STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:	:	
	:	
A PETITION OF CROWN CASTLE AND CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS FOR A DECLARATORY RULING ON THE NEED TO OBTAIN A SITING COUNCIL CERTIFICATE FOR THE MODIFICATION OF AN EXISTING TELECOMMUNICATIONS FACILITY AT 845 ETHAN ALLEN HIGHWAY, RIDGEFIELD, CONNECTICUT	:	PETITION NO. ____
	:	DECEMBER 1, 2022

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."), Crown Castle ("Crown") and Cellco Partnership d/b/a Verizon Wireless ("Cellco") (collectively the "Petitioners") hereby petition 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 modify the existing wireless telecommunications facility at 845 Ethan Allen Highway (Route 7) in Ridgefield, Connecticut.[1] The proposed facility modifications involve replacing the existing flagpole tower with a taller monopole structure, the installation of Cellco antennas on a triangular antenna platform at the top of the tower and the

[1] Crown Site ID# 826927; Crown Site Name – Redding/RT7.

expansion of the facility compound to accommodate Cellco's ground-based wireless equipment and back-up generator. If approved, the modified facility would allow Cellco to provide its customers and emergency service providers with enhanced wireless service in eastern Ridgefield and northwest Redding. Cellco has identified this cell site as its "Ridgefield 2 Facility". The new monopole will also be designed to support full antenna platforms for Sprint, T-Mobile and AT&T if they choose to modify their existing antennas arrays.

II. Factual Background

On December 5, 2000, the Town of Ridgefield Planning and Zoning Commission approved a Special Permit Application filed by Omnipoint Communications/Voice Stream Wireless ("Omnipoint"), to establish a wireless telecommunications facility on an approximately 1.8-acre parcel at 845 Ethan Allen Highway (Route 7) in Ridgefield (the "Property"). The Property is owned by 845 LLC and, according to Town of Ridgefield ("Town") land records, is used for light industrial purposes. The Property is surrounded by other commercial and light industrial land uses, in commercial zoning districts to the north, south and east, along Route 7, and open space and residential uses to the west. An existing gravel access driveway extends from Ethan Allen Highway along the northerly side of the Property to the existing wireless facility. (*See* Site Aerial Photograph included in Attachment 1).

The existing Crown facility consists of a 100-foot unipole/flagpole tower shared by T-Mobile with antennas at the 97-foot level; Sprint with antennas at the 80-foot level; and AT&T with antennas at the 70-foot level. All of the existing antennas are located behind a Radio Frequency ("RF") transparent screening shroud. Radio equipment associated with the existing Sprint, T-Mobile and AT&T antennas is located within a 20-foot by 32-foot fenced facility compound, immediately adjacent to the north side of the building on the Property.

According to its on-line data base, the Council first exercised jurisdiction over the existing facility in 2001, when it approved certain facility modifications for Sprint (EM-Sprint-118-010427). Similar facility modifications were approved by the Council for AT&T in 2002 (EM-AT&T-118-020820), 2004 (EM-AT&T-118-080730) and 2011 (EM-AT&T-118-111107), and 2013 (EM-AT&T-118-131030), for T-Mobile in 2014 (EM-T-Mobile-118-141027), and for Sprint again in 2019 (EM-SPRINT-118-190502).

Cellco is licensed to provide wireless telecommunications services in the 700 MHz, 850 MHz, 1900 MHz, 2100 MHz, 3550 MHz and 3600 MHz (5G) frequency ranges in Ridgefield and throughout the State of Connecticut. Cellco's wireless service in eastern portions of Ridgefield is currently provided by four existing macro-cell facilities, identified as *Ridgefield CT*, a tower at the Ridgefield Police Department, 76 East Ridge Road; *Ridgefield 5*, a rooftop facility at 37 Danbury Road; *Ridgefield 3*, a tower at 320 Old Stagecoach Road; and *Topstone*, a tower at 100 Old Redding Road in Redding. Coverage Plots showing the extent of wireless service from these existing cell sites alone, and together with service from the proposed "Ridgefield 2" Facility are included in Attachment 2. As indicated on these plots, Cellco currently experiences a series of significant coverage gaps and areas of unreliable or non-existent wireless service along portions of Routes 7 and 35 and local roads in the surrounding area in each of its operating frequencies. The proposed Ridgefield 2 Facility would allow Cellco to fill these service gaps, improve existing wireless service in the area overall and provide capacity relief to each of Cellco's adjacent cell sites.

III. Proposed Ridgefield 2 Facility Modifications

To accommodate Cellco's needs in the area, Crown proposes to remove the existing 100-foot flagpole/unipole tower and replace it with a new 110-foot monopole tower. The new

monopole tower will be located approximately 25 feet to the northwest of the existing unipole tower. If the tower replacement is approved, Cellco will install nine (9) antennas on a triangular antenna platform at a centerline height of 106 feet above grade. Cellco's antennas would not extend above the top of the new tower. T-Mobile, Sprint and AT&T antennas will be relocated onto the new tower at the 96-foot, 79.5-foot and 69.5-foot levels, respectively.

To accommodate Cellco's ground-based equipment, Crown will need to expand the facility compound to the north, over a portion of the existing gravel access driveway. Cellco will install two equipment cabinets, a 50-kW backup generator, and three (3) vertically-mounted 120-gallon propane tanks, on a 11.3-foot x 19.5-foot steel equipment platform. A small (two to three feet tall) retaining wall will be installed along the north and west sides of the expanded facility compound so that Crown may maintain a level compound surface. Project plans for the modified wireless facility showing all proposed site improvements 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

Crown respectfully submits that the proposed facility modifications will not involve a

significant alteration in the physical and environmental characteristics of the Property or the surrounding area.

a. Wetland & Floodplain Impact Analysis

Dean Gustafson, Professional Soil Scientist with All-Points Technology Corporation ("APT") conducted a field investigation and completed a Wetland Inspection Report and a Wetland & Floodplain Impact Analysis for the proposed facility modifications. A copy of the Wetland Inspection Report and the Wetlands and Floodplain Impact Analysis is included in Attachment 4. A wetland area associated with the Ridgefield Brook ("Wetland 1"), is located, at its closest point, approximately twenty-five (25) feet north of the proposed retaining wall on the north side of the expanded facility compound. The proposed facility modifications will not, however, extend any closer to Wetland 1 than the existing gravel access driveway on the Property.

In accordance with the Connecticut Soil Erosion Control Guidelines, as established by the Council for Soil and Water Conservation, adequate and appropriate soil erosion and sedimentation control measures will be established and maintained throughout the construction of the proposed facility modifications. In addition, Cellco will employ appropriate construction management practices to ensure that no pollutants would be discharged to any nearby watercourses or wetland areas or to area groundwater during the construction and operation of the modified telecommunications facility. Minor temporary wetland impacts may occur during construction of the facility modifications. These temporary impacts will be mitigated through the proper installation and maintenance of soil erosion and sedimentation control measures and the development and implementation of a Wetland Protection Plan. *See* Attachment 4.

b. Floodplain Impact Analysis

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM), both the existing and the proposed facility compound would be located within a Special Flood Hazard Zone AE zone, with a Base Flood Elevation of 492 feet above mean sea level[2]. *See* FEMA Flood Hazard Map included in Attachment 4. To compensate for fill and other improvements associated with the proposed facility modifications, Cellco intends to excavate a portion of the Property, to the west of the tower site to create a compensatory flood storage area. The total flood storage capacity volume lost with the proposed site improvements is approximately 23.4 cubic yards ("CY") (retaining wall, fill, equipment platform pier foundations etc.). A 59.7 CY compensatory flood storage area will be established on the western edge of the Property, providing an unrestricted hydraulic connection to the Norwalk River, increasing its flood storage capacity by approximately 36.3 CY. Also included in Attachment 4 is the Petitioners' submission to the National Flood Insurance Program (State NFIP coordinator) at the Connecticut DEEP.

c. Access and Utilities

Vehicular access to the expanded facility compound will remain substantially unchanged and will extend from Ethan Allen Highway (Route 7) over an existing gravel access driveway. The access driveway will shift slightly to the north to accommodate the expanded facility compound. Utilities will extend from Ethan Allen Highway (Route 7) to a new multimeter utility backboard located to the east of Cellco's equipment platform. (*See* Attachment 3 Plan Sheet SP-1).

[2] All of Cellco's site improvements will be installed on an antenna platform above the base flood elevation.

2. Visual Effects

As discussed in numerous other Council filings, visual impact of a tower is often the most significant and, in many cases, the only discernible environmental effect associated with such facilities. To assess these conditions, Crown asked All-Points Technologies ("APT") to assess the visual impact of the existing 100-foot flagpole tower and compare it to the visual impact of the proposed 110-foot monopole tower as described in the Petition. A copy of APT's Photo-Documentation & Simulations report (the "Visibility Report") is included in Attachment 5.

The Visibility Report concludes that the predicted visibility of the replacement tower is estimated to be nearly identical to the existing flagpole tower. Minor variations in visibility are a result of the lateral shift of the tower to the northwest. Year-round visibility, an area of only approximately five-acres, would occur along portions of Route 7 and other areas within ½ mile of the new tower, primarily to the north. Limited areas of year-round visibility may also occur to the west. Overall, the visibility of the existing and replacement tower will remain the same, approximately 24-acres, representing approximately 0.3% of the 8,042-acre study area.

3. Compliance with Radio Frequency Emissions Standards

Cumulative radio frequency ("RF") emissions from the proposed replacement tower will not exceed the Maximum Permissible Exposure ("MPE") standards adopted by the Federal Communications Commission ("FCC"). Included in Attachment 6 is a Far Field RF Calculation for the new Cellco antennas on the modified tower and a Cumulative MPE Table confirming that the modified facility will operate well within MPE standards established by the FCC.

4. FAA Summary Report

Included in Attachment 7 of this Petition is an Airspace Safety Analysis and Compliance (ASAC) Report verifying that the new 110-foot tower at the Property would not constitute an

obstruction or hazard to air navigation. Therefore, notice to the FAA is not required.

In sum, the effect of the modified facility on the environment would be minimal and limited, rather than significant. This stands in contrast to typical proposals for new towers that frequently must be located on properties with no other approved towers, or with no development at all. Thus, the proposed replacement would not present a substantial adverse environmental effect and is not a modification for which the General Assembly intended to require a Certificate under C.G.S. § 16-50k(a).

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

On December 1, 2022, a copy of this Petition was sent to Ridgefield's First Selectman Rudy Marconi, Planning and Zoning Director Alice Dew and 845 LLC, the Property owner. Because the Property is within 2,500 feet of the Ridgefield Redding town line, a copy of the Petition was also sent to Redding's First Selectwoman, Julia Pemberton and Aimee Pardee, Redding's Land Use Director. Included in Attachment 8 is a copy of the letters sent to Mr. Marconi, Ms. Dew, Ms. Pemberton, Ms. Pardee and 845 LLC.

Notice of Cellco's intent to file the Petition together with a copy of the Petition was also sent to those owners whose land abuts the Property. A sample abutter's notice letter, and the list of those abutting landowners who were sent notice and a copy of the Petition is included in Attachment 9.

C. A Conclusion That the Proposed Facility Modifications Will Not Have a Substantial Adverse Environmental Effect Would Be Consistent With Siting Council Precedent

The Council has previously determined, under similar circumstances, that the relocation and extension of an existing tower would have no substantial adverse environmental effect, does not require a Certificate and, most importantly, is preferable to the construction of a new tower in

a particular area.

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 relocation and extension of the existing tower at the Property from 100 feet to 110 feet, and the installation of Cellco antennas on a low-profile platforms 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.

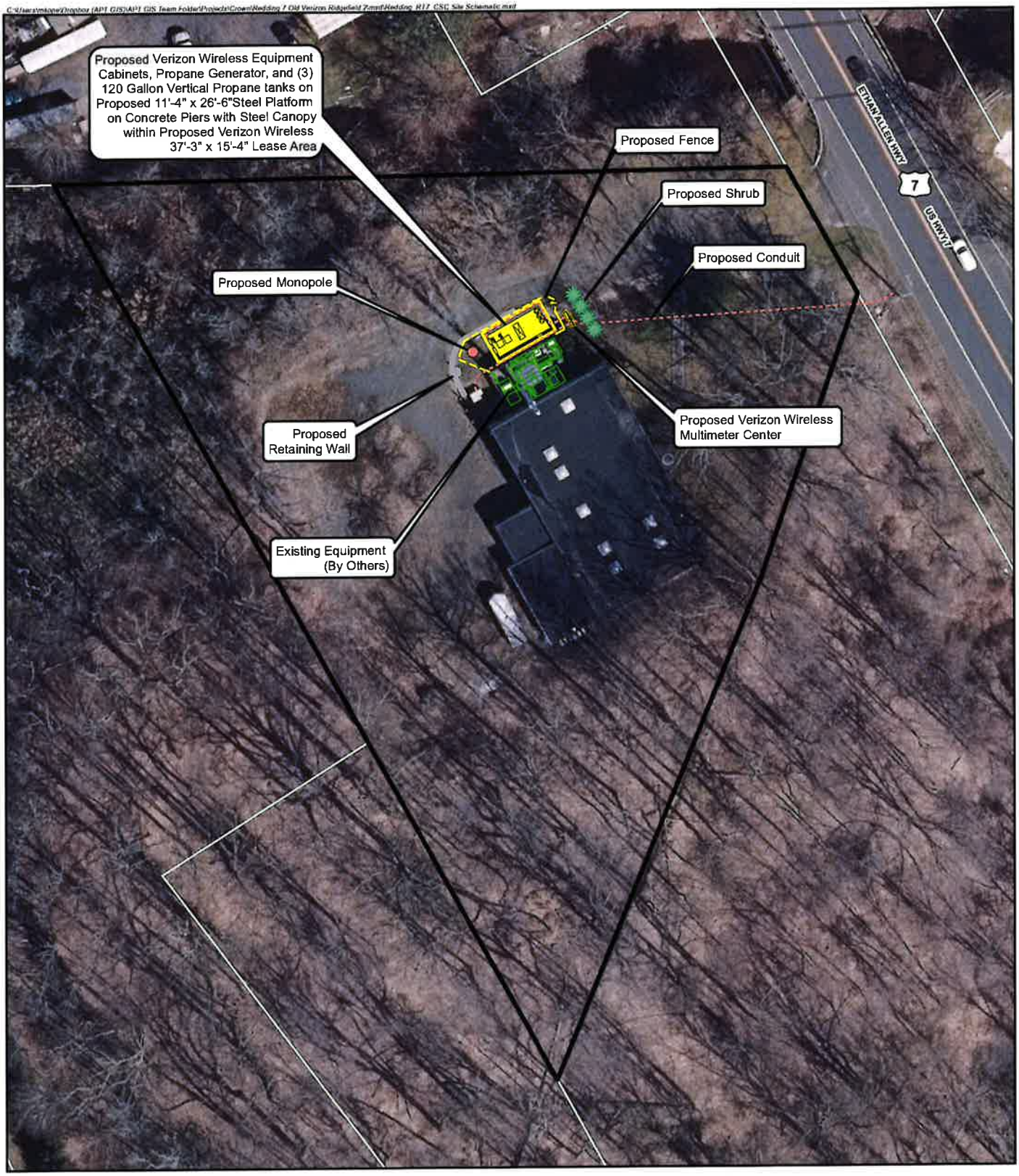
Respectfully submitted,

CROWN CASTLE AND 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
Attorney for the Petitioners

ATTACHMENT 1



Legend

- Subject Property
- Proposed Verizon Wireless Lease Area
- Proposed Fence
- Proposed Conduit
- Proposed Retaining Wall
- Proposed Tree
- Proposed Monopole
- Proposed Verizon Wireless Equipment
- Existing Equipment (By Others)
- Approximate Parcel Boundary

Site Schematic

Proposed Wireless Telecommunications Facility
Redding/RTE 7
845 Ethan Allen Highway
Ridgefield, Connecticut

CROWN CASTLE

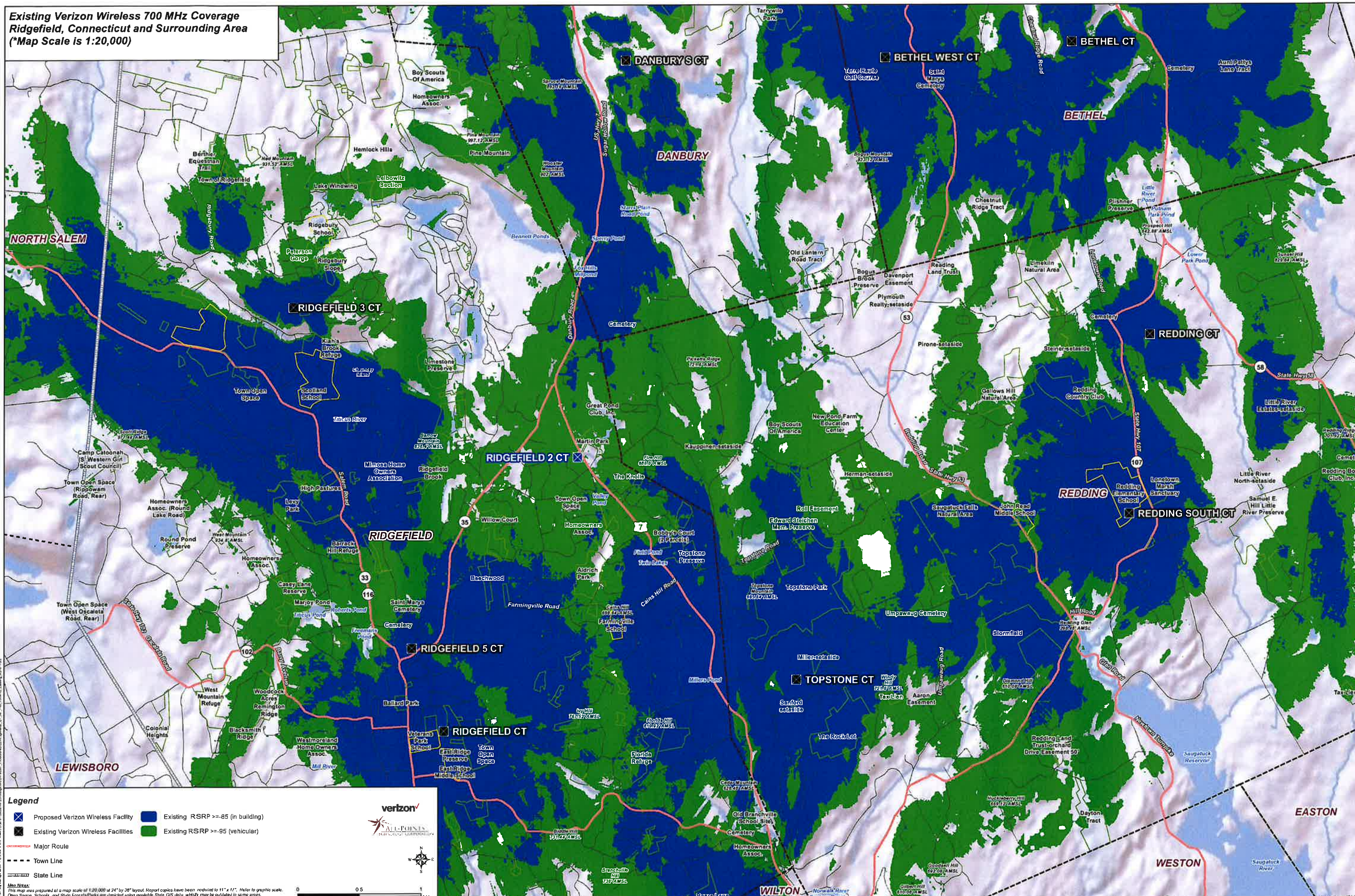
ALL-POINTS TECHNOLOGY CORPORATION

Map Notes:
Base Map Source: 2019 Aerial Photograph (CTECO)
Map Scale: 1 inch = 60 feet
Map Date: December 2022

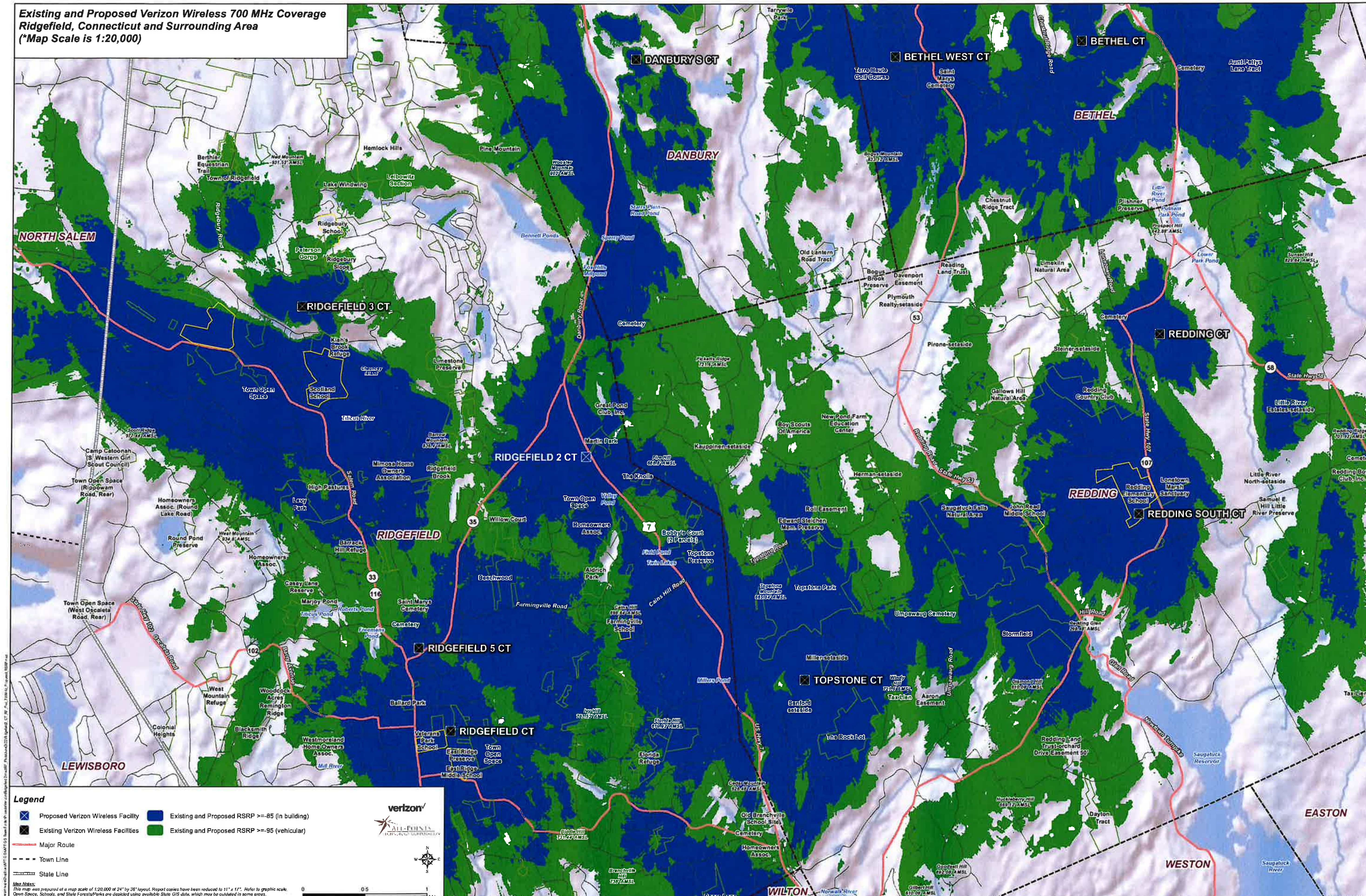
N W E S

60 30 0 60 Feet

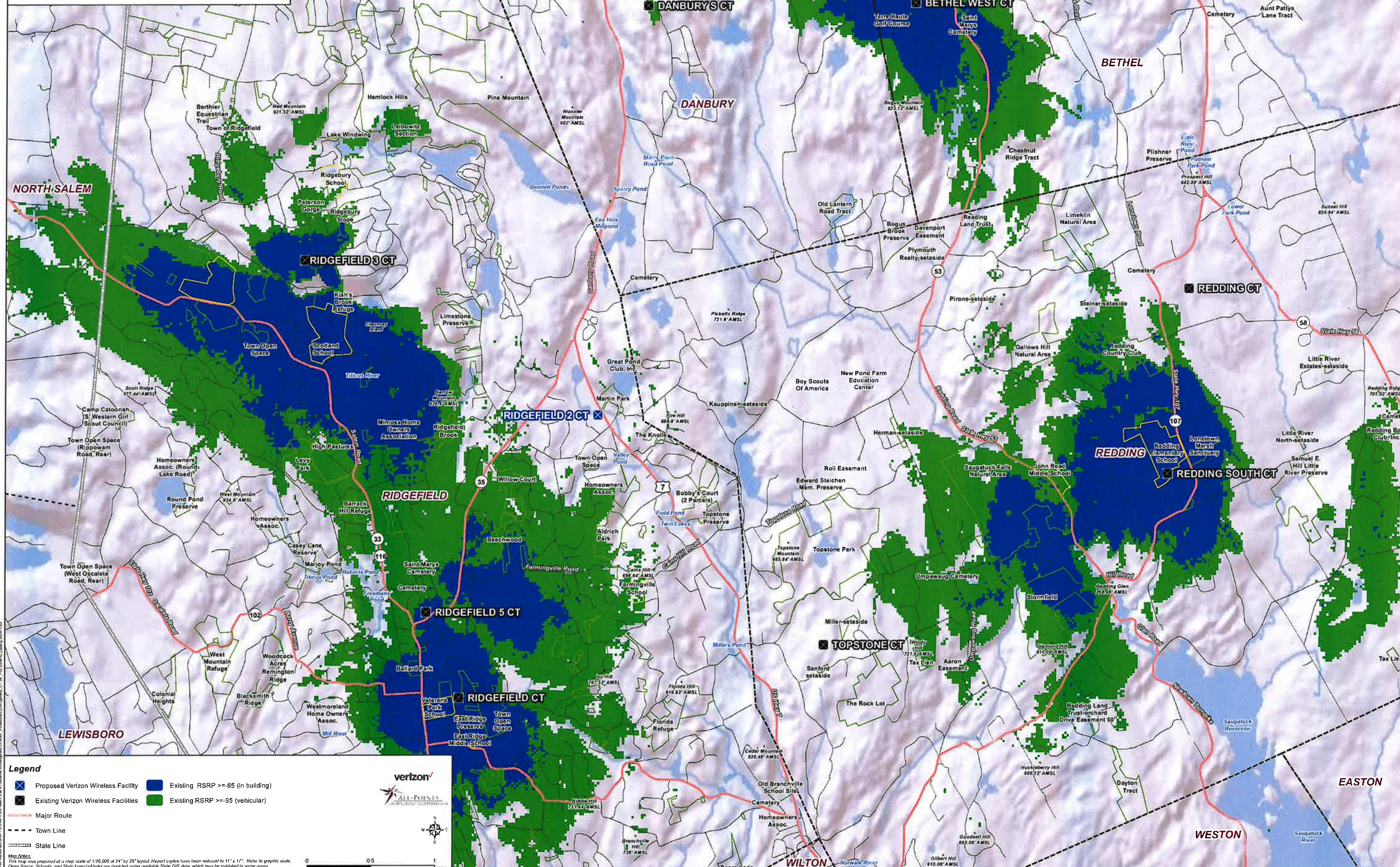
ATTACHMENT 2


Existing Verizon Wireless 700 MHz Coverage
Ridgefield, Connecticut and Surrounding Area
(*Map Scale is 1:20,000)
DANBURY S CT
BETHEL WEST CT
BETHEL CT
RIDGEFIELD 3 CT
RIDGEFIELD 2 CT
REDDING CT
REDDING SOUTH CT
RIDGEFIELD 5 CT
TOPSTONE CT
RIDGEFIELD CT
NORTH SALEM
DANBURY
BETHEL
RIDGEFIELD
REDDING
LEWISBORO
WILTON
WESTON
EASTON
Legend
Proposed Verizon Wireless Facility
Existing Verizon Wireless Facilities
Existing RSRP >=-85 (in building)
Existing RSRP >=-95 (vehicular)
Major Route
Town Line
State Line
Map Notes:
This map was prepared at a map scale of 1:20,000 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: ESRI Shaded Relief
0
0.5
1
Miles
verizon
ALL-POINTS

Existing and Proposed Verizon Wireless 700 MHz Coverage
Ridgefield, Connecticut and Surrounding Area
(*Map Scale is 1:20,000)



Existing Verizon Wireless 850 MHz Coverage
Ridgefield, Connecticut and Surrounding Area
(*Map Scale is 1:20,000)



Existing and Proposed Verizon Wireless 850 MHz Coverage
Ridgefield, Connecticut and Surrounding Area
(*Map Scale is 1:20,000)

DANBURY 5 CT
BETHEL WEST CT
BETHEL CT
DANBURY
BETHEL
NORTH SALEM
RIDGEFIELD 3 CT
RIDGEFIELD 2 CT
REDDING CT
RIDGEFIELD
REDDING
REDDING SOUTH CT
RIDGEFIELD 5 CT
TOPSTONE CT
RIDGEFIELD CT
LEWISBORO
WILTON
WESTON
EASTON

Terryville Park
Terra Haula Golf Course
Saint Marys Cemetery
Aunt Patsys Lane Tract
Cemetery
Bogus Mountain 833.72' AMSL
Hemlock Hills
Pine Mountain
Wooster Mountain 907' AMSL
Berthier Equestrian Trail
Ned Mountain 921.52' AMSL
Town of Ridgefield
Lake Windwing
Leibowitz Section
Ridgebury Road
Ridgebury School
Peterson Gorge
Ridgebury Slope
Sherry Plain Road Pond
Bennett Ponds
Sperry Pond
Fox Hills Millpond
Old Lantern Road Tract
Chestnut Ridge Tract
Plishner Preserve
Little River Pond
Putnam Park Pond
Prospect Hill 842.88' AMSL
Lower Park Pond
Sunset Hill 829.84' AMSL
Bogus Brook Preserve
Davenport Easement
Reading Land Trust
Limekiln Natural Area
Plymouth Realty-setaside
Northern Road
Danbury Road
Cemetery
Limestone Preserve
Kish's Brook Refuge
Cemetery
Town Open Space
Scotland School
Tillitus River
Picketts Ridge 721.5' AMSL
Pirone-setaside
Steiner-setaside
Gallows Hill Natural Area
Redding Country Club
Great Pond Club, Inc.
Martin Park
Boy Scouts Of America
New Pond Farm Education Center
Kauppinen-setaside
Little River Estates-setaside
Redding Ridge 701.92' AMSL
Cemetery
Redding Boys Club, Inc.
Scott Ridge 977.44' AMSL
Barrow Mountain 935.7' AMSL
Fire Hill 888.5' AMSL
Camp Catoonah (S. Western Girl Scout Council)
Mimosa Home Owners Association
Ridgefield Brook
The Knolls
Town Open Space (Rippowam Road, Rear)
High Pasture
Levy Park
Saint Mary Road
Town Open Space
Valley Pond
Herman-setaside
Redding Elementary School
Lonetown Marsh Sanctuary
Little River North-setaside
Samuel E. Hill Little River Preserve
Homeowners Assoc. (Round Lake Road)
Willow Court
Homeowners Assoc.
Bobby's Court (2 Parcels)
Roll Easement
Edward Steichen Mem. Preserve
Saugatuck Falls Natural Area
John Read Middle School
Round Pond Preserve
West Mountain 934.8' AMSL
Barrack Hill Refuge
Phillips Pond
Twin Lakes
Topstone Preserve
Topstone Road
Homeowners Assoc.
Beechwood
Aldrich Park
Casey Lane Reserve
Marjoy Pond
Tillicus Pond
Roberts Pond
Saint Marys Cemetery
Farmingville Road
Topstone Mountain 885.84' AMSL
Topstone Park
Umpawaug Cemetery
Hill Road
Redding Glen 793.48' AMSL
Cemetery
Farmingville School
Gallows Hill 698.64' AMSL
Gilbert Hill Road
Stormfield
Freemans Pond
Town Open Space (West Oscaleta Road, Rear)
Stony Hill Road
Beaver Avenue
Miller-setaside
Millers Pond
Diamond Hill 610.09' AMSL
Tax Lien
Glen Road
Aaron Easement
Ingleneuk Road
Sanford setaside
Ballard Park
West Mountain Refuge
Woodcock Acres
Remington Ridge
Colonial Heights
Blacksmith Ridge
Veterans Park School
Westmoreland Home Owners Assoc.
East Ridge Preserve
East Ridge Middle School
Town Open Space
Mill River
Florida Hill 616.93' AMSL
Florida Refuge
The Rock Lot
Redding Land Trust-orchard Drive Easement 501
Newtown Turnpike
Saugatuck Reservoir
Cedar Mountain 825.48' AMSL
Old Branchville School Site
Cemetery
Homeowners Assoc.
Huckleberry Hill 669.12' AMSL
Dayton Tract
Saugatuck River
Goodsell Hill 692.08' AMSL
Gilbert Hill 610.08' AMSL
Branchville Hill 736' AMSL
Beers Lane
Norwalk River Factory Pond

Legend

- Proposed Verizon Wireless Facility
- Existing Verizon Wireless Facilities
- Existing and Proposed RSRP >=-85 (in building)
- Existing and Proposed RSRP >=-95 (vehicular)
- Major Route
- Town Line
- State Line

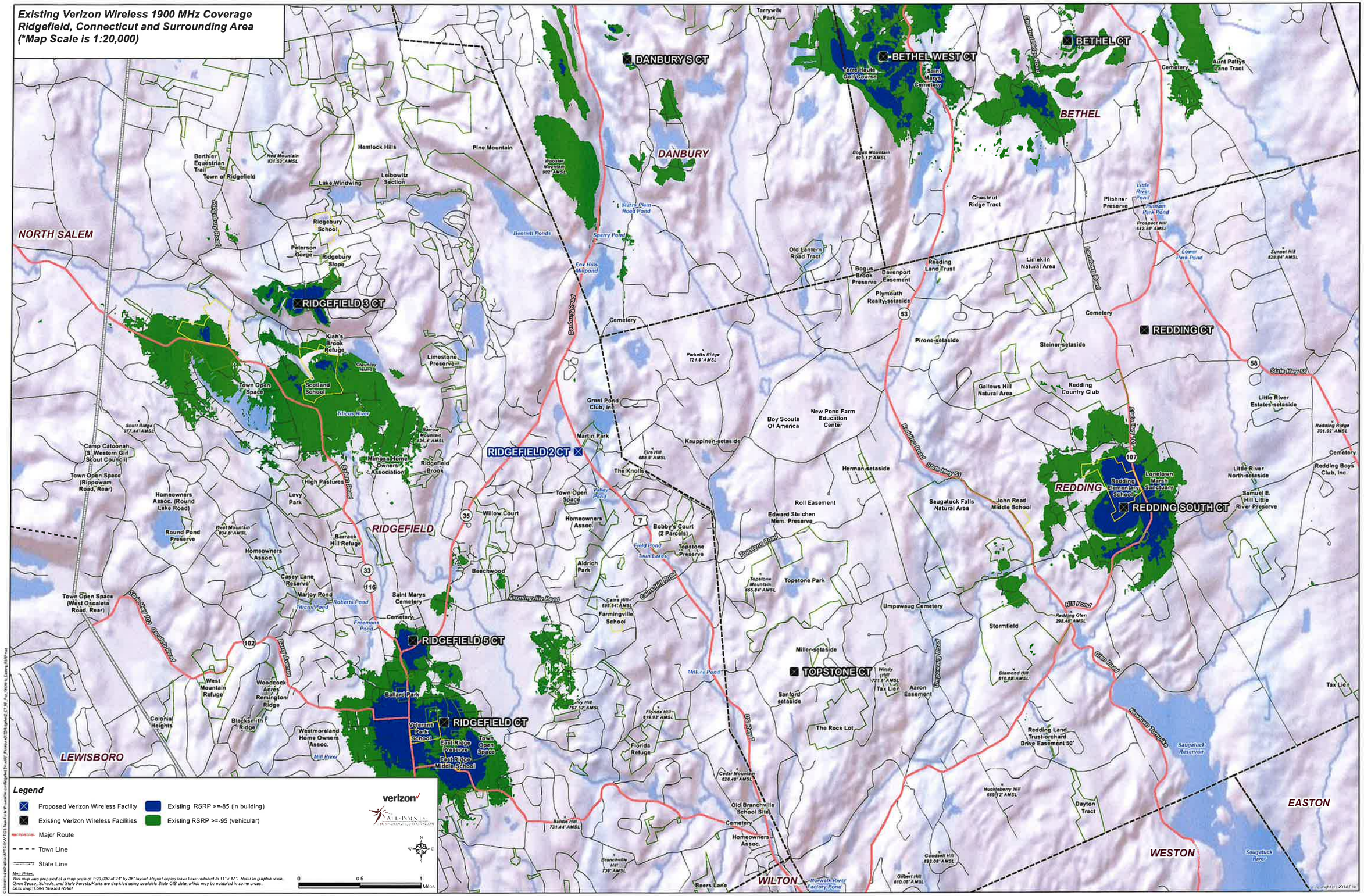
verizon

All-Points Technology Corporation

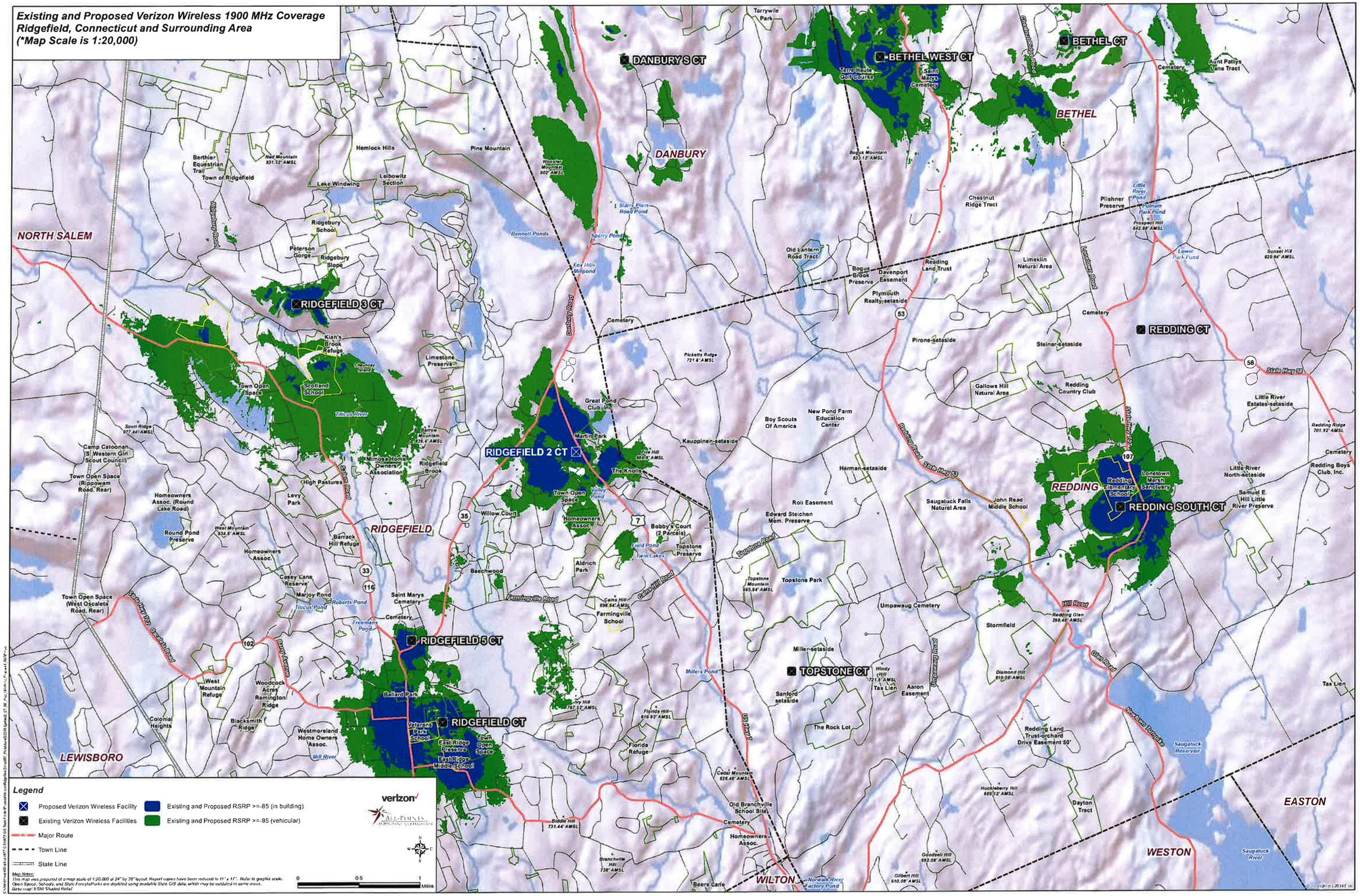
Map Notes:
This map was prepared at a map scale of 1:20,000 of 24" by 36" layout. Report copies have been reduced to 11" x 17". Refer to graphic scale. Open Space, Schools, and State Forests/Parks are depicted using available State GIS data, which may be outdated in some areas.
Base map: ESRI Shaded Relief

