

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 SMALL CELL :  
TELECOMMUNICATIONS FACILITY AT THE :  
DURHAM FAIRGROUNDS, 24 TOWNHOUSE :  
ROAD, DURHAM, CONNECTICUT : SEPTEMBER 12, 2014

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 “small cell” telecommunications facility on the approximately 30 acre Durham Fairgrounds parcel at 24 Townhouse Road in Durham, Connecticut (the “Property”). The Property is owned by Durham Agricultural Fair Association (“Owner”).

II. Factual Background

Cellco currently maintains two (2) cell sites in the Town of Durham and three (3) cell sites in the adjacent Towns of Middletown and Wallingford which provide reliable wireless service in significant portions of Durham today. Reliable service in and around the Durham

Fairgrounds, however, remains problematic, particularly during the annual Durham Fair and other events at the fairgrounds that attract large crowds. During these events, Cellco experiences problems with reliable wireless service as these events place significant stresses on network capacity. To address these issues in the past, Cellco has installed temporary cell sites (Cell on Wheels or COWs) on the Property during the Durham Fair. As the need for these temporary cell sites grows around the State however, Cellco seeks to establish a more permanent solution for the wireless service problems at the Durham Fairgrounds. Cellco, therefore, seeks Council approval to install a “small cell” at the Property. The “small cell” will provide significant capacity relief and added coverage benefits at the Property and in the immediate area around the Property.

A. Cellco’s Service

Cellco is licensed to provide wireless telecommunications services in the 850 MHz, 1900 MHz, 700 MHz and 2100 MHz frequency ranges in Durham and throughout the State of Connecticut. Initially, the proposed Durham “small cell” is proposed to provide wireless service in Cellco’s 700 MHz frequency range only. Coverage plots showing Cellco’s service in Durham today and the coverage footprint for the proposed Durham Fairgrounds “small cell” facility are included in Attachment 1.

B. Proposed “Small Cell” Facility

The proposed “small cell” would be located in the westerly portion of the Property. At this location, Cellco proposes to remove an existing 30-foot tall wood pole, currently used to support loud speakers and lighting, and replace it with a new 30-foot steel pole in the same location. Cellco would install two (2) flush-mounted “small cell” antennas at the top of the new pole and two (2) remote radio heads, one beneath each antenna. A loud speaker and lights would be re-installed on the new steel pole below Cellco’s equipment. (See Cellco’s Project Plans

included in Attachment 2). Radio equipment associated with the “small cell” antennas will be located inside a small cabinet attached to the side of an existing building adjacent to the new steel pole location. The equipment cabinet will house all of Cellco’s radio equipment and a battery back-up power supply system. Antenna cables, fiber optics, electric and telephone service to the “small cell” equipment will extend from existing service on the Property. Specifications for the “small cell” antennas are included in Attachment 3.

### III. 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 the proposed 30-foot steel pole with two (2) “small cell” antennas and two (2) remote radio heads attached at the top, and the mounting of equipment on the side of the existing facilities building on the Property, will not involve a significant alteration in the physical and environmental characteristics of the Property. Cellco’s new 30-foot steel pole will be placed in the same location as an existing wood pole, which will be removed. The existing wood pole is not structurally capable of supporting the existing speakers, lights and Cellco’s proposed antennas. Antenna cables will be installed inside

the new steel pole. Access to the new pole location and equipment would extend over existing roads and paved driveways on the Property. No tree removal is required and only minimal ground disturbance is needed to install the replacement pole.

2. Visual Effects

The speaker pole that Cellco intends to replace on the Property, is one of several wood poles used to support site lighting and loud speakers at the Property. The 30-foot tall replacement pole that Cellco intends to use to support its “small cell” antennas would be no more visible than any of the existing poles on the Property. The new pole will be visible only from the interior portions of the Property. The visual impacts associated with the new “small cell” pole would be minimal.

3. FCC Compliance

Radio frequency (“RF”) emissions from the proposed installation will be far below the standards adopted by the Federal Communications Commission (“FCC”). Included in Attachment 4 is a worst-case MPE calculation for Cellco’s “small cell” antennas. The “small cell” facility described in this filing operates at power levels far below that of typical wireless base stations. The small cell facility will, therefore, operate well within the RF emission safety standards established by the FCC.

4. FAA Summary Report

Included in Attachment 5 of this Petition is a Federal Airways & Airspace Summary Report verifying that the new 30-foot replacement pole 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 First Selectman, Property Owner and Abutting Landowners

On September 12, 2014, a copy of this Petition was sent to Durham First Selectman, Laura Francis and to the Durham Agricultural Fair Association, the Owner of the Property. Notice of Cellco's intent to file this Petition was also sent to the owners of land that abuts the Property. Included in Attachment 6 is a copy of the letters sent to First Selectman Francis and the Owner, a sample abutter's letter, and the list of those abutting landowners who were sent notice of the filing of the Petition.

IV. Conclusion

Based on the information provided above, Cellco respectfully requests that the Council issue a determination in the form of a declaratory ruling that the installation of a 30-foot steel replacement pole used to support a "small cell" wireless facility 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

