Robinson+Cole

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and New York

January 2, 2025

Via Federal Express

Matthew T. Riiska, First Selectman
Town of Norfolk
19 Maple Avenue
Norfolk, CT 06058

Re: **Submission of Technical Information Concerning a Proposal to Construct a Wireless Telecommunications Facility at 78 Goshen East Street, Norfolk, Connecticut**

Dear Mr. Riiska:

This firm represents Tarpon Towers III, LLC ("Tarpon") and Cellco Partnership d/b/a Verizon Wireless ("Cellco"), in a proposal to construct a new wireless telecommunications facility in the westerly portion of a 40.8-acre parcel at 78 Goshen East Street in Norfolk, Connecticut (the "Property"). The Property is owned by Paul Chapinsky, Sr. and is used for residential purposes. Cellco identifies the proposed telecommunications facility as its "Norfolk South CT Facility".

Factual Background

In an effort to provide enhanced wireless service in portions of southern Norfolk and northern Goshen, Cellco is planning to install a new wireless telecommunications facility at the Property. This Technical Report is submitted pursuant to Connecticut General Statutes ("Conn. Gen. Stat.") § 16-50*l*(g), which establishes local input requirements for the siting of a wireless telecommunications facility under the exclusive jurisdiction of the Connecticut Siting Council (the "Council"). This statutory provision requires the submission of technical information to officials in the municipality where the proposed facility will be located and any municipality within 2,500 feet of the proposed facility location. There are no other Towns within 2,500 feet of the proposed facility.

Correspondence and/or communications regarding the information contained in this report should be addressed to:

Tarpon Towers III, LLC
8916 77th Terrace East, Suite 103
Lakewood Ranch, FL 34202
Attn: Brett Buggeln
President and Chief Operating Officer

Cellco Partnership d/b/a Verizon Wireless
20 Alexander Drive
Wallingford, CT 06492
Attn: Elizabeth Glidden
Network Real Estate

A copy of all such correspondence or communications should also be sent to Cellco's attorneys:

Robinson & Cole LLP
One State Street
Hartford, CT 06103
Attn: Kenneth C. Baldwin, Esq.

Cellco intends to submit an application to the Council for a Certificate for the construction, maintenance and operation of a new wireless telecommunications facility at the Property. The Norfolk South Facility will provide improved wireless service in the southern portions of Norfolk and northern portions of Goshen and will interact with Cellco's existing Goshen, Norfolk East, Norfolk West cell sites for traffic primarily moving along State Route 272. The Norfolk South Facility will also interact, to a lesser extent, with Cellco's existing Colebrook SW, Torrington North, Winchester and Torrington W cell sites. For orientation purposes, a Site Vicinity Map and Site Schematic are included in Attachment 1. Included in Attachment 2 are coverage plots in each of Cellco's operating frequencies (700 MHz; 850 MHz; 1900 MHz; 2100 MHz and (5G) 3600 MHz). These plots show Cellco's wireless service in the area around the Property from its existing cell sites and from its existing cell sites with the proposed coverage with the Norfolk South Facility.

Proposed Cell Site Information

Cellco proposes to construct a 186-foot lattice tower within a 75' x 75' leased area (73' x 73.5' fenced compound) in the western portion of the Property. Cellco would install antennas and remote radio heads on an antenna mounting structure at the top of the tower. Equipment and battery cabinets, a propane-fueled generator and 1000-gallon propane tank would be located on concrete pads in the fenced facility compound. Access to the proposed Norfolk South Facility would extend from Estey Road over a new gravel access driveway to the tower site a distance of approximately 940 feet. Utility and fiber optic service to the tower site would extend from existing service along Estey Road to a new utility pole installed on the Property then underground to the tower site along the access driveway extension. Included in Attachment 3 is a set of project plans for the proposed Norfolk South Facility.

Connecticut Siting Council Jurisdiction

Municipal jurisdiction over the siting of the proposed telecommunications facility described in this report is pre-empted by provisions of the Public Utilities Environmental Standards Act ("PUESA"), Conn. Gen. Stat. § 16-50g et seq. The PUESA gives exclusive jurisdiction over the location, type and modification of telecommunications towers, to the Council (Conn. Gen. Stat. § 16-50x(a); 16-50i(a)(6)). Accordingly, the telecommunications facility described in this report is exempt from the Town's land use (zoning and inland wetlands) regulations.

Upon receipt of an application, the Council will assign a docket number and, following a completeness review, set the schedule for the docket, including a hearing date. At that time, the Town of Norfolk may choose to become an intervenor or party in the proceeding. Other procedures followed by the Council include serving the applicant and other participants with interrogatories, holding a pre-hearing conference, and conducting a public hearing. Following the public hearing, the Council will issue findings of fact, an opinion and a decision and order. Prior to construction, the Council will also require the Applicant to submit a development and management plan ("D&M Plan") which is, in essence, a final site development plan showing the details of the facility, incorporating any conditions imposed by the Council. These procedures are also outside the scope of the Town's jurisdiction and are governed by the Connecticut General Statutes, the Regulations of Connecticut State Agencies, and the Council's Rules of Practice. If the Council approves the cell site described in this report, Cellco will submit to the Building Official an application for approval of a local building permit. Under Section 16-50x of the General Statutes, which provides for the exclusive jurisdiction of the Council, the building official must honor the Council's decision.

Municipal Consultation Process

Pursuant to Section 16-50*l* of the General Statutes, Town officials are entitled to receive technical information regarding the proposed telecommunications facility at least ninety (90) days prior to the filing of an application with the Council. This Technical Report is provided to the Town of Norfolk in accordance with these provisions and includes information on the need for improved reliable wireless service in the area; the location of existing wireless facilities in and around the area; details of the proposed facility; the location of alternative sites considered and rejected; the location of schools and commercial day care facilities in the area and the aesthetic impacts of the facility on those schools and day care facilities, if any; a description of the site selection process; and a discussion of potential environmental effects associated with the proposed facility.

Not later than sixty (60) days after the initial consultation meeting, the municipality may, in cooperation with Tarpon and Cellco, hold a public information hearing on the facility proposal. If such a hearing is held, the Applicant must notify all abutting landowners and publish notice of the hearing in a newspaper of general circulation in the municipality, at least fifteen (15) days prior to the hearing.

Not later than thirty (30) days after the initial consultation meeting, the municipality may present the prospective applicant with alternative sites, including municipal parcels, for its consideration. If not previously considered, these alternatives will be evaluated and discussed in its application to the Council.

Pursuant to Section 16-50*l*(e) of the General Statutes, Cellco must provide a summary of any comments and/or recommendations received to the Council within fifteen (15) days of the filing of an application.

Need for the Proposed Wireless Facility

The Norfolk South Facility is needed so that Cellco can provide enhanced wireless service (primary coverage) in southern portions of Norfolk and northern portions of Goshen including significant portions of Route 272 and local roads in the area around the Property. The proposed Norfolk South Facility will interact with Cellco's existing macro cell facilities identified on the coverage plots as Goshen, Norfolk East, Norfolk West, Torrington North, Colebrook SW, Winchester and Torrington West. (*See* Attachment 2). These existing facilities currently provide some level of wireless service in the area around the proposed Norfolk South Facility location. The Norfolk South Facility will also provide for some limited capacity relief to Cellco's surrounding cell sites.

Environmental Effects

In our experience, the primary impact of a wireless facility such as the proposed Norfolk South Facility is visual. The visual impact of the proposed Norfolk South Facility tower will vary from place to place around the site location, depending upon factors such as vegetation, topography, distance from the tower, and the location of buildings or other structures (utility infrastructure) in the sightline of the cell site.

To assess the visual impact of the Norfolk South Facility, Cellco's consultant, All-Points Technology Corporation ("APT") has prepared a Preliminary Visual Assessment for the proposed tower location. This preliminary assessment indicates that a majority of the year-round visibility of the proposed tower would include approximately 183 acres, or 2.3% of the two-mile radius study area, primarily from open water and marsh areas associated with North Pond to the south. The proposed tower may also be visible, through existing vegetation (so-called "seasonal visibility") from an additional 61 acres for a total of approximately 3% of the study area. A more detailed visual assessment, including photo simulations of the tower, is being prepared and will be included in the Application to the Council. (*See* Attachment 4).

Pursuant to the provisions of Conn. Gen. Stat. § 16-50p(a)(3)(G), new telecommunications facilities must be located at least 250 feet from buildings containing schools (defined in C.G.S. §10-154a) and commercial day care facilities (defined in C.G.S. §19a-77(a)(1)) unless the location

selected is acceptable to the Town's chief elected official or the Council finds that the facility will not have a substantial adverse effect on the aesthetics or scenic quality of the neighborhood where the school or commercial day care use is located. The proposed Norfolk South Facility is not located within 250 feet of any building containing a school or commercial day care facility.

Based on field surveys, Cellco has determined that the construction of the Norfolk South Facility will have no direct impact on inland wetlands or watercourses, near the tower compound. Cellco anticipates that all other physical environmental effects associated with the proposed facility would be minimal.

Radio Frequency Emissions

The Federal Communications Commission ("FCC") has adopted a standard (the "Standard") for exposure of radio frequency ("RF") emissions from telecommunications base stations like the Norfolk South Facility. To ensure compliance with the Standard, Cellco has prepared a Far Field RF emissions calculation for the proposed facility according to the methodology described in FCC Office of Science and Technology Bulletin No. 65 ("OST Bulletin 65"). The calculated Far Field RF emissions level for the proposed 186-foot tower would be 4.7% of the FCC Standard. (*See* Attachment 5).

Scenic Natural Historic or Recreational Impacts

To further assess the environmental impacts of the proposed facility, Tarpon and Cellco will be working with its consultant team to prepare a National Environmental Policy Act ("NEPA") Environmental Screening Checklist (the "NEPA Checklist") and other related environmental reviews to determine if the facility will have any significant adverse environmental effects. The NEPA Checklist will include information from the Environmental and Geographic Information Center of the Connecticut Department of Energy and Environmental Protection ("DEEP"), the U.S. Fish and Wildlife Service ("USFWS") and the State Historic Preservation Officer ("SHPO"). Copies of the DEEP, USFWS and the SHPO determinations will also be submitted as a part of the Council's Certificate Application.

Site Search Process

Tarpon and Cellco conducted a search for suitable cell sites in southern Norfolk and identified the Property as a site that would satisfy Cellco's wireless service objectives in the area. In addition, Cellco and Tarpon investigated twelve (12) other locations in the area. (*See* Attachment 6.)

Tower Sharing

As stated above, Cellco intends to build a tower that is capable of supporting its antennas and those of other wireless telecommunications providers, the Town of Norfolk, and emergency service

providers, if a need exists. The provision to share the tower is consistent with the intent of the General Assembly when it adopted Conn. Gen. Stat. § 16-50aa and with Council policy. The availability of space on the proposed tower may reduce, if not eliminate, the need for additional towers in the area for the foreseeable future.