0 0.5 1 Miles

Existing Verizon Wireless 1900 MHz Coverage
Ridgefield, Connecticut and Surrounding Area
(*Map Scale is 1:20,000)



Existing and Proposed Verizon Wireless 1900 MHz Coverage
Ridgefield, Connecticut and Surrounding Area
(*Map Scale is 1:20,000)



Legend

- Proposed Verizon Wireless Facility
- Existing Verizon Wireless Facilities
- Existing and Proposed RSRP >=-85 (in building)
- Existing and Proposed RSRP >=-95 (vehicular)
- Major Route
- Town Line
- State Line

verizon

All-Points Technology Corporation

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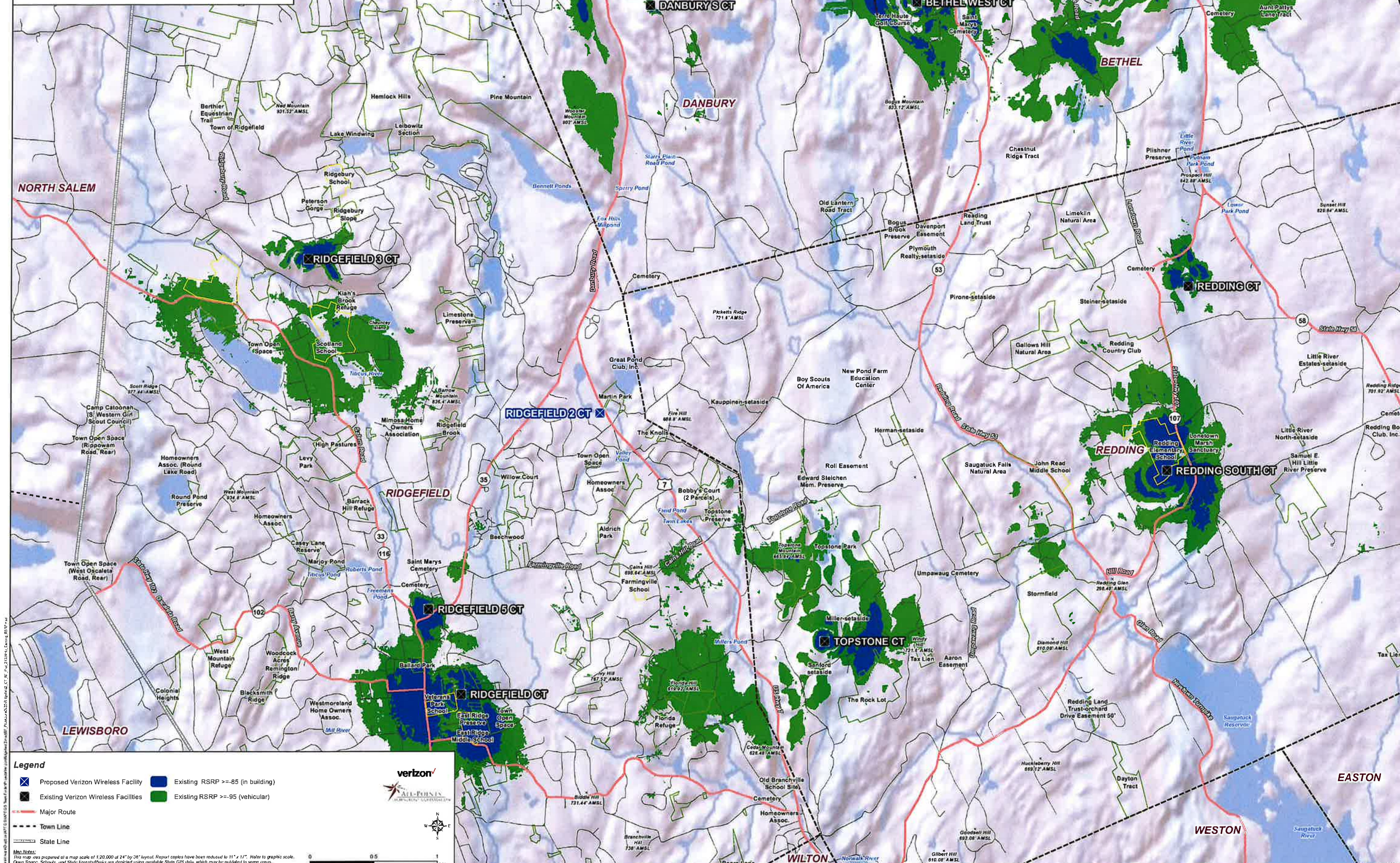
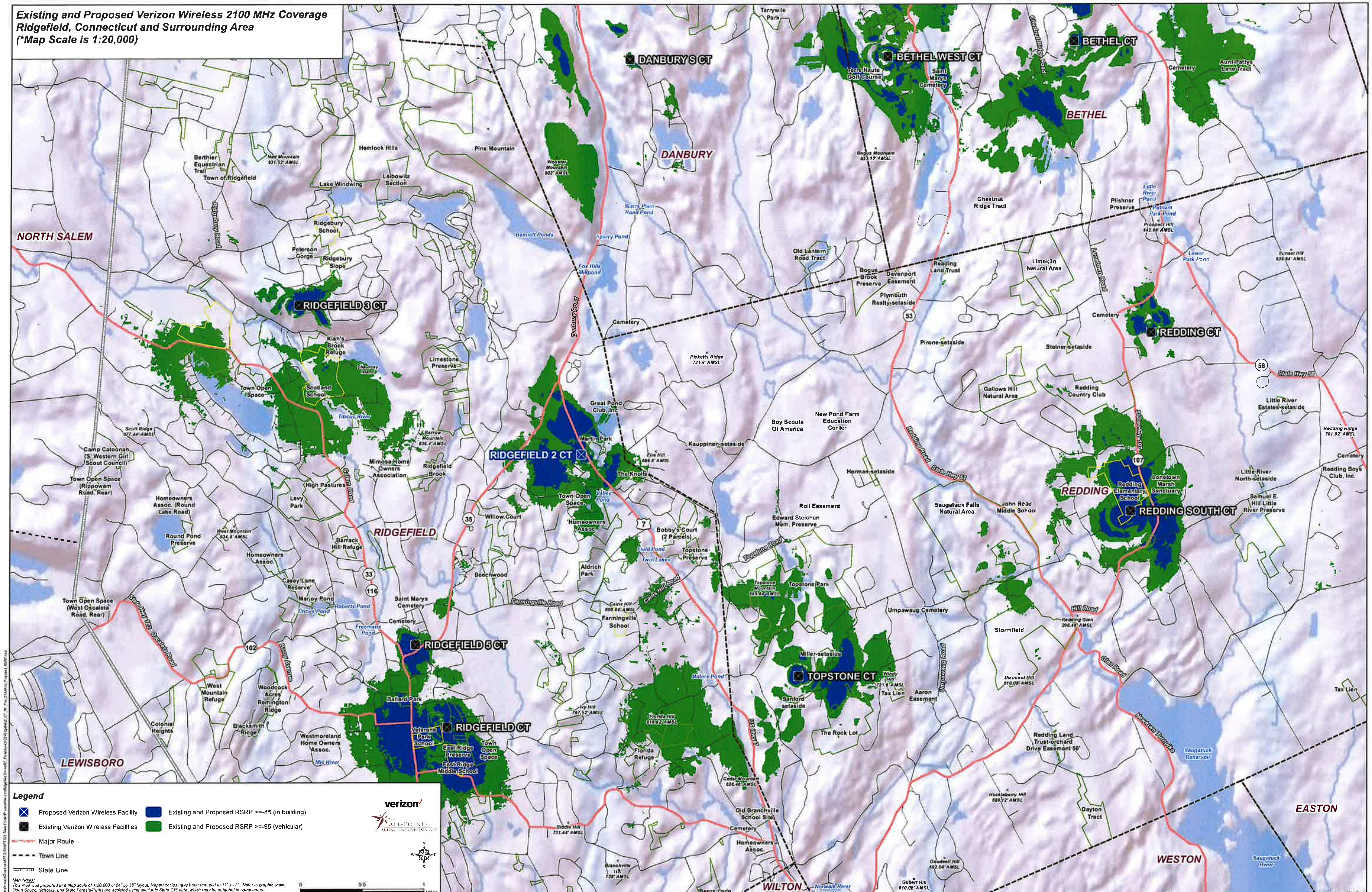
Terrain map: ESRI Shaded Relief

0 0.5 1 Miles

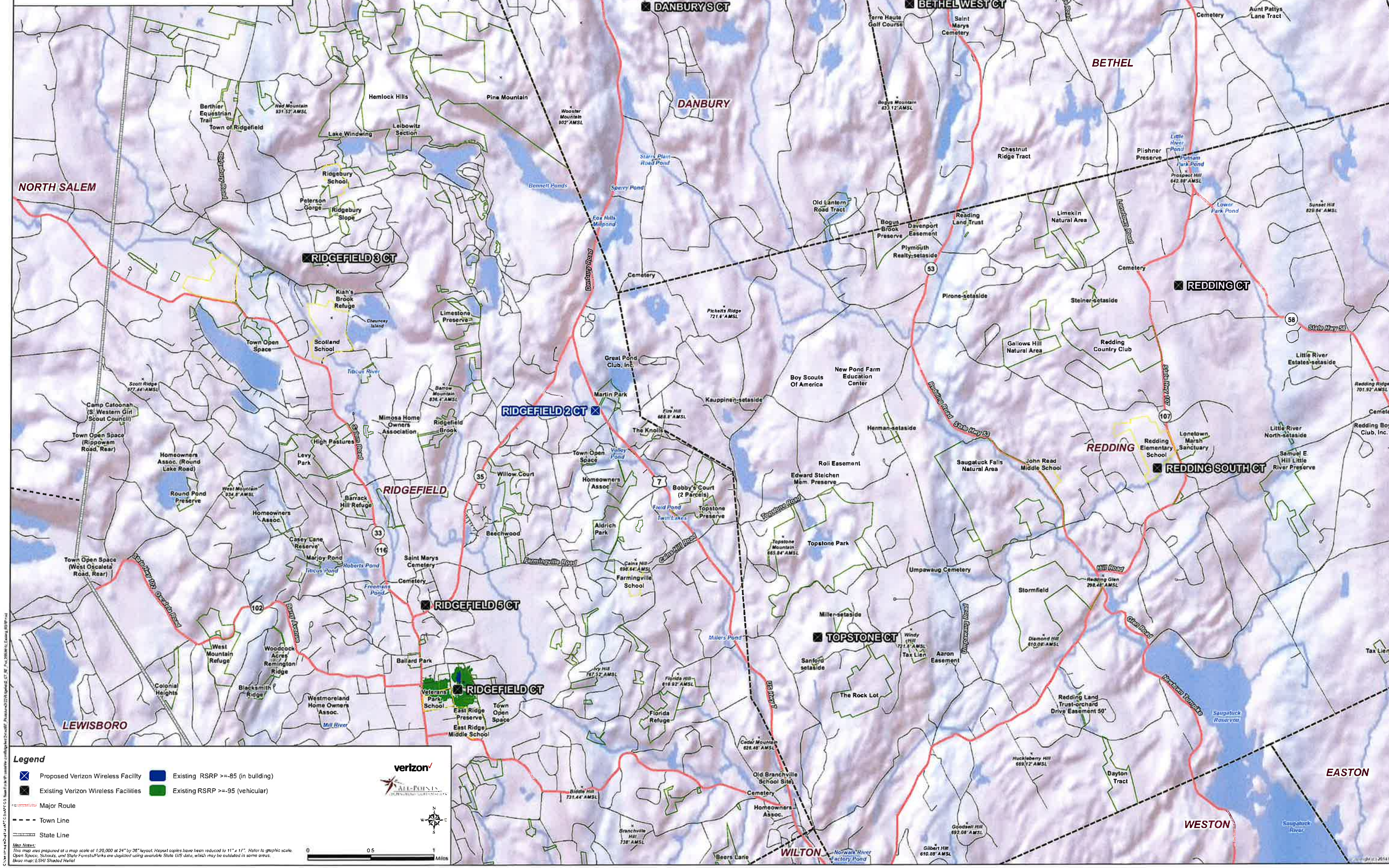
Existing Verizon Wireless 2100 MHz Coverage
Ridgefield, Connecticut and Surrounding Area
(*Map Scale is 1:20,000)



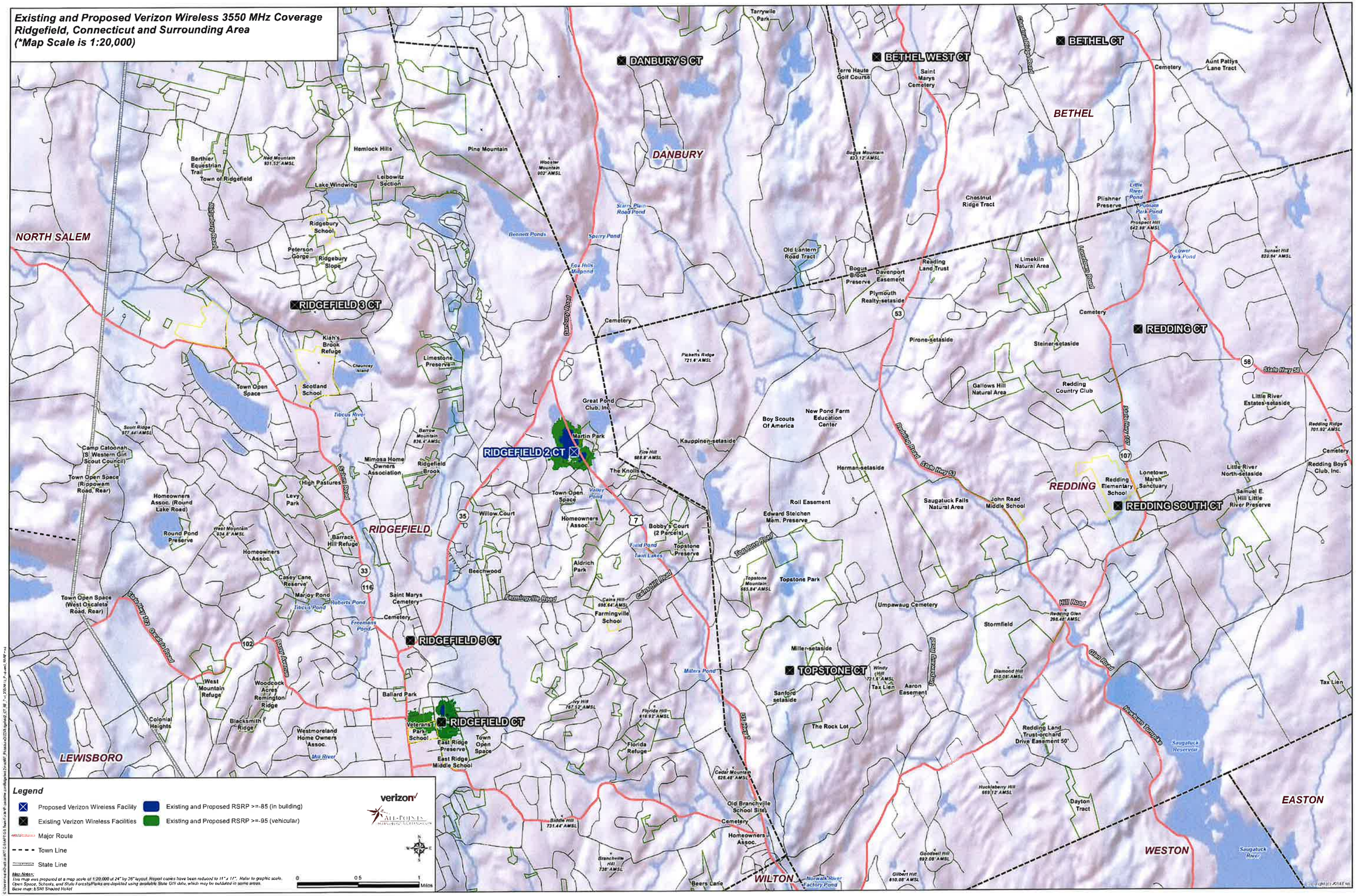
Existing and Proposed Verizon Wireless 2100 MHz Coverage
Ridgefield, Connecticut and Surrounding Area
(*Map Scale is 1:20,000)



Existing Verizon Wireless 3550 MHz Coverage
Ridgefield, Connecticut and Surrounding Area
(*Map Scale is 1:20,000)



Existing and Proposed Verizon Wireless 3550 MHz Coverage
Ridgefield, Connecticut and Surrounding Area
(*Map Scale is 1:20,000)



Legend

- Proposed Verizon Wireless Facility
- Existing Verizon Wireless Facilities
- Major Route
- Town Line
- State Line
- Existing and Proposed RSRP >=-85 (in building)
- Existing and Proposed RSRP >=-95 (vehicular)

verizon

All-Points Technology Corporation

0 0.5 1 Miles

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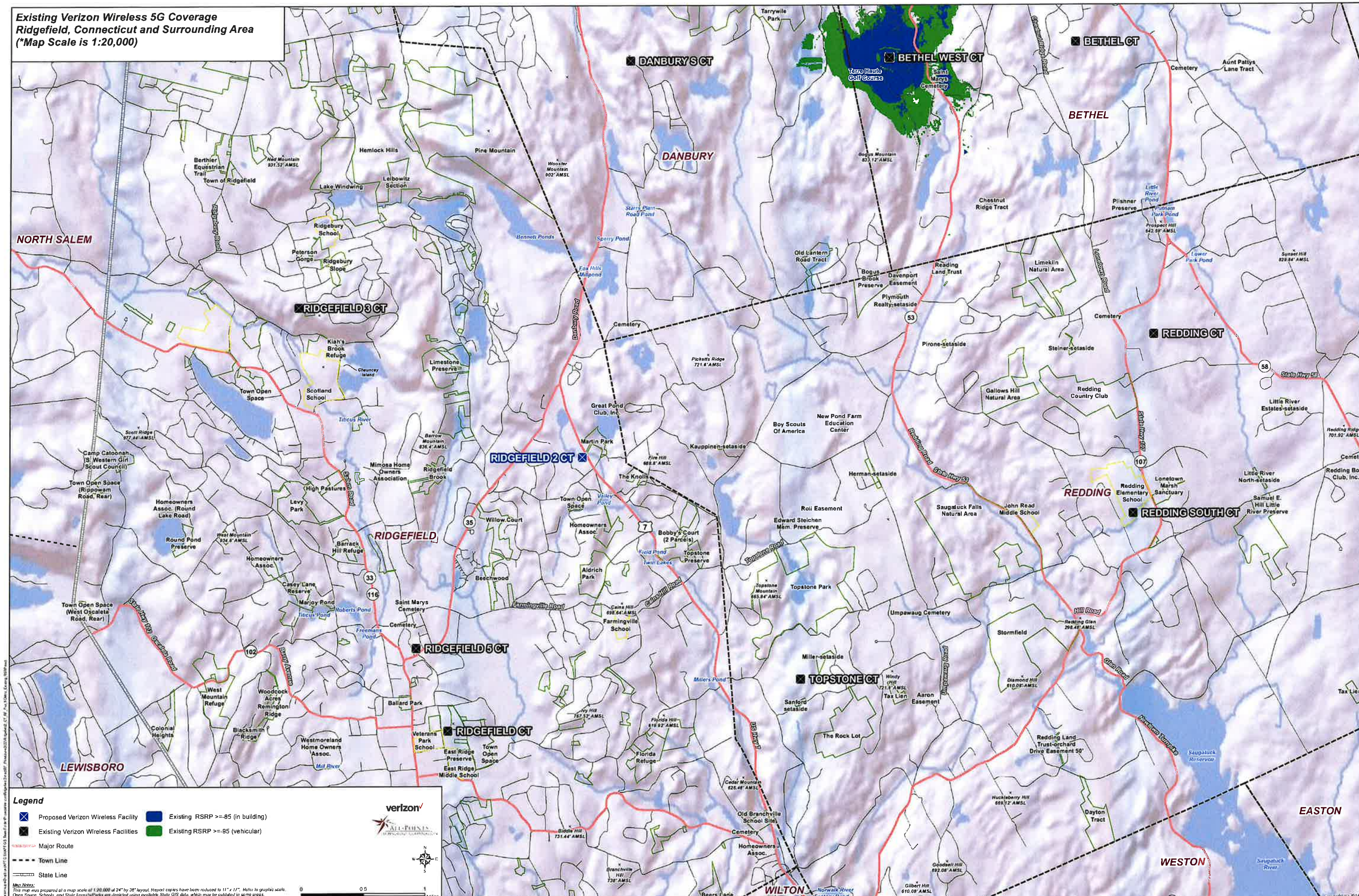
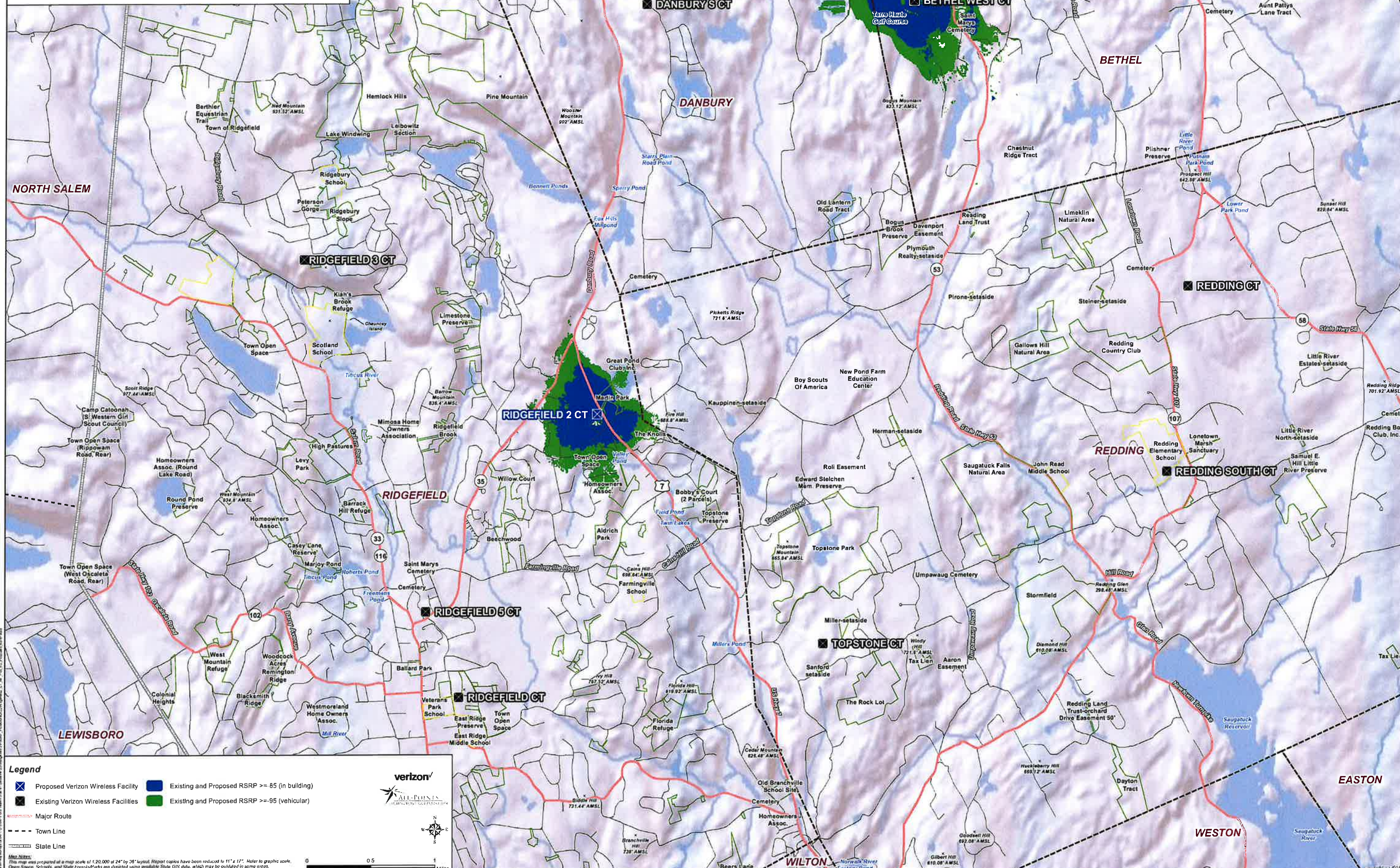
Base map: ESRI Shaded Relief


Existing Verizon Wireless 5G Coverage
Ridgefield, Connecticut and Surrounding Area
(*Map Scale is 1:20,000)
DANBURY S CT
BETHEL WEST CT
BETHEL CT
RIDGEFIELD 3 CT
RIDGEFIELD 2 CT
REDDING CT
REDDING SOUTH CT
RIDGEFIELD 5 CT
TOPSTONE CT
RIDGEFIELD CT
NORTH SALEM
DANBURY
BETHEL
RIDGEFIELD
REDDING
LEWISBORO
WILTON
WESTON
EASTON
Tarrywile Park
Terre Haute Golf Course
Saint Marys Cemetery
Hemlock Hills
Pine Mountain
Berthier Equestrian Trail
Town of Ridgefield
Lake Windwing
Leibowitz Section
Ridgebury School
Peterson Gorge
Ridgebury Slope
Bennett Ponds
Sperry Pond
Starrs Plain Road Pond
East Hills Millpond
Danbury Road
Old Lantern Road Tract
Bogus Brook Preserve
Davenport Easement
Plymouth Realty-setaside
Reading Land Trust
Limekiln Natural Area
Chestnut Ridge Tract
Plishner Preserve
Little River Pond
Putnam Park Pond
Lower Park Pond
Cemetery
Kiah's Brook Refuge
Limestone Preserve
Scotland School
Town Open Space
Tibcus River
Great Pond Club, Inc.
Martin Park
Pickett's Ridge
Boy Scouts Of America
New Pond Farm Education Center
Kauppinen-setaside
Pirone-setaside
Steiner-setaside
Gallows Hill Natural Area
Redding Country Club
Little River Estates-setaside
Camp Catoonah (S Western Girl Scout Council)
Town Open Space (Rippowam Road, Rear)
Mimosa Home Owners Association
Ridgefield Brook
High Pastures
Levy Park
Homeowners Assoc. (Round Lake Road)
Round Pond Preserve
The Knolls
Willow Court
Homeowners Assoc.
Valley Pond
Bobby's Court (2 Parcels)
Herman-setaside
Roll Easement
Edward Steichen Mem. Preserve
Saugatuck Falls Natural Area
John Read Middle School
Redding Elementary School
Lonetown Marsh Sanctuary
Little River North-setaside
Samuel E. Hill Little River Preserve
Redding Boys Club, Inc.
Barrack Hill Refuge
Casey Lane Reserve
Marjoy Pond
Roberts Pond
Tibcus Pond
Saint Marys Cemetery
Freemans Pond
Beechwood
Aldrich Park
Field Pond
Twin Lakes
Topstone Preserve
Farmingville Road
Farmingville School
Topstone Park
Umpawaug Cemetery
Stormfield
Town Open Space (West Oscaleta Road, Rear)
West Mountain Refuge
Woodcock Acres
Remington Ridge
Ballard Park
Miller-setaside
Sanford-setaside
Tax Lien
Aaron Easement
Colonial Heights
Blacksmith Ridge
Westmoreland Home Owners Assoc.
Mill River
Veterans Park School
East Ridge Preserve
East Ridge Middle School
Town Open Space
Florida Refuge
The Rock Lot
Redding Land Trust-orchard Drive Easement 50'
Saugatuck Reservoir
Dayton Tract
Old Branchville School Site
Homeowners Assoc.
Beers Lane
Norwalk River Factory Pond
Saugatuck River
Legend
Proposed Verizon Wireless Facility
Existing Verizon Wireless Facilities
Major Route
Town Line
State Line
Existing RSRP >=-85 (in building)
Existing RSRP >=-95 (vehicular)
verizon
0 0.5 1 Miles

Existing and Proposed Verizon Wireless 5G Coverage
Ridgefield, Connecticut and Surrounding Area
(*Map Scale is 1:20,000)



ATTACHMENT 3

CROWN CASTLE

2000 CORPORATE DRIVE
CANONSBURG, PA 15317

REDDING/ RT7
845 ETHAN ALLEN HIGHWAY
RIDGEFIELD, CT 06877

MUNICIPAL NOTIFICATION LIMIT MAP
SCALE : 1" = 1.5 Miles

LOCATION MAP
SCALE : 1" = 500'-0"

LIST OF DRAWINGS

SITE INFORMATION

PROJECT LOCATION: 845 ETHAN ALLEN HIGHWAY
RIDGEFIELD, CT 06877

PROJECT DESCRIPTION: NEW ANTENNAS & EQUIPMENT ON NEW 110'± AGL MONOPOLE & NEW GROUND EQUIPMENT WITHIN AN EXIST. EXPANDED FENCED COMPOUND.

PROJECT DEVELOPER: CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317

COUNTY: FAIRFIELD

MAP: G10
LOT: 15
ZONE: "B-2"

LATITUDE: 41° 16' 46.9793" N
LONGITUDE: 73° 28' 20.7094" W
ELEVATION: 491.5'± AMSL

PROPERTY OWNER: 845 LLC
107 LORDS HWY
WESTON, CT 06883

APPLICANT: CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317

LEGAL: ROBINSON & COLE, LLP
KENNETH C. BALDWIN
280 TRUMBULL STREET
HARTFORD, CT 06103

SITE ENGINEER: ALL-POINTS TECHNOLOGY CORP.
567 VAUXHALL STREET EXTENSION
SUITE 311
WATERFORD, CT 06385
(860) 663-1697

CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317

Cellco Partnership d/b/a
verizon WIRELESS
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

ALL-POINTS TECHNOLOGY CORPORATION
567 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385 PHONE: (860)-663-1697
WWW.ALLPOINTSTECH.COM FAX (860)-663-0935

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5		
6		

DESIGN PROFESSIONALS OF RECORD

PROF: ROBERT C. BURNS P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 567 VAUXHALL STREET EXT. SUITE 311 WATERFORD, CT 06385

DEVELOPER: CROWN CASTLE
ADDRESS: 2000 CORPORATE DRIVE CANONSBURG, PA 15317

REDDING/ RT7

SITE ADDRESS: 845 ETHAN ALLEN HIGHWAY RIDGEFIELD, CT 06877

APT FILING NUMBER: CT1051300

DRAWN BY: CSH
DATE: 10/21/22
CHECKED BY: RCB

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

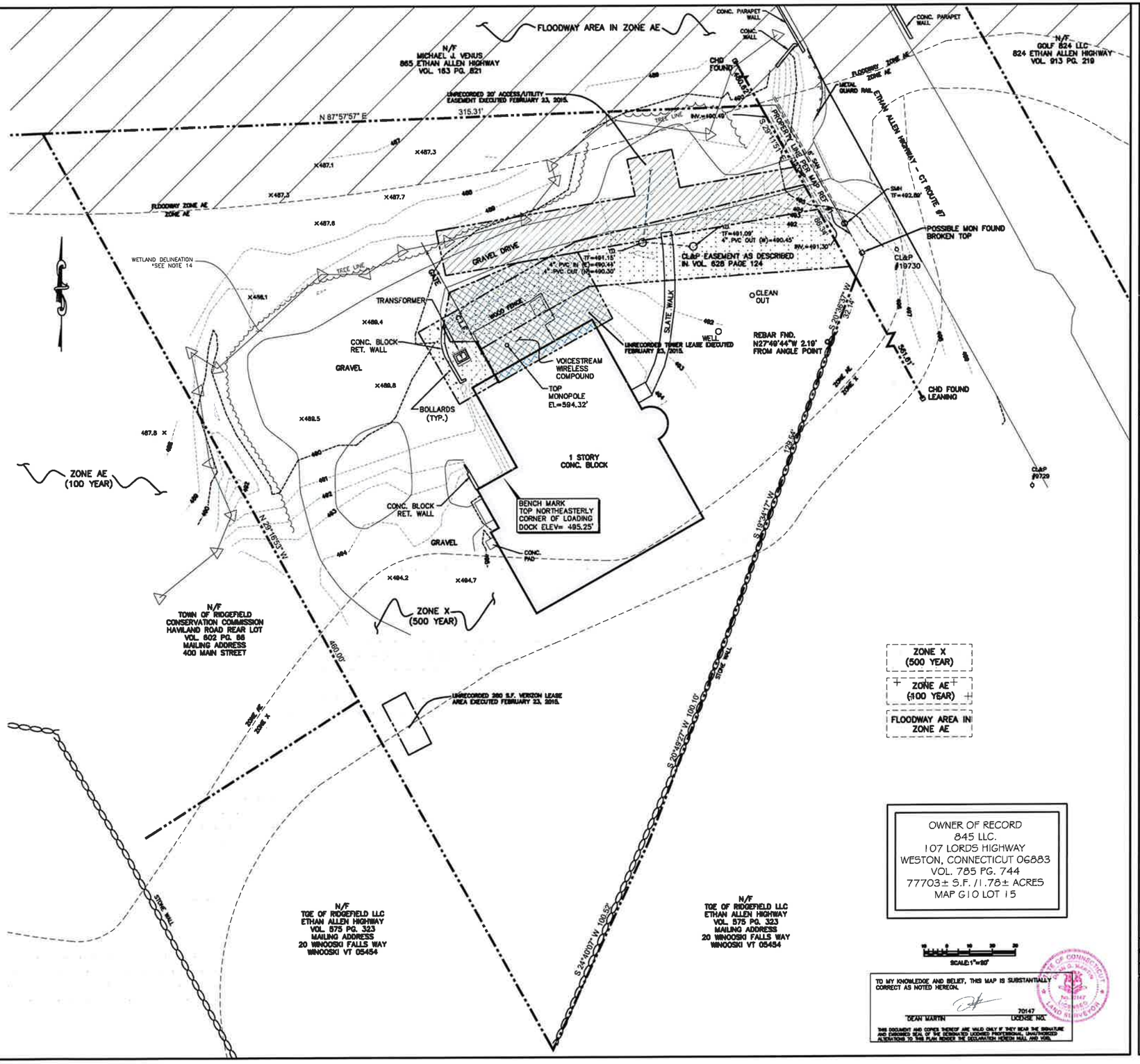
SITE LOCATION MAP (NOT TO SCALE)

MAP NOTES:

1. THIS MAP AND SURVEY HAVE BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND "THE MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS ON SEPTEMBER 26, 1996.
2. THE TYPE OF SURVEY PERFORMED AND THE MAPPED FEATURES DEPICTED HEREON ARE IN ACCORDANCE WITH THE REQUIREMENTS OF A PROPERTY AND TOPOGRAPHIC SURVEY. THE PROPERTY DEPICTED HEREON IS A RESURVEY OF MAP REFERENCE "A". THE TOPOGRAPHIC FEATURES DEPICTED HEREON ARE INTENDED TO DEPICT THE LOCATION OF CELLULAR EQUIPMENT LOCATED ON THE SUBJECT PARCEL AND TOPOGRAPHIC FEATURES WITH A 100' RADIUS OF SAID CELLULAR EQUIPMENT.
3. THE HORIZONTAL BASELINE CONFORMS TO A CLASS A-2 ACCURACY. THE VERTICAL BASELINE CONFORMS TO A CLASS V-2 ACCURACY. THE TOPOGRAPHIC FEATURES CONFORM TO A CLASS T-2 ACCURACY.
4. THE NORTH ARROW AND BEARINGS ARE BASED UPON THE CONNECTICUT STATE COORDINATE SYSTEM N.A.D. 1983 (2011). THE ELEVATIONS ARE BASED UPON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).
5. UNDERGROUND UTILITIES, STRUCTURES AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE COMPANIES OR GOVERNMENTAL AGENCIES AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE WHICH IS UNKNOWN TO MARTIN SURVEYING ASSOCIATES, LLC. ALL CONTRACTORS ARE REQUIRED TO CONTACT CALL-BEFORE-YOU-DIG AT 1-800-922-4455 FOR LOCATION AND OR STAKEOUT OF ANY UTILITY PRIOR TO ANY EXCAVATION.
6. PARCEL IS IN ZONE AE AND X ON THE FLOOD INSURANCE RATE MAP, FAIRFIELD COUNTY, CONNECTICUT, PANEL 228 OF 626, COMMUNITY PANEL NUMBER 09001C0228F, EFFECTIVE DATE JUNE 16, 2010
7. PARCEL SUBJECT TO A LEASE AS DESCRIBED IN VOLUME 1012 PAGE 743
8. PARCEL IS SUBJECT TO SUBORDINATION, NON-DISTURBANCE AND ATTORNMENT AGREEMENT AS DESCRIBED IN VOLUME 1014 PAGE 290.
9. PARCEL IS SUBJECT TO MEMORANDUM AND RESTATED STANDARD LEASE AGREEMENT AS DESCRIBED IN VOLUME 1014 PAGE 302.
10. PARCEL IS SUBJECT TO A CL&P EASEMENT AS DESCRIBED IN VOLUME 628 PAGE 124.
11. PARCEL IS SUBJECT TO A CL&P RIGHT OF WAY AS DESCRIBED IN VOLUME 100 PAGE 18
12. PARCEL IS SUBJECT TO, IF ANY, RIGHTS TO LITCHFIELD ELECTRIC LIGHT AND POWER COMPANY AS DESCRIBED IN VOLUME 56 PAGE 385 & VOLUME 53 PAGE 563.
13. PARCEL IS PARCEL, IF ANY, RIGHTS TO THE AMERICAN TELEPHONE AND TELEGRAPH AS DESCRIBED IN VOLUME 38 PAGE 59.
14. **THE WETLANDS DEPICTED HEREON HAVE BEEN PROVIDED BY ALL POINTS TECHNOLOGY CORPORATION AND NOTED TO HAVE BEEN DELINEATED ON MARCH 28, 2018.**

REFERENCE IS MADE TO THE FOLLOWING MAPS

1. "MAP PREPARED FOR ARMA TOOL &DIE COMPANY, RIDGEFIELD, CONNECTICUT." SCALE: 1"=40', DATED DECEMBER 13, 1974, BY OFFICE OF MOODY & O'BRIEN.
2. "GENERAL LOCATION SURVEY PREPARED FOR VOICESTREAM WIRELESS SITE CT-11112H 845 ETHAN ALLEN HIGHWAY RIDGEFIELD, CONNECTICUT." SCALE: 1"=40' DATED OCTOBER 30, 2001, BY DESIGN PROFESSIONALS, INC..
3. "PLAN SHOWING EASEMENT GRANTED TO CL&P BY ARMA TOOL AND DIE CO. VOICESTREAM WIRELESS SITE ID: CT-11-112H 845 ETHAN ALLEN HIGHWAY RIDGEFIELD, CT" SCALE: 1"=20', DATED MAY 22, 2001, BY CARTER BURGESS.
4. PROPERTY SURVEY MAP PREPARED FOR THE ESTATE OF LUCILLE GAETA FIRST UNION BANK OF CONNECTICUT, ADMIN. HAVILAND ROAD RIDGEFIELD, CONNECTICUT." SCALE: 1"=50', DATED JANUARY 27, 1997, BY KRISTOFERSEN LAND SURVEYING.
5. "MAP PREPARED FOR GLEN ACRES RIDGEFIELD , CONNECTICUT R-1 RESIDENTIAL ZONE TOTAL AREA=36.397ACRES." SCALE: 1"=100', DATED April 15, 1983, BY HENRICI ASSOCIATES.
6. "FIRST DIVISION MAP PREPARED FOR TGE OF RIDGEFIELD, LLC RIDGEFIELD, CONNECTICUT R-AA RESIDENCE & B-2 ZONE AREA = 4.845 ACRES." SCALE: 1"=50', DATED DECEMBER 29, 1998, BY RKW LAND SURVEYING.
7. "SUBDIVISION MAP PREPARED FOR TGE OF RIDGEFIELD, LLC RIDGEFIELD, CONNECTICUT R-AA RESIDENCE ZONE AREA = 16.159 ACRES." SCALE: 1"=50', DATED MARCH 5, 1999, BY RKW LAND SURVEYING.
8. "MAP PREPARED FOR MICHAEL VENUS RIDGEFIELD, CONNECTICUT TOTAL AREA=2.381 ACRES." SCALE: 1"=40', DATED JUNE 27, 1974, BY ROBERT M. HENRICI.
9. "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP TOWN OF RIDGEFIELD NORWALK-DANBURY ROAD FROM THE RIDGEFIELD-DANBURY ROAD SOUTHERLY ABOUT 4,100 FEET ROUTE U.S. 7." SHEET 1 OF 2, SCALE: 1"=40', DATED DECEMBER 30, 1930 AND REVISED TO SEPTEMBER 5, 1967.