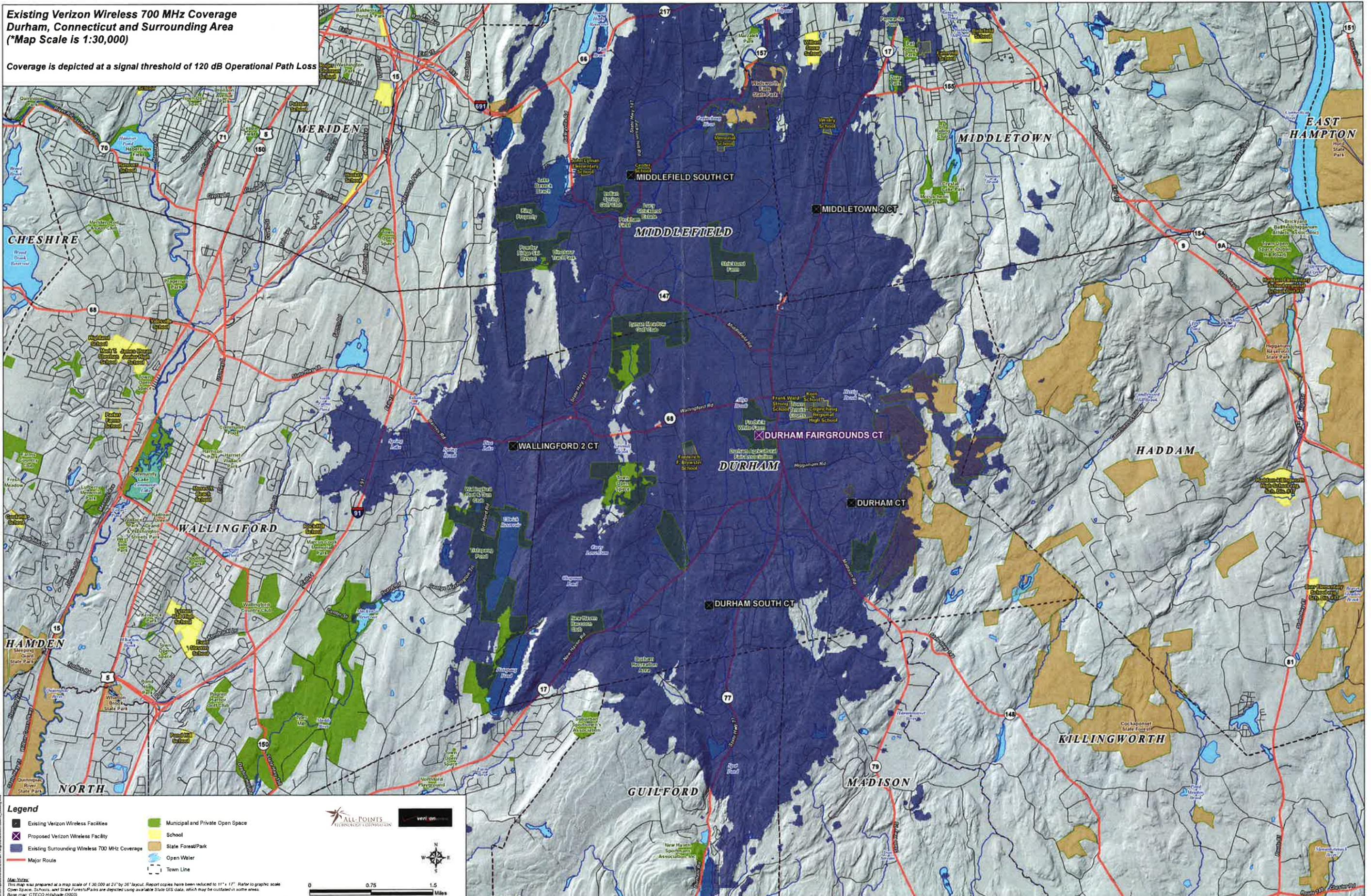
By 

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

# **ATTACHMENT 1**

**Existing Verizon Wireless 700 MHz Coverage  
Durham, Connecticut and Surrounding Area  
(\*Map Scale is 1:30,000)**

Coverage is depicted at a signal threshold of 120 dB Operational Path Loss



**Legend**

- Existing Verizon Wireless Facilities
- Proposed Verizon Wireless Facility
- Existing Surrounding Wireless 700 MHz Coverage
- Major Route
- Municipal and Private Open Space
- School
- State Forest/Park
- Open Water
- Town Line

**ALL-POINTS TECHNOLOGY CORPORATION**

**verizon**

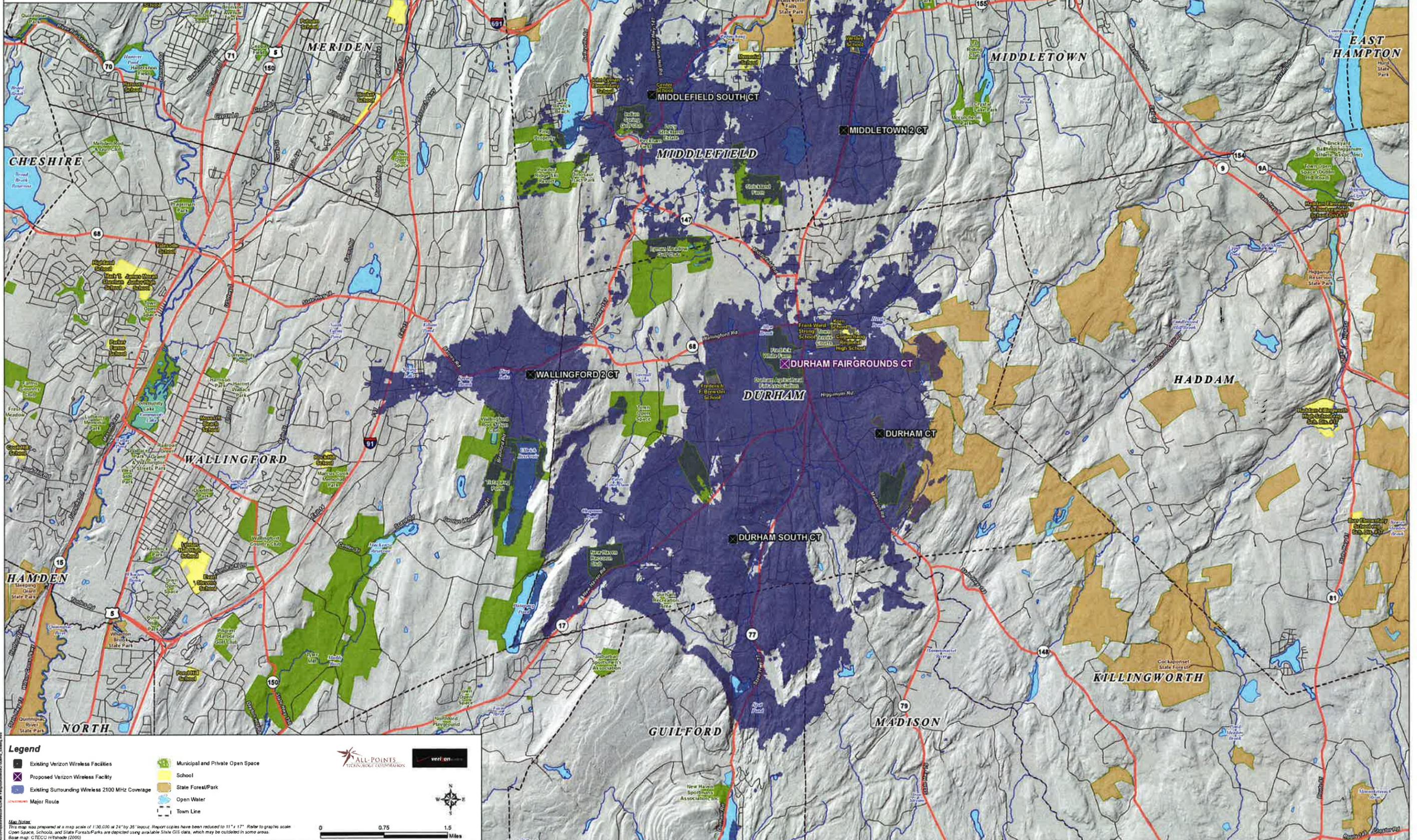
**Map Notes:**  
This map was prepared at a map scale of 1:30,000 at 24" by 36" layout. Report copies have been reduced to 11" x 17". Refer to graphic scale. Open Space, Schools, and State Forests/Parks are depicted using available State GIS data, which may be outdated in some areas. Base map: CTECO Hishade (2009)