Conclusion

This Technical Report is submitted in accordance with Conn. Gen. Stat. § 16-50*l* which requires Cellco to supply the Town of Norfolk with information regarding its proposed Norfolk South Facility. This report includes information regarding the site selection process, public need, and the potential environmental impacts of the facility. Cellco submits that its proposed Norfolk South Facility would not have any significant adverse environmental effects. Moreover, Cellco submits that the public need for high quality wireless service, and a competitive framework for providing such service has been determined by the FCC to be in the public interest and that such public need far outweighs any perceived environmental effects of the proposed facility.

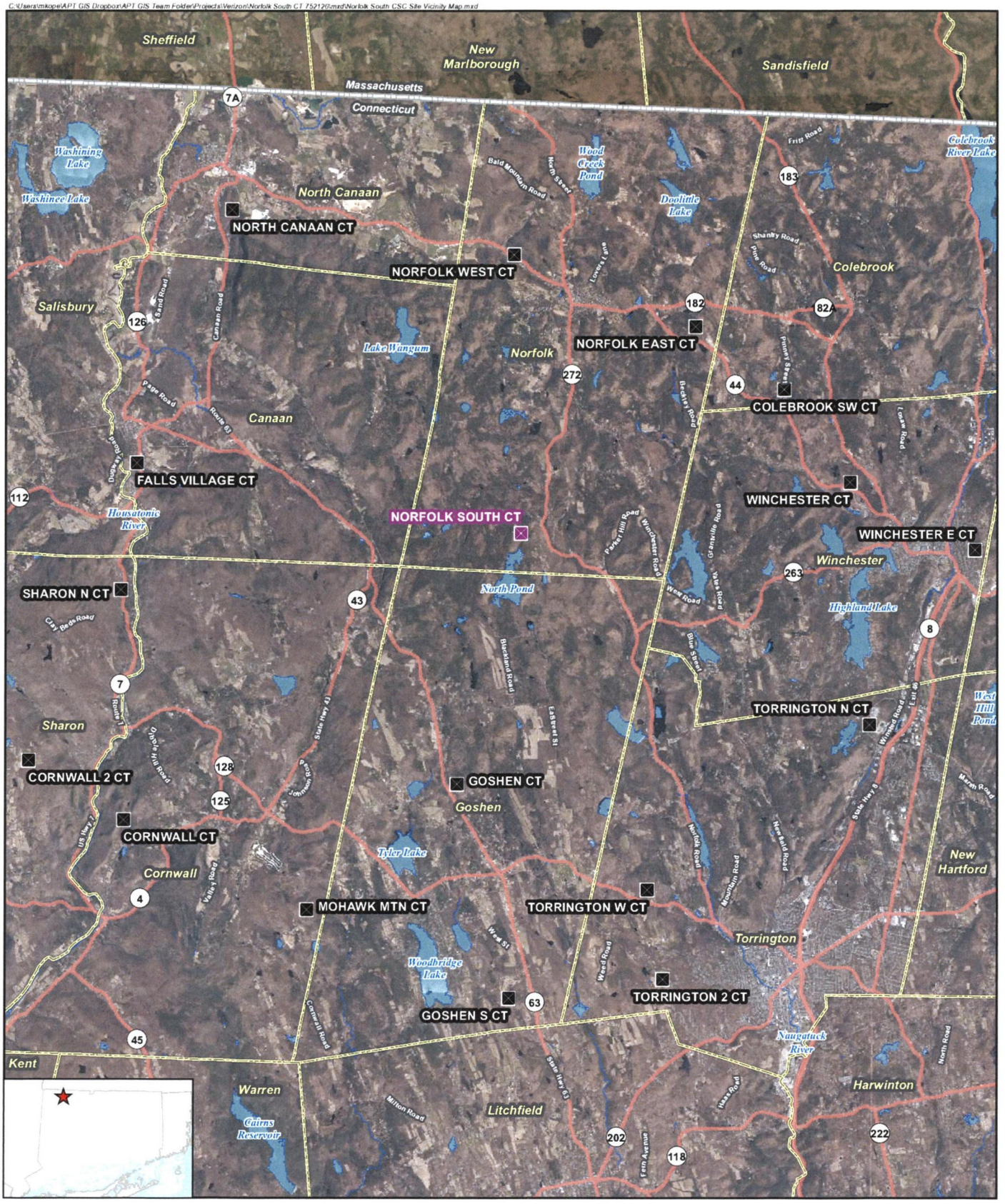
Please contact me if you have any additional questions regarding the proposed facility.

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Christopher Schaut, Acting Chair, Norfolk Planning & Zoning Commission
Hartley Mead, Chair, Norfolk Inland Wetlands Agency
Stacey Sefcik, Zoning Enforcement Officer
Brett Buggeln, Tarpon Towers
Elizabeth Glidden, Verizon Wireless
Mark Brauer, Verizon Wireless
Amy White, Smartlink

ATTACHMENT 1



Legend

- Proposed Verizon Wireless Facility
- Surrounding Verizon Wireless Facilities
- Municipal Boundary
- State Line

Base Map Source: 2023 Aerial Photograph (CTECO) and 2019 MassGIS Imagery
Map Scale:1 inch = 13,000 feet
Map Date: December 2024

N

13,000 6,500 0 13,000 Feet

Site Vicinity Map

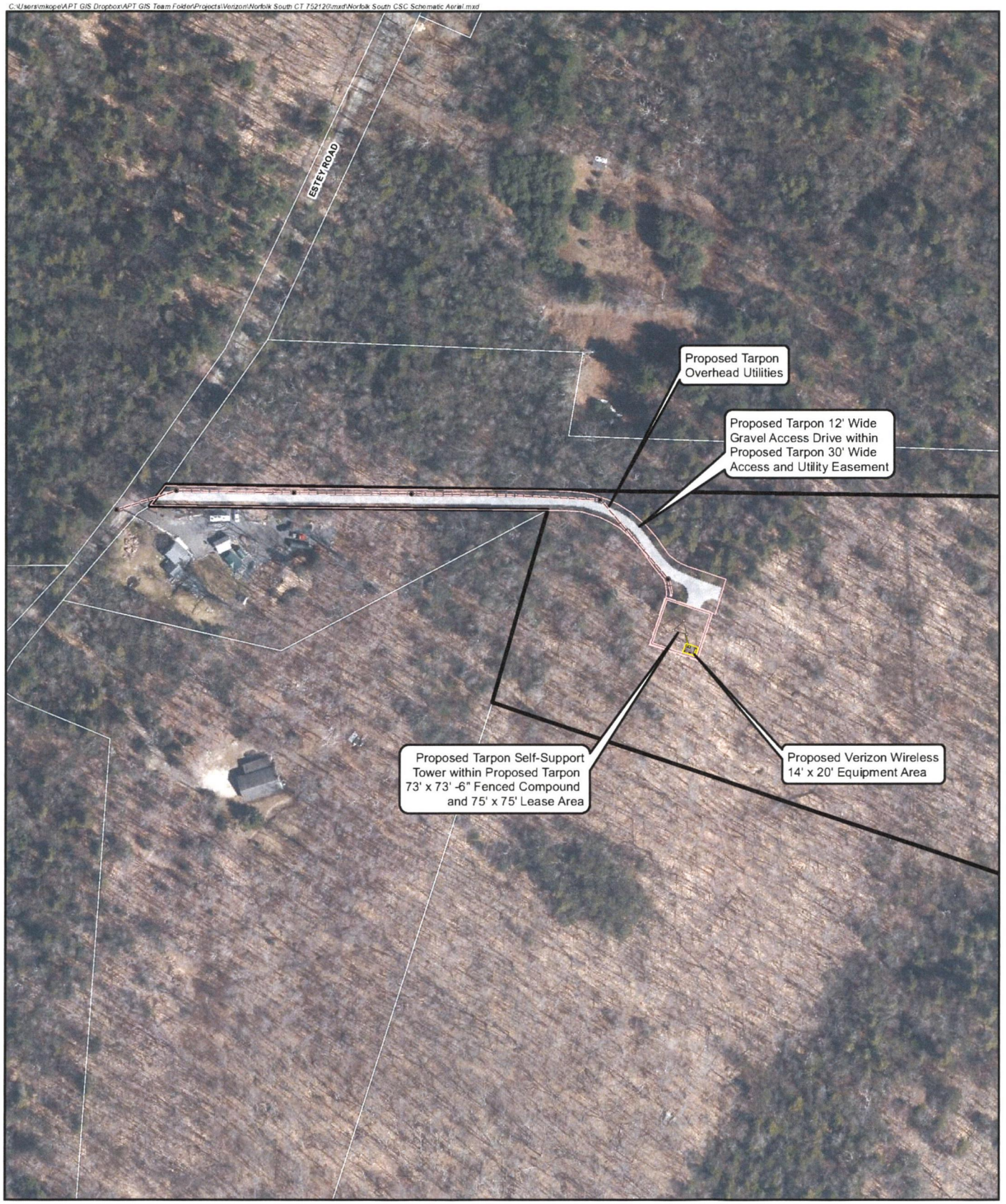
Proposed Wireless Telecommunications Facility
Norfolk South CT
78 Goshen East Street
Norfolk, Connecticut

verizon

ALL-POINTS TECHNOLOGY CORPORATION

Attachment 1

C:\Users\mkope\APT GIS Dropbox\APT GIS Team Folder\Projects\Verizon\Norfolk South CT 752120\mxd\Norfolk South CSC Schematic Aerial.mxd



Legend

- Proposed Tarpon Lease Area
- Proposed Tarpon Compound
- Proposed Tarpon Overhead Utilities
- Proposed Tarpon Utility Pole
- Existing Utility Pole (By Others)
- Proposed Verizon Wirelss Equipment
- Subject Property
- Approximate Parcel Boundary

N

200 100 0 200 Feet

Map Notes:
Base Map Source: 2023 CT ECO Imagery
Map Scale:1 inch = 200 feet
Map Date: December 2024

Site Schematic

Proposed Wireless
Telecommunications Facility
Norfolk South CT
78 Goshen East Street
Norfolk, Connecticut

verizon

ALL-POINTS TECHNOLOGY CORPORATION

ATTACHMENT 2

Existing Verizon Wireless 700 MHz Coverage
Norfolk, Connecticut and Surrounding Area
(*Map Scale is 1:45,000)