ZONE X (500 YEAR)

ZONE AE (100 YEAR)

FLOODWAY AREA IN ZONE AE

OWNER OF RECORD
845 LLC.
107 LORDS HIGHWAY
WESTON, CONNECTICUT 06883
VOL. 785 PG. 744
77703± S.F. /1.78± ACRES
MAP G10 LOT 15

SCALE: 1"=20'

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

DEAN MARTIN — LICENSE NO. 70147

THIS DOCUMENT AND COPIES THEREOF ARE VALID ONLY IF THEY BEAR THE SIGNATURE AND EMBOSSED SEAL OF THE DESIGNATED LICENSED PROFESSIONAL. UNAUTHORIZED ALTERATIONS TO THIS PLAN RENDER THE DECLARATION HEREON NULL AND VOID.

LEGEND:

- IRON PIN (FOUND)
- Rebar/Drill Hole (To Be Set)
- MONUMENT (FOUND)
- MANHOLE
- DRAINAGE MANHOLE
- SANITARY MANHOLE
- ELEC. MANHOLE
- TELE. MANHOLE
- "C" CATCH BASIN
- "C-L" CATCH BASIN
- DECIDUOUS TREES
- EVERGREEN TREES
- SHRUB/BUSH
- FLAG POLE
- TRAFFIC CONTROL BOX
- SIGN
- POST
- LIGHT POLE
- GUY ANCHOR
- UTILITY POLE
- WATER GATE
- WATER METER
- GAS VALVE
- GAS METER
- TRANSFORMER
- ELEC. METER
- MAIL BOX
- HAND HOLE
- BUTTON BOX
- A.C. UNIT
- TRAFFIC LIGHT POLE
- BOUNDARY LINE
- GUARD RAIL
- UNDERGROUND PIPING (San.,Stm.)
- G — U/G GAS LINE
- E — U/G ELEC. LINE
- W — WATER LINE
- OVERHEAD UTILITIES
- T — U/G TELE. LINE
- CHAIN LINK FENCE
- TREE LINE

martin Surveying Associates, LLC
201 CHRISTIAN LANE BERLIN, CT 06037
860-832-9328 860-357-4604 (FAX)

REVISIONS:

PROPERTY & TOPOGRAPHIC SURVEY LAND OF 845 LLC. ASSESSOR MAP G10 LOT 15 845 ETHAN ALLEN HIGHWAY RIDGEFIELD, CT

MSA PROJECT NO: 18-014

SCALE: 1"=20'

DRAWN BY: D.G.M./G.S.J.

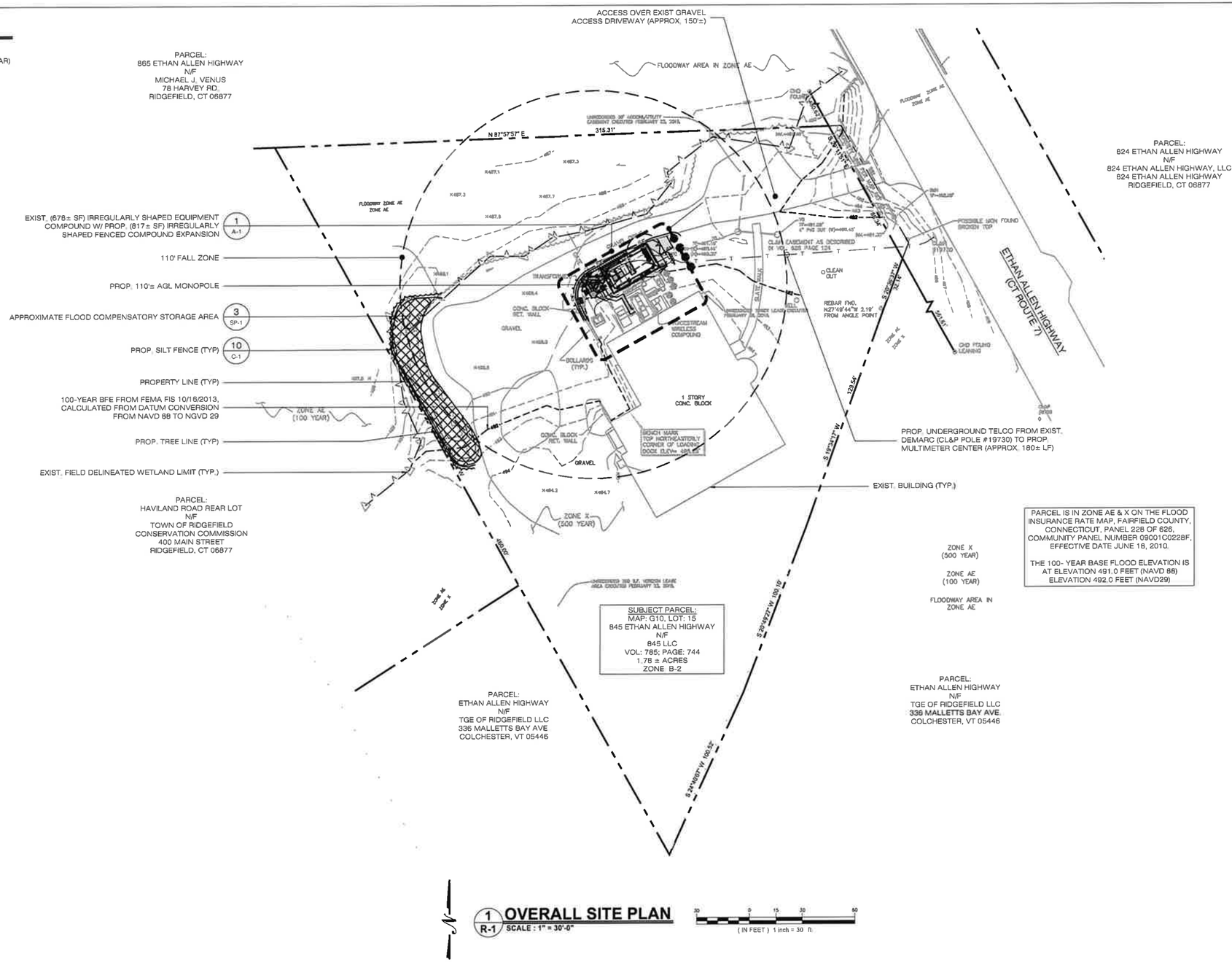
DATE: 3/1/2018

CHECKED BY: D.G.M.

SHEET: 1 OF 1

LEGEND

- FEMA FLOODWAY ZONE X (500 YEAR)
- FEMA FLOOD ZONE X (500 YEAR)
- FEMA FLOOD ZONE AE (100 YEAR)
- FLOOD COMPENSATORY STORAGE AREA



1 R-1 **OVERALL SITE PLAN**
SCALE : 1" = 30'-0"

30 0 15 30 60
(IN FEET) 1 inch = 30 ft.

BASE MAPPING FROM:

1. PLAN ENTITLED "PROPERTY & TOPOGRAPHIC SURVEY, LAND OF 845 LLC , ASSESSOR MAP G10 LOT 15, 845 ETHAN ALLEN HIGHWAY, RIDGEFIELD, CONNECTICUT" PREPARED BY MARTIN SURVEYING ASSOCIATES, LLC 148 HIGH ROAD, KENSINGTON DATED 3/1/2018.
2. FIELD MEASUREMENTS TAKEN BY ALL-POINTS TECHNOLOGY CORPORATION ON 06-22-2022.

CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317

Cellco Partnership d/b/a
verizon WIRELESS
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

ALL-POINTS TECHNOLOGY CORPORATION
567 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385 PHONE (860)-663-1697
WWW.ALLPOINTSTECH.COM FAX (860)-663-0935

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DESIGN PROFESSIONALS OF RECORD

PROF: ROBERT C. BURNS P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 567 VAUXHALL STREET EXT. SUITE 311 WATERFORD, CT 06385

DEVELOPER: CROWN CASTLE
ADDRESS: 2000 CORPORATE DRIVE CANONSBURG, PA 15317

REDDING/ RT7

SITE ADDRESS: 845 ETHAN ALLEN HIGHWAY RIDGEFIELD, CT 06877

APT FILING NUMBER: CT1051300

DRAWN BY: CSH
DATE: 10/21/22
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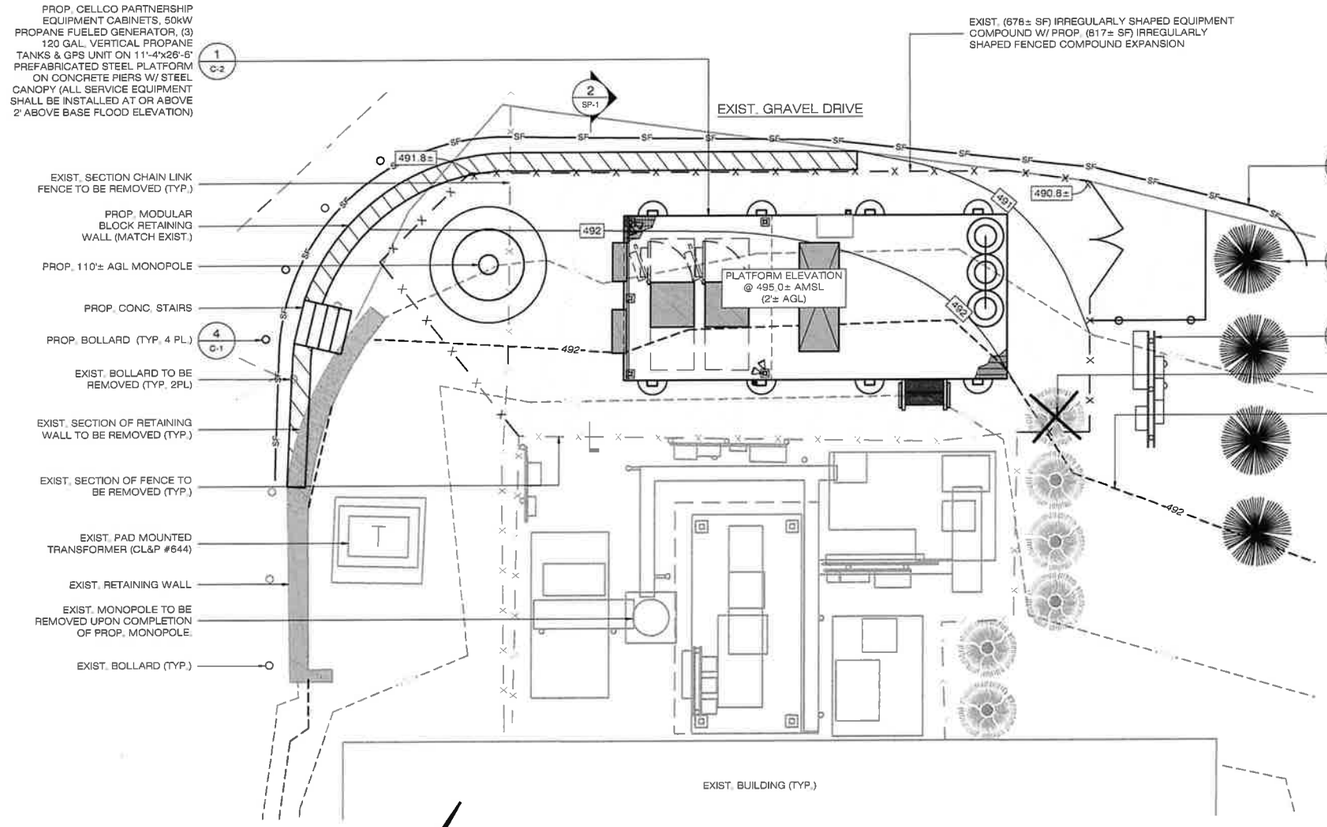
SHEET TITLE:

ABUTTERS MAP

SHEET NUMBER:

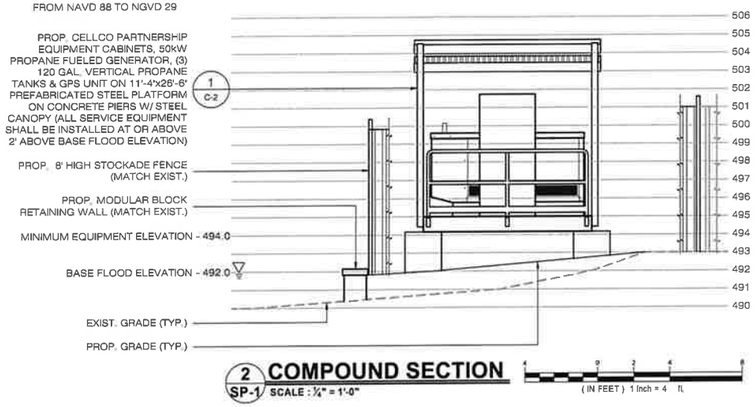
R-1



1 COMPOUND GRADING PLAN
SP-1 SCALE : 1" = 5'-0"

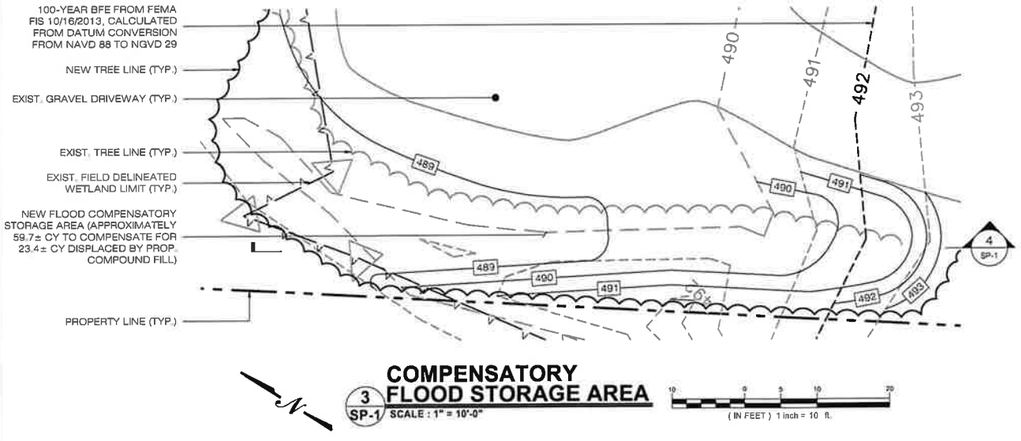
(IN FEET) 1 inch = 5 ft.

FLOOD STORAGE CUT & FILL TABLE		
ELEVATION (FEET)	INCREMENTAL VOLUME OF FILL (CY)	INCREMENTAL VOLUME OF CUT (CY)
488		
	0	0
489		
	0	30.9
490		
	13.3	17.0
491		
	10.1	8.9
492 (B.F.E.)		
	0	2.9
493		
TOTAL	23.4	59.7



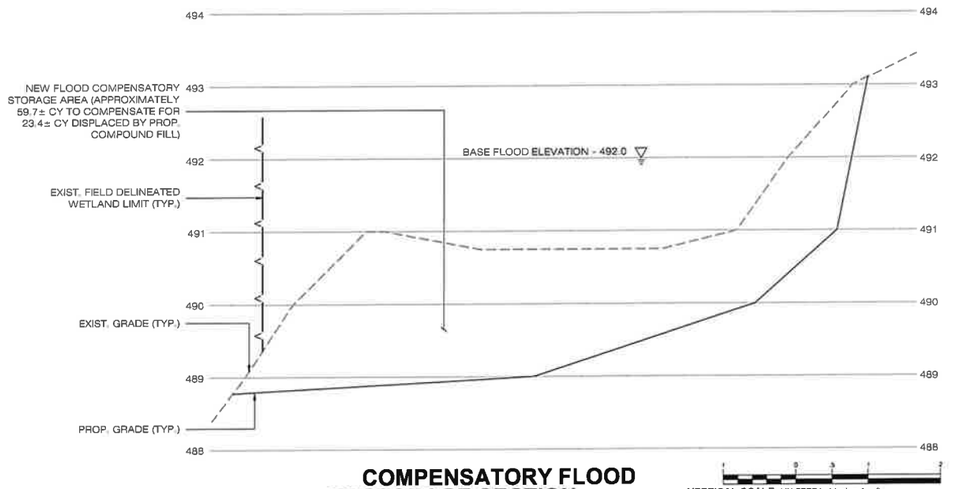
2 COMPOUND SECTION
SP-1 SCALE : ¼" = 1'-0"

(IN FEET) 1 inch = 4 ft.



3 COMPENSATORY FLOOD STORAGE AREA
SP-1 SCALE : 1" = 10'-0"

(IN FEET) 1 inch = 10 ft.



4 COMPENSATORY FLOOD STORAGE SECTION
SP-1 VERTICAL SCALE : 1" = 1'-0"
HORIZONTAL SCALE : 1" = 10'-0"

VERTICAL SCALE (IN FEET) 1 inch = 1 ft.

HORIZONTAL SCALE (IN FEET) 1 inch = 10 ft.

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DEVELOPER: CROWN CASTLE
ADDRESS: 2000 CORPORATE DRIVE CANONSBURG, PA 15317

REDDING/ RT7

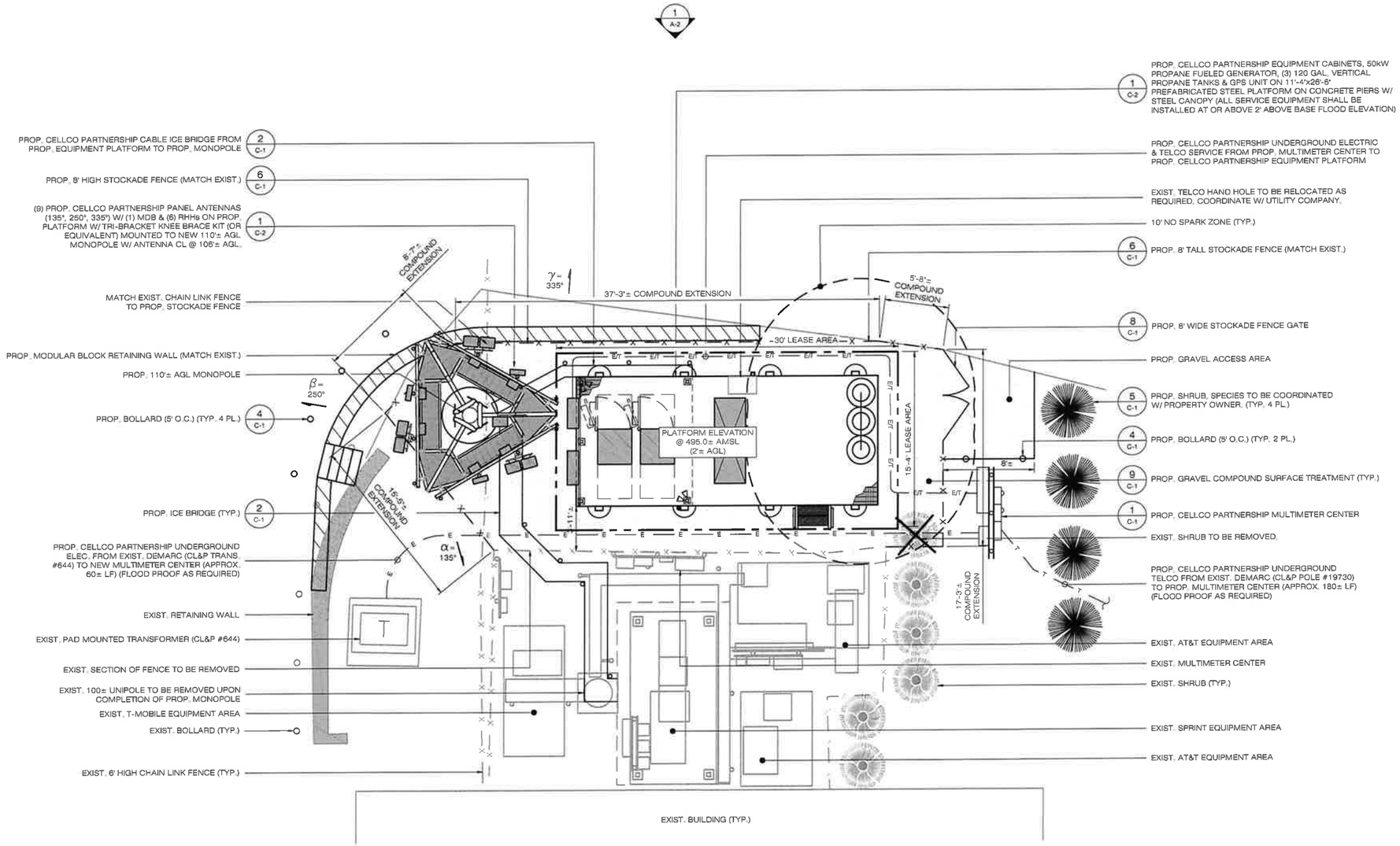
SITE ADDRESS: 845 ETHAN ALLEN HIGHWAY RIDGEFIELD, CT 06877

APT FILING NUMBER: CT1051300

DRAWN BY: CSH
DATE: 10/21/22
CHECKED BY: RCB

SHEET TITLE:
COMPENSATORY FLOOD STORAGE PLANS & SECTIONS

SHEET NUMBER:
SP-1



1 A-1 **COMPOUND PLAN**
SCALE : 1" = 5'-0"

(IN FEET) 1 inch = 5 ft.

NOTE
BASE FLOOD ELEVATION = 492 FT AMSL (NGVD 29) PER THE 100-YEAR FEMA BASE FLOOD ELEVATION (B.F.E.)
DESIGN FLOOD ELEVATION = 494 FT, OR B.F.E. + 2 FT.
ELECTRICAL DATUM PLANE = 494 FT.
ALL ELECTRICAL EQUIPMENT AND CONNECTIONS SHALL BE LOCATED AT OR ABOVE THE ELECTRICAL DATUM PLANE. ALL CABLE, WIRE & CONDUIT MAY BE INSTALLED BELOW ELECTRICAL DATUM PLANE AS LONG AS SUITABLE & LISTED FOR A WET LOCATION.

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DEVELOPER: CROWN CASTLE
ADDRESS: 2000 CORPORATE DRIVE CANONSBURG, PA 15317

REDDING/ RT7

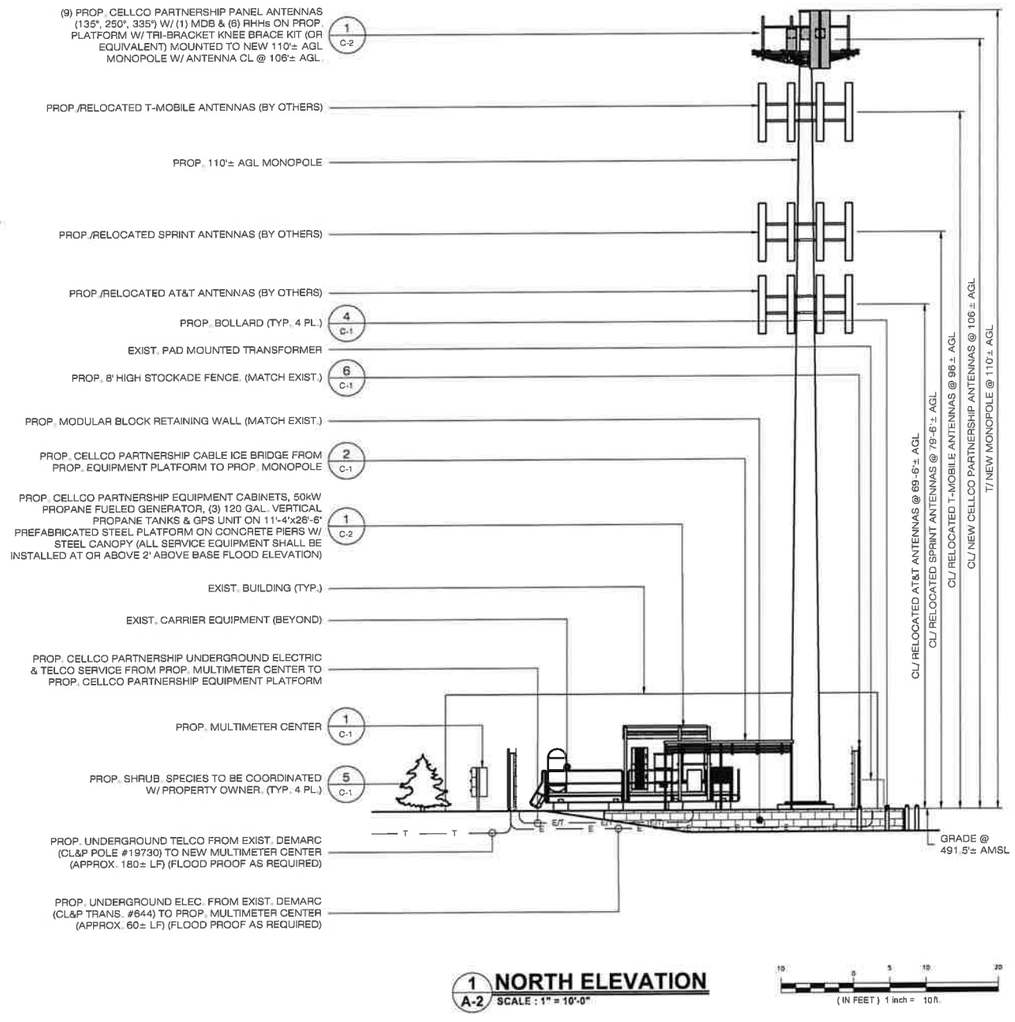
SITE ADDRESS: 845 ETHAN ALLEN HIGHWAY RIDGEFIELD, CT 06877

APT FILING NUMBER: CT1051300

DRAWN BY: CSH
DATE: 10/21/22
CHECKED BY: RCB

SHEET TITLE:
COMPOUND PLAN

SHEET NUMBER:
A-1



1 A-2 NORTH ELEVATION
SCALE : 1" = 10'-0"

NOTE
BASE FLOOD ELEVATION = 492 FT AMSL (NGVD 29) PER THE 100-YEAR FEMA BASE FLOOD ELEVATION (B.F.E.)
DESIGN FLOOD ELEVATION = 494 FT, OR B.F.E. + 2 FT.
ELECTRICAL DATUM PLANE = 494 FT.
ALL ELECTRICAL EQUIPMENT AND CONNECTIONS SHALL BE LOCATED AT OR ABOVE THE ELECTRICAL DATUM PLANE. ALL CABLE, WIRE & CONDUIT MAY BE INSTALLED BELOW ELECTRICAL DATUM PLANE AS LONG AS SUITABLE & LISTED FOR A WET LOCATION.

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DEVELOPER: CROWN CASTLE
ADDRESS: 2000 CORPORATE DRIVE CANONSBURG, PA 15317

REDDING/ RT7

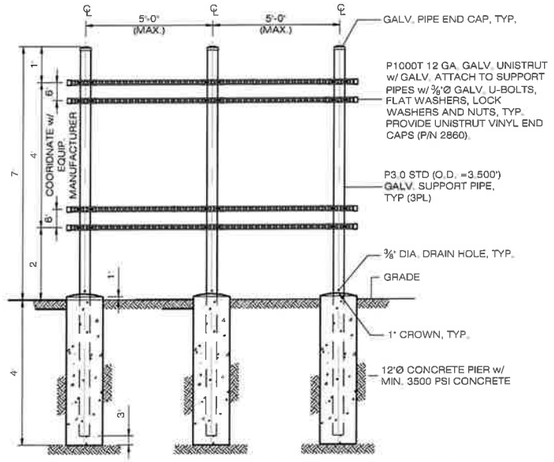
SITE ADDRESS: 845 ETHAN ALLEN HIGHWAY RIDGEFIELD, CT 08877

APT FILING NUMBER: CT1051300

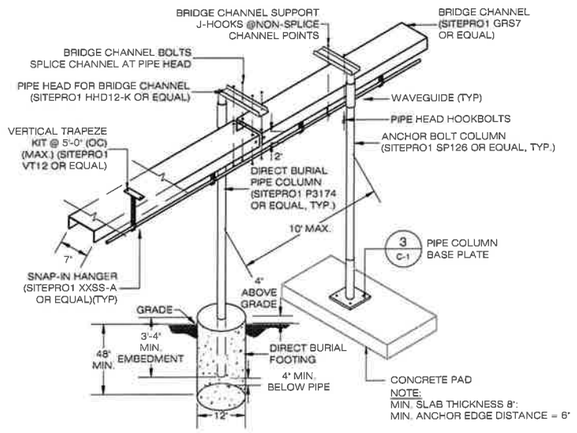
DRAWN BY: CSH
DATE: 10/21/22
CHECKED BY: RCB

SHEET TITLE:
TOWER ELEVATION

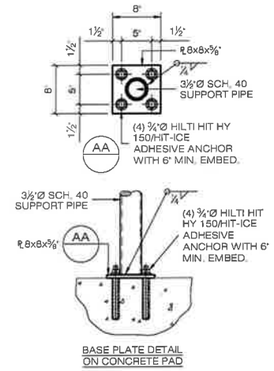
SHEET NUMBER:
A-2



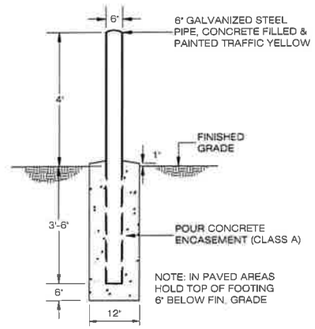
1 C-1 UTILITY BACKBOARD FRAME DETAIL
SCALE : N.T.S.



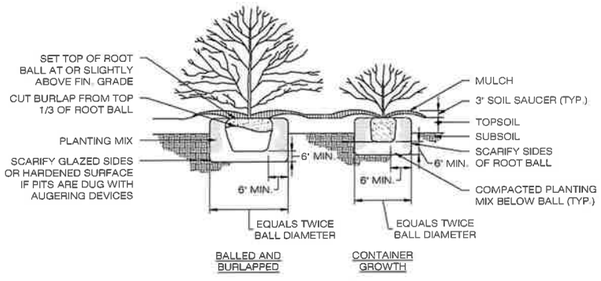
2 C-1 CABLE BRIDGE & COAX HANGER DETAIL
SCALE : N.T.S.



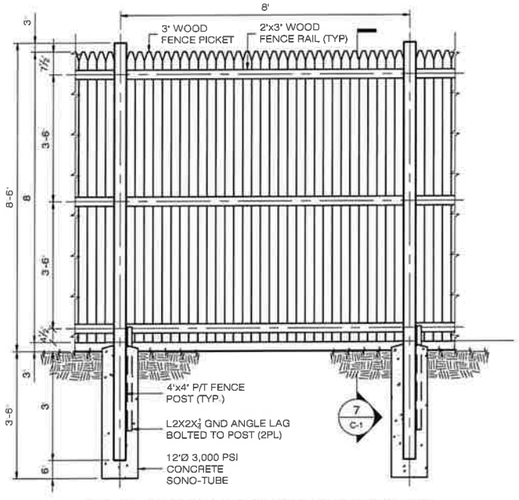
3 C-1 PIPE BASE PLATE
SCALE : N.T.S.



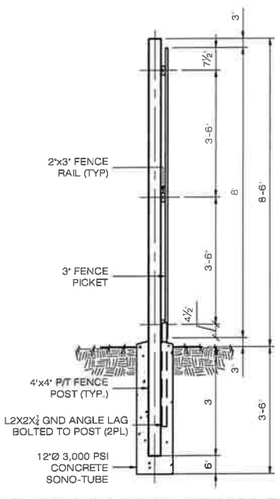
4 C-1 BOLLARD DETAIL
SCALE : N.T.S.



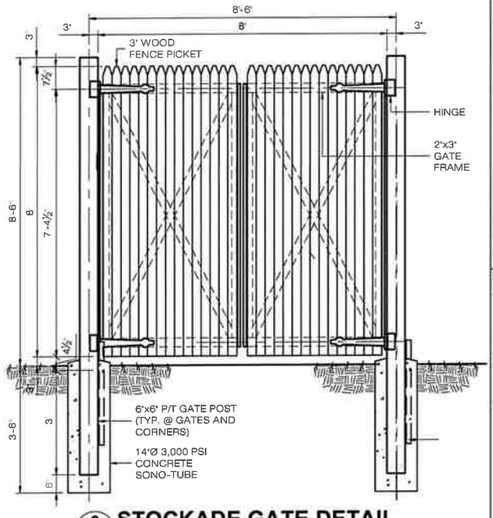
5 C-1 SHRUB PLANTING DETAIL
SCALE : N.T.S.



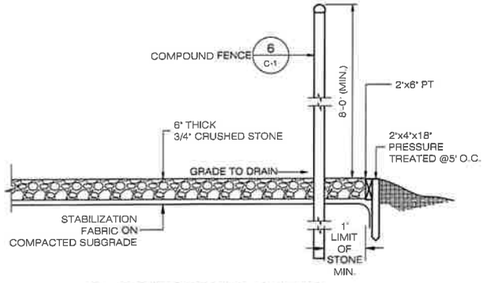
6 C-1 STOCKADE FENCING DETAIL
SCALE : ½" = 1'-0"



7 C-1 STOCKADE FENCING DETAIL
SCALE : ½" = 1'-0"



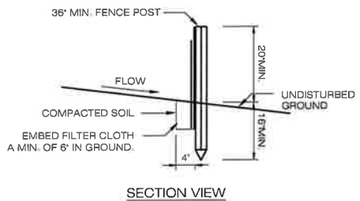
8 C-1 STOCKADE GATE DETAIL
SCALE : ½" = 1'-0"



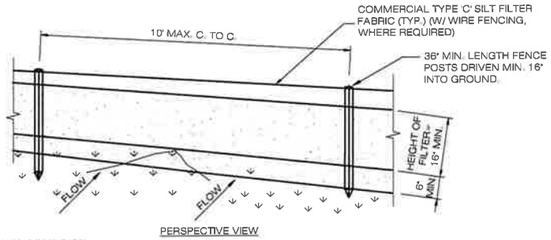
9 C-1 COMPOUND DETAIL
SCALE : N.T.S.

CONSTRUCTION SPECIFICATIONS

1. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
3. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE



SECTION VIEW



PERSPECTIVE VIEW

10 C-1 GEOTEXTILE SILT FENCE DETAIL
SCALE : N.T.S.

CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317

Cellco Partnership d/b/a
verizon WIRELESS
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

ALL-POINTS TECHNOLOGY CORPORATION
567 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385 PHONE: (860)-663-1697
WWW.ALLPOINTSTECH.COM FAX:(860)-663-0935

PERMITTING DOCUMENTS

NO	DATE	REVISION
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DESIGN PROFESSIONALS OF RECORD

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COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 567 VAUXHALL STREET EXT. SUITE 311 WATERFORD, CT 06385

DEVELOPER: CROWN CASTLE
ADDRESS: 2000 CORPORATE DRIVE CANONSBURG, PA 15317

REDDING/ RT7

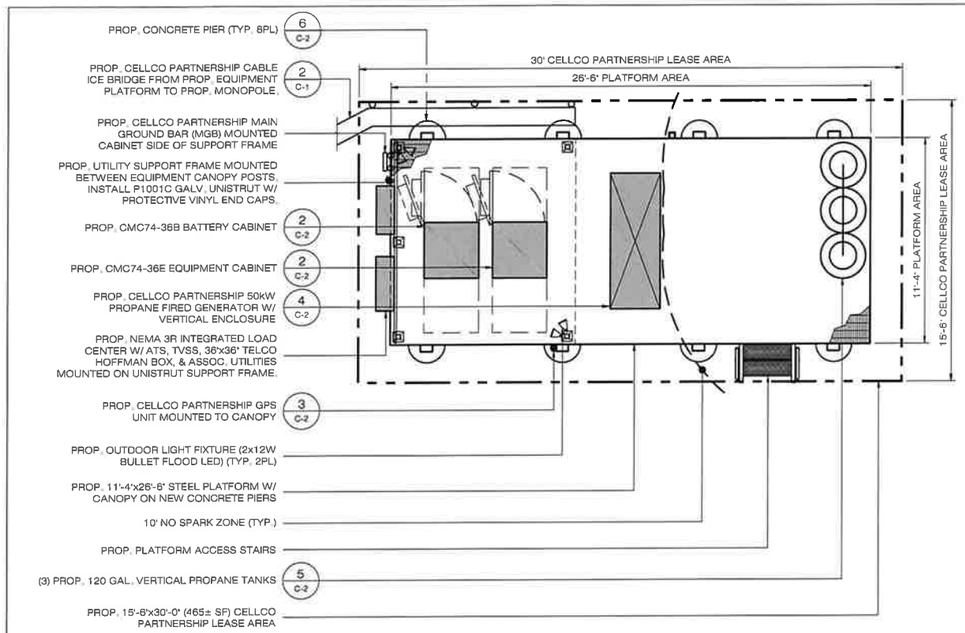
SITE ADDRESS: 845 ETHAN ALLEN HIGHWAY RIDGEFIELD, CT 06877

APT FILING NUMBER: CT1051300

DRAWN BY: CSH
DATE: 10/21/22
CHECKED BY: RCB

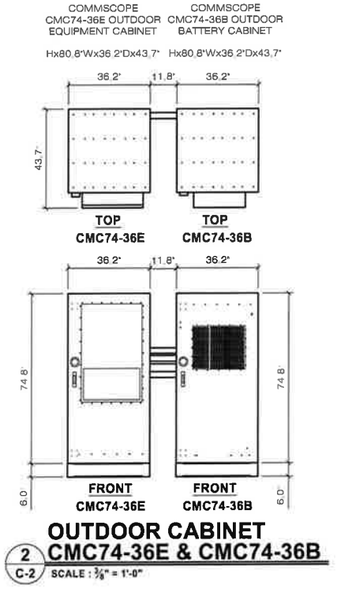
SHEET TITLE:
SITE DETAILS

SHEET NUMBER:
C-1

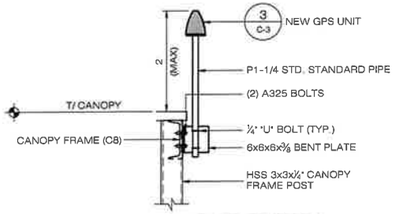


NOTE:
BASE FLOOD ELEVATION = 491 FT AMSL PER THE 100-YEAR FEMA BASE FLOOD ELEVATION (B.F.E.)
DESIGN FLOOD ELEVATION = 493 FT, OR B.F.E. + 2 FT.
ELECTRICAL DATUM PLANE = 493 FT.
ALL ELECTRICAL EQUIPMENT AND CONNECTIONS SHALL BE LOCATED AT OR ABOVE THE ELECTRICAL DATUM PLANE. ALL CABLE, WIRE & CONDUIT MAY BE INSTALLED BELOW ELECTRICAL DATUM PLANE AS LONG AS SUITABLE & LISTED FOR A WET LOCATION.

1 C-2 EQUIPMENT PLATFORM PLAN
SCALE : 1/4" = 1'-0"

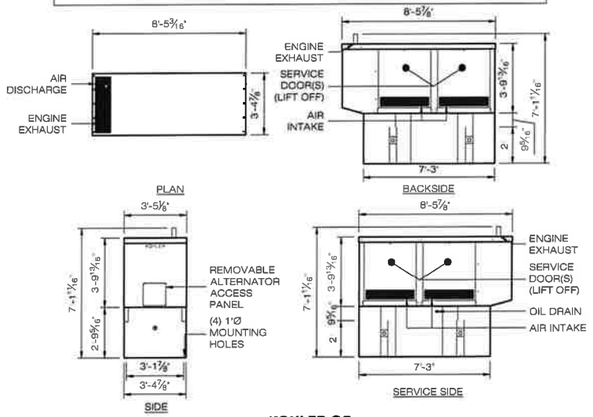


2 C-2 OUTDOOR CABINET CMC74-36E & CMC74-36B
SCALE : 3/8" = 1'-0"



3 C-2 GPS MOUNT
SCALE : N.T.S.

GENERATOR NOTES:
1. GENERATOR IS UL2200 LISTED. INSTALLATION SHALL COMPLY WITH NFPA 37.
2. GENERATOR TO BE EXERCISED MONDAY THROUGH FRIDAY, 9:00 A.M. TO 3:00 P.M. ONLY.
3. FOR ALL ROOFTOP DUNNAGE AND ROOFTOP EQUIPMENT PLATFORM APPLICATIONS, REMOVE GENERATOR BASE STAND PRIOR TO GENERATOR INSTALLATION TO ENSURE MAX. CIRCUIT BREAKER HEIGHT IS LESS THAN 6'-7" ABOVE WORKING SURFACE.