0 0.75 1.5 Miles



**Existing Verizon Wireless 2100 MHz Coverage  
Durham, Connecticut and Surrounding Area  
(\*Map Scale is 1:30,000)**

Coverage is depicted at a signal threshold of 120 dB Operational Path Loss

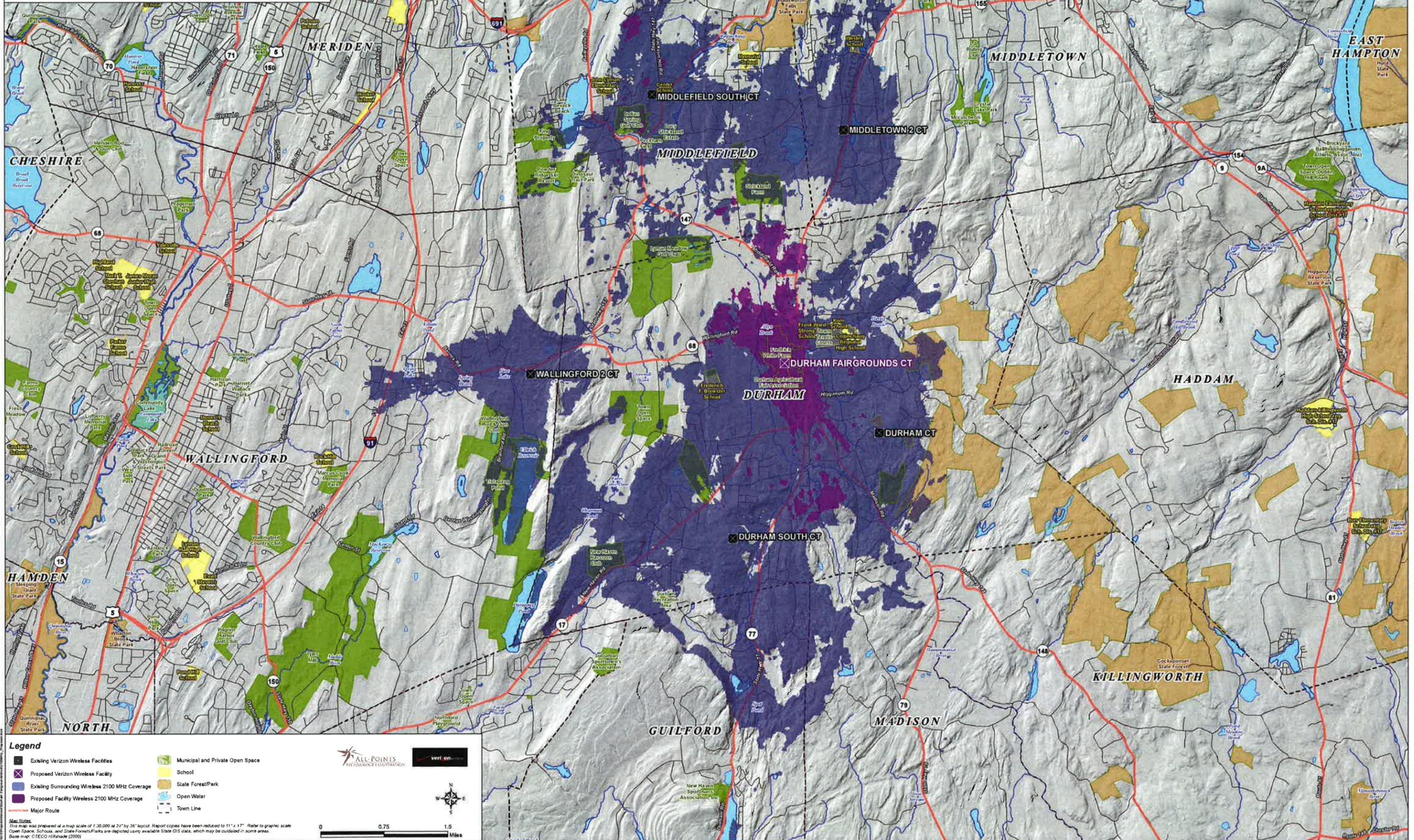


- Legend**
- Existing Verizon Wireless Facilities
  - Proposed Verizon Wireless Facilities
  - Existing Surrounding Wireless 2100 MHz Coverage
  - Major Route
  - Municipal and Private Open Space
  - School
  - State Forest/Park
  - Open Water
  - Town Line

Map Notes:  
This map was prepared at a map scale of 1:30,000 at 24" by 36" layout. Report copies have been reduced to 11" x 17". Refer to graphic scale.  
Open Space, Schools, and State Forests/Parks are depicted using available State GIS data, which may be outdated in some areas.  
Base map: CTECO H/Hshade (2009)

**Proposed Verizon Wireless 2100 MHz Coverage  
Durham, Connecticut and Surrounding Area  
(\*Map Scale is 1:30,000)**

Coverage is depicted at a signal threshold of 120 dB Operational Path Loss



**Legend**

- Existing Verizon Wireless Facilities
- Proposed Verizon Wireless Facility
- Existing Surrounding Wireless 2100 Mhz Coverage
- Proposed Facility Wireless 2100 Mhz Coverage
- Major Route
- Municipal and Private Open Space
- School
- State Forest/Park
- Open Water
- Town Line

**Map Notes:**  
This map was prepared at a map scale of 1:30,000 at 21" by 36" layout. Report copies have been reduced to 11" x 17". Refer to graphic scale. Open Space, Schools, and State Forests/Parks are depicted using available State GIS data, which may be outdated in some areas. Base map: CTECO H/Hazude (2000)