NORTH CANAAN CT
NORTH CANAAN
NORFOLK WEST CT
NORFOLK EAST CT
COLEBROOK
HARTLAND
SALISBURY
CANAAN
COLEBROOK SW CT
NORFOLK
FALLS VILLAGE CT
WINCHESTER CT
WINCHESTER
WINCHESTER E CT
BARKHAMSTED
NORFOLK SOUTH CT
SHARON N CT
TORRINGTON N CT
SHARON
CORNWALL 2 CT
GOSHEN CT
GOSHEN
CORNWALL CT
CORNWALL
NEW HARTFORD
TORRINGTON
TORRINGTON W CT
MOHAWK MTN CT
TORRINGTON 2 CT
GOSHEN S CT
HARWINTON
LITCHFIELD
BURLINGTON

Housatonic State Forest
Mohawk State Forest
Paugnut State Forest

Legend

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

verizon

ALL-POINTS TECHNOLOGY CORPORATION

Map Notes:
This map was prepared at a map scale of 1:45,000 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 1 2 Miles

Existing and Proposed Verizon Wireless 700 MHz Coverage
Norfolk, Connecticut and Surrounding Area
(*Map Scale is 1:45,000)

NORTH CANAAN CT
NORTH CANAAN
NORFOLK WEST CT
NORFOLK EAST CT
COLEBROOK
HARTLAND
SALISBURY
CANAAN
COLEBROOK SW CT
NORFOLK
FALLS VILLAGE CT
WINCHESTER CT
WINCHESTER
WINCHESTER E CT
BARKHAMSTED
NORFOLK SOUTH CT
SHARON N CT
TORRINGTON N CT
SHARON
CORNWALL 2 CT
GOSHEN
GOSHEN CT
CORNWALL CT
CORNWALL
NEW HARTFORD
TORRINGTON
TORRINGTON W CT
MOHAWK MTN CT
TORRINGTON 2 CT
GOSHEN S CT
LITCHFIELD
HARWINTON
BURLINGTON

Housatonic State Forest
Paugnut State Forest
Mohawk State Forest

Legend

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

verizon

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0 1 2 Miles

Map Notes:
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Base map: ESRI Shaded Relief

Existing Verizon Wireless 850 MHz Coverage
Norfolk, Connecticut and Surrounding Area
(*Map Scale is 1:45,000)

NORTH CANAAN CT
NORTH CANAAN
NORFOLK WEST CT
NORFOLK EAST CT
COLEBROOK
HARTLAND
SALISBURY
CANAAN
COLEBROOK SW CT
NORFOLK
FALLS VILLAGE CT
WINCHESTER CT
WINCHESTER
WINCHESTER E CT
BARKHAMSTED
NORFOLK SOUTH CT
SHARON N CT
Housatonic State Forest
SHARON
CORNWALL 2 CT
CORNWALL CT
CORNWALL
GOSHEN CT
GOSHEN
TORRINGTON N CT
Paugnut State Forest
MOHAVK MTN CT
Mohawk State Forest
TORRINGTON W CT
TORRINGTON
NEW HARTFORD
GOSHEN S CT
TORRINGTON 2 CT
LITCHFIELD
HARWINTON
BURLINGTON

Legend

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

verizon

ALL-POINTS TECHNOLOGY CORPORATION

0 1 2 Miles

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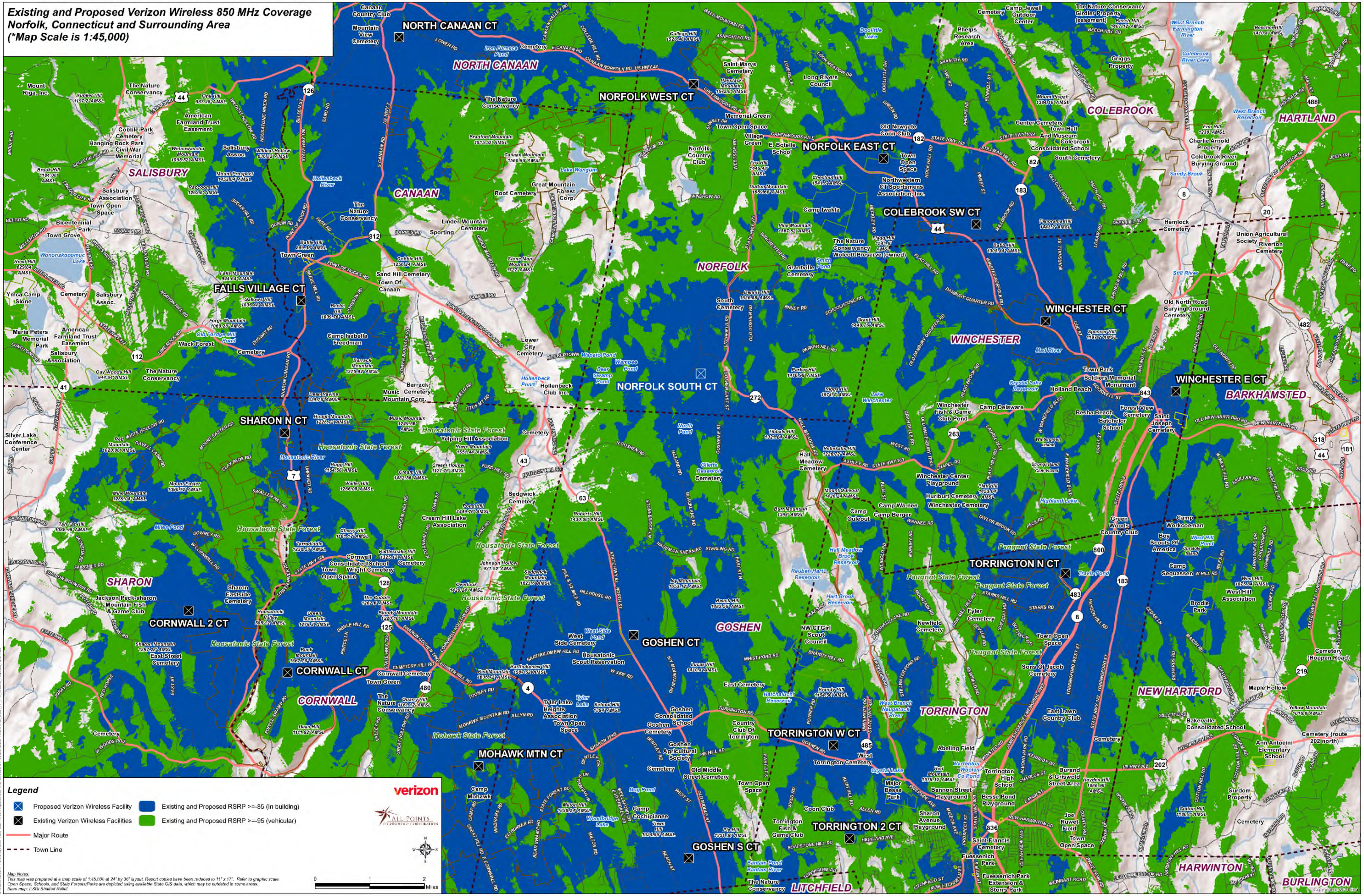
Base map: ESRI Shaded Relief



Existing and Proposed Verizon Wireless 850 MHz Coverage
Norfolk, Connecticut and Surrounding Area
(*Map Scale is 1:45,000)
NORTH CANAAN CT
NORFOLK WEST CT
NORFOLK EAST CT
COLEBROOK SW CT
FALLS VILLAGE CT
WINCHESTER CT
NORFOLK SOUTH CT
WINCHESTER E CT
SHARON N CT
TORRINGTON N CT
CORNWALL 2 CT
GOSHEN CT
CORNWALL CT
TORRINGTON W CT
MOHAWK MTN CT
TORRINGTON 2 CT
GOSHEN S CT
NORTH CANAAN
COLEBROOK
HARTLAND
SALISBURY
CANAAN
NORFOLK
WINCHESTER
BARKHAMSTED
SHARON
GOSHEN
NEW HARTFORD
CORNWALL
TORRINGTON
HARWINTON
LITCHFIELD
BURLINGTON
Legend
Proposed Verizon Wireless Facility
Existing Verizon Wireless Facilities
Major Route
Town Line
Existing and Proposed RSRP >=-85 (in building)
Existing and Proposed RSRP >=-95 (vehicular)
verizon
ALL-POINTS TECHNOLOGY CORPORATION
Miles

Existing Verizon Wireless 1900 MHz Coverage
Norfolk, Connecticut and Surrounding Area
(*Map Scale is 1:45,000)

NORTH CANAAN CT
NORTH CANAAN
NORFOLK WEST CT
NORFOLK EAST CT
COLEBROOK
HARTLAND
SALISBURY
CANAAN
COLEBROOK SW CT
NORFOLK
FALLS VILLAGE CT
WINCHESTER CT
WINCHESTER
WINCHESTER E CT
BARKHAMSTED
NORFOLK SOUTH CT
SHARON N CT
Housatonic State Forest
Paugnut State Forest
TORRINGTON N CT
SHARON
CORNWALL 2 CT
CORNWALL CT
GOSHEN CT
GOSHEN
NEW HARTFORD
TORRINGTON
MOHAWK MTN CT
Mohawk State Forest
TORRINGTON W CT
TORRINGTON 2 CT
GOSHEN S CT
LITCHFIELD
HARWINTON
BURLINGTON

Legend

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

verizon

ALL-POINTS TECHNOLOGY CORPORATION

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0 1 2 Miles

Existing and Proposed Verizon Wireless 1900 MHz Coverage
Norfolk, Connecticut and Surrounding Area
(*Map Scale is 1:45,000)

NORTH CANAAN CT
NORTH CANAAN
NORFOLK WEST CT
NORFOLK EAST CT
COLEBROOK
HARTLAND
SALISBURY
CANAAN
COLEBROOK SW CT
NORFOLK
FALLS VILLAGE CT
WINCHESTER CT
WINCHESTER
WINCHESTER E CT
BARKHAMSTED
NORFOLK SOUTH CT
SHARON N CT
Housatonic State Forest
TORRINGTON N CT
Paugnut State Forest
SHARON
CORNWALL 2 CT
GOSHEN
GOSHEN CT
CORNWALL CT
CORNWALL
NEW HARTFORD
TORRINGTON
MOHAWK MTN CT
Mohawk State Forest
TORRINGTON W CT
TORRINGTON 2 CT
GOSHEN S CT
HARWINTON
LITCHFIELD
BURLINGTON