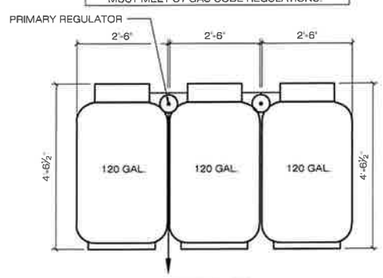


NOTE:
SIDES OF GENERATOR MUST BE A MIN. OF 24" AWAY FROM ANY OBSTRUCTION

KOHLER CO.
50kW NG/PROPANE-POWERED GENERATOR
MODEL # KG50 50REOZK,
120/240V, 1PH, 3W, 60 Hz w/
SOUND ATTENUATION ENCLOSURE

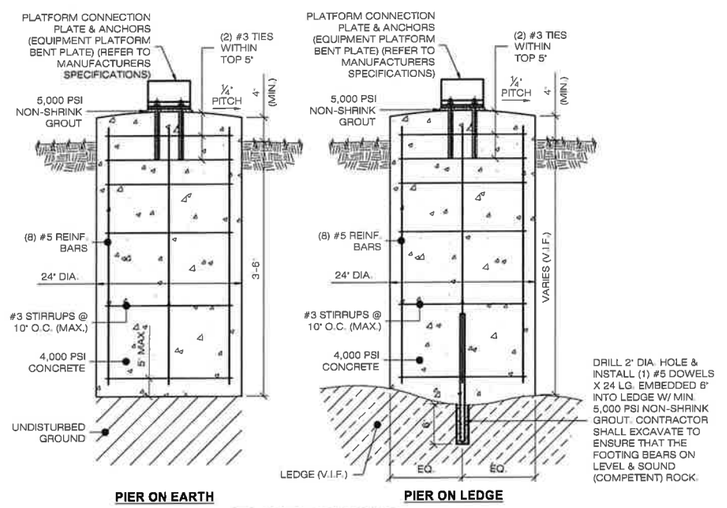
4 C-2 PROPANE GENERATOR SCHEMATICS
SCALE : 1/4" = 1'-0"

NOTES:
1. PROPANE TANKS SHALL BE REFILLED FROM HOSE PULLED FROM A REFILLING VEHICLE PARKED AT THE PARKING AREA.
2. A FILL VALVE WITH A MANUAL SHUTOFF WILL BE USED. 2 MODELS ARE LISTED BELOW: REGO MODELS 7501L & 7502L MARSHALL EXCELSIOR MODELS ME 600-6 & 600-10.
3. ALL ABOVE-GROUND GAS SERVICE LINES MUST MEET CT GAS CODE REGULATIONS.



VERTICAL VIEW

5 C-2 ABOVE GROUND PROPANE TANK DETAIL
SCALE : N.T.S.



6 C-2 PIER DETAIL
SCALE : 1" = 1'-0"

CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317

Cellco Partnership d/b/a
verizon WIRELESS
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

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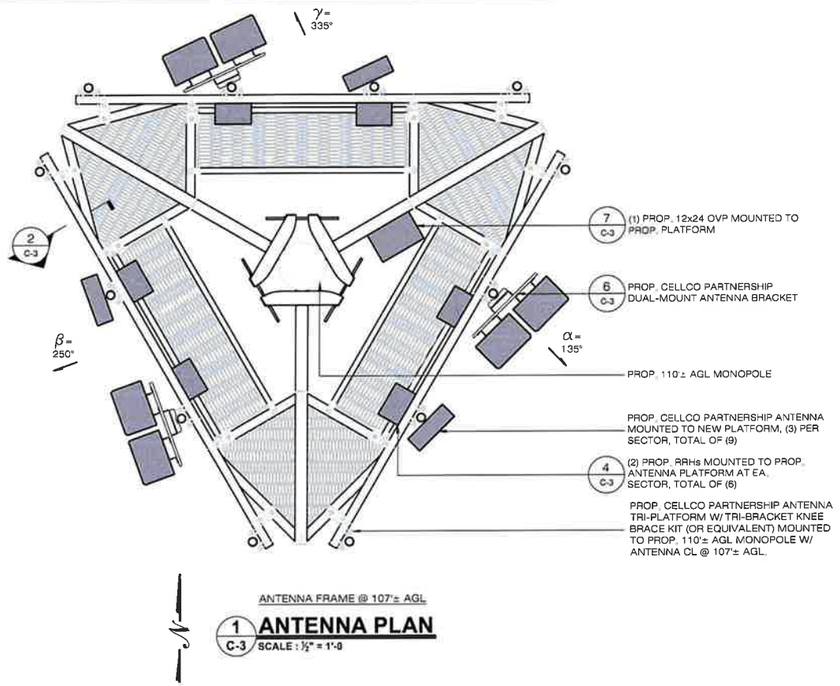
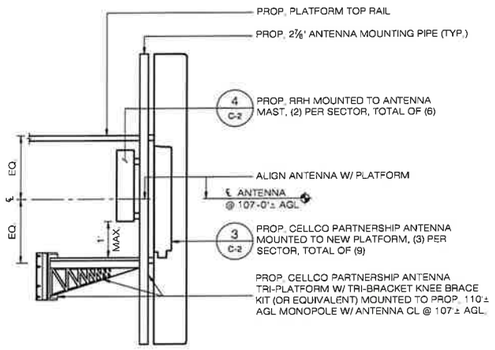
VERIZON EQUIPMENT PLAN & DETAILS

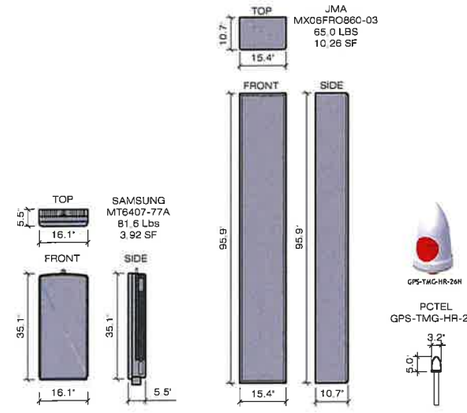
SHEET NUMBER:
C-2



1 C-3 ANTENNA PLAN
SCALE : ½" = 1'-0



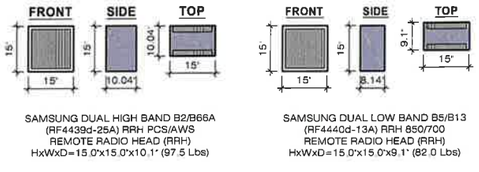
2 C-2 ANTENNA MOUNTING DETAIL
SCALE : ½" = 1'-0"



PANEL ANTENNAS

GPS UNITS

3 C-3 ANTENNA DETAILS
SCALE : ½" = 1'-0

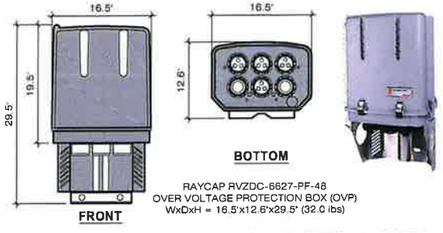


SAMSUNG DUAL HIGH BAND B2/B66A
(RF4439d-25A) RRH PCS/AWS
REMOTE RADIO HEAD (RRH)
HxWxD=15.0"x15.0"x10.1" (97.5 Lbs)

SAMSUNG DUAL LOW BAND B5/B13
(RF4440d-13A) RRH 850/700
REMOTE RADIO HEAD (RRH)
HxWxD=15.0"x15.0"x9.1" (82.0 Lbs)

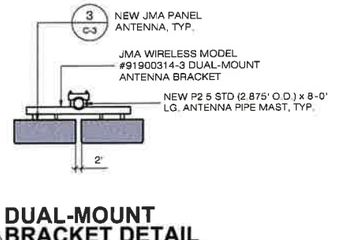
NOTE: WEIGHTS INCLUDE SOLAR SHEILD & MOUNTING BRACKET

4 C-3 RRH EQUIPMENT
SCALE : ½" = 1'-0"

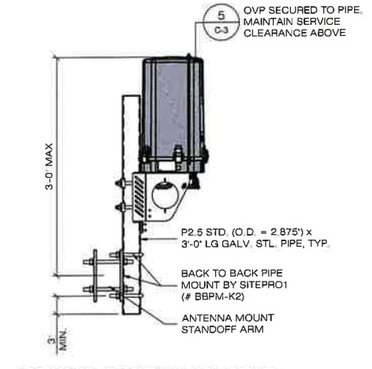


RAYCAP RVZDC-6627-PF-48
OVER VOLTAGE PROTECTION BOX (OVP)
WxDxH = 16.5"x12.6"x29.5" (32.0 lbs)

5 C-3 MAIN DISTRIBUTION BOX (12 OVP)
SCALE: 1" = 1'-0"



6 C-3 DUAL-MOUNT BRACKET DETAIL
SCALE : N.T.S.



7 C-3 OVP TOWER MOUNT
SCALE : ½" = 1'-0"

CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317

Cellco Partnership d/b/a
verizon WIRELESS
20 ALEXANDER DRIVE
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DEVELOPER: CROWN CASTLE
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REDDING/ RT7

SITE ADDRESS: 845 ETHAN ALLEN HIGHWAY RIDGEFIELD, CT 06877

APT FILING NUMBER: CT1051300

DRAWN BY: CSH
DATE: 10/21/22 CHECKED BY: RCB

SHEET TITLE:
VERIZON ANTENNA PLAN & DETAILS

SHEET NUMBER:
C-3

ATTACHMENT 4

ALL-POINTS TECHNOLOGY CORPORATION

WETLAND INSPECTION

August 17, 2022 **APT Project No.: CT1051300**

Client: Crown Castle Atlantic LLC
2000 Corporate Drive
Canonsburg, PA 15317

Project Name: Redding/Rte 7

Site Address: 845 Ethan Allen Highway, Ridgefield, Connecticut

Project Description: Client proposes replacement of an existing 100' tall unipole telecommunications tower with a 110' tall monopole tower and expansion of an existing equipment compound.

Date of Investigation: 6/30/2022

Field Conditions: **Weather:** sunny, mid 80's
Soil Moisture: dry to moist

Wetland/Watercourse Delineation Methodology[1]:

☒Connecticut Inland Wetlands and Watercourses

☐Connecticut Tidal Wetlands

Municipal Upland Review Area:

Wetlands: 100 feet
Watercourses: 100 feet

The wetlands inspection was performed by[2]:

Matthew Gustafson, Registered Soil Scientist

Enclosures: Wetland Delineation Field Form & Wetland Inspection Map

This report is provided as a brief summary of findings from APT's wetland investigation of the referenced Study Area that consists of proposed development activities and areas generally within 200 feet.[3] If applicable, APT is available to provide a more comprehensive wetland impact analysis upon receipt of site plans depicting the proposed development activities and surveyed location of identified wetland and watercourse resources.

---

[1] *Wetlands and watercourses were delineated in accordance with applicable local, state and federal statutes, regulations and guidance.*

2 All established wetlands boundary lines are subject to change until officially adopted by local, state, or federal regulatory agencies.

[3] *APT has relied upon the accuracy of information provided by Crown Castle and its contractors regarding proposed lease area and access road/utility easement locations for identifying wetlands and watercourses within the study area.*

Attachments

- Wetland Delineation Field Form
- Wetland Inspection Map

Wetland Delineation Field Form

Wetland I.D.:	Wetland 1	
Flag #'s:	WF 1-01 to 1-18	
Flag Location Method:	Site Sketch ☒	GPS (sub-meter) located ☒

WETLAND HYDROLOGY:

NONTIDAL ☒

Intermittently Flooded ☐	Artificially Flooded ☐	Permanently Flooded ☐
Semipermanently Flooded ☐	Seasonally Flooded ☒	Temporarily Flooded ☐
Permanently Saturated ☐	Seasonally Saturated/seepage ☒	Seasonally Saturated/perched ☐
Comments: Wetland 1 consists of seasonally saturated bordering wetlands along the southern bank of the Norwalk River within its floodplain margins.		

TIDAL ☐

Subtidal ☐	Regularly Flooded ☐	Irregularly Flooded ☐
Irregularly Flooded ☐		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine ☐	Riverine ☐	Palustrine ☒
Lacustrine ☐	Marine ☐	
Comments: None		

CLASS:

Emergent ☒	Scrub-shrub ☒	Forested ☒
Open Water ☒	Disturbed ☒	Wet Meadow ☐
Comments: Wetland system is dominated by a complex of emergent and scrub/shrub habitats with interior forested and open water resources. Delineated boundary is characterized by toe of fill slope associated with the existing site development.		

WATERCOURSE TYPE:

Perennial ☒	Intermittent ☐	Tidal ☐
Watercourse Name: Norwalk River		
Comments: The Norwalk River consist of a broad open water channel which flows west to east along the northern property boundary.		

Wetland Delineation Field Form (Cont.)

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes ☐ No ☒ Potential ☐	Other ☐
Vernal Pool Habitat Type: None	
Comments: None	

SOILS:

Are field identified soils generally consistent with NRCS mapped soils?	Yes ☒	No ☐
Wetland soils: Saco silt loam (soil unit 108); Catden and Freetown soils (soil unit 18) Upland soils: Canton and Charlton fine sandy loams (soil unit 60); Sutton fine sandy loam (soil unit 50); Udorthents-Urban land complex (soil unit 306)		

DOMINANT PLANTS:

Broad-Leaf Cattail (Typha latifolia)	Silky Dogwood (Cornus amomum)
Skunk Cabbage (Symplocarpus foetidus)	Spicebush (Lindera benzoin)
Green Ash (Fraxinus pennsylvanica)	Sphagnum moss (Sphagnum spp.)
Common Reed* (Phragmites australis)	Red Maple (Acer rubrum)
Eastern Cottonwood (Populus deltoides)	Multiflora Rose* (Rosa multiflora)

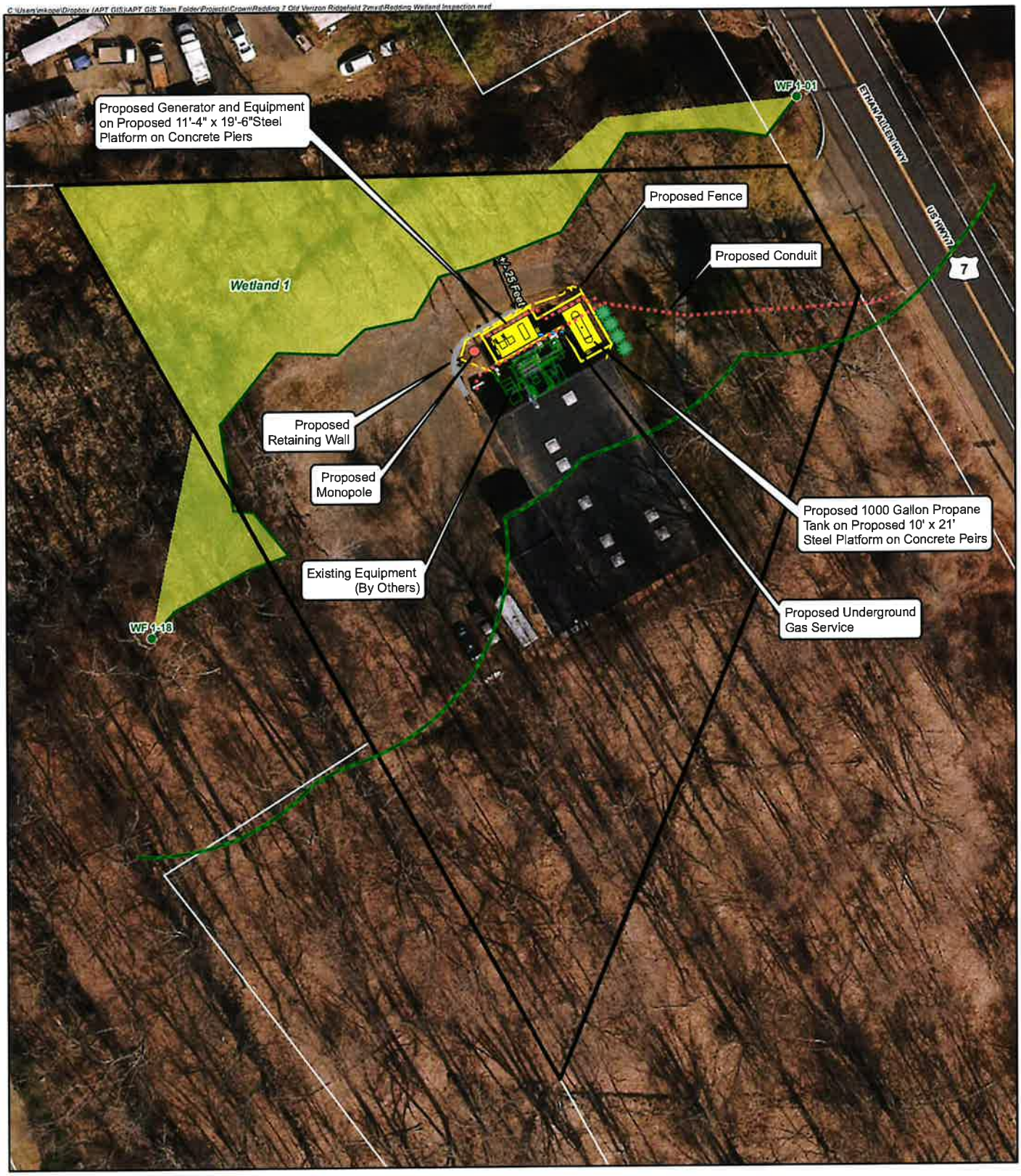
* denotes Connecticut Invasive Species Council invasive plant species

GENERAL COMMENTS:

One wetland, identified as Wetland 1, was identified on the subject property in proximity to the existing and proposed wireless telecommunications facility. Wetland 1 consists of a complex of hillside seep wetlands draining to the Norwalk River, bordering floodplain wetlands, and backwater wetlands to the riverine resource. A majority of the wetland is forested and scrub/shrub. Hillside seep areas occur to the west of the Project Area with a disturbed/fill slope marking the wetland boundary. This wetland drains east under State Route 7.

Based on APT's current understanding of the proposed tower replacement and compound expansion project, the proposed activities would not directly impact nearby wetlands or the Norwalk River. Activities associated with expansion of the compound would occur ±25 feet south of the nearest wetland boundary. An existing gravel access that currently services the property's existing development, including the existing telecommunications facility, will continue to be used for access.

Minor temporary wetland impacts may be associated with construction activities due to the close proximity to wetlands. Provided sedimentation and erosion controls are designed, installed and maintained during construction in accordance with the *2002 Connecticut Guidelines For Soil Erosion and Sediment Control*, temporary impacts would be anticipated to be minimal. APT will provide a complete wetland assessment once site plans are finalized in order to evaluate the project's impact to nearby wetland resources.



Legend

- Subject Property
- Approximate Parcel Boundary
- Municipal Boundary
- Wetland Flag
- 100' Upland Review Area
- Delineated Wetland Boundary
- Approximate Wetland Area
- Proposed Tree
- M-EQUIP-PROP
- Proposed Conduit
- Proposed Fence
- Proposed Gas Service
- Proposed Retaining Wall
- Proposed Tower
- Proposed Equipment
- Proposed Lease Area
- Existing Equipment

Wetland Inspection Map

Proposed Wireless Telecommunications Facility
Redding/RTE 7
845 Ethan Allen Highway
Ridgefield, Connecticut

N
W E
S

60 30 0 60 Feet

CROWN CASTLE

ALL-POINTS TECHNOLOGY CORPORATION

Map Notes:
Base Map Source: 2019 Aerial Photograph (CTECO)
Map Scale: 1 Inch = 60 feet
Map Date: July 2022

ALL-POINTS TECHNOLOGY CORPORATION

WETLAND & FLOODPLAIN IMPACT ANLYSIS

November 21, 2022

Ms. Sarah Brown, Sr. Business Analyst
Crown Castle
6325 Ardrey Road, Suite 600
Charlotte, NC 28277

Re: Crown Castle Redding/RT7 Telecommunications Facility
845 Ethan Allen Highway
Ridgefield, Connecticut 06877

Dear Ms. Brown,

On behalf of Crown Castle, All-Points Technology Corporation, P.C. ("APT") is pleased to provide this wetland and floodplain impact analysis for the referenced telecommunications replacement project. APT understands that Crown Castle has designated this telecommunications site as the "Redding/RT7" facility and is referenced herein as the "Replacement Facility". This document provides an analysis of the proposed Replacement Facility's impact to wetland and floodplain resources that are located on the subject property based on APT's wetland investigation performed on June 30, 2022 and a review of site plans prepared by APT dated 10/21/22.

Project and Site Description

The subject property consists of an approximately 1.8-acre parcel developed with a commercial office building identified as 845 Ethan Allen Highway in Ridgefield, Connecticut. Access to the subject property and Replacement Facility is currently provided by an existing gravel driveway that serves the office building and existing unipole wireless communications facility. The surrounding land-use consists of commercial properties to the north, east and south and residences to the west. The subject property is surrounded by commercial, agricultural and open space uses.

The subject property currently contains a 100-foot tall flagpole style wireless communications tower ("unipole") and associated equipment compound located along the north side of an existing office building that occupies the property. The unipole tower is not capable of supporting new wireless communications antenna and supporting equipment, requiring upgrading to a standard monopole design. Crown Castle proposes to construct the Replacement Facility (consisting of a self-supporting, monopole tower) in the same general location as the existing tower. The existing fenced compound

surrounding the flagpole tower requires a minor expansion to accommodate the proposed Replacement Facility and Verizon's equipment, which will be installed on an elevated steel platform.

Wetland Impact Analysis

One wetland area was delineated along the north and west parcel boundaries, consisting of the Norwalk River (to the north) and bordering forested floodplain wetlands. Please refer to the enclosed Wetland Delineation Map provided in Attachment A - Figures for the location of the identified wetland resource area. This riparian wetland system consists of a nearly level forested floodplain bordering along the south bank of the Norwalk River. Both mineral floodplain soils and organic soils comprise the identified swamp. The delineated jurisdictional edge is characterized by a shallow fill slope associated with the subject property development, resulting in disturbance along the boundary of this wetland system.

Based on APT's understanding of the proposed Replacement Facility and a review of the project site plans, no direct impact to wetlands is associated with the proposed Replacement Facility development. The proposed compound would be located ±25 feet south of Wetland at its nearest point from the northeast side of the proposed retaining wall. Although the proposed Replacement Facility would be slightly closer to wetlands than existing conditions, an existing gravel drive is currently located between the existing facility and Wetland 1 so the proposed development would not encroach closer to nearby wetlands than the existing site development footprint. No improvements are required to the existing gravel drive for the Replacement Facility development activities. A new underground utility conduit is proposed south of the existing gravel drive from CL&P pole #19730 located along Ethan Allen Highway to the existing transformer located within the existing facility compound.

As will be discussed in the subsequent Floodplain Impact Analysis section, a compensatory flood storage area is proposed near the west property boundary to compensate for flood volume loss associated with expansion of the existing compound due to its location within a flood hazard AE zone. The compensatory flood storage area is proposed in a fill area located immediately adjacent to the wetland boundary along the western property boundary. Although no direct permanent impact to wetlands will occur due to construction of the compensatory flood storage area, work will occur along the wetland boundary in order to provide an unrestricted hydraulic connection to the Norwalk River. Appropriate erosion controls will be installed along the perimeter of the compensatory flood storage area, including some just within wetlands, to protect adjoining wetland resources and the Norwalk River. Any temporary disturbance to wetlands associated with the installation of erosion controls will be properly restored. The majority of the compensatory flood storage area will be planted with native wetland forbs and shrubs, resulting in both an increase in flood storage volume and wetland habitat on the subject property. The area within the proposed 489 foot grading line of the compensatory flood storage area (refer to Sheet No. SP-1) is located at the same elevation as the adjoining wetland and is anticipated to sustain wetland hydrology for a sufficiently long enough period during the growing season to support wetland vegetation. This area would be planted with a New England

wetland seed mix containing various native wetland sedges, rushes and other forbs. The side slopes of the compensatory flood storage area and areas above proposed grade elevation 489 would be planted with a conservation seed mix containing various native upland grasses and forbs.

Minor temporary impacts may occur during construction of the Replacement Facility due to the close proximity to wetlands. Provided sedimentation and erosion controls are designed, installed and maintained during construction activities in accordance with the *2002 Connecticut Guidelines For Soil Erosion and Sediment Control*, temporary impacts would be minimized/avoided. APT recommends that a wetland protection plan be implemented to provide additional protective measures to avoid temporary wetland impacts during construction. A proposed wetland protection plan is provided in Attachment B.

The wetland system currently experiences a high level of human activity associated with past and ongoing development activities including both on the subject property and on adjoining commercial properties as well as along State Route 7. Long term secondary impacts to wetland resources possibly associated with the operation of this facility are minimized by the fact the development is unmanned, it minimizes the creation of impervious surfaces with the use of a gravel compound, and it creates minimal traffic.

Provided these recommendations are implemented, it is APT's opinion that the proposed Replacement Facility development would not result in a likely adverse impact to wetland resources or the Norwalk River.

Floodplain Impact Analysis

The Replacement Facility is located within a Special Flood Hazard Zone AE with a 100-year Base Flood Elevation ("BFE") of 491 feet (NAVD 1988 datum; NGVD 1929 conversion = 492.0 feet) based on information from FIRM Panel 228, Map 09001C0228F, Effective Date June 18, 2010 and Flood Insurance Study, Volume 5 of 6, Fairfield County, Connecticut, Effective Date October 16, 2013. The FEMA map is provided in Attachment A – Figures. The BFE of 492.0 feet was used for evaluating the Replacement Facility's floodplain impacts and for calculating the total cubic yards of compensatory storage for proposed development located at and above this BFE. No work is proposed within the Norwalk River floodway.

A section of the existing facility retaining wall will be removed and replaced to support the proposed Replacement Facility's compound expansion. The proposed retaining wall will be designed in accordance with the CT Building Code and to withstand the subject flood event. A compensatory flood storage area will be installed along the western property line of the subject property as a means to offset the displaced volume from the proposed retaining wall, compound fill and equipment platform pier foundations. The bottom of the steel for the proposed equipment platform is at elevation 494.0 feet, placing it 2 feet above the BFE of 492.0 feet. The grade around the tower foundation is 492.0

feet and above; therefore, the concrete foundation for the tower is not included in the displacement calculation.

The total floodplain storage volume loss has been calculated to be 23.4± cubic yards for the Replacement Facility compound (new retaining wall, associated fill, equipment platform pier foundations). A 59.7± cubic yard compensatory flood storage area is proposed along the west property boundary within an existing fill area that will provide unrestricted hydraulic access to the Norwalk River and adjoining floodplain wetlands. This will generally provide compensatory flood storage on an equal volume, equal elevation basis to the project's floodplain displacement. The result of these activities will increase the Norwalk River's flood storage capacity by 36.3± cubic yards.

Based on the proposed design that minimizes impact to floodplain resources in combination with the compensatory storage area, the Replacement Project will not result in an adverse effect to the hydraulic characteristics of the Norwalk River floodplain.

As the Connecticut Siting Council's jurisdiction supersedes local jurisdiction, the proposed project will not be securing a floodplain development permit under local zoning regulations that would typically evaluate compliance with National Flood Insurance Program ("NFIP") regulations. Therefore, Crown Castle will request a review of the project's floodplain activities for compliance with the NFIP regulations and applicable design standards from the NFIP State Coordinator located at the Connecticut Department of Energy & Environmental Protection's office. The results of the NFIP compliance determination request will be forwarded to the Council upon receipt.

If you have any questions regarding this wetland and floodplain impact analysis, please feel free to contact me by telephone at (860) 552-2033 or dgustafson@allpointstech.com

Sincerely,
All-Points Technology Corp., P.C.

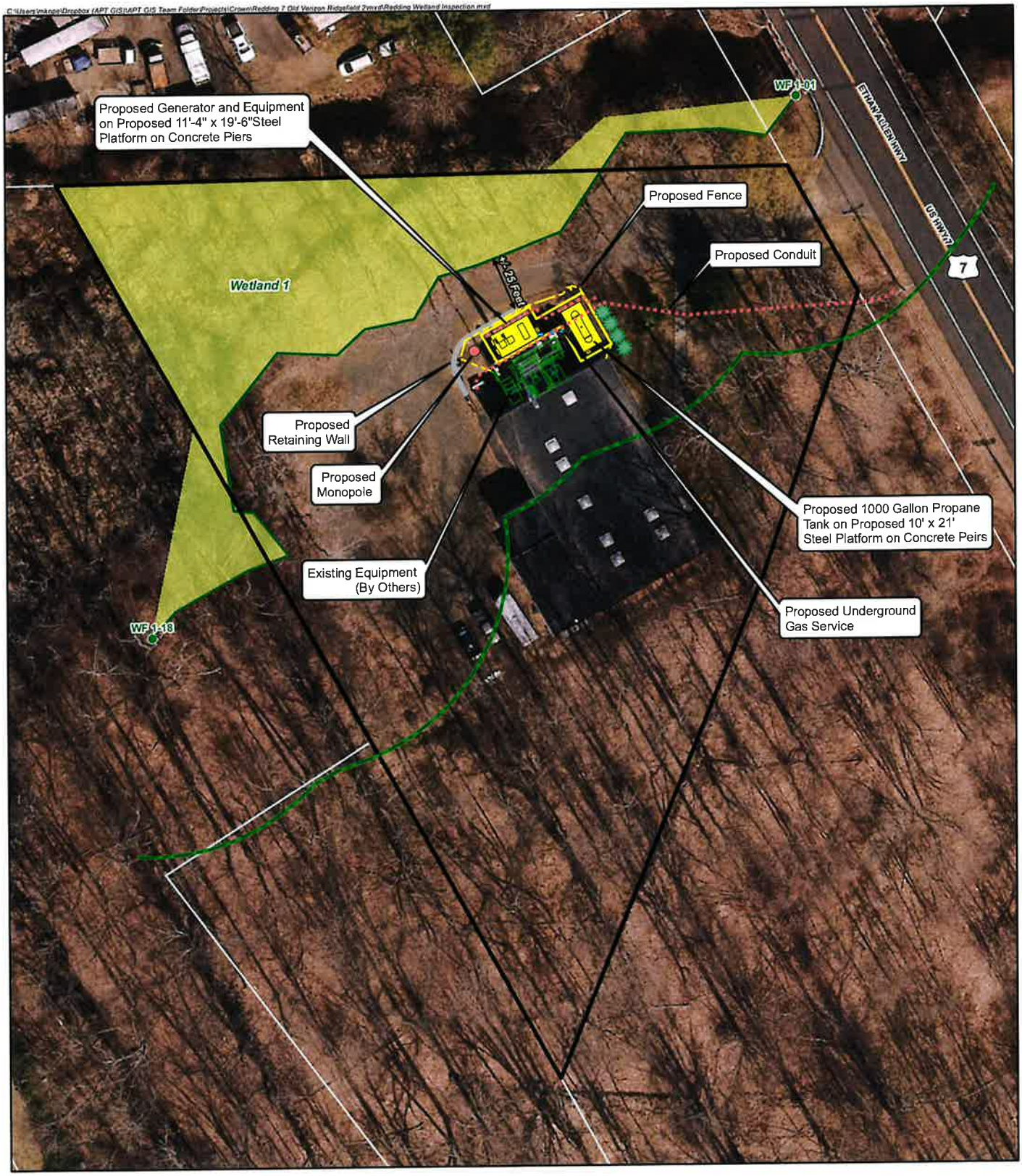
Dean Gustafson
Senior Wetland Scientist

Enclosures

cc: Kenneth C. Baldwin, Robinson & Cole LLP
Robert Burns, APT

Attachment A
Figures

- Wetland Inspection Map
- FEMA FIRMette Map



Legend

- Subject Property
- Approximate Parcel Boundary
- Municipal Boundary
- Wetland Flag
- 100' Upland Review Area
- Delineated Wetland Boundary
- Approximate Wetland Area
- Proposed Tree
- M-EQUIP-PROP
- Proposed Conduit
- Proposed Fence
- Proposed Gas Service
- Proposed Retaining Wall
- Proposed Tower
- Proposed Equipment
- Proposed Lease Area
- Existing Equipment

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60 30 0 60 Feet

Map Notes:
Base Map Source: 2019 Aerial Photograph (CTECO)
Map Scale: 1 inch = 60 feet
Map Date: July 2022

Wetland Inspection Map

Proposed Wireless Telecommunications Facility
Redding/RTE 7
845 Ethan Allen Highway
Ridgefield, Connecticut

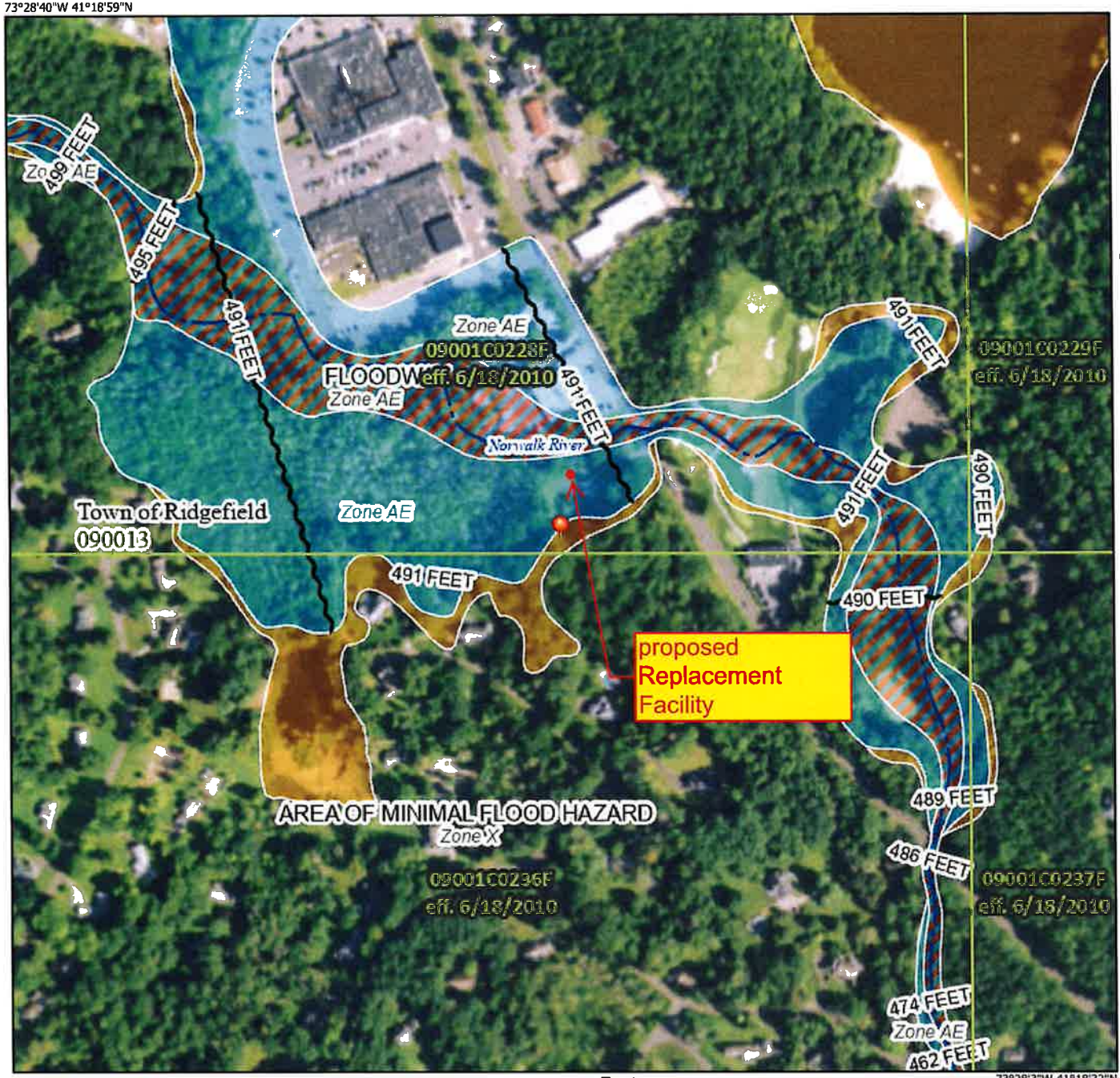
CROWN CASTLE

ALL-POINTS TECHNOLOGY CORPORATION

National Flood Hazard Layer FIRMette

FEMA

73°28'40"W 41°18'59"N



73°28'3"W 41°18'32"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
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- Levee, Dike, or Floodwall

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- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

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- Digital Data Available
- No Digital Data Available
- Unmapped

N

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Attachment B
Wetland Protection Program

ENVIRONMENTAL NOTES - RESOURCES PROTECTION MEASURES

WETLAND AND NORWALK RIVER PROTECTION PROGRAM

As a result of the project's location in the vicinity of sensitive wetland resources and the Norwalk River, the following Protection Program shall be implemented by the Contractor to avoid unintentional impacts to proximate wetland resources during construction activities.

It is of the utmost importance that the Contractor complies with the requirement for the installation of protective measures and the education of its employees and subcontractors performing work on the project site. The wetland protection measures shall be implemented and maintained throughout the duration of construction activities until permanent stabilization of site soils has occurred.

All-Points Technology Corporation, P.C. ("APT") will serve as the Environmental Monitor for this project to ensure that these protection measures are implemented properly and will provide an education session on the project's proximity to sensitive wetland resources prior to the start of construction activities and typical amphibians and reptiles associated with these habitats that may be encountered during construction. The Contractor shall contact Dean Gustafson, Senior Wetland Scientist at APT, at least 5 business days prior to the pre-construction meeting. Mr. Gustafson can be reached by phone at (860) 552-2033 or via email at dgustafson@allpointstech.com.

This resources protection program consists of several components including: education of all contractors and sub-contractors prior to initiation of work on the site; installation of erosion controls; petroleum materials storage and spill prevention; protective measures; rare species protection measures; herbicide, pesticide, and salt restrictions; and, reporting.

1. **Contractor Education:**

    a. Prior to work on site and initial deployment/mobilization of equipment and materials, the Contractor shall attend an educational session at the pre-construction meeting with APT. This orientation and educational session will consist of information such as, but not limited to: identification of wetland resources proximate to work areas and the environmentally sensitive nature of the development site.

    b. The Contractor will be provided with cell phone and email contacts for APT personnel to immediately report any releases or impacts to nearby wetland resource areas. Educational poster materials of the environmentally sensitive nature of the work area will be provided by APT and displayed on the job site to maintain worker awareness as the project progresses.

2. **Erosion and Sedimentation Controls/Isolation Barriers**

    a. Plastic netting used in a variety of erosion control products (i.e., erosion control blankets, fiber rolls [wattles], reinforced silt fence) has been found to entangle wildlife, including reptiles, amphibians, birds and small mammals. No permanent erosion control products or reinforced silt fence will be used on the project. Temporary erosion control products that will be exposed at the ground surface and represent a potential for wildlife entanglement will use either erosion control blankets and fiber rolls

composed of processed fibers mechanically bound together to form a continuous matrix (netless) or netting composed of planar woven natural biodegradable fiber to avoid/minimize wildlife entanglement.

b. The extent of the erosion controls will be as shown on the site plans. The Contractor shall have additional sedimentation and erosion controls stockpiled on site should field or construction conditions warrant extending devices. In addition to the Contractor making these determinations, requests for additional controls will also be at the discretion of the Environmental Monitor.

c. Installation of erosion and sedimentation controls, required for erosion control compliance and creation of a barrier to possible migrating/dispersing wildlife, shall be performed by the Contractor. The Environmental Monitor will inspect the work zone area prior to and following erosion control barrier installation. In addition, work zones will be inspected prior to and following erosion control barrier installation to ensure the area is free of wildlife and satisfactorily installed. The intent of the barrier is to segregate the majority of the work zone from possible migrating wildlife, in addition to serving as an erosion control device. Oftentimes complete isolation of a work zone is not feasible due to accessibility needs and locations of staging/material storage areas, etc. In those circumstances, the barriers will be positioned to deflect migrating/dispersal routes away from the work zone to minimize potential encounters with wildlife at the discretion of the Environmental Monitor.

d. The Contractor shall be responsible for daily inspections of the sedimentation and erosion controls for tears or breeches and accumulation levels of sediment, particularly following storm events that generate a discharge, as defined by and in accordance with applicable local, state and federal regulations. The Contractor shall notify the APT Environmental Monitor within 24 hours of any breeches of the sedimentation and erosion controls and any sediment releases beyond the perimeter controls that impact wetlands or areas within 100 feet of wetlands. The APT Environmental Monitor will provide periodic inspections of the sedimentation and erosion controls throughout the duration of construction activities only as it pertains to their function to protect nearby wetlands. Such inspections will generally occur once per month. The frequency of monitoring may increase depending upon site conditions, level of construction activities in proximity to sensitive receptors, or at the request of regulatory agencies. If the Environmental Monitor is notified by the Contractor of a sediment release, an inspection will be scheduled specifically to investigate and evaluate possible impacts to wetland resources.

e. Third party monitoring of sedimentation and erosion controls will be performed by other parties, as necessary, under applicable local, state and/or federal regulations and permit conditions.

f. No equipment, vehicles or construction materials shall be stored within 100 feet of wetland resources outside of the established work zone.

g. All silt fencing and other erosion control devices shall be removed within 30 days of completion of work and permanent stabilization of site soils. If

fiber rolls/wattles, straw bales, or other natural material erosion control products are used, such devices will not be left in place to biodegrade and shall be promptly removed after soils are stable so as not to create a barrier to wildlife movement. Seed from seeding of soils should not spread over fiber rolls/wattles as it makes them harder to remove once soils are stabilized by vegetation.

