	-.02
	ORW	VOR/DME	I	110.0	101.98	201647	-134	CT	NORWICH	-.04

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: WRYM @ 2009 meters.

NEWINGTON_SC_4_CT_AIRSPACE.txt

Airspace® Summary Version 16.5.417

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05-27-2016
09:23:24

ATTACHMENT 7

July 1, 2016

Via Certificate of Mailing

Roy Zartarian, Mayor
Town of Newington
131 Cedar Street
Newington, CT 06111

**Re: Proposed Installation of a Roof-Top Wireless Telecommunications Facility at
2985-3017 Berlin Turnpike, Newington, Connecticut**

Dear Mayor Zartarian:

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 on the rear portion of the roof of the commercial building at 2985-3017 Berlin Turnpike in Newington (the “Property”). The building houses Dick’s Sporting Goods and Price Chopper. The facility will consist of a small roof-top tower supporting a single canister antenna and remote radio head (RRH). The tower and antenna will extend to a height of 32’-8” above ground level, approximately 8’-8” above the existing roof of the building. Equipment associated with the facility will be located on an 6’ x 6’ concrete pad along the west side of the building.

A copy of the Petition is attached for your review. Landowners whose property abuts the Property were also sent notice of this filing along with a copy of the Petition.

14930960-v1

Robinson+Cole

Roy Zartarian
July 1, 2016
Page 2

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

Sincerely,



Kenneth C. Baldwin

Attachment

July 1, 2016

Via Certificate of Mailing

Tanya Lane, Acting Town Manager
Town of Newington
131 Cedar Street
Newington, CT 06111

**Re: Proposed Installation of a Roof-Top Wireless Telecommunications Facility at
2985-3017 Berlin Turnpike, Newington, Connecticut**

Dear Ms. Lane:

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 on the rear portion of the roof of the commercial building at 2985-3017 Berlin Turnpike in Newington (the “Property”). The building houses Dick’s Sporting Goods and Price Chopper. The facility will consist of a small roof-top tower supporting a single canister antenna and remote radio head (RRH). The tower and antenna will extend to a height of 32’-8” above ground level, approximately 8’-8” above the existing roof of the building. Equipment associated with the facility will be located on an 6’ x 6’ concrete pad along the west side of the building.

A copy of the Petition is attached for your review. Landowners whose property abuts the Property were also sent notice of this filing along with a copy of the Petition.

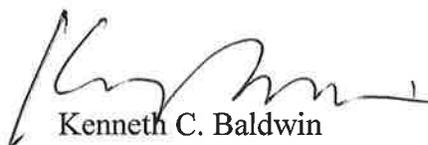
14931193-v1

Robinson + Cole

Tanya Lane
July 1, 2016
Page 2

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

Sincerely,



Kenneth C. Baldwin

Attachment

July 1, 2016

Via Certificate of Mailing

Brixmore GA Turnpike Plaza LLC
P.O. Box 4900
Scottsdale, AZ 85261

**Re: Proposed Installation of a Roof-Top Wireless Telecommunications Facility at
2985-3017 Berlin Turnpike, Newington, 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 on the rear portion of the roof of the commercial building at 2985-3017 Berlin Turnpike in Newington (the “Property”). The building houses Dick’s Sporting Goods and Price Chopper. The facility will consist of a small roof-top tower supporting a single canister antenna and remote radio head (RRH). The tower and antenna will extend to a height of 32’-8” above ground level, approximately 8’-8” above the existing roof of the building. Equipment associated with the facility will be located on an 6’ x 6’ concrete pad along the west side of the building.

A copy of the Petition is attached for your review. Landowners whose property abuts the Property were also sent notice of this filing along with a copy of the Petition.

14931256-v1

Robinson + Cole

Brixmore GA Turnpike Plaza LLC
July 1, 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

July 1, 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 Roof-Top Wireless Telecommunications Facility at 2985-3017 Berlin Turnpike, Newington, 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 on the rear portion of the roof of the commercial building at 2985-3017 Berlin Turnpike in Newington (the “Property”). The building houses Dick’s Sporting Goods and Price Chopper. The facility will consist of a small roof-top tower supporting a single canister antenna and remote radio head (RRH). The tower and antenna will extend to a height of 32’-8” above ground level, approximately 8’-8” above the existing roof of the building. Equipment associated with the facility will be located on an 6’ x 6’ concrete pad along the west side 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.

July 1, 2016
Page 2

Sincerely,

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

Kenneth C. Baldwin

Attachment

CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS

ABUTTING PROPERTY OWNERS

**2985-3017 BERLIN TURNPIKE
NEWINGTON, CONNECTICUT**

	Property Address	Owner's and Mailing Address
1.	2929 Berlin Turnpike	Marc Capital Corp. c/o Nancy Anderson 1713 Montane Drive E Golden, CO 80401
2.	160 Pascone Place	State of Connecticut 280 Berlin Turnpike Newington, CT 06111
3.	65 Louis Street	PRB Realty LLC 33 Round Hill Road Kensington, CT 06037
4.	2909 Berlin Turnpike	GLM 1867 Realty LLC and Newington Realty LLC 109 Spencer Place Mamaroneck, NY 10543
5.	2125 Main Street	Middlewoods of Newington Inc. 580 Long Hill Avenue Shelton, CT 06484
6.	103 Louis Street	Innate Investments LLC c/o Tammy and Stephen Judson 133 Louis Street Newington, CT 06111
7.	261 Pascone Place	261 Pascone Place LLC 261 Pascone Place Newington, CT 06111
8.	235 Pascone Place	Full Circle Group LLC 126 West Street Windsor, CT 06095

	Property Address	Owner's and Mailing Address
9.	215 Pascone Place	F&S Enterprises LLC 215 Pascone Place Newington, CT 06111
10.	193 Pascone Place	Pascone Place LLC 18 Valley View Drive Farmington, CT 06032
11.	171 Pascone Place	McBride Properties Inc. 3153 Berlin Turnpike Newington, CT 06111
12.	143 Pascone Place	KCP RE LLC c/o Greenstreet Partners LP Attn: Director of Real Estate 2601 S. Bayshore Drive, 9 th Floor Coconut Grove, FL 33133
13.	76 Stanwell Road	GKN Aerospace Newington LLC 183 Louis Street Newington, CT 06111
14.	3025-3095 Berlin Turnpike	Berlin Newington Associates LLC 55 Watermill Lane Great Neck, NY 11022
15.	3103-3123 Berlin Turnpike	CERES Newington Associates LLC c/o Gillman Management Corp. Attn: Donna Daddario 55 Watermill Lane, Suite 100 Great Neck, NY 11022
16.	2990 Berlin Turnpike	Donald F. and Betsy B. Libretta 9526 Lemay Street Vienna, VA 22182
17.	2970 Berlin Turnpike	State of Connecticut 2780 Berlin Turnpike Newington, CT 06111
18.	2950 Berlin Turnpike	Donald F. and Betsy B. Libretta 9526 Lemay Street Vienna, VA 22182

	Property Address	Owner's and Mailing Address
19.	2920 Berlin Turnpike	2920 Berlin Turnpike LLC c/o William Martoccia 4 Saddle Road Stony Brook, NY 11790-2015
20.	2710-2880 Berlin Turnpike	State of Connecticut Department of Transportation 2800 Berlin Turnpike Newington, CT 06111
21.	8 Griswoldville Avenue	Dipak Parikh 10 Waverly Drive Newington, CT 06111