Legend

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

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0 1 2 Miles

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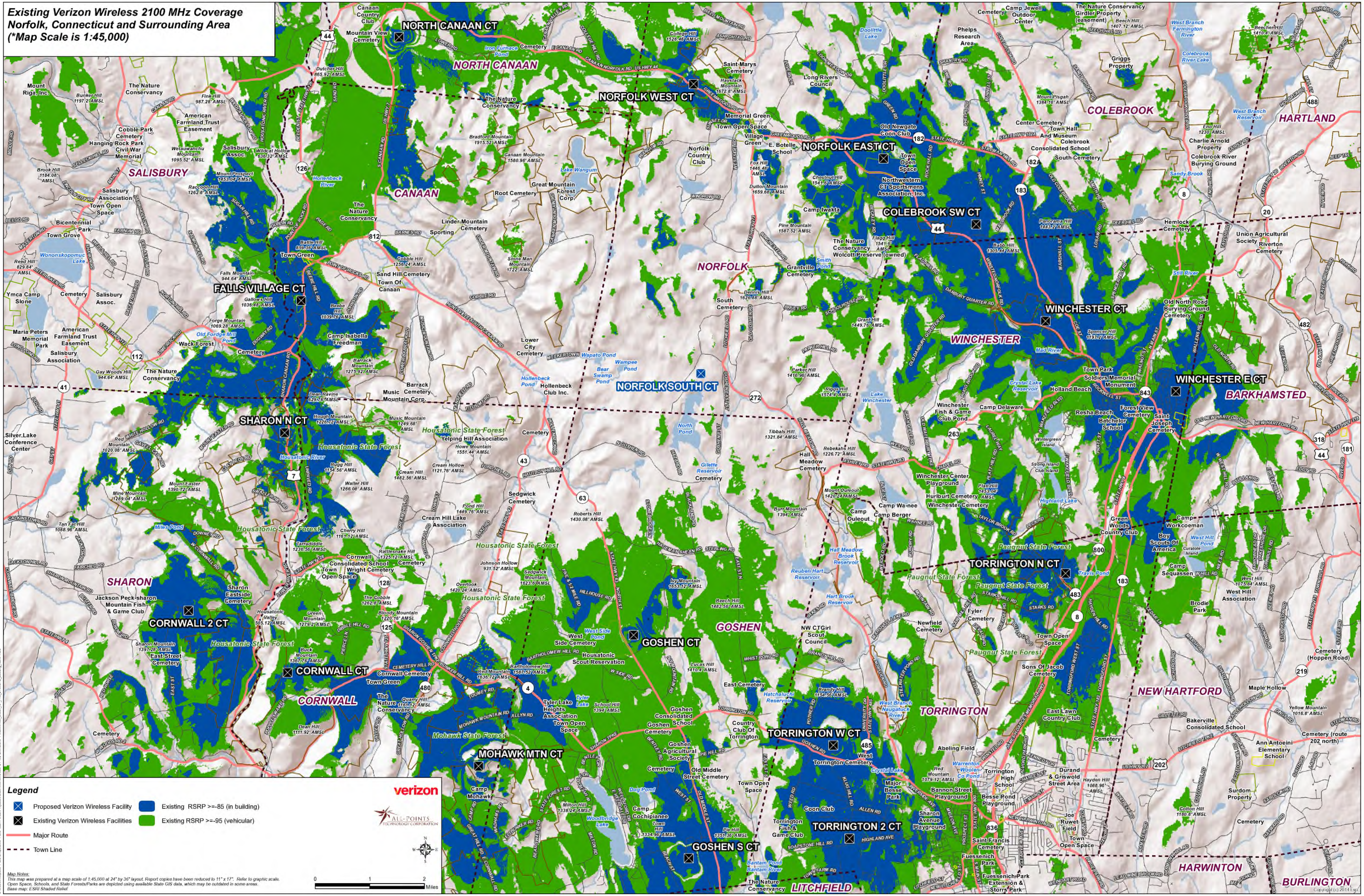

Existing Verizon Wireless 2100 MHz Coverage
Norfolk, Connecticut and Surrounding Area
(*Map Scale is 1:45,000)
NORTH CANAAN CT
NORFOLK WEST CT
NORFOLK EAST CT
COLEBROOK SW CT
FALLS VILLAGE CT
WINCHESTER CT
WINCHESTER E CT
NORFOLK SOUTH CT
SHARON N CT
TORRINGTON N CT
CORNWALL 2 CT
GOSHEN CT
CORNWALL CT
TORRINGTON W CT
MOHAWK MTN CT
TORRINGTON 2 CT
GOSHEN S CT
NORTH CANAAN
CANAAN
SALISBURY
COLEBROOK
HARTLAND
NORFOLK
WINCHESTER
BARKHAMSTED
SHARON
GOSHEN
CORNWALL
TORRINGTON
NEW HARTFORD
HARWINTON
LITCHFIELD
BURLINGTON
Legend
Proposed Verizon Wireless Facility
Existing Verizon Wireless Facilities
Major Route
Town Line
Existing RSRP >=-85 (in building)
Existing RSRP >=-95 (vehicular)
verizon
ALL-POINTS TECHNOLOGY CORPORATION
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Base map: ESRI Shaded Relief
0 1 2 Miles

Existing and Proposed Verizon Wireless 2100 MHz Coverage
Norfolk, Connecticut and Surrounding Area
(*Map Scale is 1:45,000)

NORTH CANAAN CT
NORTH CANAAN
NORFOLK WEST CT
NORFOLK EAST CT
COLEBROOK
HARTLAND
SALISBURY
CANAAN
COLEBROOK SW CT
NORFOLK
FALLS VILLAGE CT
WINCHESTER CT
WINCHESTER
NORFOLK SOUTH CT
WINCHESTER E CT
BARKHAMSTED
SHARON N CT
Housatonic State Forest
SHARON
CORNWALL 2 CT
GOSHEN
GOSHEN CT
CORNWALL CT
CORNWALL
TORRINGTON N CT
Paugnut State Forest
NEW HARTFORD
TORRINGTON
TORRINGTON W CT
MOHAWK MTN CT
Mohawk State Forest
TORRINGTON 2 CT
GOSHEN S CT
HARWINTON
LITCHFIELD
BURLINGTON

Legend

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

verizon

ALL-POINTS TECHNOLOGY CORPORATION

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Base map: ESRI Shaded Relief

0 1 2 Miles

Existing Verizon Wireless 5G Coverage
Norfolk, Connecticut and Surrounding Area
(*Map Scale is 1:45,000)

Legend

☒	Proposed Verizon Wireless Facility
☒	Existing Verizon Wireless Facilities
▬	Major Route
- - -	Town Line
🟦	Existing RSRP >=-85 (in building)
🟩	Existing RSRP >=-95 (vehicular)

verizon

ALL-POINTS TECHNOLOGY CORPORATION

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Base map: ESRI Shaded Relief

Existing and Proposed Verizon Wireless 5G Coverage
Norfolk, Connecticut and Surrounding Area
(*Map Scale is 1:45,000)

NORTH CANAAN CT
NORTH CANAAN
NORFOLK WEST CT
SALISBURY
CANAAN
NORFOLK EAST CT
COLEBROOK
HARTLAND
COLEBROOK SW CT
NORFOLK
FALLS VILLAGE CT
WINCHESTER CT
WINCHESTER
NORFOLK SOUTH CT
WINCHESTER E CT
BARKHAMSTED
SHARON N CT
SHARON
CORNWALL 2 CT
CORNWALL CT
CORNWALL
GOSHEN CT
GOSHEN
TORRINGTON N CT
NEW HARTFORD
TORRINGTON
TORRINGTON W CT
MOHAWK MTN CT
TORRINGTON 2 CT
GOSHEN S CT
LITCHFIELD
HARWINTON
BURLINGTON

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

verizon

ALL-POINTS TECHNOLOGY CORPORATION

Map Notes:
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Open Spaces, 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 1 2 Miles

ATTACHMENT 3

TARPON TOWERS

TARPON TOWERS II, LLC
SITE NAME: NORFOLK SOUTH CT/ CHAPINSKY RL
SITE NUMBER: CT1238
ADDRESS: 78 GOSHEN EAST STREET NORFOLK, CT 06058

PERMITTING

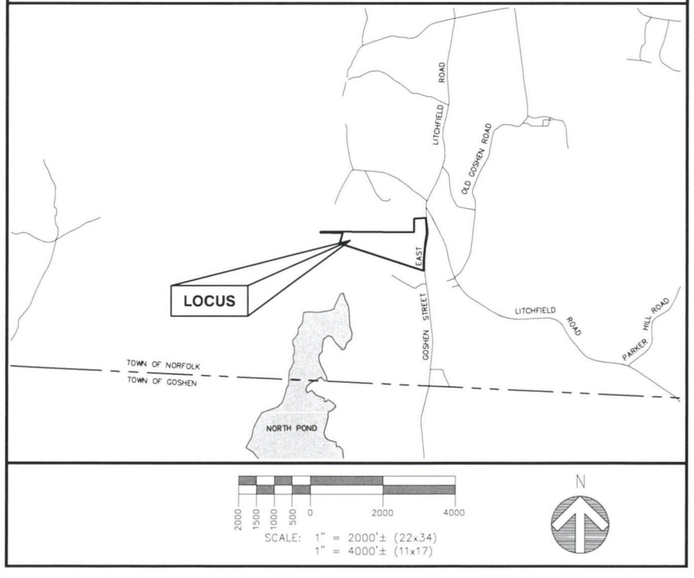
DRAWING INDEX

SHEET	DESCRIPTION	REVISION
T-1	TITLE SHEET	0
C-1	ABUTTERS PLAN	A
C-2	EXISTING CONDITIONS	A
A-1	COMPILED PLOT PLAN	0
A-2	COMPOUND PLAN & ELEVATION	0

GENERAL NOTES

1. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER & TARPON TOWERS II, LLC REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.
2. PLANS FOR PERMITTING PURPOSES ONLY. NOT FOR CONSTRUCTION.
3. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH TARPON TOWERS II, LLC CONSTRUCTION GUIDELINES.
4. ALL UNDERGROUND UTILITY INFORMATION WAS DETERMINED FROM SURFACE INVESTIGATIONS AND EXISTING PLANS OF RECORD. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY SITE WORK. CALL THE FOLLOWING FOR ALL PRE-CONSTRUCTION NOTIFICATION 72-HOURS PRIOR TO ANY EXCAVATION ACTIVITY: CALL BEFORE YOU DIG 1-800-922-4455.
5. THIS SHEET SET WAS ORIGINALLY PRINTED TO ANSI D (22"x34") WITH 1" MARGINS. PRINTING TO ANSI B (11"x17") WILL RESULT IN A HALF-SCALE (1:2) SHEET SET WITH 1/2" MARGINS. CONFIRM ALL SCALED DISTANCES WITH GRAPHICAL SCALES SHOWN HEREIN.
6. NEW CONSTRUCTION WILL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES:
   BUILDING CODE: 2022 CONNECTICUT STATE BUILDING CODE (IBC 2021) AND AMENDMENTS
   ELECTRICAL CODE: NEC 2020 WITH CONNECTICUT AMENDMENTS