3. **Petroleum Materials Storage and Spill Prevention**

a. Certain precautions are necessary to store petroleum materials, refuel and contain and properly clean up any inadvertent fuel or petroleum (i.e., oil, hydraulic fluid, etc.) spill due to the project's location in proximity to wetland resources.

b. A spill containment kit consisting of a sufficient supply of absorbent pads and absorbent material will be maintained by the Contractor at the construction site throughout the duration of the project. In addition, a waste drum will be kept on site to contain any used absorbent pads/material for proper and timely disposal off site in accordance with applicable local, state and federal laws.

c. Servicing of machinery shall not occur within 100 feet of wetlands.

d. At a minimum, the following petroleum and hazardous materials storage and refueling restrictions and spill response procedures will be adhered to by the Contractor.

i. Petroleum and Hazardous Materials Storage and Refueling
   1. Refueling of vehicles or machinery shall occur a minimum of 100 feet from wetlands. If refueling within 100 feet from wetlands is required, it shall take place on an impervious pad with secondary containment designed to contain fuels.
   2. Any fuel or hazardous materials that must be kept on site shall be stored on an impervious surface utilizing secondary containment a minimum of 100 feet from wetlands.

ii. Initial Spill Response Procedures
   1. Stop operations and shut off equipment.
   2. Remove any sources of spark or flame.
   3. Contain the source of the spill.
   4. Determine the approximate volume of the spill.
   5. Identify the location of natural flow paths to prevent the release of the spill to sensitive nearby wetlands.
   6. Ensure that fellow workers are notified of the spill.

iii. Spill Clean Up & Containment
   1. Obtain spill response materials from the on-site spill response kit. Place absorbent materials directly on the release area.
   2. Limit the spread of the spill by placing absorbent materials around the perimeter of the spill.
   3. Isolate and eliminate the spill source.
   4. Contact appropriate local, state and/or federal agencies, as necessary.

5. Contact a disposal company to properly dispose of contaminated materials.

iv. Reporting
   1. Complete an incident report.
   2. Submit a completed incident report to local, state and federal agencies, as necessary, including the Connecticut Siting Council.

4. Herbicide, Pesticide, and Salt Restrictions

a. The use of herbicides and pesticides at the Facility shall be minimized. If herbicides and/or pesticides are required at the Facility, their use will be used in accordance with current Integrated Pest Management ("IPM") principles with particular attention to avoid/minimize applications within 100 feet of wetland resources.

b. Maintenance of the facility during the winter months shall minimize the application of chloride-based deicers salt with use of more environmentally friendly alternatives.

5. Reporting

a. Compliance Monitoring Reports (brief narrative and applicable photos) documenting each APT inspection will be submitted by APT to Crown Castle and its Contractor for compliance verification of these protection measures. These reports are not to be used to document compliance with any other permit agency approval conditions (i.e., DEEP Stormwater Permit monitoring, etc.). Any non-compliance observations of erosion control measures or evidence of erosion or sediment release will be immediately reported to Crown Castle and its Contractor and included in the reports along with any observations of wildlife.

b. Following completion of the construction project, APT will provide a final Compliance Monitoring Report to Crown Castle documenting implementation of the wetland protection program and monitoring observations. Crown Castle is responsible for providing a copy of the final Compliance Monitoring Report to the Connecticut Siting Council for compliance verification.

c. Any observations of rare species will be reported to CTDEEP by APT, with photo-documentation (if possible) and with specific information on the location and disposition of the animal.

ALL-POINTS TECHNOLOGY CORPORATION

NFIP CONSULTATION

November 21, 2022

via Email: diane.ifkovic@ct.gov

Ms. Diane Ifkovic, NFIP State Coordinator
Connecticut Department of Energy & Environmental Protection
79 Elm Street
Hartford, Connecticut 06106-5127

Re: NFIP Compliance Determination
Crown Castle Redding/RT7 Telecommunications Facility
845 Ethan Allen Highway
Ridgefield, Connecticut 06877

Dear Ms. Ifkovic,

On behalf of Crown Castle, All-Points Technology Corporation, P.C. ("APT") is pleased to submit this letter requesting a determination from the National Flood Insurance Program ("NFIP") State Coordinator that the referenced telecommunications replacement project complies with applicable NFIP regulations. Crown Castle has designated this telecommunications site as the "Redding/RT7" Facility and is referenced herein as the "Replacement Facility".

As the proposed project would fall under Connecticut Siting Council's jurisdiction, which supersedes local jurisdiction, the proposed project will not secure a floodplain development permit under local zoning regulations that would otherwise evaluate compliance with NFIP regulations. Therefore, a review of the project's floodplain activities for compliance with the NFIP regulations is respectfully requested from your office.

Background

This project is similar to a previous December 22, 2015 NFIP consultation that APT performed on behalf of Cellco Partnership dba Verizon Wireless ("Verizon") for a facility identified at that time as "Ridgefield 2". Comments were received by the NFIP State Coordinator's office on January 19, 2016 via email and then in February 2016 Verizon Wireless decided to remove the project from its build program at that time, suspending the NFIP consultation. APT has reviewed the January 19th comments and incorporated them into the consultation request contained herein.

Project and Site Description

The subject property consists of an approximately 1.8-acre parcel developed with a commercial office building identified as 845 Ethan Allen Highway in Ridgefield, Connecticut. One wetland, identified as Wetland 1, was identified on the subject property in proximity to the existing and proposed wireless telecommunications facility, separated by an existing gravel access drive. Wetland 1 consists of a complex of hillside seep wetlands draining to the Norwalk River, bordering floodplain wetlands, and backwater wetlands to the riverine resource. Although close to Wetland 1 (±25 feet from the nearest wetland boundary), the proposed Replacement Facility would not result in permanent direct wetland impacts.

Access to the subject property and Replacement Facility is currently provided by an existing gravel driveway that serves the office building and existing unipole wireless communications facility. The surrounding land-use consists of commercial properties to the north, east and south and residences to the west. The subject property is surrounded by commercial, agricultural and open space uses.

Please refer to Site Location Map, Site Schematic, Wetland Inspection Map, and FEMA FIRMette Map provided in Attachment A - Figures. Photographs of the subject property and existing wireless communications facility are also enclosed in Attachment B – Photo Documentation.

The subject property currently contains a 100-foot tall flagpole style wireless communications tower ("unipole") and associated equipment compound located along the north side of an existing office building that occupies the property. The unipole tower is not capable of supporting new wireless communications antenna and supporting equipment, requiring upgrading to a standard monopole design. Crown Castle proposes to construct the Replacement Facility (consisting of a self-supporting, monopole tower) in the same general location as the existing tower. The Replacement Facility tower would rise to a total height of 110 feet above ground level to accommodate Verizon's new antenna array. Antennas owned and operated by others on the existing tower would be swapped over to the Replacement Facility. The existing fenced compound surrounding the flagpole tower requires a minor expansion to accommodate the proposed Replacement Facility and Verizon's equipment, which will be installed on an elevated steel platform.

Verizon will install antennas to be mounted at a centerline elevation of 107 feet ("AGL") on a 110 foot proposed steel monopole tower which will replace the existing 100 foot unipole tower. Verizon will install its equipment that includes cabinets, a propane fueled emergency backup power generator, and propane tank on an elevated steel platform. Power and telco utilities shall be routed underground to the proposed telecommunications equipment shelter from an existing utility backboard located with the existing fenced compound. All improvements developed as a part of this proposal will occur within the limits of the existing lease area. Crown Castle's project site plans prepared by APT, dated 10/21/22 are provided in Attachment C.

NFIP Floodplain Impact Analysis

The Replacement Facility is located within a Special Flood Hazard Zone AE with a 100-year Base Flood Elevation ("BFE") of 491 feet (NAVD 1988 datum; NGVD 1929 conversion = 492.0 feet) based on information from FIRM Panel 228, Map 09001C0228F, Effective Date June 18, 2010 and Flood Insurance Study, Volume 5 of 6, Fairfield County, Connecticut, Effective Date October 16, 2013. The BFE of 492.0 feet was used for evaluating the Replacement Facility's floodplain impacts and for calculating the total cubic yards of compensatory storage for proposed development located at and above this BFE. No work is proposed within the Norwalk River floodway. The proposed Replacement Facility is depicted on the FEMA FIRMette Map enclosed in Attachment B. A copy of the Norwalk River Flood Profile Panel 281P with the location of the Replacement Facility noted is provided in Attachment D.

A section of the existing facility retaining wall will be removed and replaced to support the proposed Replacement Facility's compound expansion. The proposed retaining wall will be designed in accordance with the CT Building Code and to withstand the subject flood event. A compensatory flood storage area will be installed along the western property line of the subject property as a means to offset the displaced volume from the proposed retaining wall, compound fill and equipment platform pier foundations. The bottom of the steel for the proposed equipment platform is at elevation 494.0 feet, placing it 2 feet above the BFE of 492.0 feet. The grade around the tower foundation is 492.0 feet and above; therefore, the concrete foundation for the tower is not included in the displacement calculation.

The total floodplain storage volume loss has been calculated to be 23.4± cubic yards for the Replacement Facility compound (new retaining wall, associated fill, equipment platform pier foundations). A 59.7± cubic yard compensatory flood storage area is proposed along the west property boundary within an existing fill area that will provide unrestricted hydraulic access to the Norwalk River and adjoining floodplain wetlands. This will generally provide compensatory flood storage on an equal volume, equal elevation basis to the project's floodplain displacement. The result of these activities will increase the Norwalk River's flood storage capacity by 36.3± cubic yards. A copy of APT's Flood Zone Displacement letter summarizing the floodplain displacement calculations, dated November 18, 2022, is provided in Attachment D.

Conclusion

Based on the results of the floodplain impact analysis and the compensatory storage area as detailed herein, the Replacement Project will not result in an adverse effect to the hydraulic characteristics of the Norwalk River floodplain.

Thank you for your consideration of this NFIP compliance determination request. Please feel free to contact me with any questions or if additional information is required at (860) 552-2033 or dgustafson@allpointstech.com

Sincerely,
All-Points Technology Corp., P.C.

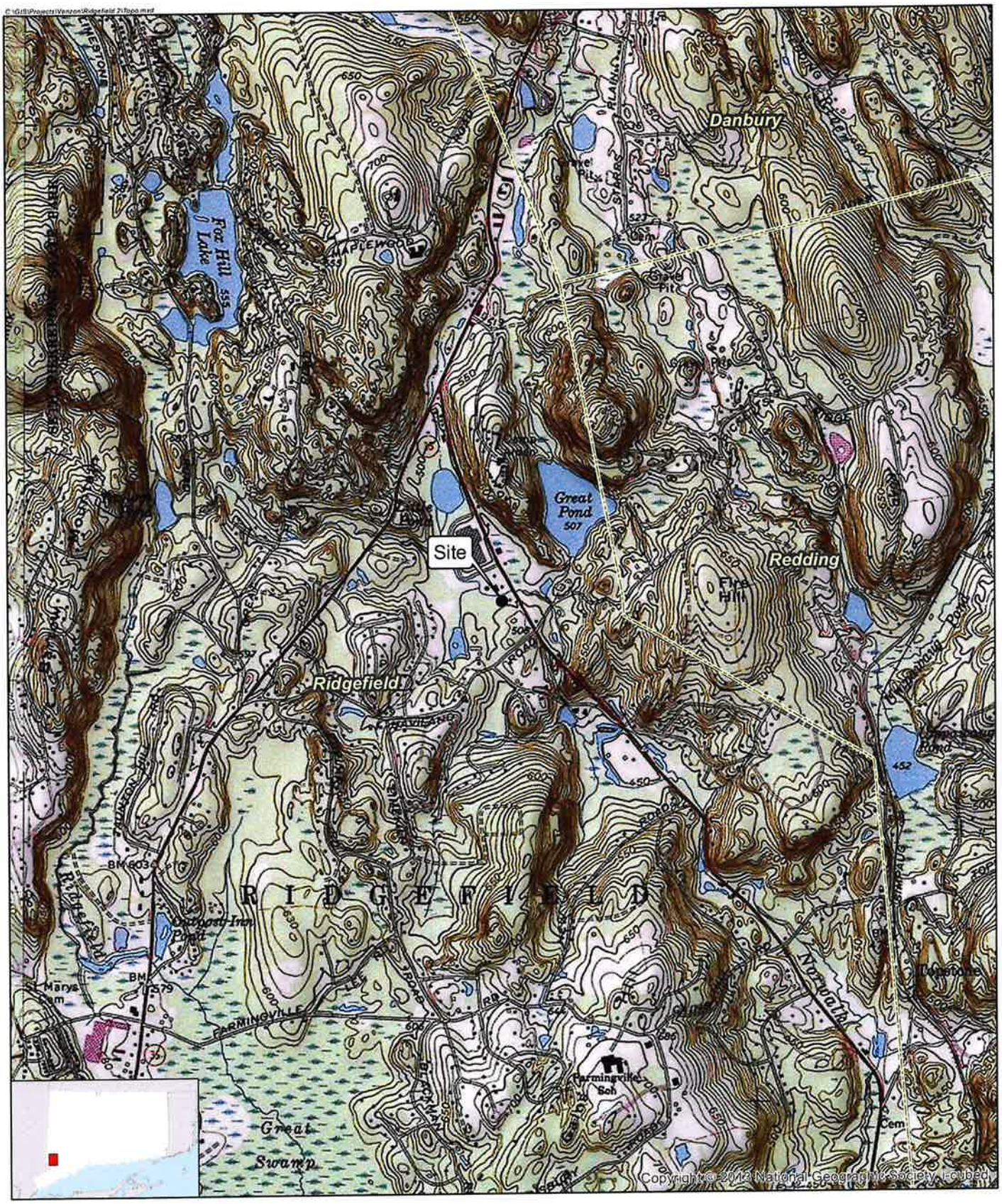
Dean Gustafson
Senior Environmental Scientist

Enclosures

cc: Sarah Brown, Crown Castle
Kenneth C. Baldwin, Robinson & Cole LLP
Robert Burns, APT

Attachment A
Figures

- Site Location Map
- Site Schematic
- Wetland Inspection Map
- FEMA FIRMette Map



Legend

- Site
- Municipal Boundary

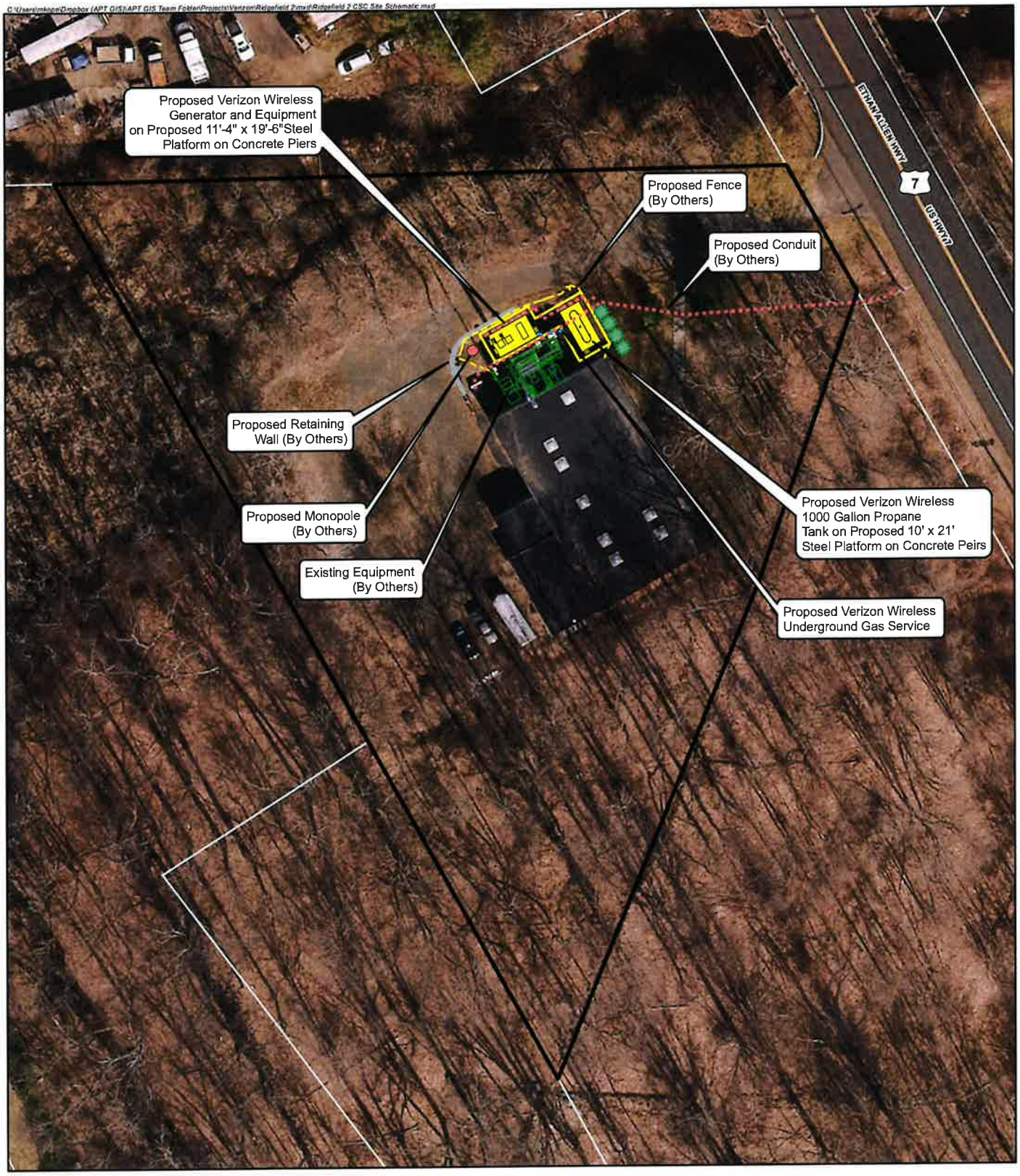
Site Location Map

Proposed Wireless
Telecommunications Facility
Redding/RT7
845 Ethan Allen Highway
Ridgefield, Connecticut

Map Notes:
Base Map Source: USGS 7.5 Minute Topographic Quadrangle Map, Bethel, CT (1984)
Map Scale: 1:24,000
Map Date: June 2015

1,000 500 0 1,000
Feet

ALL-POINTS TECHNOLOGY CORPORATION



Legend

- Subject Property
- Proposed Tree (By Others)
- Proposed Conduit (By Others)
- Proposed Fence (By Others)
- Proposed Verizon Wireless Gas Service
- Proposed Retaining Wall (By Others)
- Proposed Monopole (By Others)
- Proposed Verizon Wireless Equipment
- Existing Equipment (By Others)
- Approximate Parcel Boundary

Site Schematic

Proposed Wireless
Telecommunications Facility
Redding/RT7
845 Ethan Allen Highway
Ridgefield, Connecticut

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Feet

Map Notes:
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Map Scale: 1 Inch = 60 feet
Map Date: September 2022

ALL-POINTS TECHNOLOGY CORPORATION

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Map Notes:
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Wetland Inspection Map

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Redding/RTE 7
845 Ethan Allen Highway
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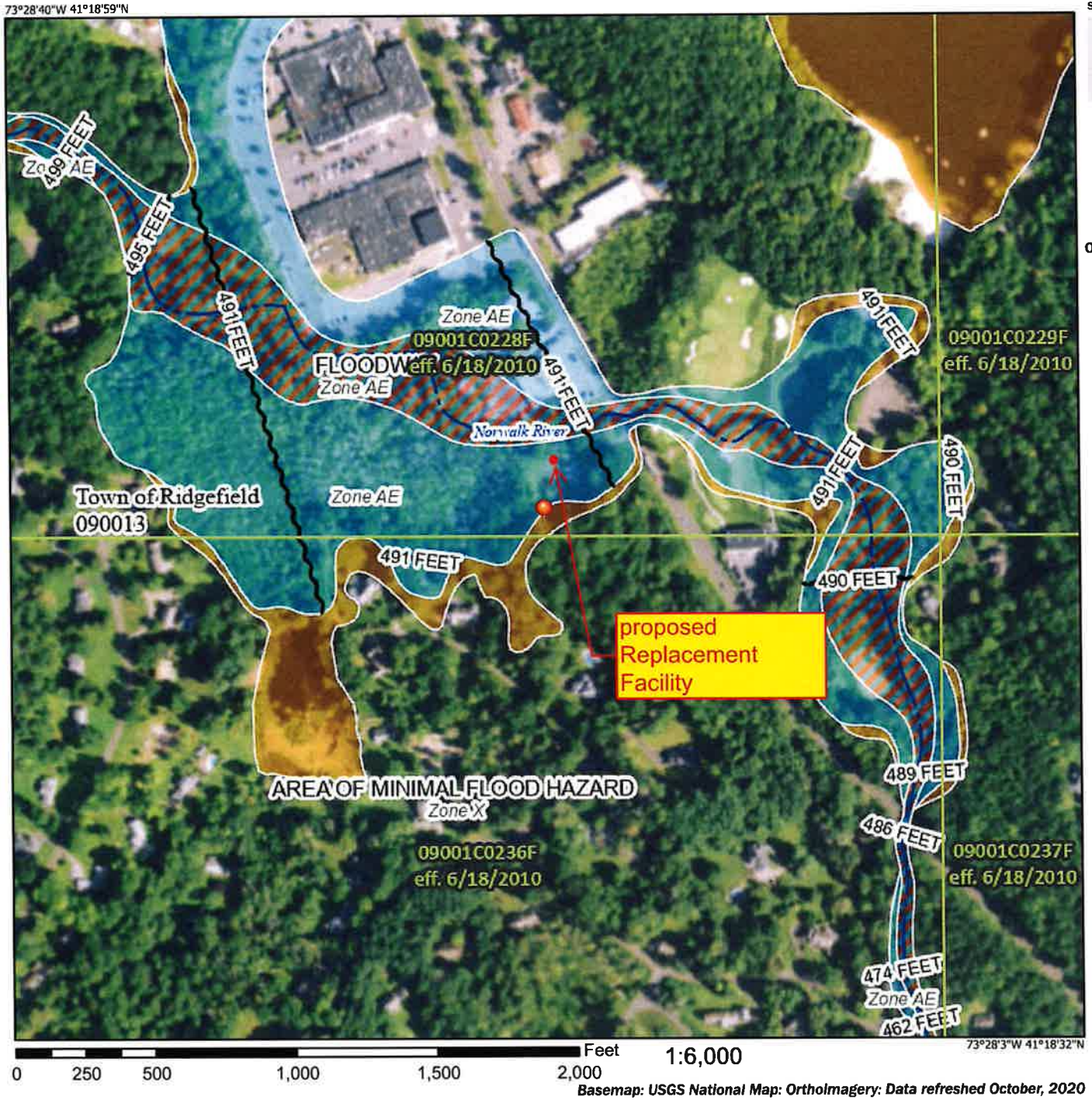
CROWN CASTLE

ALL-POINTS TECHNOLOGY CORPORATION

National Flood Hazard Layer FIRMette

FEMA



Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

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SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

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Attachment B
Photo Documentation

ALL-POINTS
TECHNOLOGY CORPORATION

PHOTO DOCUMENTATION
Crown Castle Redding/RT7
845 Ethan Allen Highway, Ridgefield, CT
Photos taken on June 30, 2022

Photo 1: View of existing wireless telecommunications facility looking south.

Photo 2: View of existing wireless telecommunications facility looking west.

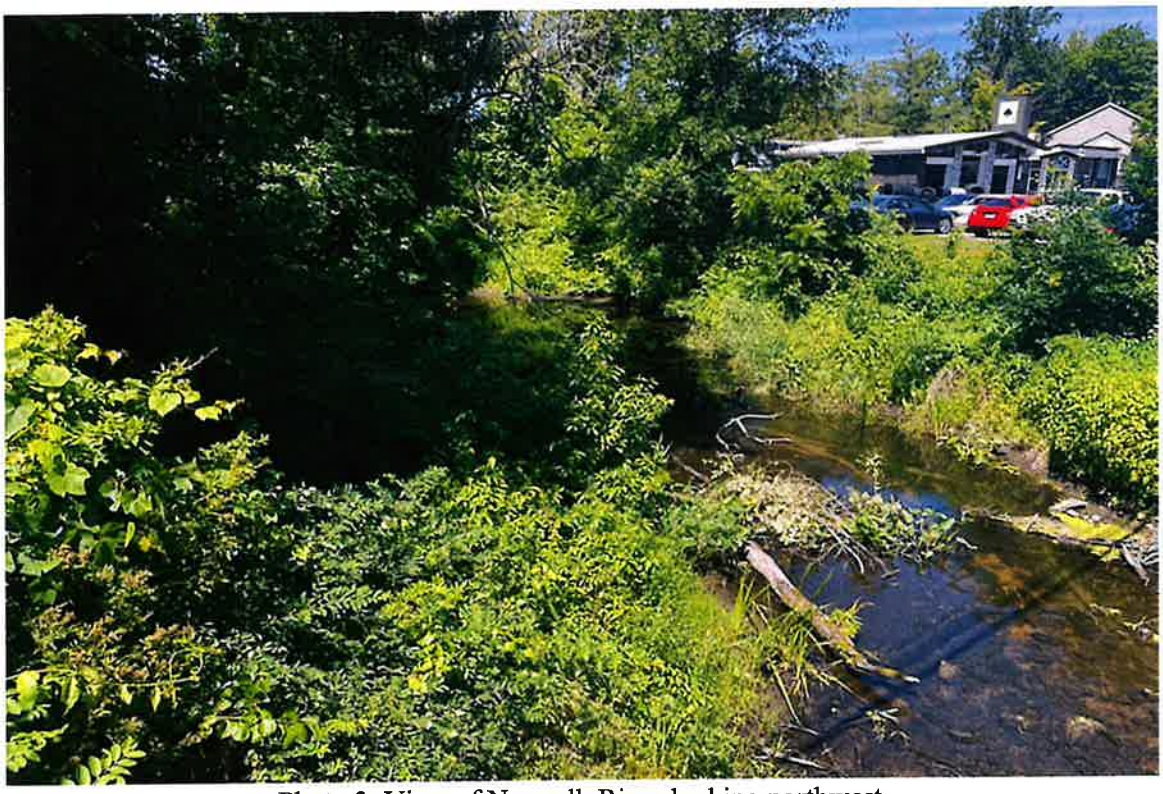


Photo 3: View of Norwalk River looking northwest.

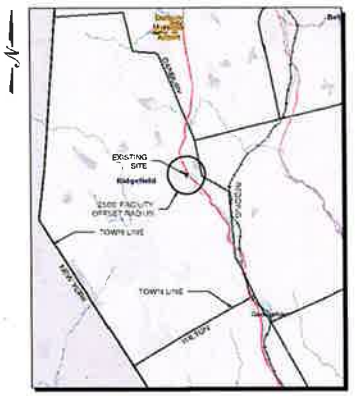
Photo 4: View of Wetland 1 near west property boundary looking northwest.

Attachment C
Project Site Plans

CROWN CASTLE

2000 CORPORATE DRIVE
CANONSBURG, PA 15317

REDDING/ RT7
845 ETHAN ALLEN HIGHWAY
RIDGEFIELD, CT 06877



MUNICIPAL NOTIFICATION LIMIT MAP

LOCATION MAP

LIST OF DRAWINGS

SITE INFORMATION

PROJECT LOCATION	845 ETHAN ALLEN HIGHWAY RIDGEFIELD, CT 06877
PROJECT DESCRIPTION	NEW ANTENNAS & EQUIPMENT ON NEW ' 0"- AGL MONOPOLE & NEW GROUND EQUIPMENT WITHIN AN EXIST EXPANDED FENCED COMPOUND
PROJECT DEVELOPER	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA '53"7
COUNTY	FAIRFIELD
MAP LOT ZONE	C'0 '5 'B 2'
LATITUDE LONGITUDE ELEVATION	4'' "8' 46 9783' N 73 28 20 7094" W 49" 5'- AMSL
PROPERTY OWNER	845 LLC '07 LORDS HWY WESTON, CT 06883
APPLICANT	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA '53" 7
LEGAL	ROBINSON & COLE, LLP KENNETH C. BALDWIN 280 TRUMBULL STREET HARTFORD, CT 05'03
SITE ENGINEER	ALL-POINTS TECHNOLOGY CORP 567 VAUXHALL STREET EXTENSION SUITE 311 WATERFORD, CT 06385 (860) 663 '697

CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317

Cellco Partnership d/b/a
verizon WIRELESS

ALL-POINTS TECHNOLOGY CORPORATION

PERMITTING DOCUMENTS

NO.	DATE	REVISION
0	10/21/22	FOR REVIEW RCB
1		
2		
3		
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5		
6		

DESIGN PROFESSIONALS OF RECORD

PROF ROBERT C BURNS P E
COMP ALL POINTS TECHNOLOGY CORPORATION, P C
ADD 567 VAUXHALL STREET EXT SUITE 311 WATERFORD, CT 06385

DEVELOPER: CROWN CASTLE
ADDRESS 2000 CORPORATE DRIVE CANONSBURG, PA 15317

REDDING/ RT7

SITE ADDRESS: 845 ETHAN ALLEN HIGHWAY RIDGEFIELD, CT 06877

APT FILING NUMBER CT1051380

DRAWN BY: CSH
DATE: 10/21/22
CHECKED BY: RCB

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

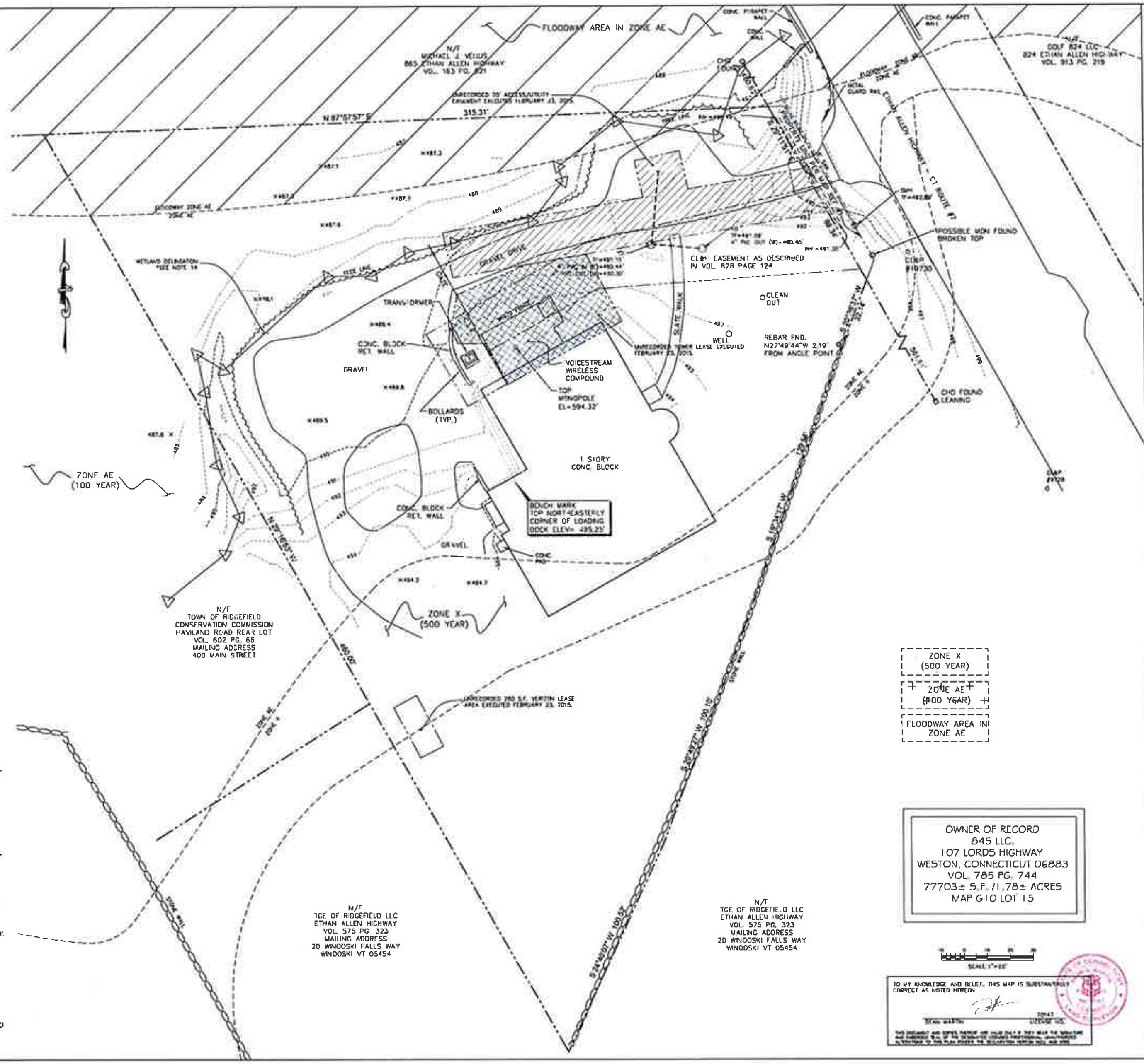
SITE LOCATION MAP (NOT TO SCALE)

MAP NOTES:

1. THIS MAP AND SURVEY HAVE BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND "THE MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS ON SEPTEMBER 26, 1996.
2. THE TYPE OF SURVEY PERFORMED AND THE MAPPED FEATURES DEPICTED HEREON ARE IN ACCORDANCE WITH THE REQUIREMENTS OF A PROPERTY AND TOPOGRAPHIC SURVEY. THE PROPERTY DEPICTED HEREON IS A RESURVEY OF MAP REFERENCE "A". THE TOPOGRAPHIC FEATURES DEPICTED HEREON ARE INTENDED TO DEPICT THE LOCATION OF CELLULAR EQUIPMENT LOCATED ON THE SUBJECT PARCEL AND TOPOGRAPHIC FEATURES WITH A 100' RADIUS OF SAID CELLULAR EQUIPMENT.
3. THE HORIZONTAL BASELINE CONFORMS TO A CLASS A-2 ACCURACY. THE VERTICAL BASELINE CONFORMS TO A CLASS V-2 ACCURACY. THE TOPOGRAPHIC FEATURES CONFORM TO A CLASS T-2 ACCURACY.
4. THE NORTH ARROW AND BEARINGS ARE BASED UPON THE CONNECTICUT STATE COORDINATE SYSTEM N.A.D. 1983 (2011). THE ELEVATIONS ARE BASED UPON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).
5. UNDERGROUND UTILITIES, STRUCTURES AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE COMPANIES OR GOVERNMENTAL AGENCIES AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE WHICH IS UNKNOWN TO MARTIN SURVEYING ASSOCIATES, LLC. ALL CONTRACTORS ARE REQUIRED TO CONTACT CALL-BEFORE-YOU-DIG AT 1-800-922-4455 FOR LOCATION AND OR STAKEOUT OF ANY UTILITY PRIOR TO ANY EXCAVATION.
6. PARCEL IS IN ZONE AE AND X ON THE FLOOD INSURANCE RATE MAP, FAIRFIELD COUNTY, CONNECTICUT, PANEL 228 OF 626, COMMUNITY PANEL NUMBER 09001C0228F, EFFECTIVE DATE JUNE 18, 2010.
7. PARCEL SUBJECT TO A LEASE AS DESCRIBED IN VOLUME 1012 PAGE 743.
8. PARCEL IS SUBJECT TO SUBORDINATION, NON-DISTURBANCE AND ATTORNMENT AGREEMENT AS DESCRIBED IN VOLUME 1014 PAGE 290.
9. PARCEL IS SUBJECT TO MEMORANDUM AND RESTATED STANDARD LEASE AGREEMENT AS DESCRIBED IN VOLUME 1014 PAGE 322.
10. PARCEL IS SUBJECT TO A CL&P EASEMENT AS DESCRIBED IN VOLUME 628 PAGE 124.
11. PARCEL IS SUBJECT TO A CL&P RIGHT OF WAY AS DESCRIBED IN VOLUME 100 PAGE 18.
12. PARCEL IS SUBJECT TO, IF ANY, RIGHTS TO LITCHFIELD ELECTRIC LIGHT AND POWER COMPANY AS DESCRIBED IN VOLUME 58 PAGE 385 & VOLUME 53 PAGE 583.
13. PARCEL IS PARCEL, IF ANY, RIGHTS TO THE AMERICAN TELEPHONE AND TELEGRAPH AS DESCRIBED IN VOLUME 38 PAGE 59.
14. THE WETLANDS DEPICTED HEREON HAVE BEEN PROVIDED BY ALL POINTS TECHNOLOGY CORPORATION AND NOTED TO HAVE BEEN DELINEATED ON MARCH 28, 2018.

REFERENCE IS MADE TO THE FOLLOWING MAPS

1. "MAP PREPARED FOR ARMA TOOL &DIE COMPANY, RIDGEFIELD, CONNECTICUT." SCALE: 1"=40', DATED DECEMBER 13, 1974, BY OFFICE OF MOODY & O'BRIEN.
2. "GENERAL LOCATION SURVEY PREPARED FOR VOICESTREAM WIRELESS SITE CT-11-112H 845 ETHAN ALLEN HIGHWAY RIDGEFIELD, CONNECTICUT." SCALE: 1"=40' DATED OCTOBER 30, 2001, BY DESIGN PROFESSIONALS, INC.
3. "PLAN SHOWING EASEMENT GRANTED TO CL&P BY ARMA TOOL AND DIE CO. VOICESTREAM WIRELESS SITE ID: CT-11-112H 845 ETHAN ALLEN HIGHWAY RIDGEFIELD, CT" SCALE: 1"=20', DATED MAY 22, 2001, BY CARTER BURGESS.
4. PROPERTY SURVEY MAP PREPARED FOR THE ESTATE OF LUCILLE GAETA FIRST UNION BANK OF CONNECTICUT, ADMIN. HAVILAND ROAD RIDGEFIELD, CONNECTICUT." SCALE: 1"=60', DATED JANUARY 27, 1997, BY KRISTOFERSEN LAND SURVEYING.
5. "MAP PREPARED FOR GLEN ACRES RIDGEFIELD, CONNECTICUT R-1 RESIDENTIAL ZONE TOTAL AREA=38.397ACRES." SCALE: 1"=100', DATED April 15, 1983, BY HENRCI ASSOCIATES.
6. "FIRST DIVISION MAP PREPARED FOR TGE OF RIDGEFIELD, LLC RIDGEFIELD, CONNECTICUT R-AA RESIDENCE & B-2 ZONE AREA = 4.645 ACRES." SCALE: 1"=50', DATED DECEMBER 29, 1998, BY RKW LAND SURVEYING.
7. "SUBDIVISION MAP PREPARED FOR TGE OF RIDGEFIELD, LLC RIDGEFIELD, CONNECTICUT R-AA RESIDENCE ZONE AREA = 18.159 ACRES." SCALE: 1"=50', DATED MARCH 5, 1999, BY RKW LAND SURVEYING.
8. "MAP PREPARED FOR MICHAEL VENUS RIDGEFIELD, CONNECTICUT TOTAL AREA=2.381 ACRES." SCALE: 1"=40', DATED JUNE 27, 1974, BY ROBERT M. HENRICI.
9. "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP TOWN OF RIDGEFIELD NORWALK-DANBURY ROAD FROM THE RIDGEFIELD-DANBURY ROAD SOUTHERLY ABOUT 4,100 FEET ROUTE U.S. 7." SHEET 1 OF 2, SCALE: 1"=40', DATED DECEMBER 30, 1930 AND REVISED TO SEPTEMBER 6, 1967.