# **ATTACHMENT 2**

# Cellco Partnership

d.b.a. **verizon** wireless

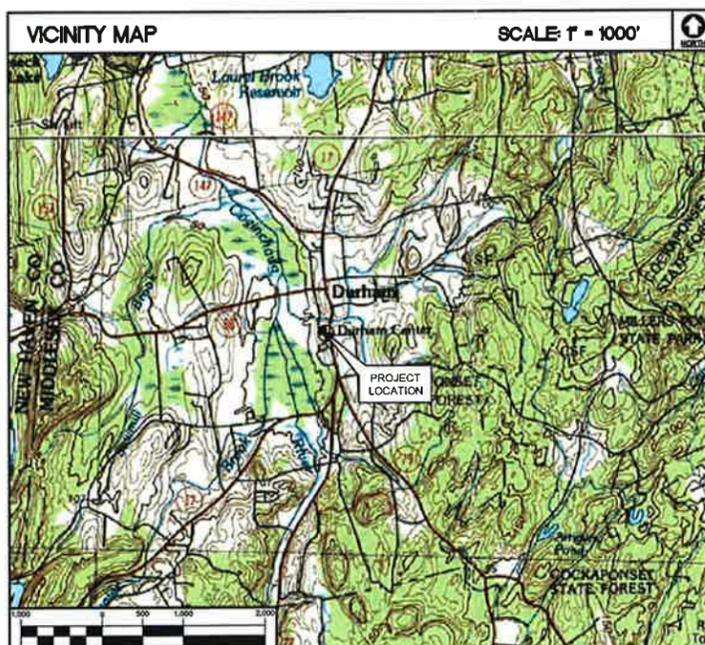
## WIRELESS COMMUNICATIONS FACILITY

DURHAM FAIRGROUNDS  
24 TOWN HOUSE ROAD  
DURHAM, CT 06422

SITE DIRECTIONS	
FROM:	TO:
99 EAST RIVER DRIVE EAST HARTFORD, CONNECTICUT	24 TOWN HOUSE ROAD DURHAM, CT 06422
1. Head northeast on E River Dr	0.9 mi
2. Merge left onto I-84 E toward CT-2 E/Norwich	3.5 mi
3. Keep left to take I-84 toward Boston	26.8 mi
4. Take the CT-190 exit toward Union	0.2 mi
5. Turn right onto Buckley Hwy	1.9 mi
6. Turn right onto Bigelow Hollow Rd	4.1 mi
7. Turn right onto Eastford Rd	3.1 mi
8. Turn left onto Rt 171	3.7 mi
9. Turn slight right to stay on Rt 171	3.0 mi
10. Turn right onto Rt 189	0.2 mi

GENERAL NOTES
1. PROPOSED ANTENNA LOCATIONS AND HEIGHTS PROVIDED BY CELCO PARTNERSHIP.

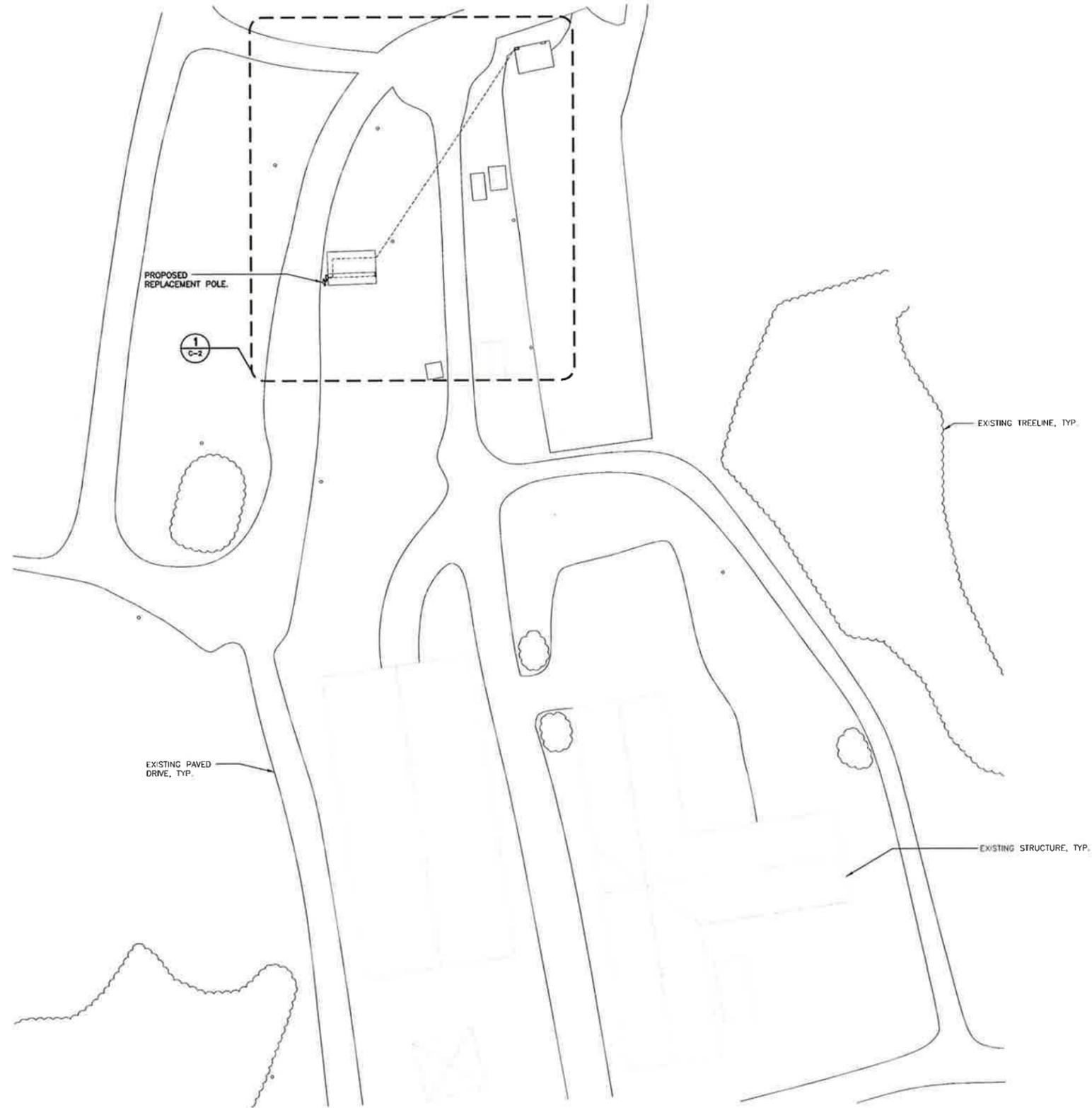
PROJECT SCOPE
1. THE PROPOSED SCOPE OF WORK GENERALLY INCLUDES THE REPLACEMENT OF THE EXISTING ±25' TALL WOODEN POLE TO BE REPLACED WITH PROPOSED ±30' TALL STEEL POLE.
2. PROPOSED CELCO PARTNERSHIP ANTENNAS (TYP. OF 2) AND APPURTENANCES TO BE MOUNTED TO PROPOSED REPLACEMENT POLE.
3. EXISTING 4" UNDERGROUND CONDUIT TO BE USED TO ROUTE PROPOSED FIBER TO THE EXISTING FACILITIES STRUCTURE.
4. EXISTING ELECTRICAL PANEL TO BE UPGRADED AND UTILIZED BY CELCO PARTNERSHIP.