VICINITY MAP



ANCHOR TENANT INFORMATION

verizon

SITE NAME: NORFOLK SOUTH CT
MDG LOCATION ID: 50009410J4
FUZE PROJECT ID: 15322899
78 GOSHEN EAST STREET

CELLCO PARTNERSHIP
dba VERIZON WIRELESS
51 ALDER STREET
MEDWAY, MA 02023

PROJECT INFORMATION

SITE TYPE:	RAW LAND
SCOPE OF WORK:	PROPOSED 186' TALL SELF-SUPPORT WITHIN 73'x73' FENCED COMPOUND AND 75'x75' LEASE AREA.
SITE NAME:	NORFOLK SOUTH CT/ CHAPINSKY RL
SITE NUMBER:	CT1238
SITE ADDRESS:	78 GOSHEN EAST STREET NORFOLK, CT 06058
ASSESSOR'S TAX ID#:	7-04-17
ZONING DISTRICT:	RURAL RESIDENTIAL (RR)
LATITUDE:	41° 55' 33.08"± N (RECORD 1A)
LONGITUDE:	73° 13' 06.02"± W (RECORD 1A)
(P) GRADE:	1499.1'±
DATUM:	NAD83/NAVD88
PROPERTY OWNER:	N/F PAUL CHAPINSKY, SR. 78 GOSHEN EAST STREET NORFOLK, CT 06058
TOWER OWNER:	TARPON TOWERS II, LLC 1001 3RD AVENUE WEST SUITE 420 BRADENTON, FL 34205
SITE ENGINEER:	PROTERRA DESIGN GROUP, LLC 4 BAY ROAD BLDG A; SUITE 200 HADLEY, MA 01035 (413) 320-4918
SURVEYOR:	NORTHEAST SURVEY CONSULTANTS 3 FERRY STREET STUDIO 1 EAST EASTHAMPTON, MA 01027 (413) 203-5144
WETLAND SCIENTIST:	ALL-POINTS TECHNOLOGY GROUP 567 VAUXHALL STREET EXTENSION SUITE 311 WATERFORD, CT 06385

ProTerra DESIGN GROUP, LLC
4 Bay Road
Building A; Suite 200
Hadley, MA 01035
Ph: (413)320-4918

CONSULTANTS:

NO.	DATE	REVISIONS
A	10/15/24	ISSUED FOR REVIEW
0	12/16/24	ISSUED FOR PERMITTING

TITLE: SITE NAME: NORFOLK SOUTH CT/ CHAPINSKY RL
SITE NUMBER: CT1238
ADDRESS: 78 GOSHEN EAST STREET
NORFOLK, CT 06058

APPLICANT: TARPON TOWERS II, LLC
1001 3RD AVENUE WEST
SUITE 420
BRADENTON, FL 34205

STAMP:

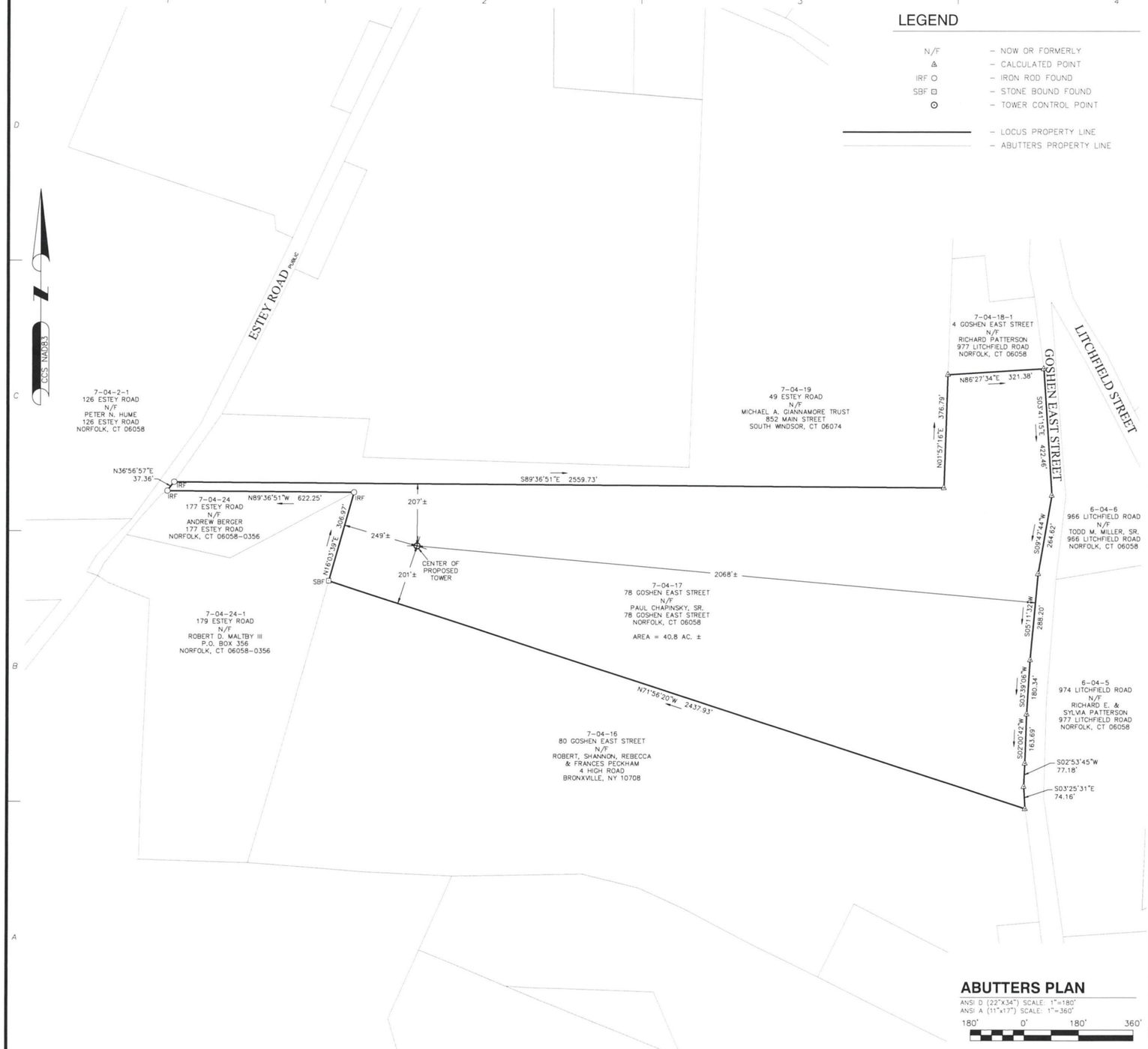
DATE: 12/16/2024
DRAWN: JEB
CHECK: JMM/TEJ
SCALE: SEE PLAN
JOB NO.: 22-031

SHEET TITLE:

TITLE SHEET

T-1

Attachment 4



LEGEND

N/F	– NOW OR FORMERLY
◬	– CALCULATED POINT
IRF ○	– IRON ROD FOUND
SBF □	– STONE BOUND FOUND
⊙	– TOWER CONTROL POINT
———	– LOCUS PROPERTY LINE
———	– ABUTTERS PROPERTY LINE

ABUTTERS PLAN

ANSI D (22"X34") SCALE: 1"=180'
ANSI A (11"x17") SCALE: 1"=360'

180' 0' 180' 360'

FAA 1-A CERTIFICATION

I HEREBY CERTIFY THAT THE LATITUDE, LONGITUDE, AND ELEVATION PRESENTED HEREON MEET THE REQUIREMENTS OF THE FAA WITH THE FOLLOWING ACCURACIES:

THREE (3) FEET VERTICALLY
TWENTY (20) FEET HORIZONTALLY

CHARLES G. GIDMAN, P.L.S. #70103 — 10-15-2024 DATE

SURVEY NOTES

1. SITE DETAIL SHOWN ON THIS SURVEY IS BASED ON FIELD DATA COLLECTED ON 9-3-2024 & 10-1-2024. BOUNDARY INFORMATION IS COMPILED FROM RECORD DOCUMENTS AND IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD BOUNDARY SURVEY, AND IS SUBJECT TO CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE.
2. THE PURPOSE OF THIS SURVEY IS TO SUPPORT THE DESIGN AND CONSTRUCTION OF A TELECOMMUNICATION FACILITY. USE OF THIS SURVEY BY ANYONE OTHER THAN TARPON TOWERS III, LLC, AND USE OF THIS SURVEY FOR ANY PURPOSE NOT RELATED TO THE DESIGN OF THE INTENDED FACILITY IS STRICTLY PROHIBITED.
3. PROPERTY LINES AND BOUNDARY DIMENSIONS SHOWN ON THIS SURVEY ARE BASED ON A COMPILATION OF RECORDED DEEDS AND ARE NOT INTENDED TO REPRESENT DEFINITIVE BOUNDARY LINES OR BE USED FOR THE PURPOSES OF CONVEYANCE. PROPERTY RELATED INFORMATION HAS NOT BEEN CONFIRMED BY FIELD SURVEY OBSERVATIONS AND NO ASSESSMENT OF LAND OCCUPATION HAS BEEN CONDUCTED IN THE PREPARATION OF THIS SURVEY. A PROPERTY LINE RETRACEMENT SURVEY HAS NOT BEEN CONDUCTED.
4. THE PROPERTY LINES SHOWN ON THIS PLAN ARE THE LINES DIVIDING EXISTING OWNERSHIP'S, AND THE LINES OF STREETS AND WAYS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED, AND NO NEW LINES FOR DIVISION OF EXISTING OWNERSHIP OR FOR NEW WAYS ARE SHOWN.
5. PRIMARY GEODETIC SURVEY CONTROL WAS ESTABLISHED FROM AN ON THE GROUND SURVEY USING THE GLOBAL POSITIONING SYSTEM (GPS) ON 9-3-2024. THE GRID COORDINATES ARE BASED ON THE CONNECTICUT STATE PLANE COORDINATE SYSTEM OF 1983 (2011). ELEVATIONS SHOWN ARE ASSUMED AND ARE APPROXIMATED TO THE NAVD 88 VERTICAL DATUM. VERTICAL AND HORIZONTAL INFORMATION SHOWN MEETS THE STANDARD CRITERIA FOR AN FAA 1A CERTIFICATION (20'± HORIZONTAL AND 3'± VERTICAL).
6. IN THE EVENT THAT BENCHMARKS (TBM'S), ESTABLISHED FOR THIS PROJECT AND PUBLISHED ON THIS SURVEY, ARE DESTROYED, NOT RECOVERABLE OR A DISCREPANCY IS FOUND, THE USER SHOULD NOTIFY THIS FIRM IN WRITING PRIOR TO COMMENCING OR CONTINUING ANY WORK.
7. THE LOCUS PARCEL IS IDENTIFIED AS 7-04-17 IN THE TOWN OF NORFOLK TAX ASSESSOR'S DATABASE.
8. THE PROJECT AREA IS LOCATED IN FLOOD ZONE "X" (NO SHADING) (AREAS OF MINIMAL FLOOD HAZARD) ACCORDING TO FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 090181 0015 A, DATED 12/3/1987.
9. ALL UNDERGROUND UTILITY INFORMATION WAS DETERMINED FROM SURFACE INVESTIGATIONS AND EXISTING PLANS OF RECORD. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY SITE WORK. CALL THE FOLLOWING FOR ALL PRE-CONSTRUCTION NOTIFICATION 72-HOURS PRIOR TO ANY EXCAVATION ACTIVITY: CALL BEFORE YOU DIG 1-800-922-4455
10. WETLANDS SHOWN HEREON WERE DELINEATED BY ALL-POINTS TECHNOLOGY CORPORATION IN JULY 2024.