LEGEND:

IRON PIN (FOUND)	SIGN
Rebar/Drill Hole (To Be Set)	POST
MONUMENT (FOUND)	LIGHT POLE
MANHOLE	GUY ANCHOR
DRAINAGE MANHOLE	UTILITY POLE
SANITARY MANHOLE	WATER GATE
ELEC. MANHOLE	WATER METER
TELE. MANHOLE	GAS VALVE
"C" CATCH BASIN	GAS METER
"C-L" CATCH BASIN	TRANSFORMER
DECIDUOUS TREES	ELEC. METER
EVERGREEN TREES	MAIL BOX
SHRUB/BUSH	HAND HOLE
FLAG POLE	BUTTON BOX
TRAFFIC CONTROL BOX	A.C. UNIT
	TRAFFIC LIGHT POLE

BOUNDARY LINE
GUARD RAIL
UNDERGROUND PIPING (San.,Stm.)
U/G GAS LINE
U/G ELEC. LINE
WATER LINE
OVERHEAD UTILITIES
U/G TELE. LINE
CHAIN LINK FENCE
TREE LINE

martin
Surveying Associates, LLC
201 CHRISTIAN LANE BERLIN, CT 06037
860-832-9328 860-357-4604 (FAX)

REVISIONS

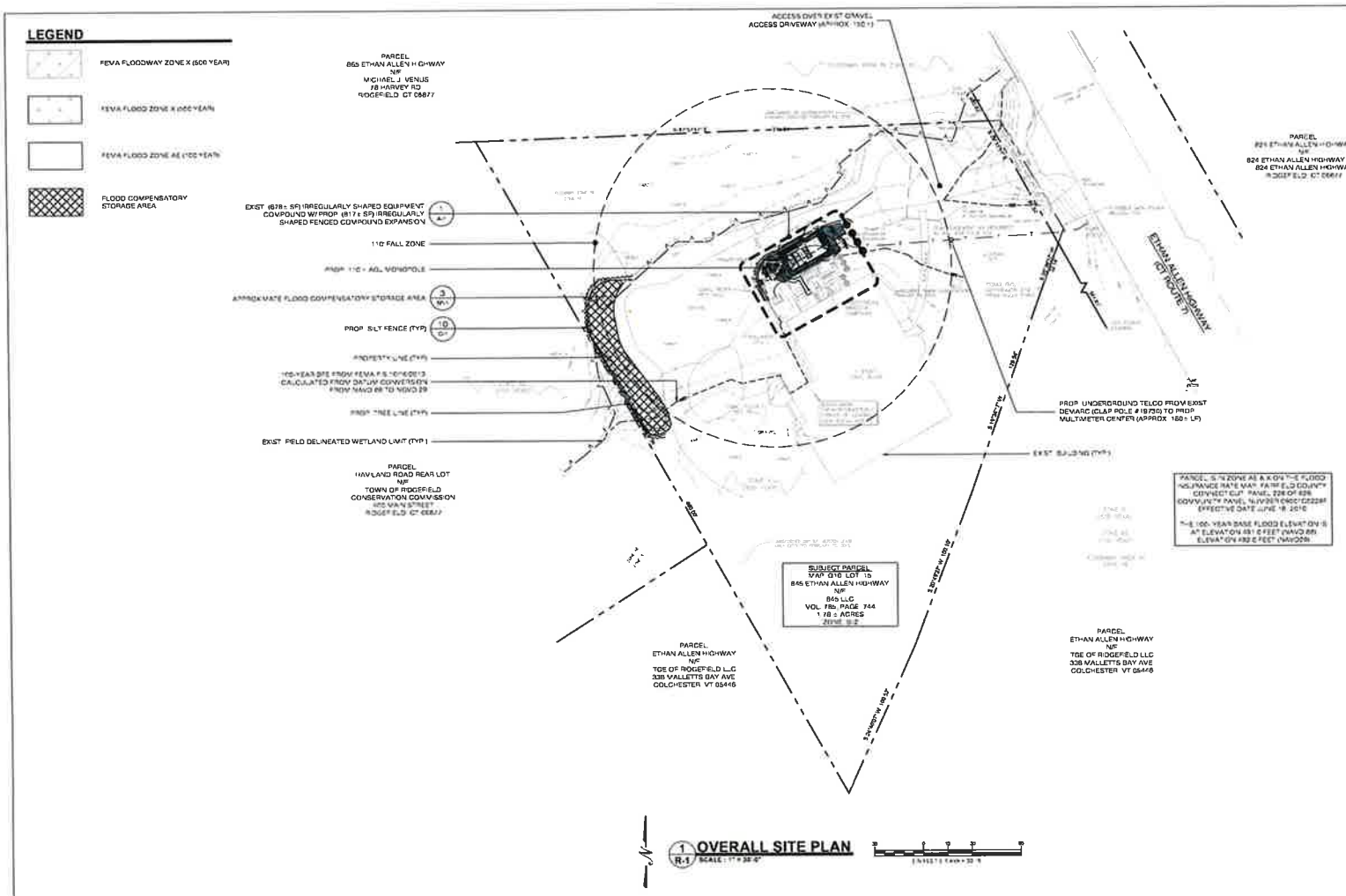
TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

STAN MARTIN — LICENSE NO.

PROPERTY & TOPOGRAPHIC SURVEY
LAND OF 845 LLC.
ASSESSOR MAP G10 LOT 15
845 ETHAN ALLEN HIGHWAY
RIDGEFIELD, CT

MSA PROJECT NO.:
SCALE: 1"=20'
DATE:
DRAWN BY:
CHECKED BY:
SHEET:

1 OF 1



BASE MAPPING FROM

1. PLAN ENTITLED "PROPERTY & TOPOGRAPHIC SURVEY, LAND OF 845 LLC, ASSESSOR MAP 010, LOT 15, 845 ETHAN ALLEN HIGHWAY, RIDGEFIELD, CONNECTICUT" PREPARED BY VANTAGE SURVEY AND ASSOCIATES, LLC, 148 NORTH ROAD, KENSINGTON, DATED 3/1/2018
2. FIELD MEASUREMENTS TAKEN BY ALL-POINTS TECHNOLOGY CORPORATION ON 08-22-2022

CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317

Cellco Partnership d/b/a
verizon WIRELESS
29 ALEXANDER DRIVE
WALLINGFORD, CT 06492

ALL-POINTS TECHNOLOGY CORPORATION
567 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385 PH: (860) 663-1697
WWW.ALL-POINTS-TECH.COM FAX: (860) 663-1935

PERMITTING DOCUMENTS

NO.	DATE	REVISION
0	10/31/22	FOR REVIEW: RCB
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DESIGN PROFESSIONALS OF RECORD

PROF: ROBERT C. BURNS, P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 567 VAUXHALL STREET EXT. SUITE 311 WATERFORD, CT 06385

DEVELOPER: CROWN CASTLE
ADDRESS: 2000 CORPORATE DRIVE CANONSBURG, PA 15317

REDDING/ RT7

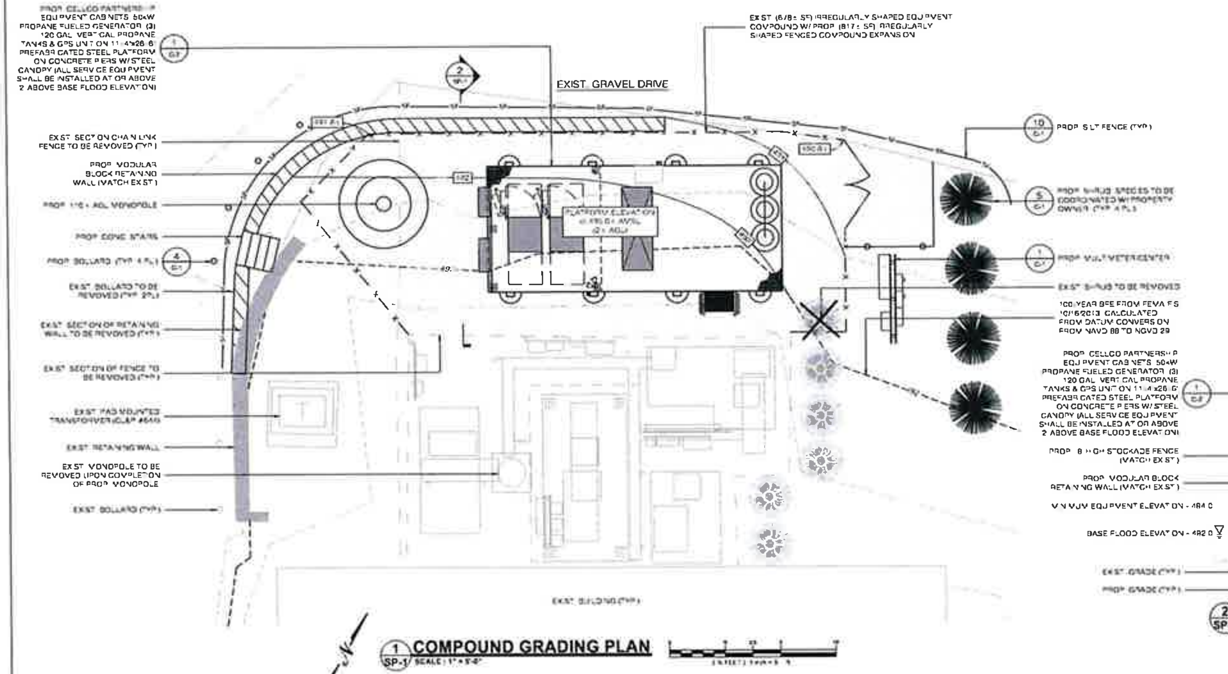
SITE ADDRESS: 845 ETHAN ALLEN HIGHWAY, RIDGEFIELD, CT 06877

APT FILING NUMBER: ST1231330

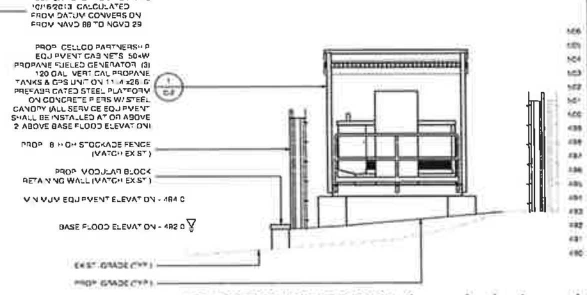
DRAWN BY: CEH
CHECKED BY: RCB
DATE: 10/31/22

SHEET TITLE:
ABUTTERS MAP

SHEET NUMBER:
R-1

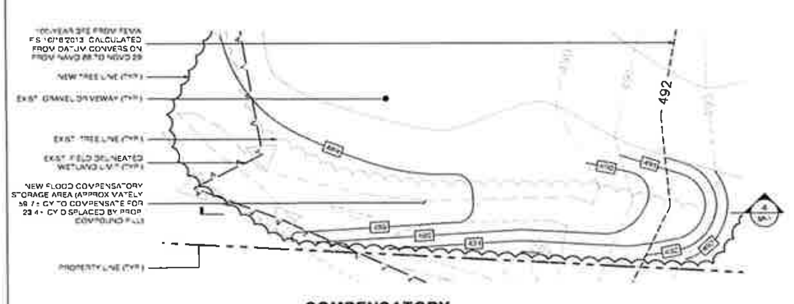


1 COMPOUND GRADING PLAN
SP-1 SCALE: 1" = 5'-0"

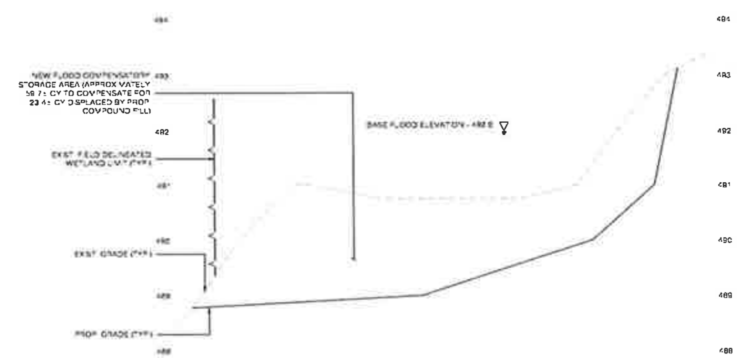


2 COMPOUND SECTION
SP-1 SCALE: 3/8" = 1'-0"

FLOOD STORAGE CUT & FILL TABLE		
ELEVATION (FEET)	INCREMENTAL VOLUME OF FILL (CY)	INCREMENTAL VOLUME OF CUT (CY)
488		
	0	0
489		
	0	30.8
490		
	13.3	17.0
491		
	10.1	8.8
[illegible]		
	0	2.6
492		
TOTAL	23.4	59.2



3 COMPENSATORY FLOOD STORAGE AREA
SP-1 SCALE: 1" = 10'-0"



4 COMPENSATORY FLOOD STORAGE SECTION
SP-1 VERTICAL SCALE: 1" = 1'-0"
HORIZONTAL SCALE: 1" = 10'-0"

CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317

Cellco Partnership d/b/a
verizon WIRELESS

ALL-POINTS TECHNOLOGY CORPORATION

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DESIGN PROFESSIONALS OF RECORD
PROF.: ROBERT C. BURNS, P.E.
COMP.: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD.: 567 VAUXHALL STREET EXT., SUITE 311 WATERFORD, CT 06385

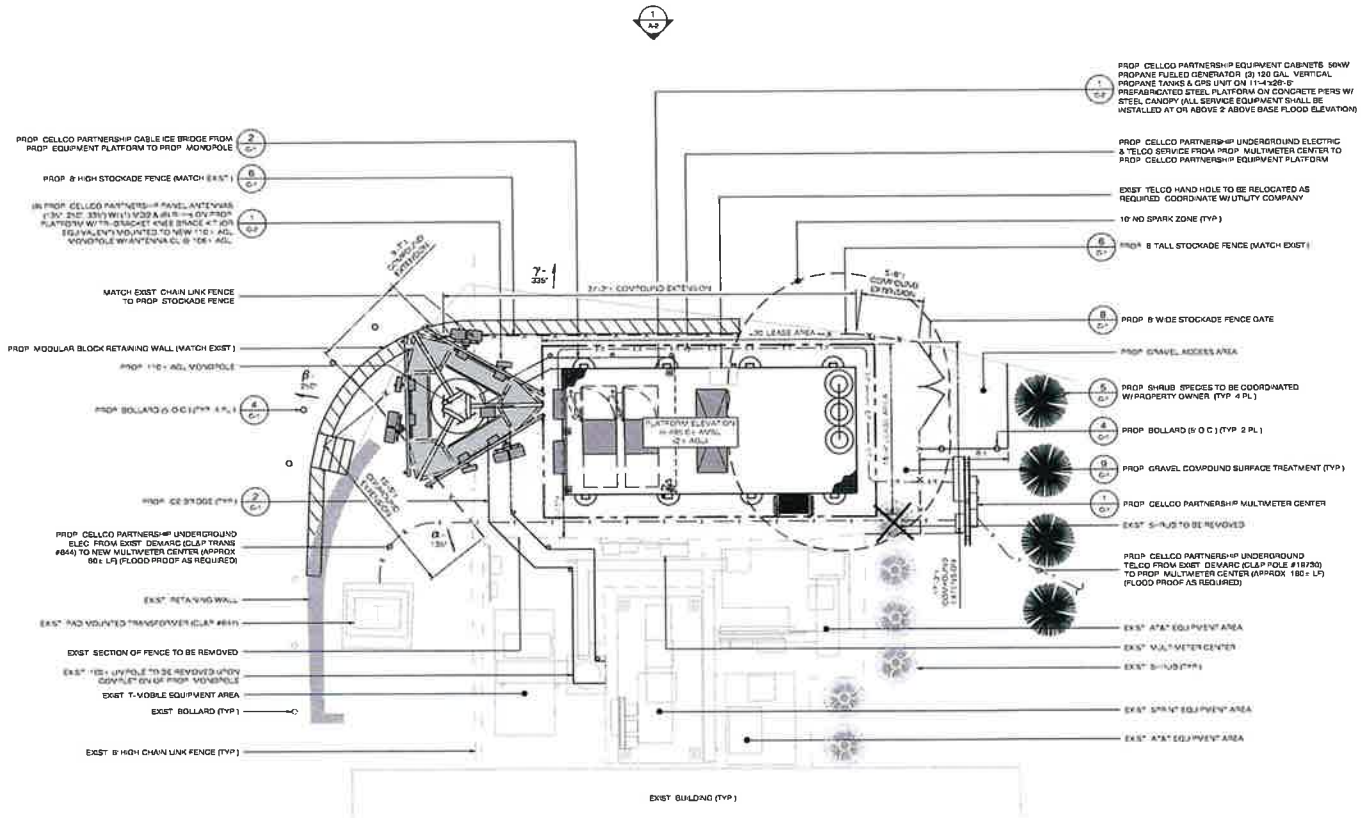
DEVELOPER: CROWN CASTLE
ADDRESS: 2000 CORPORATE DRIVE CANONSBURG, PA 15317

REDDING/ RT7

SITE ADDRESS: 565 ETHAN ALLEN HIGHWAY RIDGEFIELD, CT 06877
APT FILING NUMBER: CT1091330
DRAWN BY: CSH
DATE: 10/21/22 CHECKED BY: RCB

SHEET TITLE:
COMPENSATORY FLOOD STORAGE PLANS & SECTIONS

SHEET NUMBER:
SP-1



1 A-1 **COMPOUND PLAN**
SCALE: 1"=5'-0"

CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317

Cellco Partnership d/b/a
verizon WIRELESS

ALL-POINTS TECHNOLOGY CORPORATION

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DESIGN PROFESSIONAL'S OF RECORD

PREP: ROBERT C. BURNS, P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 567 VAUXHALL STREET EXT. SUITE 311 WATERFORD, CT 06385

DEVELOPER: CROWN CASTLE
ADDRESS: 2000 CORPORATE DRIVE CANONSBURG, PA 15317

REDDINGFRT7

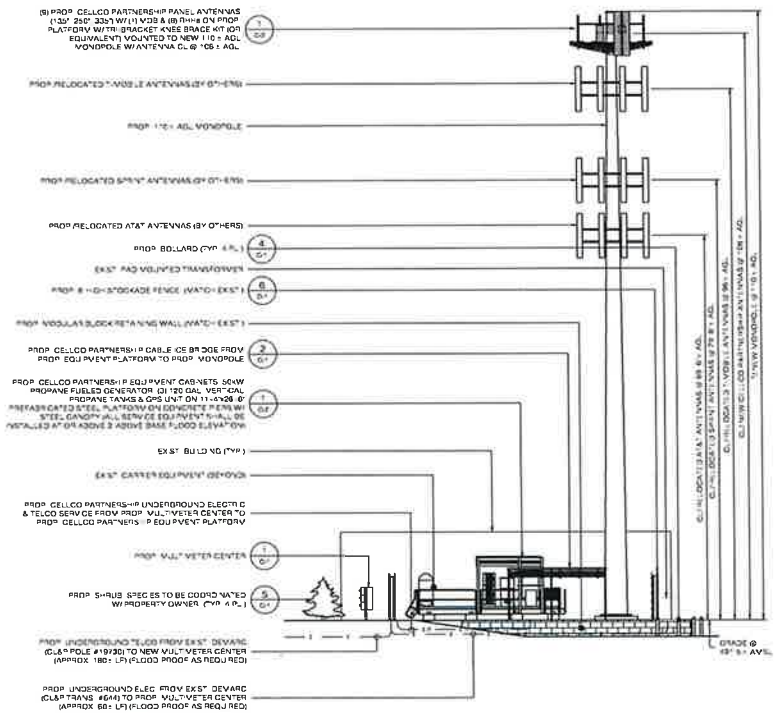
SITE ADDRESS: 845 ETHAN ALLEN HIGHWAY RIDGEFIELD, CT 06877

APT FILING NUMBER: CT1251306

DRAWN BY: CSH
DATE: 10/21/22
CHECKED BY: RCB

SHEET TITLE:
COMPOUND PLAN

SHEET NUMBER
A-1



1 / **A-2** **NORTH ELEVATION**
SCALE: 1" = 12'-0"

NOTE:
BASE FLOOD ELEVATION = 482 FT AMSL (NGVD 29) PER THE 100-YEAR FEMA BASE FLOOD ELEVATION (B.F.E.)
DESIGN FLOOD ELEVATION = 484 FT. OR B.F.E. + 2 FT.
ELECTRICAL DATUM PLANE = 484 FT.
ALL ELECTRICAL EQUIPMENT AND CONNECTIONS SHALL BE LOCATED AT OR ABOVE THE ELECTRICAL DATUM PLANE. ALL CABLE WIRE & CONDUIT MAY BE INSTALLED BELOW ELECTRICAL DATUM PLANE AS LONG AS SUITABLE & LISTED FOR A WET LOCATION.

CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317

Cellco Partnership d/b/a
verizon WIRELESS

ALL-POINTS TECHNOLOGY CORPORATION
567 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385 PHONE: (860)-663-1697
WWW.ALLPOINTSTECH.COM FAX: (860)-663-0935

PERMITTING DOCUMENTS

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DESIGN PROFESSIONALS OF RECORD
PROF: ROBERT C. BURNS P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 567 VAUXHALL STREET EXT. SUITE 311 WATERFORD, CT 06385

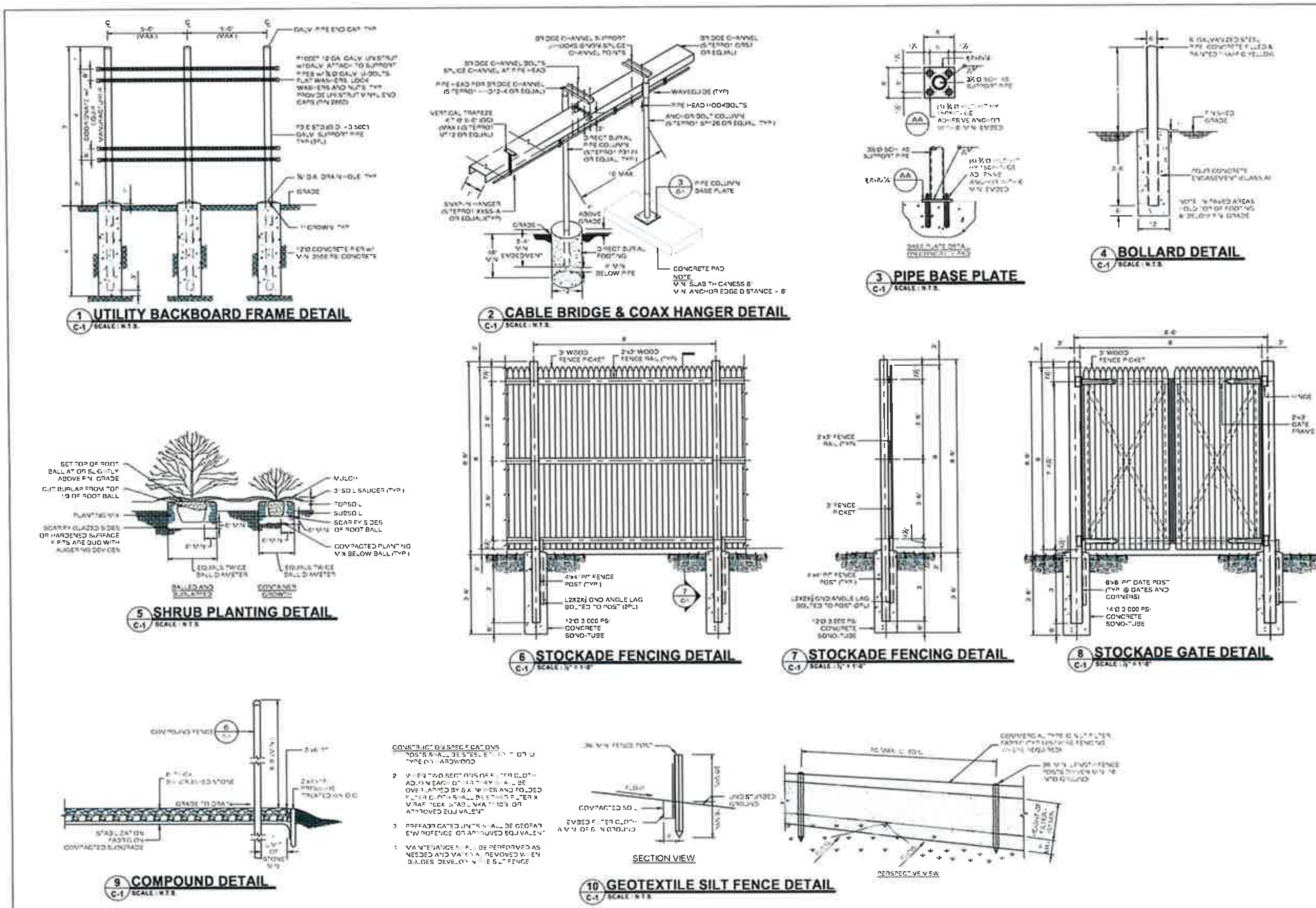
DEVELOPER: CROWN CASTLE
ADDRESS: 2000 CORPORATE DRIVE CANONSBURG, PA 15317

REDDING/ RT7

SITE ADDRESS: 849 ETHAN ALLEN HIGHWAY RIDGEFIELD, CT 06877
APT FILING NUMBER: CT1051300
DRAWN BY: CSH
DATE: 10/21/22 CHECKED BY: RCB

SHEET TITLE:
TOWER ELEVATION

SHEET NUMBER:
A-2



CROWN CASTLE
2000 CORPORATE DRIVE
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DESIGN PROFESSIONALS OF RECORD
PROF: ROBERT C. BURNS P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 567 VAUXHALL STREET EXT. SUITE 311 WATERFORD, CT 06385

DEVELOPER: CROWN CASTLE
ADDRESS: 2000 CORPORATE DRIVE CANONSBURG, PA 15317

REDDING/ RT7

SITE ADDRESS: 843 ETHAN ALLEN HIGHWAY RIDGEFIELD, CT 06877

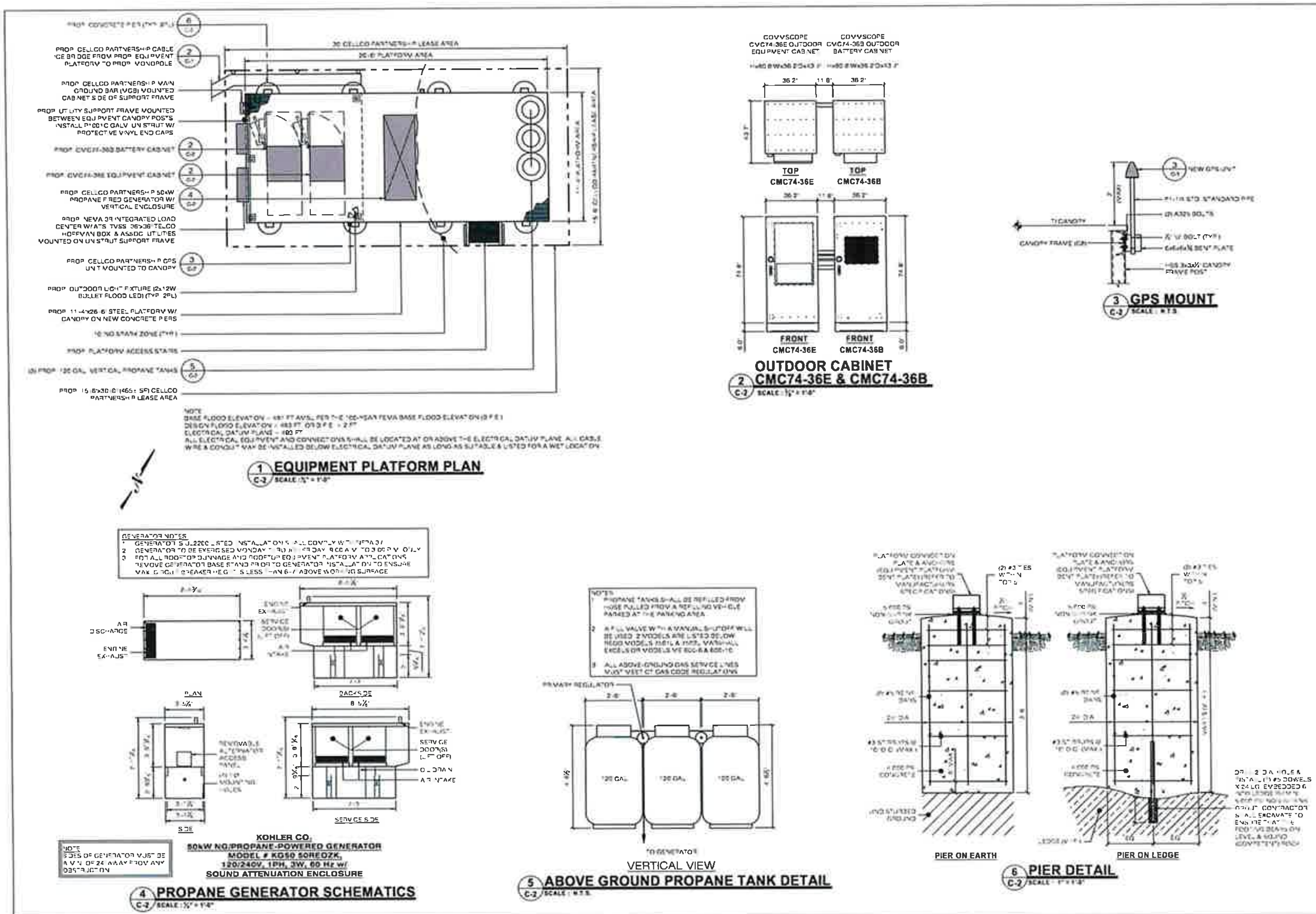
APT FILING NUMBER: CT1001300

DRAWN BY: CSH

DATE: 10/21/22 CHECKED BY: RCB

SHEET TITLE: SITE DETAILS

SHEET NUMBER: C-1



CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317

Cellco Partnership d/b/a
verizon
WIRELESS

ALL-POINTS TECHNOLOGY CORPORATION

PERMITTING DOCUMENTS		
NO	DATE	REVISION
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1		
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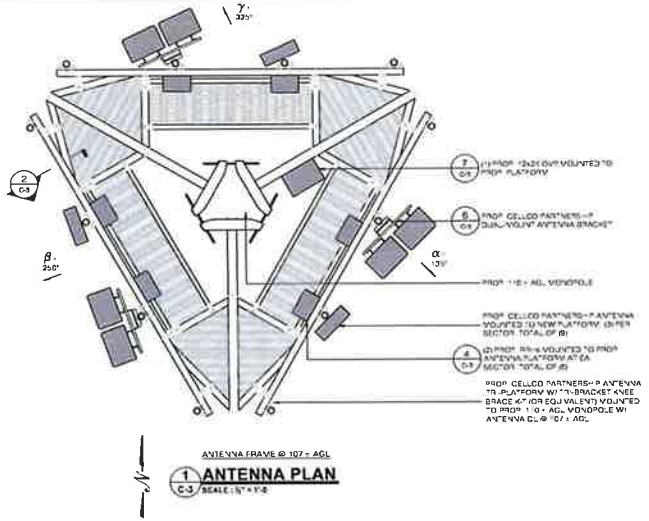
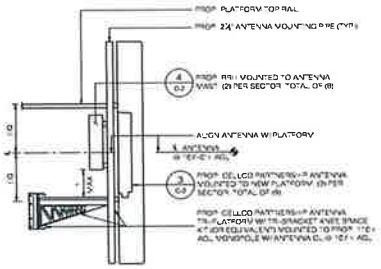
DESIGN PROFESSIONALS OF RECORD
PROF: ROBERT C. BURNS P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 567 VAUXHALL STREET EXT. SUITE 311 WATERFORD, CT 06385
DEVELOPER: CROWN CASTLE
ADDRESS: 2000 CORPORATE DRIVE CANONSBURG, PA 15317

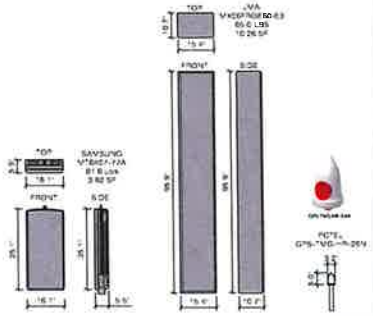
REDDING/ RT7
SITE ADDRESS: 845 ETHAN ALLEN HIGHWAY RIDGEFIELD, CT 06877
APT FILING NUMBER: CT1551230
DRAWN BY: CSH
DATE: 10/21/22
CHECKED BY: RCB
SHEET TITLE
VERIZON EQUIPMENT PLAN & DETAILS
SHEET NUMBER
C-2



1 C-3 ANTENNA PLAN
SCALE : 1/8" = 1'-0"



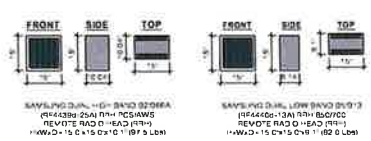
2 C-3 ANTENNA MOUNTING DETAIL
SCALE : 3/4" = 1'-0"



PANEL ANTENNAS

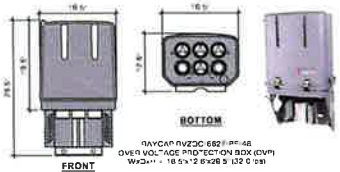
GPS UNITS

3 C-3 ANTENNA DETAILS
SCALE : 1/2" = 1'-0"



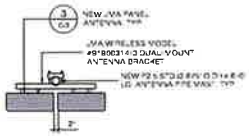
NOTE: WEIGHTS INCLUDE SOLAR SHIELD & MOUNTING BRACKET

4 C-3 RRH EQUIPMENT
SCALE : 1/2" = 1'-0"

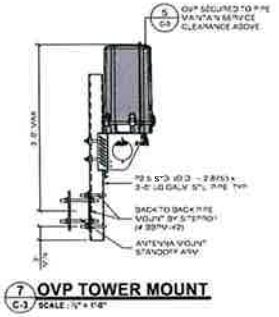


RAYCAP RVZDC-6627-PF-48
OVER VOLTAGE PROTECTION BOX (OVP)
WxDxH = 16.5"x12.6"x28.5" (32.0 Lbs)

5 C-3 MAIN DISTRIBUTION BOX (12 OVP)
SCALE : 1" = 1'-0"



6 C-3 DUAL-MOUNT BRACKET DETAIL
SCALE : N.T.S.



7 C-3 OVP TOWER MOUNT
SCALE : 3/4" = 1'-0"

CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317

Cellco Partnership d/b/a
verizon WIRELESS

ALL-POINTS TECHNOLOGY CORPORATION

PERMITTING DOCUMENTS

NO.	DATE	REVISION
0	10/31/23	FOR REVIEW: RCB
1		
2		
3		
4		
5		
6		

DESIGN PROFESSIONALS OF RECORD

PROF: ROBERT C. BURNS P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 567 VAUXHALL ST REET EXT. SUITE 311 WATERFORD, CT 06385

DEVELOPER: CROWN CASTLE
ADDRESS: 2000 CORPORATE DRIVE CANONSBURG, PA 15317

REDDING1 RT7

SITE: 843 ETHAN ALLEN HIGHWAY
ADDRESS: RIDGEFIELD, CT 06877

APT FILING NUMBER: 617051500

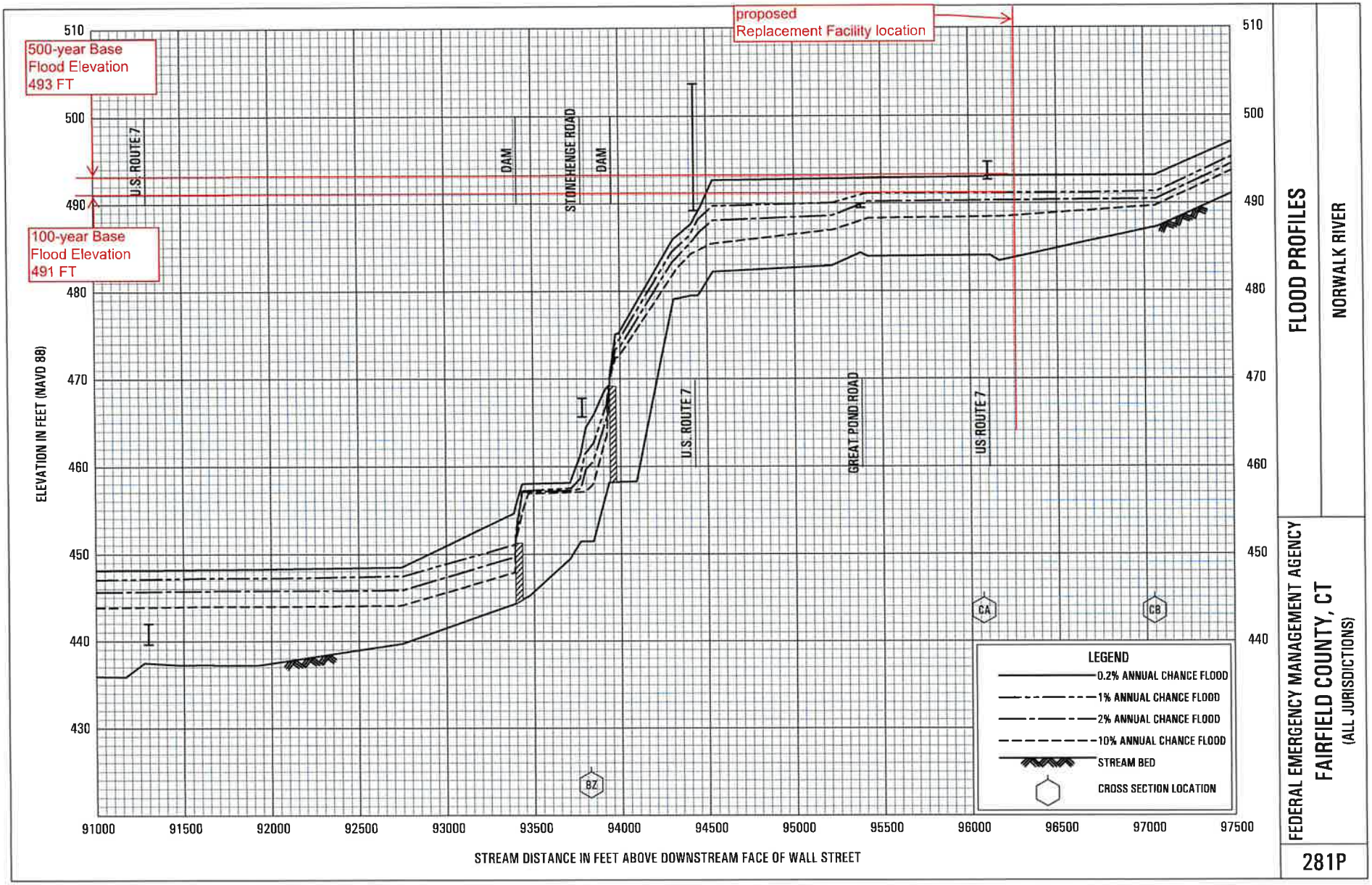
DRAWN BY: CSH
DATE: 10/31/23
CHECKED BY: RCB

SHEET TITLE:
VERIZON ANTENNA PLAN & DETAILS

SHEET NUMBER:
C-3

Attachment D
Floodplain Info

- Norwalk River Flood Profile Panel 281P
- APT's Flood Zone Displacement letter, dated November 18, 2022



FLOOD PROFILES

NORWALK RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

FAIRFIELD COUNTY, CT

(ALL JURISDICTIONS)

281P

ALL-POINTS
TECHNOLOGY CORPORATION

November 18, 2022

Ms. Sarah Brown
Sr. Business Analyst
Crown Castle
6325 Ardrey Road
Suite 600
Charlotte, NC 28277

Re: Flood Zone Displacement Statement
Wireless Communication Facility
Crown Castle Site Reference – Redding/Rt 7
845 Ethan Allen Highway
Ridgefield, CT

Dear Ms. Brown,

Crown Castle is proposing to replace an existing 100' AGL flagpole tower with a 110' AGL monopole tower while expanding the existing compound to facilitate Cellco Partnerships equipment platform.

The facility is located within FEMA Flood Zone AE, Base Flood Elevation (BFE) of 491.0 (NAVD 1988 datum, NGVD 1929 datum conversion = 492.0) based on information from FIRM Panel 228 of 626, Map 09001C0228F, Effective Date June 18, 2010.