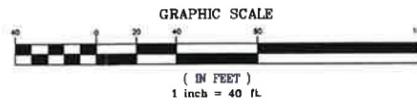
PROJECT SUMMARY	
SITE NAME:	DURHAM FAIRGROUNDS
SITE ADDRESS:	24 TOWN HOUSE ROAD DURHAM, CT 06422
LESSEE/TENANT:	CELCO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT 06108
CONTACT PERSON:	SANDY CARTER CELCO PARTNERSHIP (860) 803-8219
TOWER COORDINATES:	LATITUDE: 41°-28'-18.634"N LONGITUDE: 72°-41'-03.516"W GROUND ELEVATION: ±156.4'AMSL
COORDINATES & GROUND ELEVATION ARE REFERENCED FROM FAA 1-A FROM MARTINEZ COUCH AND ASSOCIATES L.L.C DATED JULY 21, 2014	

SHEET INDEX		
SHT. NO.	DESCRIPTION	REV. NO.
T-1	TITLE SHEET	0
C-1	SITE LOCATION PLAN	0
C-2	PARTIAL SITE PLAN AND ELEVATION	0

ISSUED FOR CSC-CLIENT REVIEW	DMD	DATE	REV.
DISSEMINATION	DRAWN BY	CHKD BY	0
09/04/14	09/04/14	09/04/14	0
CENTEK engineering 6201 486-0580 6201 486-8927 Fax 632 North Hartford Road Hartford, CT 06105 www.CentekEng.com			
Cellco Partnership d/b/a Verizon Wireless WIRELESS COMMUNICATIONS FACILITY <b>DURHAM FAIRGROUNDS</b> 24 TOWN HOUSE ROAD DURHAM, CT 06422			
DATE: 09/04/14			
SCALE: AS NOTED			
JOB NO. 14094.000			
TITLE SHEET			
T-1			
Sheet No. 1 of 3			



1 SITE LOCATION PLAN  
C-1 SCALE: 1" = 40'



REV.	DATE	BY	CHKD BY	DESCRIPTION
0	09/04/14	JAW	DMD	ISSUED FOR CSC-CLIENT REVIEW

PROFESSIONAL ENGINEER SEAL

Calco Partnership  
d.b.a. Verizon Wireless

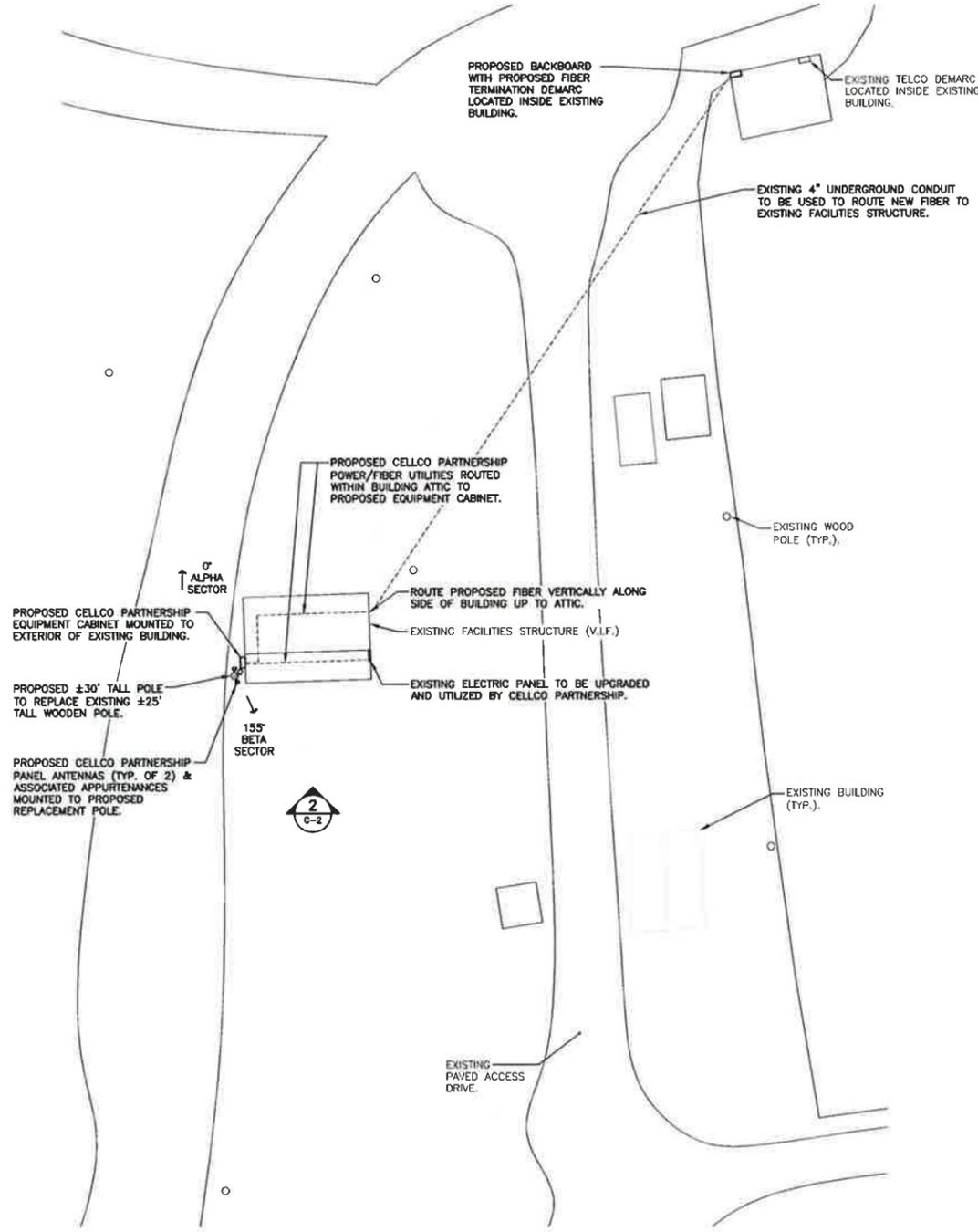
**CEN TEK** engineering  
*Centelco on location*  
2031 484-0580  
2031 484-4337 Fax  
43-2 North Branford Road  
Branford, CT 06405  
www.CentelcoEng.com

Calco Partnership d/b/a Verizon Wireless  
WIRELESS COMMUNICATIONS FACILITY  
**DURHAM FAIRGROUNDS**  
24 TOWN HOUSE ROAD  
DURHAM, CT 06422