PROPERTY OWNER:	PAUL CHAPINSKY, SR. 78 GOSHEN EAST STREET NORFOLK, CT 06058
LOCUS DEED REFERENCE:	BOOK 85 PAGE 725
PLAN REFERENCES:	PLAN #839, PLAN #840, PLAN #1051

THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300B-1 THROUGH 20-300B-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. ON SEPTEMBER 26, 1997.

TYPE OF SURVEY: IMPROVEMENT LOCATION SURVEY

BOUNDARY SURVEY CATEGORY: DEPENDENT RESURVEY

CLASS OF ACCURACY:	HORIZONTAL CLASS D VERTICAL CLASS V-2 TOPOGRAPHIC CLASS T-2
PURPOSE OF SURVEY:	PROPOSED CELLULAR UTILITIES

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

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

CHARLES G. GIDMAN, P.L.S. #70103

ProTerra DESIGN GROUP, LLC
4 Bay Road, Bldg A, Suite 200
Hadley, MA 01035
Ph: (413)320-4918

CONSULTANTS:
NORTHEAST SURVEY CONSULTANTS
3 Ferry Street
Studio 1 East
Easthampton, MA 01027
(413) 203-5144
northeastsurvey.com

NO.	DATE	REVISIONS
A	10/15/24	ISSUED FOR REVIEW

TITLE:
SITE NAME:
NORFOLK SOUTH CT / CHAPINSKY RL
ADDRESS: 78 GOSHEN EAST STREET
NORFOLK, CT 06058

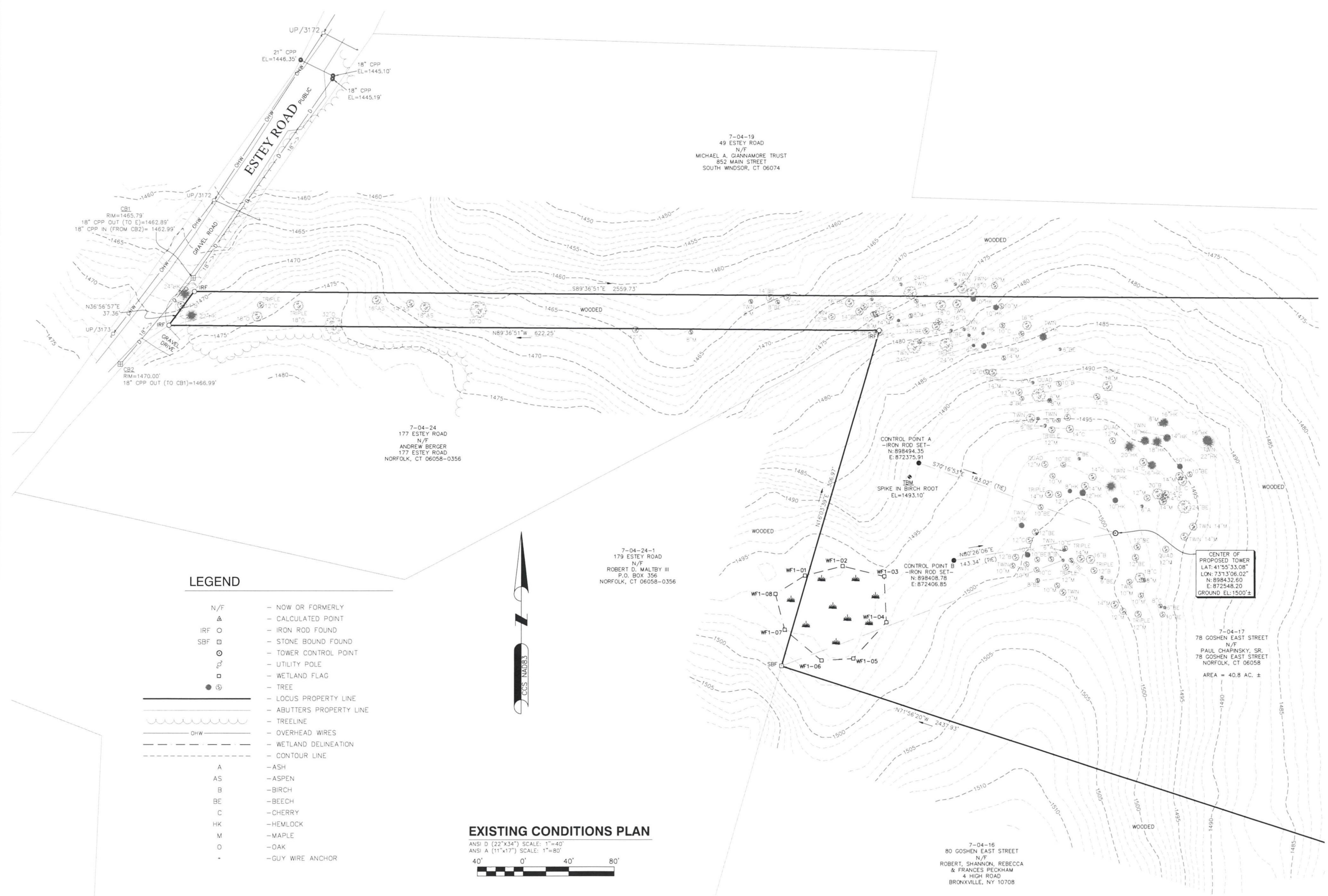
APPLICANT:
TARPON TOWERS III, LLC
1001 3RD AVENUE WEST
SUITE 420
BRADENTON, FL 34205

STATE OF CONNECTICUT — CHARLES G. GIDMAN — 70103 LICENSED LAND SURVEYOR

DATE: 10/15/2024
DRAWN: JDG
CHECK: BCF
SCALE: 1"=180'
JOB NO.: 24-234

SHEET TITLE:
ABUTTERS PLAN

C-1



LEGEND

N/F	– NOW OR FORMERLY
△	– CALCULATED POINT
IRF ○	– IRON ROD FOUND
SBF ⊡	– STONE BOUND FOUND
⊙	– TOWER CONTROL POINT
	– UTILITY POLE
□	– WETLAND FLAG
●	– TREE
	– LOCUS PROPERTY LINE
	– ABUTTERS PROPERTY LINE
	– TREELINE
—— OHW ——	– OVERHEAD WIRES
	– WETLAND DELINEATION
	– CONTOUR LINE
A	– ASH
AS	– ASPEN
B	– BIRCH
BE	– BEECH
C	– CHERRY
HK	– HEMLOCK
M	– MAPLE
O	– OAK
•	– GUY WIRE ANCHOR

EXISTING CONDITIONS PLAN

ANSI D (22"x34") SCALE: 1"=40'
ANSI A (11"x17") SCALE: 1"=80'

40' 0' 40' 80'

ProTerra
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Studio 1 East
Easthampton, MA 01027
(413) 203-5144
northeastsurvey.com

NO.	DATE	REVISIONS
A	10/15/24	ISSUED FOR REVIEW

TITLE:
SITE NAME: NORFOLK SOUTH CT/ CHAPINSKY RL
ADDRESS: 78 GOSHEN EAST STREET NORFOLK, CT 06058

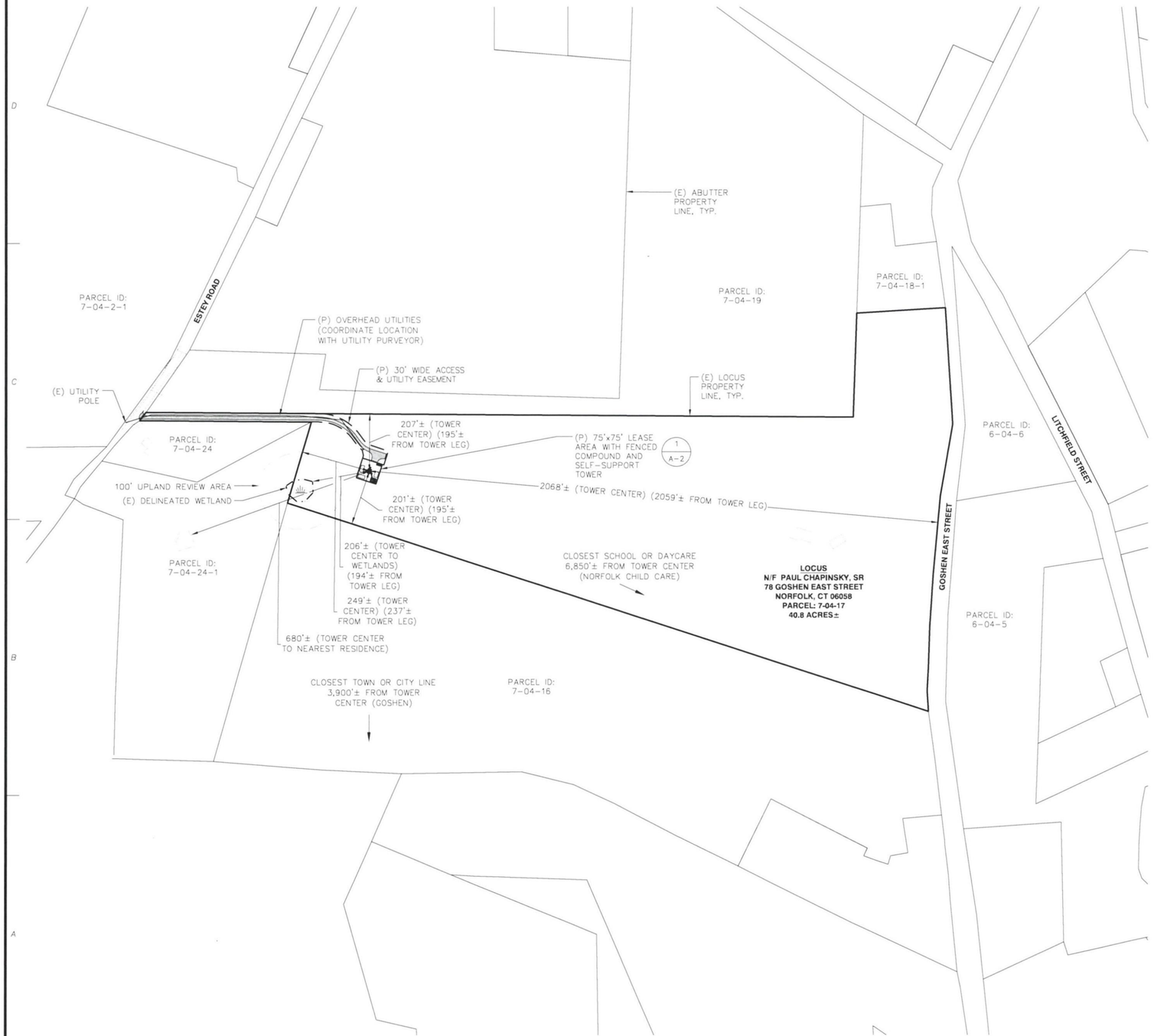
APPLICANT:
TARPON TOWERS III, LLC
TARPON TOWERS III, LLC
1001 3RD AVENUE WEST
SUITE 420
BRADENTON, FL 34205