A section of the existing facility retaining wall will be removed and replaced to support the proposed compound expansion. The proposed retaining wall will be designed in accordance with the CT Building Code and to withstand the subject flood event. A compensatory flood storage area shall be installed along the western property line of the subject parcel as a means to offset the displaced volume from the proposed retaining wall, compound fill and equipment platform pier foundations. The bottom of the steel for the proposed equipment platform is at elevation 494.0, placing it 2' above the BFE. The grade around the tower foundation is 492.0 and greater, therefore the concrete foundation for the tower is not included in the displacement calculation. The displaced and compensatory storage volumes are summarized below:

Facility Component	**Volume**
Retaining Wall	2.0 CY
Compound Fill	19.4 CY
Compound Foundation (Equip. Platform Piers)	2.0 CY
Total Displacement	**23.4 CY**
Compensatory Storage Provided	**59.7 CY**
Net Flood Displacement	**-36.3 CY**

The compensatory flood storage area is provided in the same hydraulic reach of the Norwalk River with unrestricted hydraulic connection to the river. In conclusion, the compensatory storage volume increases the Norwalk River flood storage capacity in this reach of the river by exceeding the floodplain displacement volume due to the proposed retaining wall, compound fill and the equipment platform foundation piers.

Feel free to contact me should anything further be required.

Sincerely,

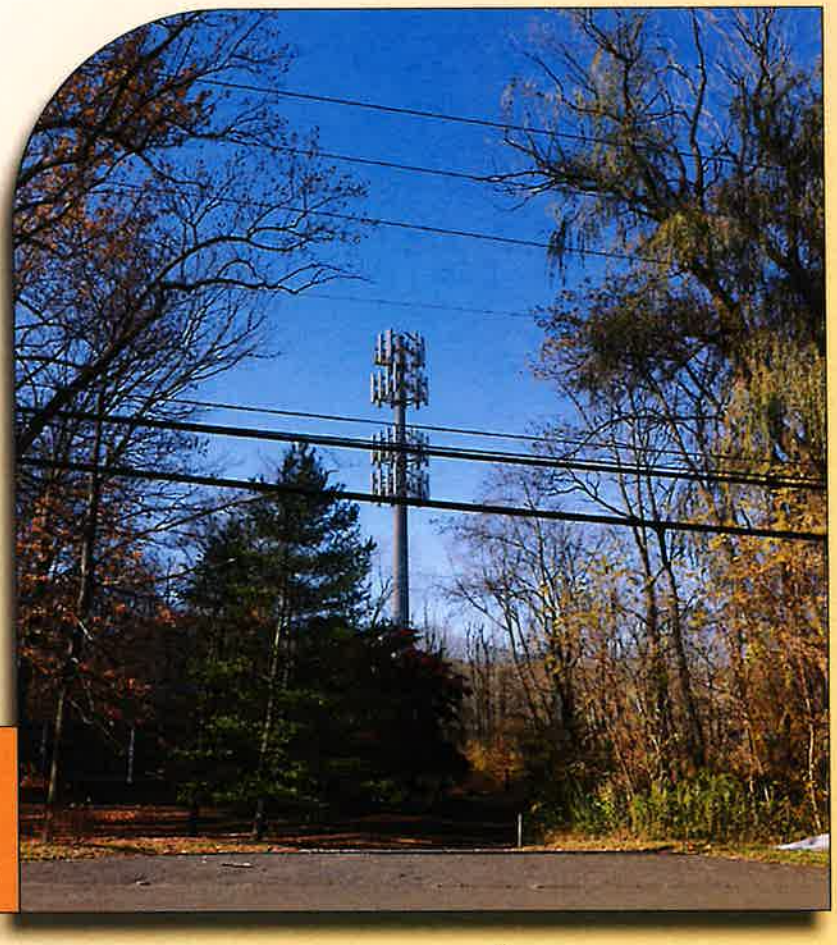
All Points Technology Corp.

Robert C. Burns, P.E.
Program Manager

ATTACHMENT 5

Photo-Documentation & Simulations

REDDING/ RT7
845 ETHAN ALLEN HIGHWAY
RIDGEFIELD, CT



Prepared in November 2022 by:
All-Points Technology Corporation, P.C.
567 Vauxhall Street Extension – Suite 311
Waterford, CT 06320

Prepared for Crown Castle

ALL-POINTS
TECHNOLOGY CORPORATION

VISUAL ASSESSMENT & PHOTO-SIMULATIONS

Crown Castle ("Crown") is seeking approval for the replacement of an existing wireless communications facility (the "Facility") at 845 Ethan Allen Highway in Ridgefield, Connecticut ("Site"). At the request of Crown, All-Points Technology Corporation, P.C. ("APT") completed this assessment to evaluate the potential visual effects of the proposed replacement Facility from within a 2-mile radius (the "Study Area"), including the preparation of computer-generated photo-simulations.

Project Setting

The existing Facility is located on a ±1.78-acre property west of Ethan Allen Highway (U.S. Route 7). The property is bordered by commercial development along Route 7 to the north and east, and wooded areas and residential development to the south and west. The eastern part of the Study Area includes portions of the neighboring municipalities of Danbury to the northeast and Redding to the east and southeast. Route 7 extends generally north-south through the central part of the Study Area.

The topography within the Study Area consists of hilly terrain. Ground elevations range from 396' above mean sea level ("AMSL") in the southeastern portion of the Study Area to approximately 907 feet AMSL in the northwestern portion of the Study Area. Tree cover within the Study Area (consisting primarily of mixed deciduous hardwoods) occupies approximately 5,642 acres (±70.2%) of the 8,042-acre Study Area.

Project Undertaking

The existing Facility consists of an ±100' tall steel unipole tower, with internally-mounted antennas. The proposed replacement Facility would be a 110' tall monopole located approximately 27' northwest of the existing Facility, with a retaining wall to the north and west of the monopole location. Three existing wireless service providers currently utilizing the unipole would relocate to the new tower, installing external antenna arrays. Related ground equipment would be placed within an expansion of the existing compound, and 8' tall stockade fencing would be installed to match existing fencing. Four shrubs will be added to existing landscaping on the northeast side of the expanded compound.

Please refer to the Site Drawings prepared by APT, dated October 21, 2022, and provided under separate cover, for details regarding the proposed installation.

Methodology

APT used the combination of a predictive computer model, in-field analysis, and a review of various data sources to evaluate the visibility associated with the proposed Facility on both a quantitative and qualitative basis. The predictive model provides a measurable assessment of visibility throughout the entire Study Area, including private properties and other areas inaccessible for direct observations. The in-field analysis consisted of field reconnaissance of the Study Area to record existing conditions, verify results of the model, inventory seasonal and year-round view locations, and provide photographic documentation from publicly accessible areas. A description of the procedures used in the analysis is provided below.

Preliminary Computer Modeling

To conduct this assessment, a predictive computer model was developed specifically for this project using ESRI's ArcMap GIS[1] software and available GIS data. The predictive model incorporates Project and Study Area-specific data, including the Facility locations, ground elevations and heights, as well as the surrounding topography, existing vegetation, and structures (the primary features that can block direct lines of sight).

A digital surface model ("DSM"), capturing both the natural and built features on the Earth's surface, was generated for the extent of the Study Area utilizing State of Connecticut 2016 LiDAR[2] LAS[3] data points. LiDAR is a remote-sensing technology that develops elevation data by measuring the time it takes for laser light to return from the surface to the instrument's sensors. The varying reflectivity of objects also means that the "returns" can be classified based on the characteristics of the reflected light, normally into categories such as "bare earth," "vegetation," "road," "surface water" or "building". Derived from the 2016 LiDAR data, the LAS datasets contain the corresponding elevation point data and return classification values. The Study Area DSM incorporates the first return LAS dataset values that are associated with the highest feature in the landscape, typically a treetop, top of a building, and/or the highest point of other tall structures.

Once the DSM was generated, ESRI's Viewshed Tool was utilized to identify locations within the Study Area where the proposed Facility extension may be visible. ESRI's Viewshed Tool predicts visibility by identifying those cells[4] within the DSM that can be seen from an observer location. Cells where visibility was indicated were extracted and converted from a raster dataset to a polygon feature which was then overlaid onto aerial photograph and topographic base maps.

---

[1] ArcMap is a Geographic Information System desktop application developed by the Environmental Systems Research Institute for creating maps, performing spatial analysis, and managing geographic data.

[2] Light Detection and Ranging

[3] An LAS file is an industry-standard binary format for storing airborne LiDAR data.

[4] Each DSM cell size is 1 square meter.

Since the DSM includes the highest relative feature in the landscape, isolated "visible" cells are often indicated within heavily forested areas (e.g., from the top of the highest tree) or on building rooftops during the initial processing. It is recognized that these areas do not represent typical viewer locations and overstate visibility. As such, the resulting polygon feature is further refined by extracting those areas. The viewshed results are also cross-checked against the most current aerial photographs to assess whether significant changes (a new housing development, for example) have occurred since the time the LiDAR-based LAS datasets were captured.

The results of the preliminary analysis are intended to provide a comparative representation of those areas where portions of the existing and extended Facility may potentially be visible to the human eye without the aid of magnification, based on a viewer eye-height of five (5) feet above the ground and the combination of intervening topography, trees and other vegetation, and structures. However, the Facility may not necessarily be visible from all locations within those areas identified by the predictive model, which has its limitations. For instance, the computer model cannot account for mass density, tree diameters and branching variability of trees, or the degradation of views that occur with distance. As a result, some areas depicted on the viewshed maps as theoretically offering potential visibility of the extended Facility may be over-predictive because the quality of those views is not sufficient for the human eye to recognize the Facility or discriminate it from other surrounding or intervening objects.

Seasonal Visibility

Visibility also varies seasonally with increased, albeit obstructed, views occurring during "leaf-off" conditions. Beyond the variabilities associated with density of woodland stands found within any given Study Area, each individual tree also has its own unique trunk, pole timber and branching patterns that provide varying degrees of screening in leafless conditions which, as introduced above, cannot be precisely modeled. Seasonal visibility is therefore estimated based on a combination of factors including the type, size, and density of trees within a given area; topographic constraints; and other visual obstructions that may be present. Considering these dynamics, areas depicting seasonal visibility on the viewshed maps are intended to represent locations from where there is a potential for views through intervening trees, as opposed to indicating that leaf-off views will exist from within an entire seasonally-shaded area.

Field Reconnaissance and Photographic Documentation

To supplement and fine tune the results of the computer modeling efforts, APT completed in-field verification activities on November 3, 2022 consisting of vehicular and pedestrian reconnaissance, and photo-documentation within the Study Area.

Using the combination of the preliminary predictive viewshed mapping and the known landmark of the existing tower, APT compiled an inventory of locations where the existing tower is visible. Visual observations from along local and State roads and other publicly accessible locations were used to evaluate the results of the preliminary viewshed mapping and identify any discrepancies in the initial modeling. During the reconnaissance, APT captured photographs from locations within and beyond the areas of predicted visibility. Collectively, the selection of photographs represents the general extent of visibility of the existing Facility and proposed Facility throughout the Study Area.

Photographic Simulations

Photographic simulations were generated to portray scaled renderings of the proposed Facility. Using field data, site plan information and 3-dimensional (3D) modeling software, spatially referenced models of the existing unipole and the proposed monopole were generated and merged. The geographic coordinates of the photograph locations and existing features observed in the field (e.g., roads, utility poles, catch basins, buildings and other structures) were incorporated into the model to produce virtual camera positions within the spatial 3D model. Photo-simulations were then created by merging these virtual scenes with corresponding existing conditions photographs and composited using image editing software. The scales of the subjects in the photograph and their corresponding simulation (in this case, the proposed Facility) are proportional to their surroundings.

Photo-documentation of the field reconnaissance and photo-simulations of the proposed Facility are presented in the attachment at the end of this report and are intended to provide the reader with a general comparison of existing and proposed view characteristics. Photographs were taken from publicly accessible areas and chosen to present direct view lines towards the proposed Facility (unobstructed where possible).

For presentation purposes in this report, the photographs were produced in an approximate 7-inch by 10.5- inch format. This format size allows for the inclusion of key contextual landscape elements (existing development, street signs, utility poles, etc.) so that the viewer can understand the proportionate scale of each object within the scene.

The table on the following page summarizes the photographs and simulations presented in the attachment to this report, and includes a description of each location, view orientation, and distance from where the photo was taken relative to the Facility. The photo locations are depicted on the photolog provided as an attachment to this report.

Table 1 – Photo Locations

Photo	Location	Orientation	Distance to Site	Height of Facility Visible Above Tree Canopy	Visibility
1	Haviland Road	Northeast	± 0.29 Mile	N/A	Not Visible
2	Mill View Terrace	North	± 0.32 Mile	N/A	Not Visible
3	Ethan Allen Highway	Northwest	± 0.31 Mile	N/A	Not Visible
4	Great Pond Road	Northwest	± 0.13 Mile	N/A^	Seasonal
5	Great Pond Road	West	± 0.14 Mile	N/A^	Seasonal
6	Great Pond Road	West	± 0.30 Mile	N/A	Not Visible
7	Ethan Allen Highway	Northwest	± 0.12 Mile	N/A^	Seasonal
8	Ethan Allen Highway*	Northwest	± 330 Feet	N/A^	Seasonal
9	Ethan Allen Highway**	Southwest	± 224 Feet	80'-90'	Year Round
10	Ethan Allen Highway*	South	± 339 Feet	40'-50'	Year Round
11	Ethan Allen Highway	South	± 0.12 Mile	20'-30'	Year Round
12	Ethan Allen Highway	Southeast	± 0.28 Mile	N/A	Not Visible
13	Old Pierce Road	Southeast	± 0.28 Mile	N/A^	Seasonal
14	Ritch Drive	East	± 0.31 Mile	BTC	Year Round

**Photograph was taken at 35 mm focal length.*
***Photograph was taken at 24 mm focal length.*
^Facility visible through trees in leaf-off conditions
All locations photographed during this assessment are in Ridgefield.
N/A Not Applicable
BTC Below Tree Canopy

Conclusions

As presented on the attached comparative viewshed maps, predicted visibility is estimated to be nearly identical to visibility of the existing Facility. Minor variations are the result of the lateral move of the tower. Year-round visibility (approximately 5 acres) will be experienced along Route 7 in the immediate vicinity of the Facility and in locations up to ½ mile to the north. See photos 9, 10, and 11. Year-round visibility will also be experienced to the west, as depicted on photo 14, where the Facility will be viewed against a backdrop of trees. Seasonal visibility of the proposed Facility is estimated to remain similar, with approximately 19 acres of predicted visibility.

The design of the replacement Facility will represent an exterior change from existing conditions. However, the external antenna arrays would be prominently visible only within 500 feet of the Site, and primarily along Route 7, within a commercially developed area.

The overall predicted visibility of the proposed Facility (±24 acres, equal to that of the existing Facility) represents approximately 0.3% of the 8,042-acre Study Area. There is no significant difference in the visibility footprint between the existing and proposed Facilities and therefore the replacement Facility would not significantly alter the characteristics of the area.

Proximity to Schools And Commercial Child Day Care Centers

No schools or commercial child day care centers are located within 250 feet of the proposed Facility. Farmingville Elementary School is located approximately 1.4 miles southeast of the Site at 324 Farmingville Road in Ridgefield. The existing Facility is not visible at the Farmingville Elementary School, nor is the proposed Facility predicted to be visible. The nearest commercial child care center, Children's Academy, is located at 890 Ethan Allen Highway in Ridgefield, approximately 0.15 mile north of the Site. The viewshed mapping depicts that the Facility may be visible from the entrance and parking area of Children's Academy, but will not be visible from the building or the play area behind the building.

Limitations

The photo-simulations provide a representation of the Facility under similar settings as those encountered during the field review and reconnaissance. Views can change throughout the seasons and the time of day, and are dependent on weather and other atmospheric conditions (e.g., haze, fog, clouds); the location, angle and intensity of the sun; and the specific viewer location. Weather conditions on the day of the field review included clear skies.

ATTACHMENTS

PHOTO LOG

Legend

Site · Year-Round · Seasonal · Not Visible · Municipal Boundary

1 inch = 450 feet

300 150 0 300 Feet

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE

PHOTOGRAPHED ON 11/3/2022

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
1	**HAVILAND ROAD**	**NORTHEAST**	**+/- 0.29 MILE**	**NOT VISIBLE**

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
2	**MILL VIEW TERRACE**	**NORTH**	**+/- 0.32 MILE**	**NOT VISIBLE**

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
3	**ETHAN ALLEN HIGHWAY**	**NORTHWEST**	**+/- 0.31 MILE**	**NOT VISIBLE**

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE

PHOTOGRAPHED ON 11/7/2022

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
4	**GREAT POND ROAD**	**NORTHWEST**	**+/- 0.13 MILE**	**SEASONAL**

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE

PROPOSED

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
4	**GREAT POND ROAD**	**NORTHWEST**	**+/- 0.13 MILE**	**SEASONAL**

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE

PHOTOGRAPHED ON 11/3/2022

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
5	**GREAT POND ROAD**	**WEST**	**+/- 0.14 MILE**	**SEASONAL**

ALL-POINTS TECHNOLOGY CORPORATION

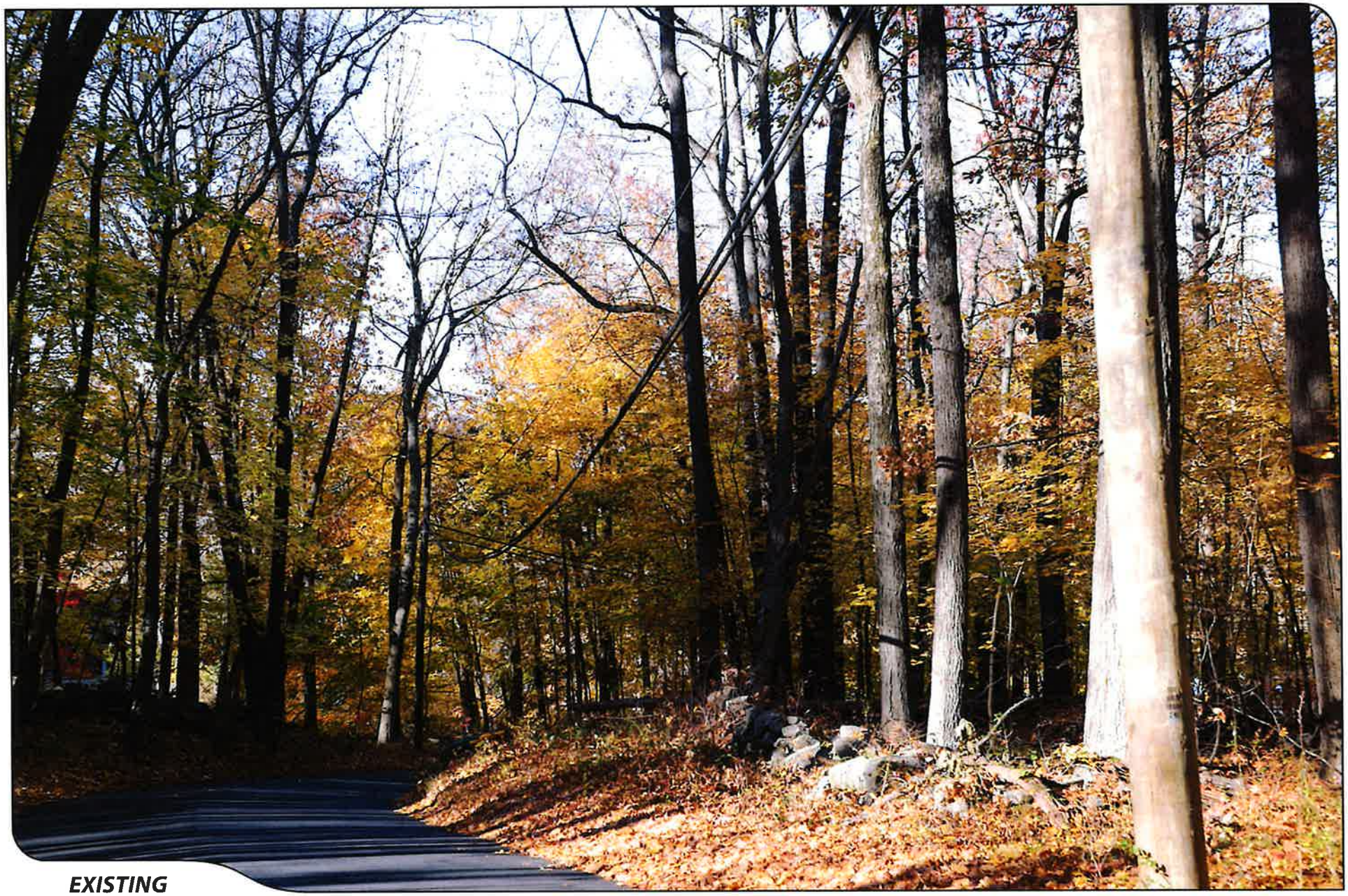
CROWN CASTLE

PROPOSED

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
5	**GREAT POND ROAD**	**WEST**	**+/- 0.14 MILE**	**SEASONAL**

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE



PHOTOGRAPHED ON 11/3/2022

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
6	**GREAT POND ROAD**	**WEST**	**+/- 0.30 MILE**	**NOT VISIBLE**

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE

PHOTOGRAPHED ON 11/3/2022

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
7	**ETHAN ALLEN HIGHWAY**	**NORTHWEST**	**+/- 0.12 MILE**	**SEASONAL**

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE

PROPOSED

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
7	**ETHAN ALLEN HIGHWAY**	**NORTHWEST**	**+/- 0.12 MILE**	**SEASONAL**

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE

PHOTOGRAPHED ON 11/7/2022

35mm Focal Length

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
8	**ETHAN ALLEN HIGHWAY**	**NORTHWEST**	**+/- 330 FEET**	**SEASONAL**

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE

PROPOSED

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
8	**ETHAN ALLEN HIGHWAY**	**NORTHWEST**	**+/- 330 FEET**	**SEASONAL**

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE

PHOTOGRAPHED ON 11/3/2022

24mm Focal Length

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
9	**ETHAN ALLEN HIGHWAY**	**SOUTHWEST**	**+/- 224 FEET**	**YEAR ROUND**

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE

PROPOSED

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
9	**ETHAN ALLEN HIGHWAY**	**SOUTHWEST**	**+/- 224 FEET**	**YEAR ROUND**

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE

PHOTOGRAPHED ON 11/2/2022

35mm focal length

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
10	ETHAN ALLEN HIGHWAY	SOUTH	+/- 339 FEET	YEAR ROUND

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE

PROPOSED

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
10	**ETHAN ALLEN HIGHWAY**	**SOUTH**	**+/- 339 FEET**	**YEAR ROUND**

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE

PHOTOGRAPHED ON 11/2/2022

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
11	ETHAN ALLEN HIGHWAY	SOUTH	+/- 0.12 MILE	YEAR ROUND

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE

PROPOSED

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
11	ETHAN ALLEN HIGHWAY	SOUTH	+/- 0.12 MILE	YEAR ROUND

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE

PHOTOGRAPHED ON 11/7/2022

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
12	**ETHAN ALLEN HIGHWAY**	**SOUTHEAST**	**+/- 0.28 MILE**	**NOT VISIBLE**

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE

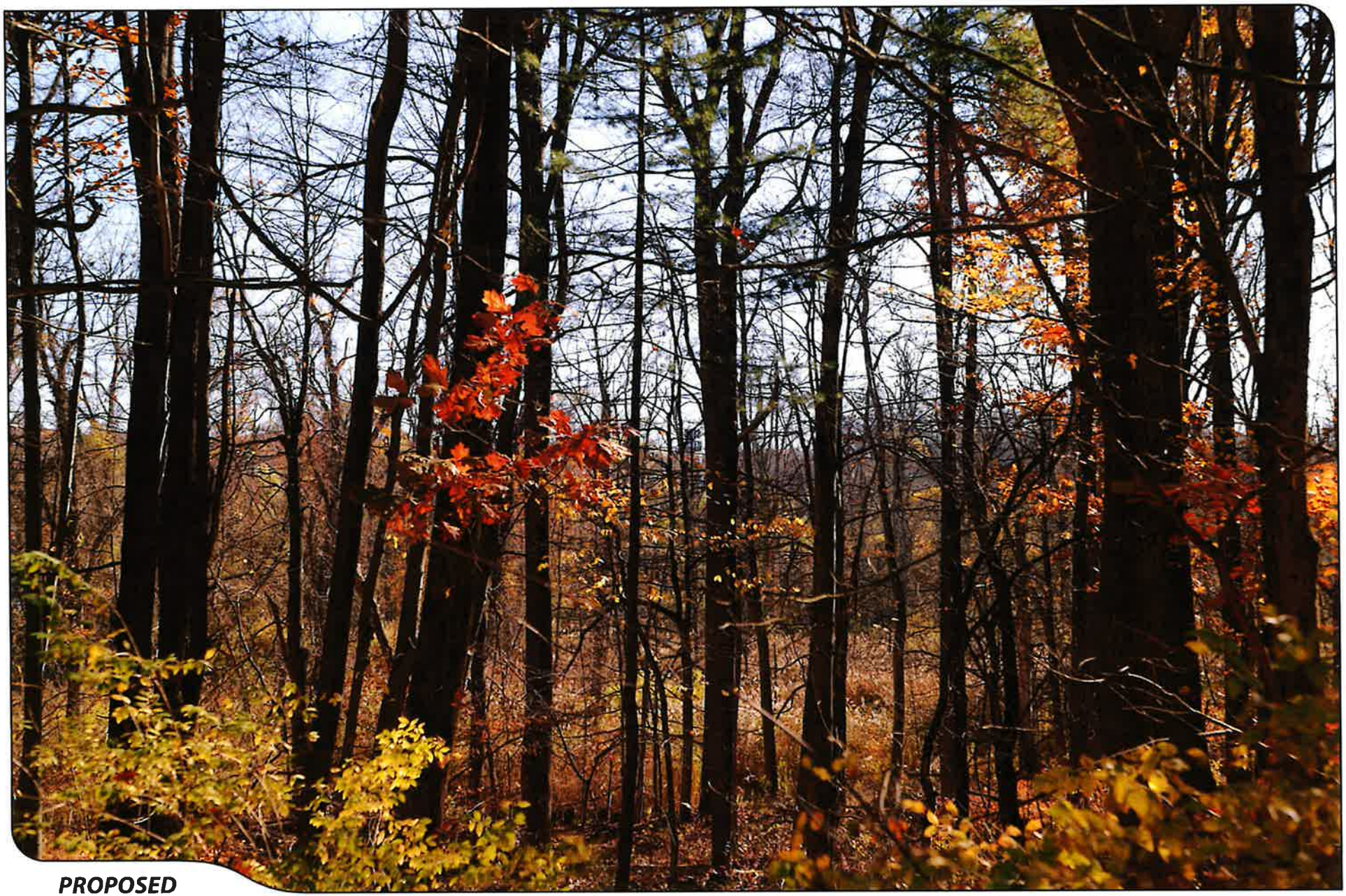
PHOTOGRAPHED ON 11/3/2022

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
13	**OLD PIERCE ROAD**	**SOUTHEAST**	**+/- 0.28 MILE**	**SEASONAL**

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE



PROPOSED

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
13	**OLD PIERCE ROAD**	**SOUTHEAST**	**+/- 0.28 MILE**	**SEASONAL**

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE

PHOTOGRAPHED ON 11/3/2022

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
14	**RITCH DRIVE**	**EAST**	**+/- 0.31 MILE**	**YEAR ROUND**

ALL-POINTS TECHNOLOGY CORPORATION

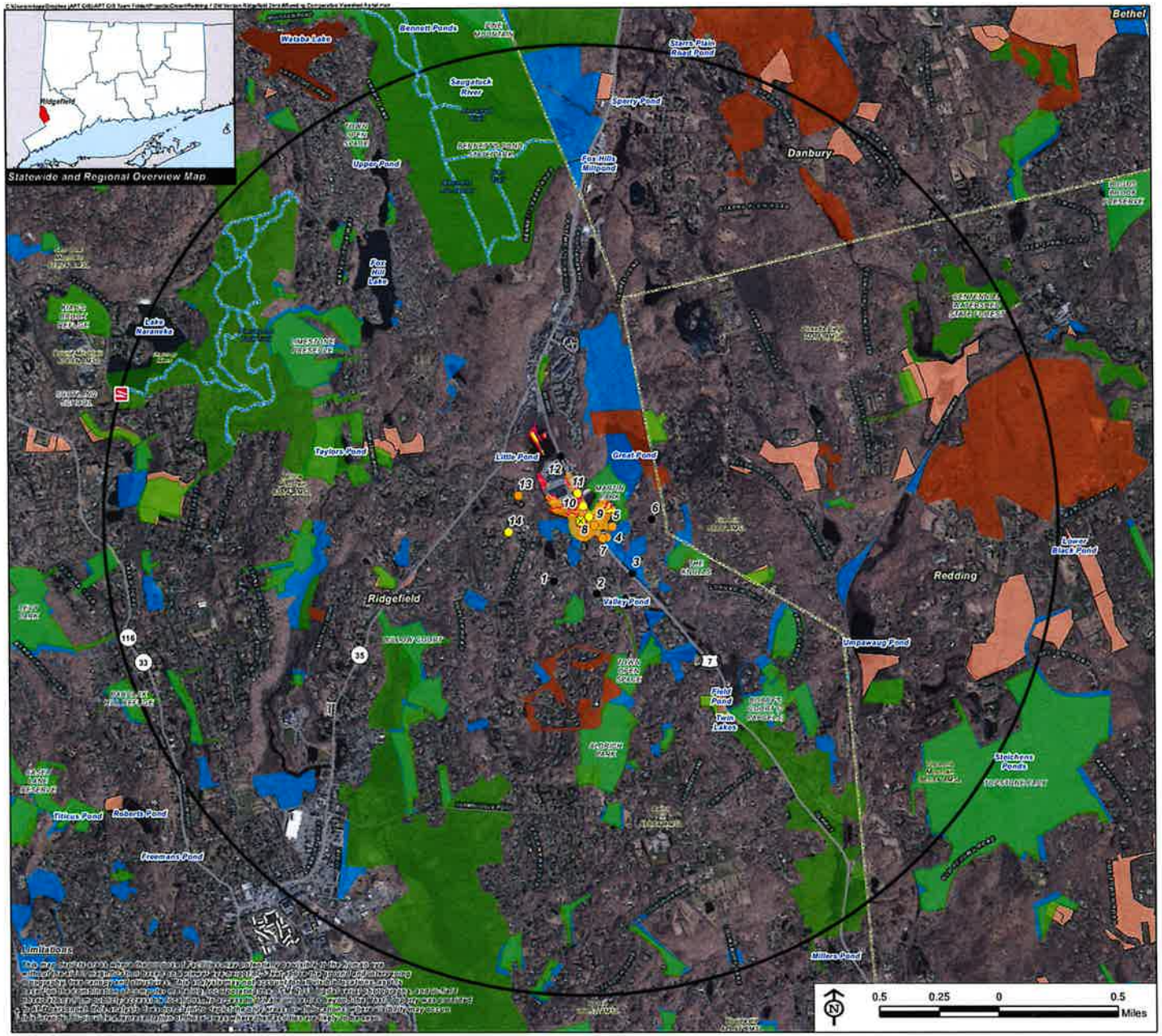
CROWN CASTLE

PROPOSED

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
14	**RITCH DRIVE**	**EAST**	**+/- 0.31 MILE**	**YEAR ROUND**

ALL-POINTS TECHNOLOGY CORPORATION

CROWN CASTLE



Comparative Viewshed Analysis Map

Proposed Wireless Telecommunications Facility
Redding/RTE 7
845 Ethan Allen Highway
Ridgefield, Connecticut

Existing and Proposed facility heights are 100 feet AGL and 110 feet AGL, respectively.
Forest canopy height is derived from LiDAR data.
Study area encompasses a two-mile radius surrounding each site and includes 8,042 acres.
Map information field verified by APT on November 03, 2022
Base Map Source: 2019 Aerial Photograph (CTECO)
Map Date: September 2022

Legend

- Proposed Facility
- Existing Facility
- Study Area (2-Mile Radius)

Photo Locations (November 3, 2022)

- Year-Round (Existing and Proposed Facility)
- Seasonal (Existing and Proposed Facility)
- Not Visible (Existing or Proposed Facility)
- Predicted Year-Round Visibility, Proposed Facility (5 Acres)
- Predicted Year-Round Visibility, Existing Facility (5 Acres)
- Areas of Potential Seasonal Visibility, Existing and Proposed Facility (19 Acres)
- Trail
- Scenic Highway
- DEEP Boat Launches
- Municipal and Private Open Space Property
- State Forest/Park

Protected Open Space Property

- Federal
- Land Trust
- Municipal
- Private
- State
- Municipal Boundary

Data Sources:

Physical Geography / Background Data

A digital surface model (DSM) was created from the State of Connecticut 2016 LiDAR LAS data points. The DSM captures the natural and built features on the Earth's surface.

Municipal Open Space, State Recreation Areas, Trails, County Recreation Areas, and Town Boundary data obtained from CT DEEP. Scenic Roads: CTDOT State Scenic Highways (2015); Municipal Scenic Roads (compiled by APT)

Dedicated Open Space & Recreation Areas

Connecticut Department of Energy and Environmental Protection (DEEP): DEEP Property (May 2007; Federal Open Space (1997); Municipal and Private Open Space (1997); DEEP Boat Launches (1994)

Connecticut Forest & Parks Association, Connecticut Walk Books East & West

Other

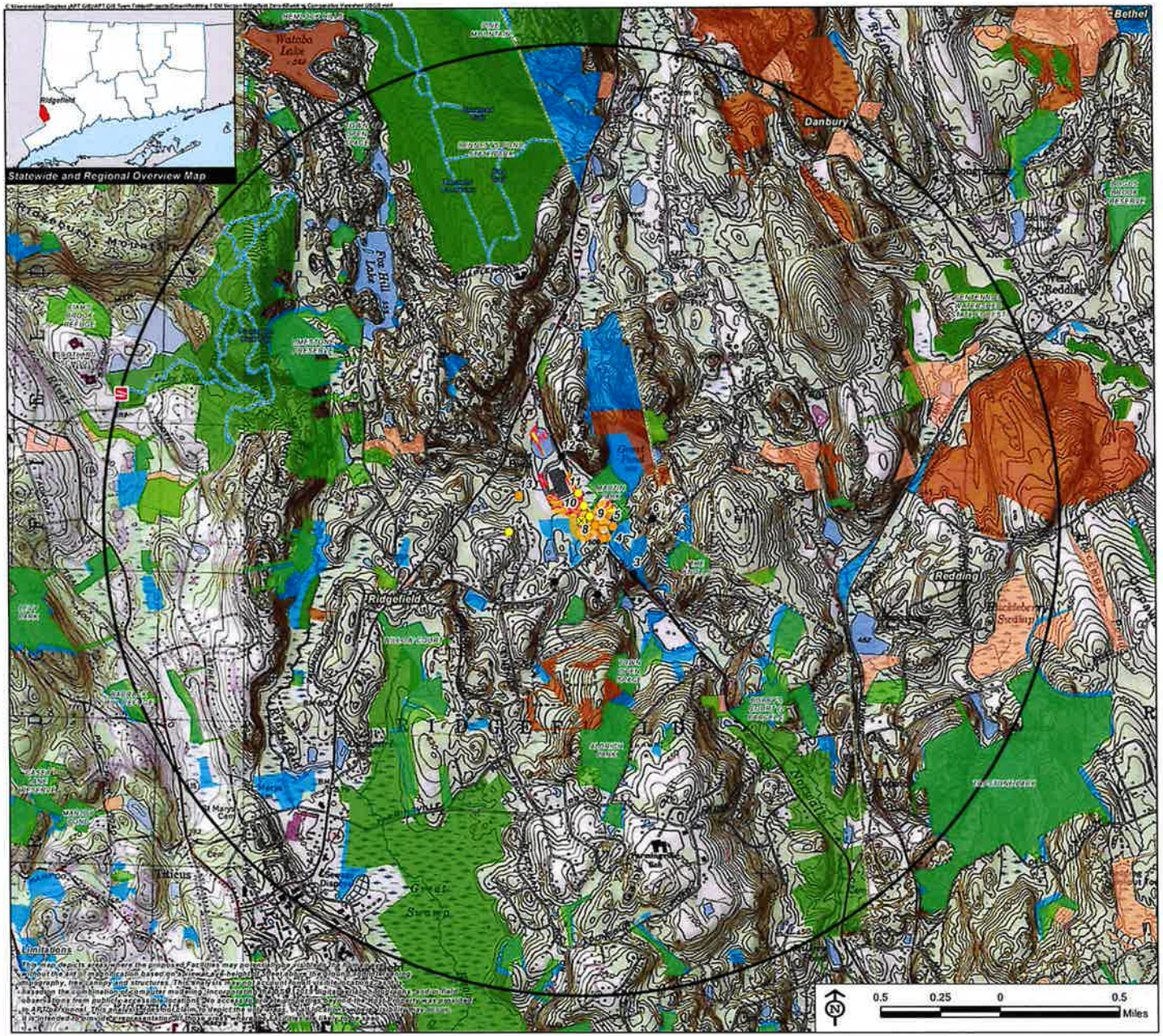
CTDOT Scenic Strips (based on Department of Transportation data)

Notes

***Not all the sources listed above appear on the Viewshed Maps. Only those features within the scale of the graphic are shown.*

CROWN CASTLE

ALL POINTS



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Study area encompasses a two-mile radius surrounding each site and includes 8,042 acres.
Map information field verified by APT on November 03, 2022
Base Map Source: USGS 7.5 Minute Topographic Quadrangle Map: Bethel, CT (1984) and Peach Lake, NY-CT (1998)
Map Date: September 2022

Legend

- Proposed Facility
- Existing Facility
- Study Area (2-Mile Radius)

Photo Locations (November 3, 2022)

- Year-Round (Existing and Proposed Facility)
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- Federal
- Land Trust
- Municipal
- Private
- State
- Municipal Boundary

Data Sources:

Physical Geography / Background Data

A digital surface model (DSM) was created from the State of Connecticut 2016 LIDAR LAS data points. The DSM captures the natural and built features on the Earth's surface.

Municipal Open Space, State Recreation Areas, Trails, County Recreation Areas, and Town Boundary data obtained from CT DEEP. Scenic Roads: CTDOT State Scenic Highways (2015); Municipal Scenic Roads (compiled by APT)

Dedicated Open Space & Recreation Areas

Connecticut Department of Energy and Environmental Protection (DEEP): DEEP Property (May 2007; Federal Open Space (1997); Municipal and Private Open Space (1997); DEEP Boat Launches (1994)

Connecticut Forest & Parks Association, Connecticut Walk Books East & West

Other

CTDOT Scenic Strips (based on Department of Transportation data)

Notes

***Not all the sources listed above appear on the Viewshed Maps. Only those features within the scale of the graphic are shown.*

CROWN CASTLE

ALL-POINTS

ATTACHMENT 6

CUMULATIVE MPE TABLE

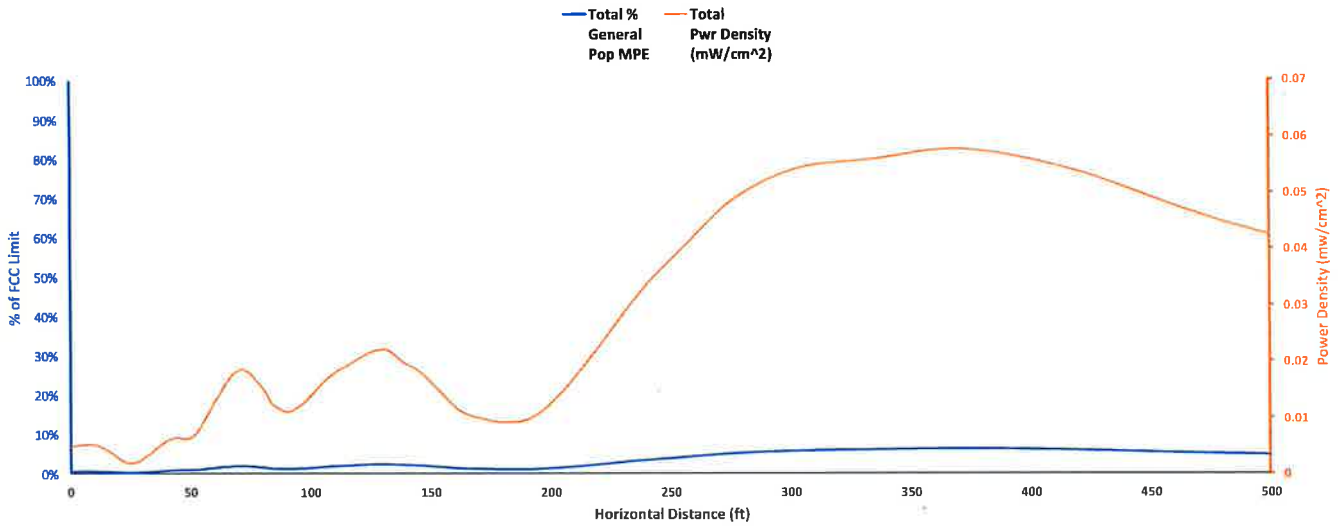
Carrier	MPE %
Sprint	9.28%
AT&T	8.28%
T-Mobile	1.87%
***Verizon Wireless**	**6.3 %**
Site Total	*25.66 %*

*See attached Verizon Wireless far field tables for full detail.