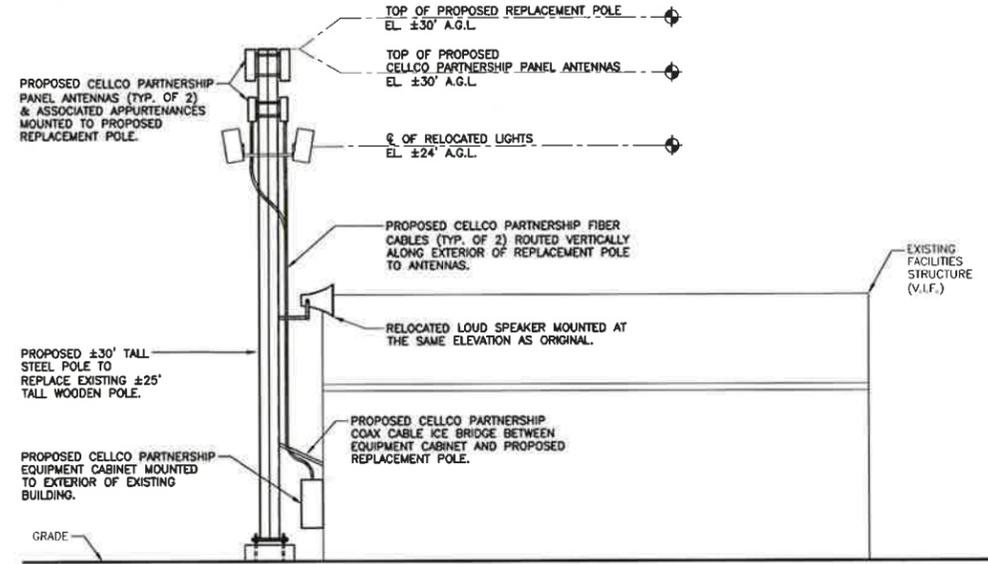
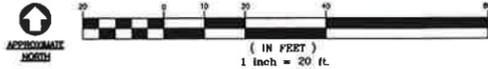
DATE: 09/04/14  
SCALE: AS NOTED  
JOB NO. 14094.000

SITE LOCATION PLAN

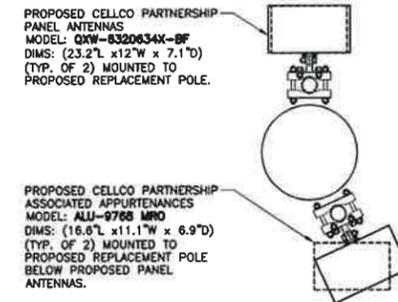
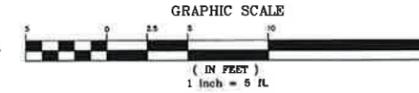
**C-1**  
Sheet No. 2 of 3



**1 SITE PLAN**  
C-2 SCALE: 1" = 20'



**2 SOUTH ELEVATION**  
C-2 SCALE: 1" = 5'



**3 ANTENNA MOUNTING CONFIGURATION**  
C-2 SCALE: 1" = 1'

ISSUED FOR CSC-CLIENT REVIEW	DATE	09/09/14	DATE	09/09/14	DATE	09/09/14	DATE	09/09/14
DESCRIPTION	REV.	0	DATE	09/09/14	DATE	09/09/14	DATE	09/09/14
DRAWN BY: CHCD BT								
PROFESSIONAL ENGINEER SEAL								
 d.b.a. Verizon Wireless								
 Centek or better								
(203) 488-0580 (203) 488-8587 Fax 63-2 North Branford Road Branford, CT 06405 www.CentekEng.com								
<b>Cellco Partnership d/b/a Verizon Wireless</b> WIRELESS COMMUNICATIONS FACILITY <b>DURHAM FAIRGROUNDS</b> 24 TOWN HOUSE ROAD DURHAM, CT 06422								
DATE: 09/04/14								
SCALE: AS NOTED								
JOB NO. 14094.000								
PARTIAL SITE PLAN AND ELEVATION								
<b>C-2</b>								
Sheet No. 3 of 3								

# **ATTACHMENT 3**

## QXW-632X634XBF-EDIN

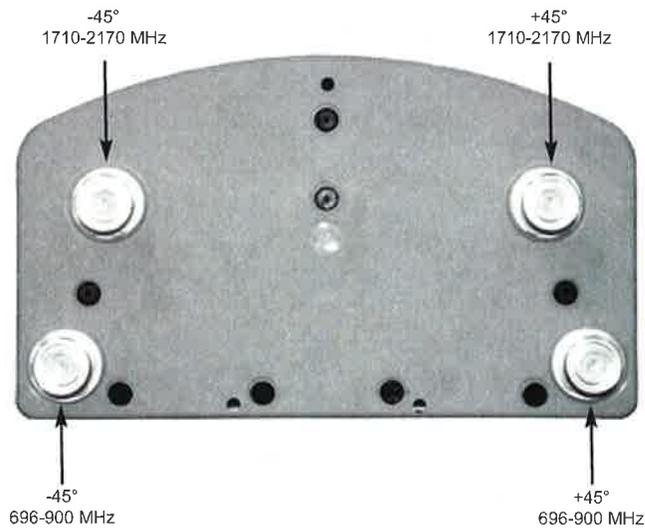
Replace "X" with desired electrical downtilt.

XX-Pol | Dual Band FET Panel | 63° / 63° | 11.6 / 14.3 dBi

Electrical Characteristics	696-900 MHz		1710-2170 MHz		
	Frequency bands	696-806	806-900	1710-1880	1850-1990
Polarization	±45°		±45°		
Horizontal beamwidth	70°	65°	65°	63°	61°
Vertical beamwidth	37°	35°	18°	18°	18°
Gain	9.0 dBd / 11.1 dBi	9.5 dBd / 11.6 dBi	11.8 dBd / 13.9 dBi	12.1 dBd / 14.2 dBi	12.2 dBd / 14.3 dBi
Electrical downtilt (X)	0		0		
Impedance	50Ω		50Ω		
VSWR	≤1.5:1		≤1.5:1		
Isolation between ports	25 dB		25 dB		
IM3 (2x20W carriers)			-150 dBc		
Input power	500 W		300 W		
Lightning protection	Direct ground				
Connector(s)	4 / 7-16 DIN / Female / Bottom				
Mechanical Characteristics					
Dimensions Length x Width x Depth	589 x 305 x 180 mm		23.2 x 12.0 x 7.1 in		
Weight without mounting brackets	5 kg		11 lbs		
Survival wind speed	> 201 km/hr		> 125 mph		
Wind area	Front: 0.18 m <sup>2</sup>	Side: 0.11 m <sup>2</sup>	Front: 1.9 ft <sup>2</sup>	Side: 1.1 ft <sup>2</sup>	
Wind load @ 161 km/hr (100 mph)	Front: 219 N	Side: 129 N	Front: 49 lbf	Side: 29 lbf	
Mounting Options	Part Number	Fits Pipe Diameter		Weight	
2-Point Mounting & Downtilt Bracket Kit	36210006	40-115 mm	1.57-4.5 in	4.1 kg	9.0 lbs