STATE OF CONNECTICUT LICENSED LAND SURVEYOR

DATE:	10/15/2024
DRAWN:	JDG
CHECK:	BCF
SCALE:	1"=40'
JOB NO.:	24-234

SHEET TITLE:
EXISTING CONDITIONS

C-2



GENERAL NOTES

1. THE TYPE, DIMENSIONS, MOUNTING HARDWARE, AND POSITIONS OF ALL PROJECT OWNER'S EQUIPMENT ARE SHOWN IN ILLUSTRATIVE FASHION. ACTUAL HARDWARE DETAILS AND FINAL LOCATIONS MAY DIFFER SLIGHTLY FROM WHAT IS SHOWN.
2. THE PROJECT OWNER'S PCS FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.
3. THE DESIGN OF THE TOWER, FOUNDATION AND ANTENNA MOUNTING HARDWARE WILL MEET THE ANSI/EIA/TIA-222-H STANDARDS FOR STRUCTURAL STEEL ANTENNA SUPPORTING STRUCTURES AND STATE BUILDING CODE REQUIREMENTS. DETAILED CONSTRUCTION DRAWINGS AND STRUCTURAL CALCULATIONS WILL BE PREPARED BY A REGISTERED PROFESSIONAL ENGINEER AND SUBMITTED WITH A BUILDING PERMIT APPLICATION FOR REVIEW AND APPROVAL BY THE LOCAL BUILDING CODE ENFORCEMENT OFFICIAL.
4. ONCE THE FACILITY BECOMES FULLY OPERATIONAL, NORMAL AND ROUTINE MAINTENANCE BY TOWER OWNER'S AND CARRIER'S TECHNICIANS WILL BE PERFORMED. THE ESTIMATED VEHICULAR TRAFFIC GENERATED BY THESE VISITS IS PREDICTED TO BE LESS THAN THE TYPICAL TRAFFIC GENERATED BY A SINGLE-FAMILY DWELLING.

REFERENCES

PROPERTY LINE, TOPOGRAPHY AND EXISTING FEATURES FROM SURVEY PREPARED BY NORTHEAST SURVEY CONSULTANTS.

ZONING DISTRICTS – ZONING MAP FOR THE TOWN OF NORFOLK, CT FOUND IN TOWN OF NORFOLK ZONING REGULATIONS.

FLOODPLAIN – FLOOD INSURANCE RATE MAP (FIRM) MAP NUMBER 090181 0015 A EFFECTIVE DATE DECEMBER 3, 1987 PREPARED BY FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), US DEPARTMENT OF HOMELAND SECURITY. ENTIRE AREA IS WITHIN ZONE "X" UNSHADED: AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNAUL FLOOD CHANCE FLOODPLAIN.

CSC DIMENSIONS

ASSESSORS ID: 7-04-17
(P) USE: WIRELESS COMMUNICATION FACILITY

MONOPOLE HEIGHT (HIGHEST APPURTENANCE)	186'± (192'±)
EXISTING SITE ACCESS LENGTH	N/A
PROPOSED SITE ACCESS LENGTH	940'±
NUMBER OF TREES OVER 6" DBH TO BE REMOVED	89
NUMBER OF TREES OVER 14" DBH TO BE REMOVED	36 (INCLUDED IN THE 89 TOTAL NUMBER OF TREES OVER 6" TO BE REMOVED)
NUMBER OF RESIDENCES WITHIN 1000 FEET	2
CLOSEST TOWN OR CITY TO LOCUS PARCEL	3,180'± (GOSHEN)
FOLLOWING DISTANCES FROM TOWER CENTER	
NEAREST WETLANDS (ON LOCUS PROPERTY)	206'±
NORTHERN PROPERTY BOUNDARY	207'±
SOUTHERN PROPERTY BOUNDARY	201'±
WESTERN PROPERTY BOUNDARY	249'±
EASTERN PROPERTY BOUNDARY	2,068'±
CLOSET RESIDENCE	680'± (7-04-24-1)
CLOSEST SCHOOL OR DAYCARE	6,850'± (NORFOLK CHILD CARE)
CLOSEST TOWN OR CITY LINE	3,900'± (GOSHEN)

N

OVERALL SITE PLAN

SCALE: 1"=200' (22x34)
1"=400' (11x17)

1
A-1

200 100 0 200 400

ProTerra DESIGN GROUP, LLC
4 Bay Road
Building A; Suite 200
Hadley, MA 01035
Ph. (413)320-4918

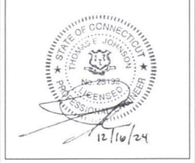
CONSULTANTS:

NO.	DATE	REVISIONS
A	10/15/24	ISSUED FOR REVIEW
0	12/16/24	ISSUED FOR PERMITTING

TITLE: SITE NAME: NORPOLK SOUTH CT/ CHAPINSKY RL
SITE NUMBER: CT1238
ADDRESS: 78 GOSHEN EAST STREET
NORPOLK, CT 06058

APPLICANT: TARPON TOWERS II, LLC
1001 3RD AVENUE WEST
SUITE 420
BRADENTON, FL 34205
TARPON TOWERS

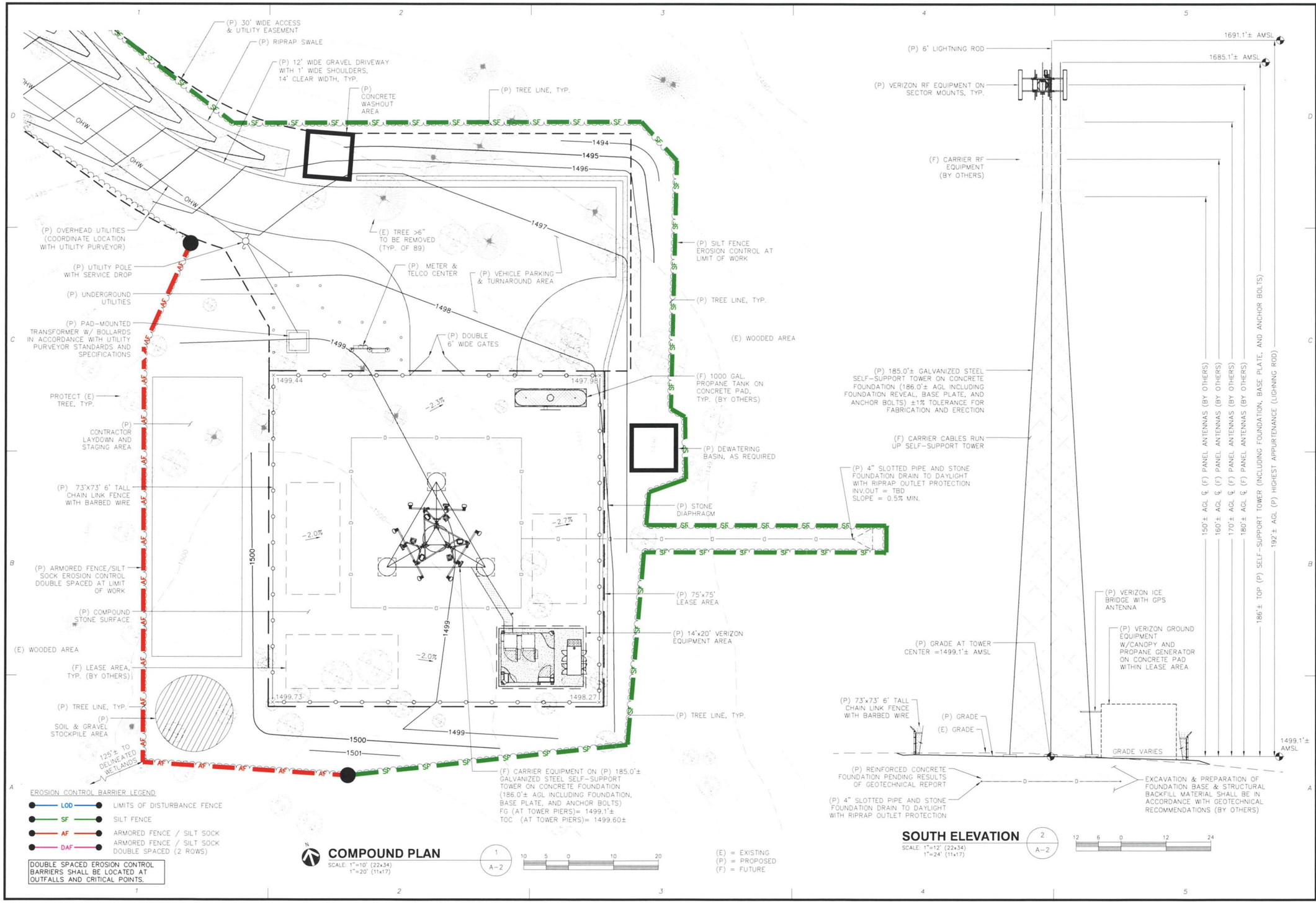
STAMP:



DATE: 12/16/2024
DRAWN: JEB
CHECK: JMM/TEJ
SCALE: SEE PLAN
JOB NO.: 22-031

SHEET TITLE:
OVERALL SITE PLAN

A-1



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Ph:(413)320-4918

CONSULTANTS:

NO.	DATE	REVISIONS
A	10/15/24	ISSUED FOR REVIEW
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TITLE: SITE NAME: NORPOLK SOUTH CT/ CHAPINSKY RL
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ADDRESS: 78 GOSHEN EAST STREET
NORPOLK, CT 06058