Note: the data for the carriers in the above table was compiled from the EBI Consulting Radio Frequency Emissions Analysis Report, dated April 8, 2019 submitted by Crown Castle on May 1, 2019 (EM-SPRINT-118-190502).

Location	RIDGEFIELD 2 CT					
Date	10/30/2022					
Band	C-Band	CBRS	AWS	PCS	850-LTE	700
Operating Frequency (MHz)	3,700	3,550	2,145	1,970	880	746
General Population MPE (mW/cm^2)	1	1	1	1	0.586666667	0.497333333
ERP Per Transmitter (Watts)	13,032	54	1,622	1,549	741	813
Number of Transmitters	2	4	4	4	4	4
Antenna Centerline (feet)	106	106	106	106	106	106
Total ERP (Watts)	26,064	216	6,488	6,196	2,964	3,252
Total ERP (dBm)	74	53	68	68	65	65
Maximum % of General Population Limit	6.5%					

RF Exposure 6ft Above Ground Level
Far Field Formula (per FCC OET65)



Angle Below Horizon	Power Density (mW/cm^2)						Percent of General Population MPE									Distance	Total Pwr Density (mW/cm^2)	Total % General Pop MPE
	C-Band	CBRS	AWS	PCS	850-LTE	700 MHz	39GHz	28GHz	C-Band	CBRS	AWS	PCS	Cellular	CDMA	700 MHz			
90	0.004633241	2.82031E-06	1.23867E-06	3.8015E-07	5.18468E-05	3.45139E-05	0.00%	0.00%	0.46%	0.00%	0.00%	0.00%	0.01%	0.00%	0.01%	0	0.004761653	0.48%
89	0.00463275	3.3904E-06	2.23825E-06	6.60555E-08	5.08951E-05	3.53141E-05	0.00%	0.00%	0.46%	0.00%	0.00%	0.00%	0.01%	0.00%	0.01%	1.029849831	0.004763843	0.48%
88	0.004739151	3.63173E-06	5.31827E-06	3.1679E-07	4.94923E-05	3.36364E-05	0.00%	0.00%	0.47%	0.00%	0.00%	0.00%	0.01%	0.00%	0.01%	2.0603254	0.004872037	0.49%
87	0.004802528	3.98E-06	1.01986E-05	1.2177E-06	4.7131E-05	3.01009E-05	0.00%	0.00%	0.48%	0.00%	0.00%	0.00%	0.01%	0.00%	0.01%	3.092058978	0.004936635	0.50%
86	0.004910733	4.36073E-06	1.52481E-05	2.41667E-06	4.35495E-05	2.58378E-05	0.00%	0.00%	0.49%	0.00%	0.00%	0.00%	0.01%	0.00%	0.01%	4.125681905	0.005044185	0.51%
85	0.00490602	5.00198E-06	1.82725E-05	3.71364E-06	3.90451E-05	2.19199E-05	0.00%	0.00%	0.49%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	5.161831148	0.005036125	0.51%
84	0.005014389	6.00663E-06	1.76721E-05	5.7715E-06	3.43602E-05	1.88073E-05	0.00%	0.00%	0.50%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	6.201149881	0.005138647	0.52%
83	0.005007393	8.27989E-06	1.3762E-05	9.24021E-06	3.03004E-05	1.66235E-05	0.00%	0.00%	0.50%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	7.244289093	0.005126126	0.52%
82	0.004999299	1.16767E-05	8.95321E-06	1.3489E-05	2.7717E-05	1.54532E-05	0.00%	0.00%	0.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	8.291909247	0.005115374	0.52%
81	0.004990097	1.60887E-05	6.00038E-06	1.68337E-05	2.72864E-05	1.53539E-05	0.00%	0.00%	0.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	9.344681979	0.005108536	0.51%
80	0.004866423	2.11652E-05	6.08527E-06	1.87189E-05	2.92447E-05	1.61183E-05	0.00%	0.00%	0.49%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	10.40329186	0.004991904	0.50%
79	0.004744714	2.72034E-05	7.83935E-06	2.02899E-05	3.38881E-05	1.75113E-05	0.00%	0.00%	0.47%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	11.46843824	0.004885642	0.49%

78	0.004519681	3.41602E-05	8.87519E-06	2.28128E-05	4.13947E-05	1.92405E-05	0.00%	0.00%	0.45%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	12.54083714	0.004684985	0.47%
77	0.004206307	4.00234E-05	7.97941E-06	2.65443E-05	5.18487E-05	2.08935E-05	0.00%	0.00%	0.42%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	13.62122328	0.004397393	0.45%
76	0.004004859	4.68813E-05	5.81644E-06	3.18169E-05	6.49269E-05	2.19633E-05	0.00%	0.00%	0.40%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	14.71035217	0.004224631	0.43%
75	0.003725326	5.24296E-05	3.68327E-06	4.11372E-05	7.96162E-05	2.18914E-05	0.00%	0.00%	0.37%	0.01%	0.00%	0.00%	0.01%	0.00%	0.00%	15.80900235	0.003976764	0.41%
74	0.00338555	5.72851E-05	2.40824E-06	5.87083E-05	9.40733E-05	2.03582E-05	0.00%	0.00%	0.34%	0.01%	0.00%	0.01%	0.02%	0.00%	0.00%	16.91797776	0.003674128	0.38%
73	0.003005932	5.97574E-05	2.40463E-06	8.77101E-05	0.000106369	1.73416E-05	0.00%	0.01%	0.30%	0.01%	0.00%	0.01%	0.02%	0.00%	0.00%	18.03811021	0.003340763	0.34%
72	0.002548067	5.95146E-05	3.88401E-06	0.000127433	0.000114828	1.37506E-05	0.00%	0.01%	0.25%	0.01%	0.00%	0.01%	0.02%	0.00%	0.00%	19.17026208	0.002942344	0.30%
71	0.002134622	5.65892E-05	6.14315E-06	0.000175142	0.000118075	1.12832E-05	0.00%	0.01%	0.21%	0.01%	0.00%	0.02%	0.02%	0.00%	0.00%	20.31532918	0.002591132	0.27%
70	0.001808447	5.13711E-05	7.21731E-06	0.000227183	0.000116451	1.10768E-05	0.00%	0.01%	0.18%	0.01%	0.00%	0.02%	0.02%	0.00%	0.00%	21.47424382	0.00232497	0.24%
69	0.001496791	4.88173E-05	5.63937E-06	0.000280693	0.000111429	1.46984E-05	0.00%	0.01%	0.15%	0.00%	0.00%	0.03%	0.02%	0.00%	0.00%	22.64797807	0.002073864	0.22%
68	0.001238462	4.9693E-05	2.54069E-06	0.000329574	0.000104645	2.72893E-05	0.00%	0.01%	0.12%	0.00%	0.00%	0.03%	0.02%	0.00%	0.01%	23.83754732	0.001876794	0.20%
67	0.001065285	5.41849E-05	9.38719E-07	0.000363527	9.80174E-05	5.35273E-05	0.00%	0.01%	0.11%	0.01%	0.00%	0.04%	0.02%	0.00%	0.01%	25.04401416	0.001764317	0.19%
66	0.001083692	5.90634E-05	2.29602E-06	0.000374952	9.17789E-05	9.18365E-05	0.00%	0.01%	0.11%	0.01%	0.00%	0.04%	0.02%	0.00%	0.02%	26.26849243	0.001830814	0.20%
65	0.001208362	6.43591E-05	5.41087E-06	0.000356671	8.59081E-05	0.000142661	0.00%	0.01%	0.12%	0.01%	0.00%	0.04%	0.01%	0.00%	0.03%	27.51215183	0.00198227	0.22%
64	0.001378268	6.69494E-05	1.01719E-05	0.000305777	8.03842E-05	0.000208182	0.00%	0.01%	0.14%	0.01%	0.00%	0.03%	0.01%	0.00%	0.04%	28.77622273	0.002178228	0.25%
63	0.001719135	6.64849E-05	2.18968E-05	0.000228234	7.43271E-05	0.000289347	0.00%	0.01%	0.17%	0.01%	0.00%	0.02%	0.01%	0.00%	0.06%	30.06200152	0.002535868	0.29%
62	0.002099516	6.30278E-05	5.02561E-05	0.000135891	6.69817E-05	0.000388355	0.00%	0.01%	0.21%	0.01%	0.01%	0.01%	0.01%	0.00%	0.08%	31.37085647	0.00293896	0.34%
61	0.002391962	5.97265E-05	0.000102053	5.24596E-05	5.81556E-05	0.000506832	0.00%	0.01%	0.24%	0.01%	0.01%	0.01%	0.01%	0.00%	0.10%	32.70423404	0.003293091	0.38%
60	0.002668135	5.27984E-05	0.0001755	7.67853E-06	4.7868E-05	0.000643157	0.00%	0.01%	0.27%	0.01%	0.02%	0.00%	0.01%	0.00%	0.13%	34.06366588	0.003694508	0.44%
59	0.003037187	4.45538E-05	0.000262749	3.1372E-05	3.70091E-05	0.000797225	0.00%	0.01%	0.30%	0.00%	0.03%	0.00%	0.01%	0.00%	0.16%	35.45077652	0.004296585	0.51%
58	0.003151645	3.6724E-05	0.00035531	0.00014575	2.87326E-05	0.000963045	0.00%	0.01%	0.32%	0.00%	0.04%	0.01%	0.00%	0.00%	0.19%	36.86729176	0.00478214	0.58%
57	0.003114552	3.16817E-05	0.000442044	0.000360966	3.01462E-05	0.001133718	0.00%	0.01%	0.31%	0.00%	0.04%	0.04%	0.01%	0.00%	0.23%	38.315048	0.005219469	0.64%
56	0.003083449	3.06513E-05	0.000508284	0.000671594	5.13894E-05	0.001297616	0.00%	0.01%	0.31%	0.00%	0.05%	0.07%	0.01%	0.00%	0.26%	39.79600249	0.005746326	0.71%
55	0.002782597	3.10358E-05	0.000526648	0.001053224	0.000100528	0.001443976	0.00%	0.01%	0.28%	0.00%	0.05%	0.11%	0.02%	0.00%	0.29%	41.31224475	0.006029994	0.76%
54	0.002413377	3.36541E-05	0.000468484	0.00146452	0.000183005	0.001565794	0.00%	0.01%	0.24%	0.00%	0.05%	0.15%	0.03%	0.00%	0.31%	42.86600915	0.006263567	0.80%
53	0.001984034	3.73217E-05	0.000330841	0.001860456	0.000300183	0.001643079	0.00%	0.01%	0.20%	0.00%	0.03%	0.19%	0.05%	0.01%	0.33%	44.45968896	0.00633418	0.82%
52	0.001473022	4.43223E-05	0.000156776	0.002199276	0.000448793	0.001672318	0.00%	0.02%	0.15%	0.00%	0.02%	0.22%	0.08%	0.01%	0.34%	46.09585196	0.006211806	0.83%
51	0.001005987	5.38276E-05	4.69529E-05	0.002469805	0.000618628	0.001650828	0.00%	0.02%	0.10%	0.01%	0.00%	0.25%	0.11%	0.01%	0.33%	47.77725796	0.006132879	0.83%
50	0.000597975	6.68491E-05	0.000128456	0.002702424	0.000797114	0.001573231	0.00%	0.02%	0.06%	0.01%	0.01%	0.27%	0.14%	0.01%	0.32%	49.50687824	0.006194599	0.84%
49	0.000371934	8.29619E-05	0.000497205	0.002921033	0.000966726	0.001447357	0.00%	0.02%	0.04%	0.01%	0.05%	0.29%	0.16%	0.02%	0.29%	51.28791753	0.006616131	0.88%
48	0.00034192	0.00010054	0.001158762	0.003176835	0.001108566	0.00128243	0.00%	0.02%	0.03%	0.01%	0.12%	0.32%	0.19%	0.02%	0.26%	53.12383861	0.007459313	0.96%
47	0.000521242	0.000124581	0.002014232	0.003484256	0.001204694	0.001089304	0.00%	0.02%	0.05%	0.01%	0.20%	0.35%	0.21%	0.02%	0.22%	55.01839008	0.008759693	1.08%
46	0.000922131	0.000150732	0.002883119	0.003871357	0.001240595	0.000880851	0.00%	0.02%	0.09%	0.02%	0.29%	0.39%	0.21%	0.02%	0.18%	56.97563771	0.01030469	1.22%
45	0.001503706	0.000178064	0.00359942	0.004347435	0.001210598	0.000670305	0.00%	0.02%	0.15%	0.02%	0.36%	0.43%	0.21%	0.02%	0.13%	59	0.011851704	1.35%
44	0.00227053	0.000200697	0.004066277	0.004888747	0.00111164	0.000473409	0.00%	0.01%	0.23%	0.02%	0.41%	0.49%	0.19%	0.02%	0.10%	61.09628851	0.013292112	1.47%
43	0.003218562	0.000210899	0.004292711	0.005466788	0.000956091	0.000318252	0.00%	0.02%	0.32%	0.02%	0.43%	0.55%	0.16%	0.02%	0.06%	63.26975389	0.014777283	1.59%
42	0.004342512	0.000231821	0.004383397	0.005926678	0.000759588	0.000239801	0.00%	0.04%	0.43%	0.02%	0.44%	0.59%	0.13%	0.02%	0.05%	65.52613837	0.016366764	1.72%
41	0.005474401	0.000260465	0.004450475	0.006087051	0.000549761	0.000212054	0.00%	0.05%	0.55%	0.03%	0.45%	0.61%	0.09%	0.01%	0.04%	67.87173603	0.01766645	1.83%
40	0.006598095	0.000292302	0.004597146	0.005681838	0.000347741	0.000183877	0.00%	0.06%	0.66%	0.03%	0.46%	0.57%	0.06%	0.01%	0.04%	70.31346196	0.018391185	1.89%
39	0.007655163	0.00032016	0.004808661	0.004645418	0.000174097	0.000160718	0.00%	0.06%	0.77%	0.03%	0.48%	0.46%	0.03%	0.01%	0.03%	72.85893224	0.018369312	1.87%
38	0.008451021	0.00032683	0.005000103	0.003104413	8.56537E-05	0.00014126	0.00%	0.04%	0.85%	0.03%	0.50%	0.31%	0.01%	0.01%	0.03%	75.5165563	0.017579403	1.78%
37	0.008614795	0.00032558	0.004958093	0.001500774	6.53254E-05	0.000112035	0.00%	0.06%	0.86%	0.03%	0.50%	0.15%	0.01%	0.01%	0.02%	78.29564448	0.016173848	1.64%
36	0.008829187	0.000316471	0.004446215	0.000356444	4.34268E-05	6.25216E-05	0.00%	0.06%	0.88%	0.03%	0.44%	0.04%	0.01%	0.01%	0.01%	81.20653331	0.014658948	1.48%
35	0.008126285	0.000293295	0.003372577	1.1884E-05	4.39268E-05	5.67547E-05	0.00%	0.04%	0.81%	0.03%	0.34%	0.00%	0.01%	0.01%	0.01%	84.2607324	0.012375296	1.25%
34	0.007466393	0.000271346	0.001928327	0.000397357	5.9834E-05	0.000136842	0.00%	0.11%	0.75%	0.03%	0.19%	0.04%	0.01%	0.02%	0.03%	87.47109714	0.011436492	1.17%
33	0.006130906	0.000250575	0.000640611	0.001046153	7.33435E-05	0.000181399	0.00%	0.25%	0.61%	0.03%	0.06%	0.10%	0.01%	0.02%	0.04%	90.85203287	0.010960786	1.13%
32	0.005153195	0.000205821	3.00017E-05	0.001393628	7.25962E-05	0.00021537	0.00%	0.44%	0.52%	0.02%	0.00%	0.14%	0.01%	0.03%	0.04%	94.41973721	0.011664859	1.21%
31	0.004262893	0.000153857	0.000267778	0.001171588	5.68253E-05	0.000246498	0.00%	0.65%	0.43%	0.02%	0.03%	0.12%	0.01%	0.03%	0.05%	98.19248946	0.012870362	1.33%
30	0.004095814	0.000102271	0.000994054	0.000585343	3.81222E-05	0.000279544	0.00%	0.84%	0.41%	0.01%	0.10%	0.06%	0.01%	0.03%	0.06%	102.1909976	0.014648316	1.51%
29	0.004796339	5.77195E-05	0.001570289	0.000110912	4.02483E-05	0.00032138	0.00%	0.95%	0.48%	0.01%	0.16%	0.01%	0.01%	0.03%	0.06%	106.4388176	0.016578065	1.71%
28	0.006170661	2.46459E-05	0.00158271	8.42174E-05	8.43663E-05	0.000380576	0.00%	0.96%	0.62%	0.00%	0.16%	0.01%	0.01%	0.03%	0.08%	110.9628615	0.018116104	1.87%
27	0.008119249	5.63545E-06	0.001141788	0.000419359	0.000173122	0.000470571	0.00%	0.87%	0.81%	0.00%	0.11%	0.04%	0.03%	0.02%	0.09%	115.7940198	0.019189758	1.99%
26	0.009939473	1.28462E-06	0.000698929	0.000716859	0.000307752	0.000601829	0.00%	0.82%	0.99%	0.00%	0.07%	0.07%	0.05%	0.02%	0.12%	120.9679267	0.020587423	2.15%
25	0.010933633	1.24502E-05	0.000560834	0.000654387	0.000497281	0.000768907	0.00%	0.83%	1.09%	0.00%	0.06%	0.07%	0.08%	0.01%	0.15%	126.5259083	0.021765569	2.29%
24	0.01181945	4.26589E-05	0.000614705	0.000306667	0.000743763	0.000939089	0.00%	0.74%	1.18%	0.00%	0.06%	0.03%	0.13%	0.00%	0.19%	132.5161697	0.02189844	2.34%
23	0.010368729	9.40022E-05	0.000540499	6.55837E-05	0.001017566	0.001066191	0.00%	0.65%	1.04%	0.01%	0.05%	0.01%	0.17%	0.00%	0.21%	138.9952896	0.019702818	2.15%
22	0.008053722	0.000163836	0.000258861	0.00023018	0.001270088	0.001112003	0.00%	0.69%	0.81%	0.02%	0.03%	0.02%	0.22%	0.00%	0.22%	146.0301244	0.018014594	2.00%
21	0.004734112	0.000236402	7.83986E-05	0.000681254	0.001445692	0.001050384	0.00%	0.65%	0.47%	0.02%	0.01%	0.07%	0.25%	0.00%	0.21%	153.7002548	0.014721923	1.68%
20	0.001906585	0.000324092	0.000323092	0.000975723	0.001496557	0.000881791	0.00%	0.53%	0.19%	0.03%	0.03%	0.10%	0.26%	0.01%	0.18%	162.1011677	0.011257739	1.32%
19	0.000162865	0.000421929	0.000870756	0.00079414	0.001392079	0.000633776	0.00%	0.54%	0.02%	0.04%	0.09%	0.08%	0.24%	0.01%	0.13%	171.3484418	0.009764877	1.14%
18	0.000524438	0.000533466	0.001201611	0.000301832	0.001141646	0.000349787	0.00%	0.50%	0.05%	0.05%	0.12%	0.03%	0.19%	0.01%	0.07%	181.5833287	0.009069572	1.03%
17	0.003536406	0.000625136	0.000954184	2.16089E-06	0.000795059	0.000108811	0.00%	0.40%	0.35%	0.06%	0.10%	0.00%	0.14%	0.01%	0.02%	192.9803045	0.01002642	1.07%
16	0.009142886	0.000694218	0.000364043	0.000232356	0.00043144	4.25787E-05	0.00%	0.40%	0.91%	0.07%	0.04%	0.02%	0.07%	0.00%	0.01%	205.7574522	0.01489704	1.53%
15	0.0168596	0.000729894	1.56645E-05	0.000790529	0.000150551	0.000129407	0.00%	0.38%	1.69%	0.07%	0.00%	0.08%	0.03%	0.00%	0.03%	220.1909976	0.022478959	2.27%
14	0.026264137	0.000742636	0.000175563	0.001128323	4.23838E-05	0.000338433	0.00%	0.32%	2.63%	0.07%	0.02%	0.11%	0.01%	0.01%	0.07%	236.6360751	0.031873964	3.23%
13	0.034437816	0.000730211	0.000505947	0.000914336	0.00015201	0.000692062	0.00%	0.27%	3.44%	0.07%	0.05%	0.09%	0.03%	0.02%	0.14%	255.5570766	0.040247596	4.11%
12	0.043065724	0.000708834	0.000523843	0.000370853	0.000496557	0.001189163	0.00%	0.25%	4.31%	0.07%	0.05%	0.04%	0.08%	0.05%	0.24%	277.5731765	0.049111057	5.09%
11	0.048276192	0.00064736	0.000212228	3.19745E-05	0.001012908	0.001753244	0.00%	0.20%	4.83%	0.06%	0.02%	0.00%	0.17%	0.08%	0.35%	303.5286869	0.054373355	5.72%
10	0.048940025	0.000594397	1.67392E-06	0.00016283	0.001597722	0.002279154	0.00%	0.17%	4.89%	0.06%	0.00%	0.02%	0.27%	0.12%	0.46%	334.6056274	0.055956149	5.99%

9	0.049361122	0.000498652	0.000168056	0.000505191	0.002119445	0.002676052	0.00%	0.15%	4.94%	0.05%	0.02%	0.05%	0.36%	0.16%	0.54%	372.5113394	0.0577308	6.26%
8	0.044855651	0.000407596	0.000465465	0.000606579	0.00245841	0.002863694	0.00%	0.11%	4.49%	0.04%	0.05%	0.06%	0.42%	0.19%	0.58%	419.8068136	0.053859459	5.93%
7	0.036312423	0.000322454	0.000480978	0.000348438	0.002540343	0.002806498	0.00%	0.08%	3.63%	0.03%	0.05%	0.03%	0.43%	0.20%	0.56%	480.5164393	0.044825492	5.03%
6	0.028830569	0.000238927	0.000206501	5.17516E-05	0.002342558	0.002517461	0.00%	0.07%	2.88%	0.02%	0.02%	0.01%	0.40%	0.20%	0.51%	561.3475028	0.036010179	4.10%
5	0.019936015	0.000163324	3.26368E-05	7.58069E-05	0.001925198	0.002040553	0.00%	0.04%	1.99%	0.02%	0.00%	0.01%	0.33%	0.17%	0.41%	674.3730859	0.025610281	2.98%
4	0.012257736	0.00010276	0.000199287	0.000391274	0.001381171	0.001460561	0.00%	0.03%	1.23%	0.01%	0.02%	0.04%	0.24%	0.13%	0.29%	843.7393091	0.016841644	1.98%
3	0.006420357	5.41966E-05	0.000466261	0.00062608	0.000826792	0.000886479	0.00%	0.02%	0.64%	0.01%	0.05%	0.06%	0.14%	0.09%	0.18%	1125.787065	0.009950708	1.18%
2	0.002431251	2.2555E-05	0.000455931	0.000509214	0.000372106	0.000408262	0.00%	0.01%	0.24%	0.00%	0.05%	0.05%	0.06%	0.04%	0.08%	1689.538944	0.004509762	0.54%
1	0.000495044	5.03566E-06	0.000174467	0.000176082	8.98423E-05	0.000102036	0.00%	0.00%	0.05%	0.00%	0.02%	0.02%	0.02%	0.01%	0.02%	3380.107736	0.001122834	0.13%

ATTACHMENT 7

ASAC SITE SPECIFIC EVALUATION
FOR
Site Name: Redding
Site Number: 826927
Site Location: South Salem, NY

Requestors Name: Melissa Robertson
Company Name: Crown Castle
Street Address: 2000 Corporate Drive
City and Zip: Canonsburg, PA. 15317

This is an evaluation based on application of surfaces identified in Federal Aviation Regulation (FAR) Part 77 and Federal Communication Commission (FCC) Rules Part 17.

EXECUTIVE SUMMARY

- **The max height that can be built at this site without notice to the FAA is 200 feet AGL or 692 feet AMSL.**
- **The max No Extended Study height at this site is 254 AGL, or 746 AMSL.**
- **The max no hazard height at this site is 499 AGL, or 991 AMSL.**
- **The max no marking and lighting height at this site is 200 AGL, or 692 AMSL.**

SITE DATA

Structure Type: Antenna Tower

Coordinates of site:	**Lat:**	**41°18'46.86"**
	Long:	**73°28'20.48"**
	Datum:	**NAD 83**

Site ground elevation:	**492**
Total height above the ground of the entire structure (AGL):	**118**
Total height above mean sea level (AMSL):	**610**

AIRPORT/HELIPORT INFORMATION

Nearest public use or Government Use (DOD) facility: Danbury Municipal.

This structure will be located 3.5 NM or 21539 FT from the airport on a bearing of 352 degrees true to the airport.

Nearest private use landing facility is: Danbury Hospital.

This structure will be located 5.6 NM from the helipad on a bearing of 12 degrees true to the helipad.

STUDY FINDINGS

FAA FAR Part 77 paragraph 9 (FAR 77.9): (Construction or Alteration requiring notice.) (These are the imaginary surfaces that the FAA has implemented to provide general criteria for notification purposes.)

This structure does not require notification to the FAA.

FAA FAR Part 77 paragraph 17(FAR 77.17): (Standards for Determining Obstructions.)(These are the imaginary surfaces that the FAA has implemented to protect aircraft safety. If any of these surfaces are penetrated, the structure may pose a Hazard to Air Navigation.)

This structure does not exceed these surfaces.

FCC Notice Requirements:
(FCC Rules, Part 17)

This structure does not require notification to the FAA or FCC based on these rules.

FAA EMI:
(The FAA protects certain air navigational aids, radio transmitters, and RADAR facilities from possible interference. The distance and direction are dependent on the type of facility being evaluated. Some of these transmission and receiver facilities are listed in the National Flight Data Center (NFDC) database.)

This site would not affect any FAA air navigational aids or transmitters.

Military Airspace:
(This would include low level visual and instrument routes along with operations areas and special use airspace.)

This structure will not affect this airspace.

AM Facilities:
(The FCC protects AM radio stations from possible interference for a distance of 3.0 km for directional facilities, and 1.0 km for non-directional facilities. New changes to the FCC critical distances are calculated based on the AM transmission Movement Method Proof evaluation.)

This site was evaluated against the FCC's AM antenna database using the Movement Method proof calculations and no further action is required.

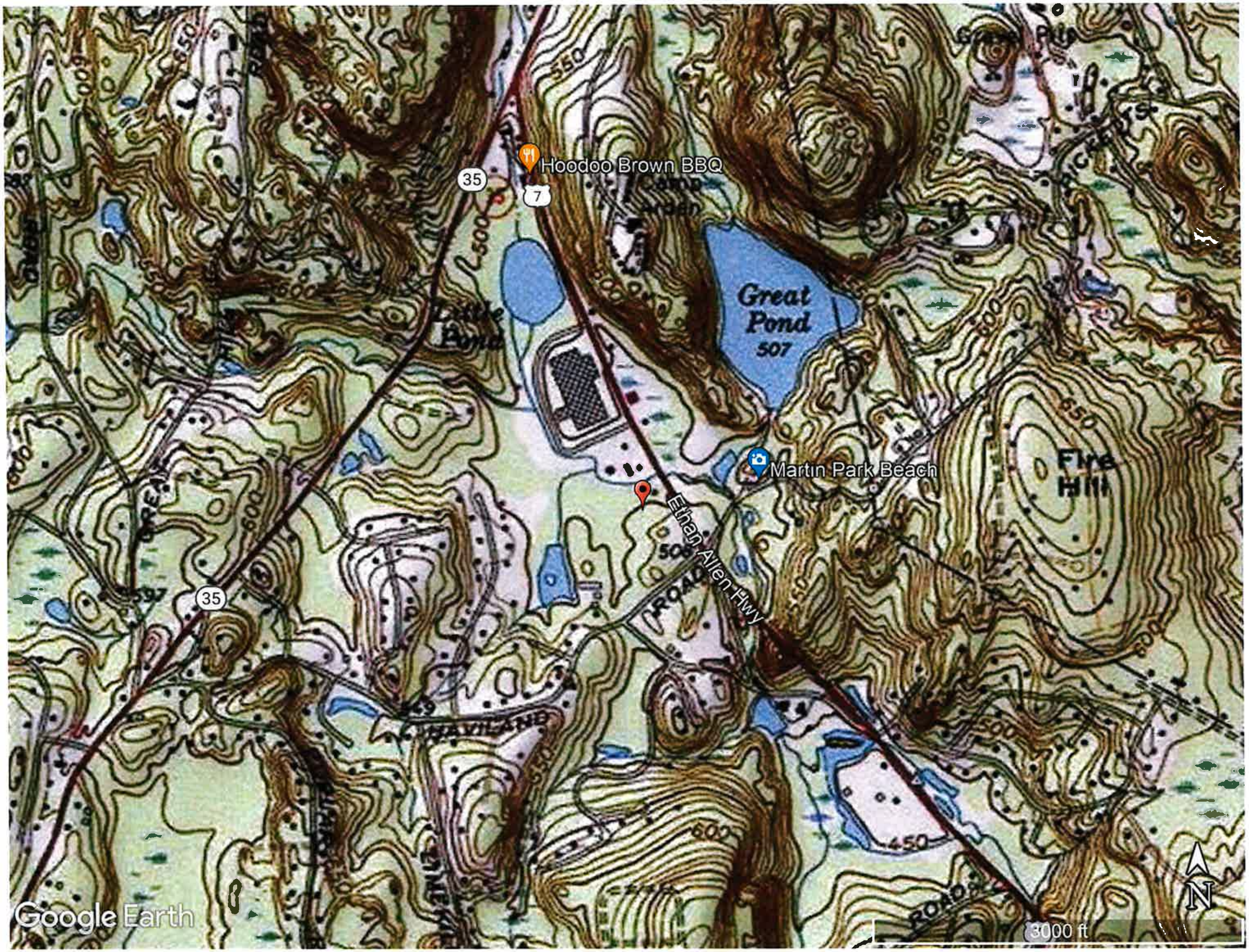
MARKING AND LIGHTING

FAA Advisory Circular 70/7460-1:

Marking and lighting is not required for this structure.

RECOMMENDATIONS

This site was evaluated in accordance with the requirements specified by the FAA under Federal Aviation Rules part 77, and found not to be a hazard to air navigation.


Hoodoo Brown BBQ
35
7
Great Pond
507
Little Pond
Martin Park Beach
Ethan Allen Hwy
ROAD
35
HAVILAND
Fire Hill
3000 ft
N
Google Earth

ATTACHMENT 8

Robinson+Cole

KENNETH C. BALDWIN

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

Also admitted in Massachusetts
and New York

December 1, 2022

Via Certificate of Mailing

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

Re: **Crown Castle and Cellco Partnership d/b/a Verizon Wireless – Petition for Declaratory Ruling Filed with the Connecticut Siting Council for the Modification of an Existing Telecommunications Facility at 845 Ethan Allen Highway, Ridgefield, Connecticut**

Dear First Selectman Marconi:

This firm represents the Crown Castle ("Crown") and Cellco Partnership d/b/a Verizon Wireless ("Cellco"). Today, Crown and Cellco filed a joint Petition for Declaratory Ruling ("Petition") with the Connecticut Siting Council ("Council") seeking approval to modify the existing wireless telecommunications facility at 845 Ethan Allen Highway in Ridgefield, Connecticut (the "Property"). The modifications involve the removal of the existing 100-foot flagpole tower and the installation of a new 110-foot monopole tower within an expanded facility compound. The new replacement tower would support antennas owned and operated by Sprint, AT&T, T-Mobile and Cellco. Equipment associated with Cellco's antennas would be located on the ground near the base of the tower within the expanded facility compound. Once construction of the new tower is complete, the existing 100-foot flagpole tower would be removed from the Property.

A copy of the full Petition is attached for your review. If you have any questions regarding this Petition, please contact me or the Siting Council directly at (860) 827-2935.

Sincerely,

Kenneth C. Baldwin

KCB/kmd
Attachment

Robinson+Cole

KENNETH C. BALDWIN

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

Also admitted in Massachusetts
and New York

December 1, 2022

Via Certificate of Mailing

Alice Dew
Planning and Zoning Director
Town of Ridgefield
66 Prospect Street
Ridgefield, CT 06877

Re: **Crown Castle and Cellco Partnership d/b/a Verizon Wireless – Petition for Declaratory Ruling Filed with the Connecticut Siting Council for the Modification of an Existing Telecommunications Facility at 845 Ethan Allen Highway, Ridgefield, Connecticut**

Dear Ms. Dew:

This firm represents the Crown Castle ("Crown") and Cellco Partnership d/b/a Verizon Wireless ("Cellco"). Today, Crown and Cellco filed a joint Petition for Declaratory Ruling ("Petition") with the Connecticut Siting Council ("Council") seeking approval to modify the existing wireless telecommunications facility at 845 Ethan Allen Highway in Ridgefield, Connecticut (the "Property"). The modifications involve the removal of the existing 100-foot flagpole tower and the installation of a new 110-foot monopole tower within an expanded facility compound. The new replacement tower would support antennas owned and operated by Sprint, AT&T, T-Mobile and Cellco. Equipment associated with Cellco's antennas would be located on the ground near the base of the tower within the expanded facility compound. Once construction of the new tower is complete, the existing 100-foot flagpole tower would be removed from the Property.

A copy of the full Petition is attached for your review. If you have any questions regarding this Petition, please contact me or the Siting Council directly at (860) 827-2935.

Sincerely,

Kenneth C. Baldwin

KCB/kmd
Attachment

Robinson+Cole

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Hartford, CT 06103-3597
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kbaldwin@rc.com
Direct (860) 275-8345

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and New York

December 1, 2022

Via Certificate of Mailing

Julia Pemberton, First Selectwoman
Town of Redding
100 Hill Road
P.O. Box 1028
Redding, CT 06875

Re: **Crown Castle and Cellco Partnership d/b/a Verizon Wireless – Petition for Declaratory Ruling Filed with the Connecticut Siting Council for the Modification of an Existing Telecommunications Facility at 845 Ethan Allen Highway, Ridgefield, Connecticut**

Dear First Selectwoman Pemberton:

This firm represents the Crown Castle ("Crown") and Cellco Partnership d/b/a Verizon Wireless ("Cellco"). Today, Crown and Cellco filed a joint Petition for Declaratory Ruling ("Petition") with the Connecticut Siting Council ("Council") seeking approval to modify the existing wireless telecommunications facility at 845 Ethan Allen Highway in Ridgefield, Connecticut (the "Property"). The modifications involve the removal of the existing 100-foot flagpole tower and the installation of a new 110-foot monopole tower within an expanded facility compound. The new replacement tower would support antennas owned and operated by Sprint, AT&T, T-Mobile and Cellco. Equipment associated with Cellco's antennas would be located on the ground near the base of the tower within the expanded facility compound. Once construction of the new tower is complete, the existing 100-foot flagpole tower would be removed from the Property.

A copy of the full Petition is attached for your review. You are receiving this notification because the facility is located within 2,500 feet of the Redding town boundary. If you have any questions regarding this Petition, please contact me or the Siting Council directly at (860) 827-2935.

Sincerely,

Kenneth C. Baldwin

KCB/kmd
Attachment

Robinson+Cole

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
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kbaldwin@rc.com
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and New York

December 1, 2022

Via Certificate of Mailing

Aimee Pardee, Land Use Director
Town of Redding
Old Town House, 23 Cross Highway
P.O. Box 1028
Redding, CT 06875

Re: **Crown Castle and Cellco Partnership d/b/a Verizon Wireless – Petition for Declaratory Ruling Filed with the Connecticut Siting Council for the Modification of an Existing Telecommunications Facility at 845 Ethan Allen Highway, Ridgefield, Connecticut**

Dear Mr. Barrett:

This firm represents the Crown Castle ("Crown") and Cellco Partnership d/b/a Verizon Wireless ("Cellco"). Today, Crown and Cellco filed a joint Petition for Declaratory Ruling ("Petition") with the Connecticut Siting Council ("Council") seeking approval to modify the existing wireless telecommunications facility at 845 Ethan Allen Highway in Ridgefield, Connecticut (the "Property"). The modifications involve the removal of the existing 100-foot flagpole tower and the installation of a new 110-foot monopole tower within an expanded facility compound. The new replacement tower would support antennas owned and operated by Sprint, AT&T, T-Mobile and Cellco. Equipment associated with Cellco's antennas would be located on the ground near the base of the tower within the expanded facility compound. Once construction of the new tower is complete, the existing 100-foot flagpole tower would be removed from the Property.

Robinson+Cole

A copy of the full Petition is attached for your review. You are receiving this notification because the facility is located within 2,500 feet of the Redding town boundary. If you have any questions regarding this Petition, please contact me or the Siting Council directly at (860) 827-2935.

Sincerely,

Kenneth C. Baldwin

KCB/kmd
Attachment

Robinson+Cole

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and New York

December 1, 2022

Via Certificate of Mailing

845 LLC
107 Lords Highway
Weston, CT 06883

Re: **Crown Castle and Cellco Partnership d/b/a Verizon Wireless – Petition for Declaratory Ruling Filed with the Connecticut Siting Council for the Modification of an Existing Telecommunications Facility at 845 Ethan Allen Highway, Ridgefield, Connecticut**

Dear Sir or Madam:

This firm represents the Crown Castle ("Crown") and Cellco Partnership d/b/a Verizon Wireless ("Cellco"). Today, Crown and Cellco filed a joint Petition for Declaratory Ruling ("Petition") with the Connecticut Siting Council ("Council") seeking approval to modify the existing wireless telecommunications facility at 845 Ethan Allen Highway in Ridgefield, Connecticut (the "Property"). The modifications involve the removal of the existing 100-foot flagpole tower and the installation of a new 110-foot monopole tower within an expanded facility compound. The new replacement tower would support antennas owned and operated by Sprint, AT&T, T-Mobile and Cellco. Equipment associated with Cellco's antennas would be located on the ground near the base of the tower within the expanded facility compound. Once construction of the new tower is complete, the existing 100-foot flagpole tower would be removed from the Property.

A copy of the full Petition is attached for your review. If you have any questions regarding this Petition, please contact me or the Siting Council directly at (860) 827-2935.

Sincerely,

Kenneth C. Baldwin

KCB/kmd
Attachment

ATTACHMENT 9

Robinson+Cole

KENNETH C. BALDWIN

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December 1, 2022

Via Certificate of Mailing

«Name_and_Address»

Re: **Petition for Declaratory Ruling Filed with the Connecticut Siting Council for the Modification of an Existing Telecommunications Facility at 845 Ethan Allen Highway, Ridgefield, Connecticut**

Dear «Salutation»:

This firm represents the Crown Castle ("Crown") and Cellco Partnership d/b/a Verizon Wireless ("Cellco"). Today, Crown and Cellco filed a joint Petition for Declaratory Ruling ("Petition") with the Connecticut Siting Council ("Council") seeking approval to modify the existing wireless telecommunications facility at 845 Ethan Allen Highway in Ridgefield, Connecticut (the "Property"). The modifications involve the removal of the existing 100-foot flagpole tower and the installation of a new 110-foot monopole tower within an expanded facility compound. The new replacement tower would support antennas owned and operated by Sprint, AT&T, T-Mobile and Cellco. Equipment associated with the Cellco's antennas would be located on the ground near the base of the tower within the expanded facility compound. Once construction of the new tower is complete, the existing 100-foot flagpole tower would be removed from the Property.

This notice is being sent to you because you are identified 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.

Sincerely,

Kenneth C. Baldwin

Attachment

CROWN CASTLE AND CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS

ABUTTING PROPERTY OWNERS

845 ETHAN ALLEN HIGHWAY
RIDGEFIELD, CONNECTICUT

	Property Address	Owner's and Mailing Address
1.	865 Ethan Allen Highway	Michael J. Venus 78 Harvey Road Ridgefield, CT 06877
2.	19 Great Pond Road	Town of Ridgefield 400 Main Street Ridgefield, CT 06877
3.	824 Ethan Allen Highway	824 Ethan Allen Highway LLC Of 824 Ethan Allen Highway Ridgefield, CT 06877
4.	Ethan Allen Highway	TGE of Ridgefield 336 Malletts Bay Avenue Colchester, VT 05446
5.	Ethan Allen Highway	TGE of Ridgefield 336 Malletts Bay Avenue Colchester, VT 05446
6.	Haviland Road	Town of Ridgefield 400 Main Street Ridgefield, CT 06877