### Antenna Bottom View

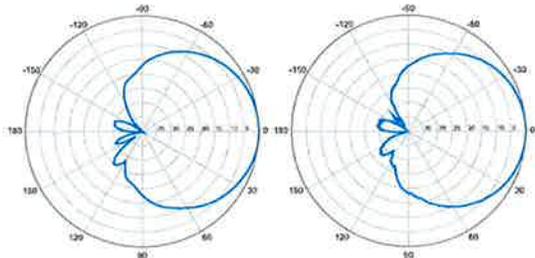


Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

QXW-632X634XBF-EDIN

XX-Pol | Dual Band FET Panel | 63° / 63° | 11.6 / 14.3 dBi

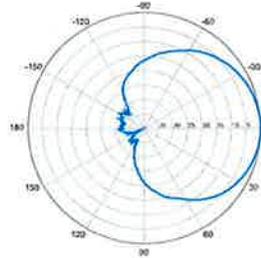
696-900 MHz



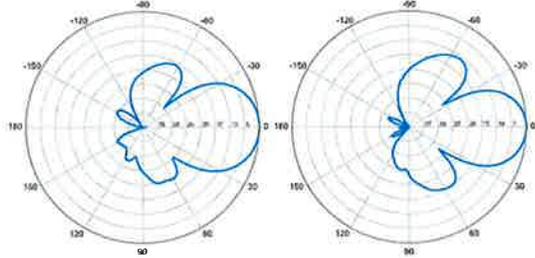
Horizontal | 696-806 MHz

Horizontal | 806-900 MHz

1710-2170 MHz

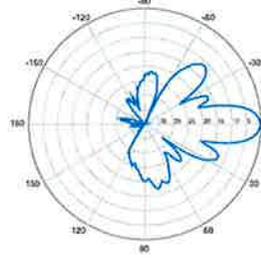


Horizontal | 1710-2170 MHz



0° | Vertical | 696-806 MHz

0° | Vertical | 806-900 MHz



0° | Vertical | 1710-2170 MHz

Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

# **ATTACHMENT 4**

Site Name: **DURHAM FAIRGROUNDS 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 <sup>2</sup> )	Maximum Permissible Exposure* (mW/cm <sup>2</sup> )	Fraction of MPE (%)
VZW 700	751	1	3.97	3.97	20	0.0036	0.5007	0.71%
VZW Cellular	878.49	0	0	0	20	0.0000	0.5857	0.00%
VZW PCS	1973.75	0	0	0	20	0.0000	1.0000	0.00%
VZW AWS	2120	1	8.30	8.30	20	0.0075	1.0000	0.75%
<b>Total Percentage of Maximum Permissible Exposure</b>								<b>1.46%</b>

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

MHz = Megahertz

mW/cm<sup>2</sup> = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.

# **ATTACHMENT 5**

\*\*\*\*\*  
 \* Federal Airways & Airspace  
 \*  
 \* Summary Report: Alteration Of Existing Structure  
 \*  
 \* Antenna Structure  
 \*

\*\*\*\*\*  
 Airspace User: Your Name  
 File: DURHAM\_FAIRGROUNDS\_SC\_CT  
 Location: Durham, CT  
 Distance: 5.5 Statute Miles  
 Direction: 16° (true bearing)  
 Latitude: 41°-28'-16.63" Longitude: 72°-  
 41'-3.516"  
 SITE ELEVATION AMSL.....156.4 ft.  
 STRUCTURE HEIGHT..... 30 ft.  
 OVERALL HEIGHT AMSL.....186 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  
 MMK  
 FAR 77.9: NNR FAR 77.9 IFR Straight-In Notice Criteria for  
 SNC  
 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.

If the proposed construction is an alteration to an existing structure,  
 notice requirements may be superceded by the item exemptions listed below.

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.

No frequencies were identified in this alteration are included in the FAA's Co-Location Policy published in the Federal Register November 15, 2007.

Therefore, application of the Co-Location Policy notice exemption rule can not be applied.

The proposed alteration will increase the width of the existing structure.

If the increase in width exceeds the tolerance of the horizontal component of the survey submitted to the FAA notice is required under the guidelines of Title 14 CFR Part 77.9. If the horizontal tolerance is not known, an increase beyond a '1A' survey limit would require notice under Title 14 CFR Part 77.9.

#### 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: MMK: MERIDEN MARKHAM MUNI

Type: A RD: 41128.81 RE: 98.6

FAR 77.17(a)(1): DNE  
FAR 77.17(a)(2): Does Not Apply.  
VFR Horizontal Surface: DNE

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

VFR TRAFFIC PATTERN AIRSPACE FOR: SNC: CHESTER

Type: A RD: 57369.39 RE: 395  
 FAR 77.17(a)(1): DNE  
 FAR 77.17(a)(2): Does Not Apply.  
 VFR Horizontal Surface: DNE  
 VFR Conical Surface: DNE  
 VFR Approach Slope: DNE  
 VFR Transitional Slope: DNE

TERPS DEPARTURE PROCEDURE (FAA Order 8260.3, Volume 4)

FAR 77.17(a)(3) Departure Surface Criteria (40:1)  
 DNE Departure Surface

MINIMUM OBSTACLE CLEARANCE ALTITUDE (MOCA)

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

PRIVATE LANDING FACILITIES

ARP FAA	FACIL	IDENT TYP NAME	BEARING To FACIL	RANGE IN NM	DELTA
94	CT39	AIR MAPLEWOOD FARM	260.71	1.1	-
		DNE Horizontal Surface. Check Runway Approach Surface. Within 1 NM. No Impact to Private Landing Facility. DNE 200 ft AGL within 3 NM of Airport.			
164	OCT1	HEL BRISTOL-MYERS SQUIBB COMPANY	284	3.34	-
		No Impact to Private Landing Facility Structure 6 ft below heliport.			
147	CT21	HEL C N FLAGG	299.39	4.46	-
		No Impact to Private Landing Facility Structure 2 ft below heliport.			
+129	CT98	HEL MIDDLESEX HOSPITAL	18.98	5.29	-
		No Impact to Private Landing Facility Structure is beyond notice limit by 27143 feet.			

AIR NAVIGATION ELECTRONIC FACILITIES

GRND	FAC		ST			DIST	DELTA		
ANGLE	APCH	IDNT	TYPE	AT	FREQ	VECTOR	(ft)	ELEVA	ST LOCATION
BEAR									
-.03	MAD		VOR/DME	R	110.4	182.15	57411	-34	CT MADISON
-.53	HFD		VOR/DME	R	114.9	31.15	72331	-663	CT HARTFORD
.11	HVN		VOR/DME	R	109.8	215.84	94011	+180	CT NEW HAVEN
.06	BDR		VOR/DME	R	108.8	226.75	165623	+177	CT BRIDGEPORT
-.02	BDL		RADAR	ON		.17	170268	-50	CT BRADLEY INTL
.01	BDL		VORTAC	D	109.0	359.61	171162	+26	CT BRADLEY
.06	GON		VOR/DME	R	110.8	106.69	180925	+177	CT GROTON
-.04	ORW		VOR/DME	I	110.0	80.39	190150	-124	CT NORWICH
.03	CCC		VOR/DME	R	117.2	189.04	199863	+101	NY CALVERTON
-.04	QVH		RADAR ARSR	Y	1326.9	180.21	215915	-165	NY RIVERHEAD
-.01	OKX		RADAR WXL	Y		192.57	226181	-35	NY BRENTWOOD

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: WMRD @ 10939 meters.

Airspace® Summary Version 14.7.367

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08-21-2014  
16:59:20

# **ATTACHMENT 6**

September 12, 2014

*Via Certified Mail, Return Receipt Requested*

Laura L. Francis, First Selectwoman  
Town of Durham  
30 Townhouse Road  
P.O. Box 428  
Durham, CT 06422

**Re: Installation of a Small Cell Telecommunications Facility at the Durham  
Fairgrounds, 24 Townhouse Road, Durham, Connecticut**

Dear Ms. Francis:

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 “small cell” telecommunications facility on the Durham Fairgrounds at 24 Townhouse Road in Durham (the “Property”).

The proposed “small cell” would be located in the westerly portion of the Property. At this location, Cellco proposes to remove an existing 30-foot tall wood pole, currently used to support loud speakers and lighting, and replace it with a new 30-foot steel pole in the same location. Cellco would install two (2) flush-mounted “small cell” antennas at the top of the new pole and two (2) remote radio heads beneath the antennas. A loud speaker and lights would be re-installed on the new steel pole below Cellco’s antennas and remote radio heads. Equipment associated with the small cell antenna will be maintained in a small cabinet, attached to the outside wall of an existing facilities structure adjacent to the steel pole.

A copy of Cellco’s 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’s project plans.

# Robinson+Cole

Laura L. Francis  
September 12, 2014  
Page 2

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

Sincerely,



Kenneth C. Baldwin

KCB/kmd  
Attachment  
Copy to:  
Sandy M. Carter

September 12, 2014

*Via Certified Mail, Return Receipt Requested*

Daniel Miramant, President  
Durham Agricultural Fair Association  
24 Town House Road  
P.O. Box 225  
Durham, CT 06422

Re: **Installation of a Small Cell Telecommunications Facility at the Durham Fairgrounds, 24 Townhouse Road, Durham, 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 “small cell” telecommunications facility on the Durham Fairgrounds at 24 Townhouse Road in Durham (the “Property”).

The proposed “small cell” would be located in the westerly portion of the Property. At this location, Cellco proposes to remove an existing 30-foot tall wood pole, currently used to support loud speakers and lighting, and replace it with a new 30-foot steel pole in the same location. Cellco would install two (2) flush-mounted “small cell” antennas at the top of the new pole and two (2) remote radio heads beneath the antennas. A loud speaker and lights would be re-installed on the new steel pole below Cellco’s antennas and remote radio heads. Equipment associated with the small cell antenna will be maintained in a small cabinet, attached to the outside wall of an existing facilities structure adjacent to the steel pole.

A copy of Cellco’s 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’s project plans.

13123444-v1

# Robinson+Cole

Daniel Miramant  
September 12, 2014  
Page 2

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

Sincerely,

A handwritten signature in black ink, appearing to read 'K. Baldwin', written in a cursive style.

Kenneth C. Baldwin

KCB/kmd  
Attachment  
Copy to:  
Sandy M. Carter

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

September 12, 2014

*Via Certified Mail, Return Receipt Requested*

«Name\_and\_Address»

**Re: Notice of Intent to File a Petition for Declaratory Ruling with the Connecticut Siting Council for the Installation of a “Small Cell” Telecommunications Facility at the Durham Fairgrounds, 24 Townhouse Road, Durham, Connecticut**

Dear «Salutation»:

This firm represents Cellco Partnership d/b/a Verizon Wireless (“Cellco”). Today, Cellco filed a Petition for Declaratory Ruling (“Petition”) with the Connecticut Siting Council (“Council”) seeking approval to install a new “small cell” telecommunications facility at the Durham Fairgrounds, 24 Townhouse Road in Durham (the “Property”). The small cell will be located in the westerly portion of the Property and will consist of two (2) flush-mounted antennas and two (2) remote radio heads attached to a new 30-foot steel pole. The pole will also support loud speakers and lights used by the property owner, the Durham Agricultural Fair Association. Equipment associated with the facility will be maintained in a small cabinet, attached to the outside wall of a facilities building adjacent to the pole. A set of Project Plans showing the location of Cellco’s proposed small cell are attached for your review.

This notice is being sent to you because you are listed as an owner of land that abuts the Property. If you have any questions regarding the Petition, the Council’s process for reviewing the proposed 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.

September 12, 2014  
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

Copy to:

Sandy M. Carter

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

**ABUTTING PROPERTY OWNERS**

**24 TOWN HOUSE ROAD  
DURHAM, CONNECTICUT**

	<u>Map/Lot</u>	<u>Property Address</u>	<u>Owner and Mailing Address</u>
1.	58/4	16 Main Street	Lamos LLC P.O. Box 120111 East Haven, CT 06512
2.	58/10	52 Main Street	Durham Agricultural Fair Association P.O. Box 225 Durham, CT 06422
3.	58/11	62 Main Street	Durham Agricultural Fair Association P.O. Box 225 Durham, CT 06422
4.	58/12	68 Main Street	Durham Agricultural Fair Association P.O. Box 225 Durham, CT 06422
5.	58/6	Main Street	Durham Agricultural Fair Association P.O. Box 225 Durham, CT 06422
6.	58/4-1	Main Street	Town of Durham P.O. Box 428 Durham, CT 06422
7.	67/1	Parmalee Hill Road	State of Connecticut 79 Elm Street Hartford, CT 06115
8.	48/7	Maple Avenue	Town of Durham P.O. Box 428 Durham, CT 06422
9.	48/6	Maple Avenue	Durham Agricultural Fair Association P.O. Box 225 Durham, CT 06422
10.	48/5	Maple Avenue	Durham Agricultural Fair Association P.O. Box 225 Durham, CT 06422

	<u>Map/Lot</u>	<u>Property Address</u>	<u>Owner and Mailing Address</u>
11.	48/3	30 Town House Road	Town of Durham P.O. Box 428 Durham, CT 06422
12.	48/1	18 Town House Road	Cheryl N. Salva 18 Town House Road Durham, CT 06422
13.	58/13-1	Town House Road	Durham Agricultural Fair Association P.O. Box 225 Durham, CT 06422
14.	58/13	10 Town House Road	Adele M. Eames 10 Town House Road Durham, CT 06422
15.	48/64	Town House Road	Town of Durham P.O. Box 428 Durham, CT 06422
16.	48/16	41 Maple Avenue	Shirley W. Bielefield 41 Maple Avenue Durham, CT 06422
17.	48/17	29 Maple Avenue	Kristina L. and Mark B. Gossner 29 Maple Avenue Durham, CT 06422
18.	48/18	13 Maple Avenue	Malcolm Alexander Ross, Jr. 13 Maple Avenue Durham, CT 06422
19.	48/15	17 Johns Way	John A. and Kathleen N. Corona 17 Johns Way Durham, CT 06422