APPLICANT: TARPON TOWERS II, LLC
1001 3RD AVENUE WEST
SUITE 420
BRADENTON, FL 34205

STAMP:

STATE OF CONNECTICUT
THOMAS E. JOHNSON
No. 28139
LICENSED PROFESSIONAL ENGINEER
12/16/24

DATE: 12/16/2024
DRAWN: JEB
CHECK: JMM/TEJ
SCALE: SEE PLAN
JOB NO.: 22-031

SHEET TITLE:
COMPOUND PLAN & ELEVATION

A-2

ATTACHMENT 4

PRELIMINARY VISUAL ASSESSMENT

Date: December 20, 2024

To: Tarpon Towers II, LLC
1001 3rd Avenue West, Suite 420
Bradenton, FL 34205

From: Brian Gaudet, Project Manager

Re: Proposed Telecommunications Facility
78 Goshen Street East
Norfolk, Connecticut

Tarpon Towers II, LLC ("Tarpon") has identified a proposed location for development of a wireless telecommunications facility (the "Facility") at 78 Goshen Street East in the Town of Norfolk, Connecticut (the "Host Property"). The proposed Facility would include a 186-foot-tall self-support tower located in a ±73-foot by ±73-foot fenced gravel compound. Anchor tenant Verizon Wireless would install antennas with a centerline height of 180' above ground level ("AGL"), and associated ground equipment within the compound. At the request of Tarpon, All-Points Technology Corporation, P.C. ("APT") has prepared initial viewshed mapping to evaluate the extent of visibility associated with the proposed Facility within a two-mile radius (the "Study Area").

The Host Property is a ±40.8-acre parcel developed with a residence and multiple outbuildings and is otherwise wooded. The Facility would be located in the western portion of the Host Property (the "Site"). Access to the Site would be gained over a new gravel-based access drive off Estey Road traversing east before terminating at the compound. The surrounding area consists of densely forested areas with sparse residential development. The Study Area includes a portion of the town of Goshen to the south.

To conduct this preliminary assessment, a predictive computer model was developed specifically for this project using ESRI's ArcMap Geographic Information System ("GIS")[1] software and available GIS data. The predictive model provides an initial estimate of potential visibility throughout the Study Area. The predictive model incorporates Project and Study Area-specific data, including the Facility location, its ground elevation and the proposed Facility height, as well as the surrounding topography, existing vegetation, and structures (the primary features that can block direct lines of sight).

[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.

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," 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 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 an aerial photograph and topographic base map. 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 results of the preliminary analysis are intended to provide a representation of those areas where portions of the 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 limitations. For instance, it is important to note that the computer model cannot account for mass density, tree diameters and branching variability of trees, or the degradation of views that occurs with distance. As a result, some areas depicted on the viewshed maps as theoretically offering potential visibility of the Facility may be over-predicted 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.

Preliminary viewshed mapping results indicate that predicted year-round visibility associated with the proposed Facility could include up to approximately 183 acres. These views are primarily associated with open water and marshes over North Pond to the south. Predicted seasonal visibility, when leaves are off the deciduous trees, could include up to an additional 61 acres. Predicted seasonal visibility occurs generally surrounding the Site and to the north and east, as well as over portions of North Pond, and along State Highway 272 to the southeast. Combined, predicted visibility represents approximately 3% of the 8,042-acre Study Area.

The initial results presented herein will be verified via a field-test to supplement and fine tune the results of the preliminary computer modeling. The in-field activities will consist of raising a brightly-colored,

[2] Light Detection and Ranging

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

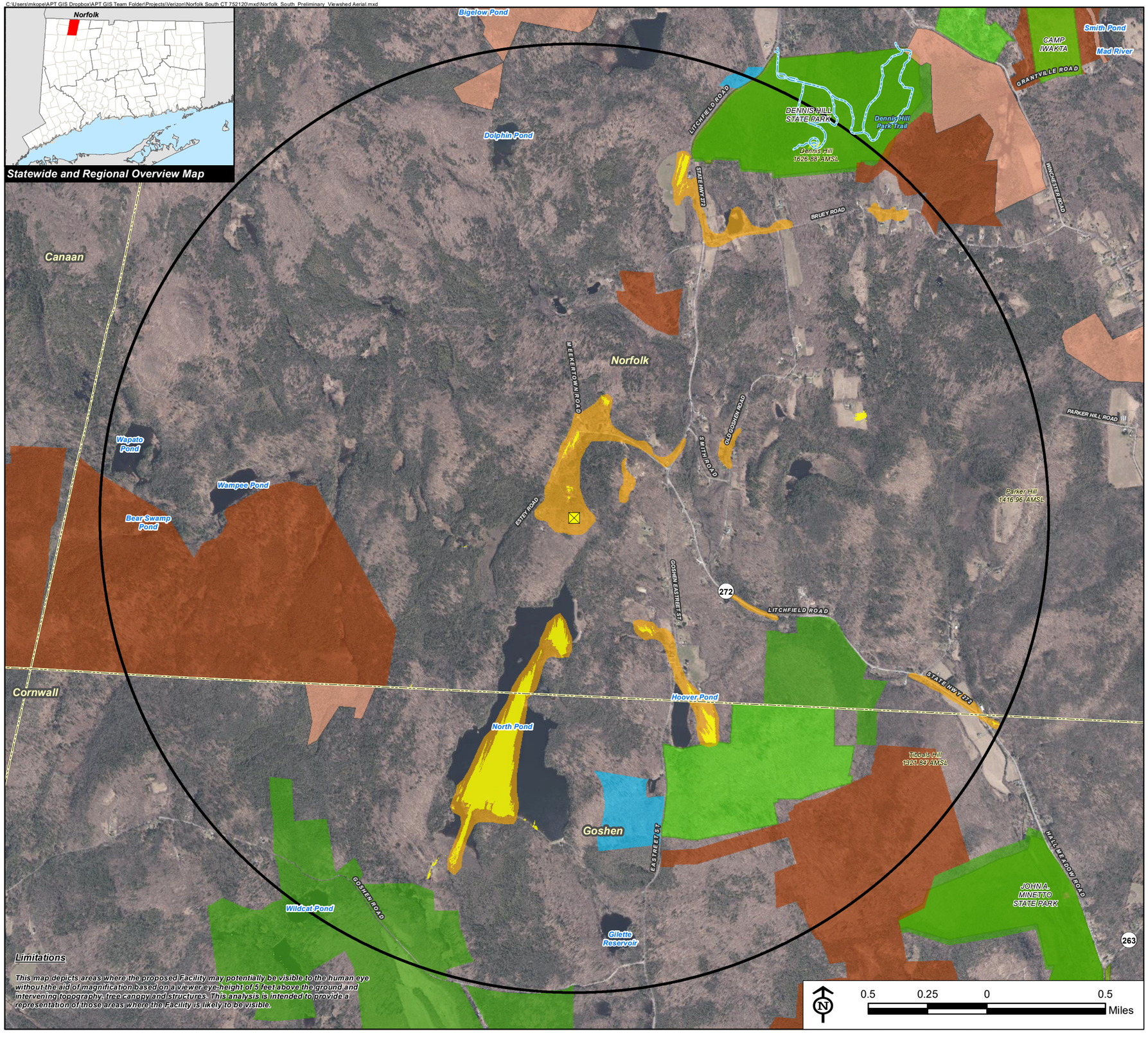
[4] Each DSM cell size is 1 square meter.

approximately four-foot diameter, helium-filled balloon, to the proposed monopole height at the Site. Once the balloon is in position, APT performs a Study Area reconnaissance by driving the surrounding roads and inventorying those locations where the balloon can be seen above/through the trees. Visual observations from publicly accessible locations will be used to evaluate the results of the preliminary viewshed mapping and identify any discrepancies in the initial modeling. APT will also photo-document areas where the balloon can be seen (as well as locations where it is not visible) and will prepare photographic simulations from several vantage points to depict scaled renderings of the proposed Facility. This information will be included in Tarpon's application to the Connecticut Siting Council for a Certificate of Environmental Compatibility and Public Need.

ATTACHMENTS

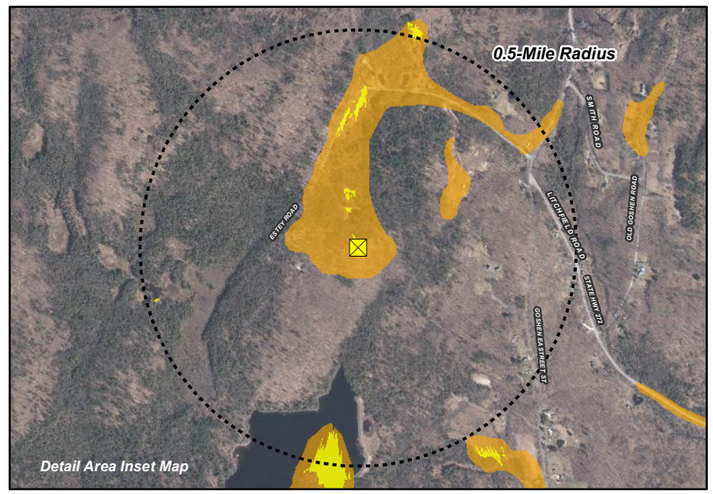
C:\Users\mkope\APT GIS Dropbox\APT GIS Team Folder\Projects\Verizon\Norfolk South CT 752120\mxd\Norfolk_South_Preliminary_Viewshed Aerial.mxd

Statewide and Regional Overview Map



Limitations

This map depicts areas where the proposed Facility may potentially be visible to the human eye without the aid of magnification based on a viewer eye-height of 5 feet above the ground and intervening topography, tree canopy and structures. This analysis is intended to provide a representation of those areas where the Facility is likely to be visible.



Detail Area Inset Map

Preliminary Viewshed Analysis Map

Proposed WirelessTelecommunications Facility
Norfolk South CT
78 Goshen East Street
Norfolk, Connecticut

Proposed facility height is 186 feet AGL.
Forest canopy height is derived from LiDAR data.
Study area encompasses a two-mile radius and includes 8,042 acres.
Information provided on this map has not been field verified
Base Map Source: 2023 Aerial Photograph (CTECO)
Map Date: December 2024

Legend

- Proposed Site
- Study Area (2-Mile Radius)
- Areas of Potential Seasonal Visibility (183 Acres)
- Predicted Year-Round Visibility (61 Acres)
- Municipal Boundary
- *Scenic Highway
- Trail
- *DEEP Boat Launches
- Municipal and Private Open Space Property
- State Forest/Park

Protected Open Space Property

- *Federal
- Land Trust
- Municipal
- Private
- State

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, 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

** Legend item does not appear within the map extent*

verizon

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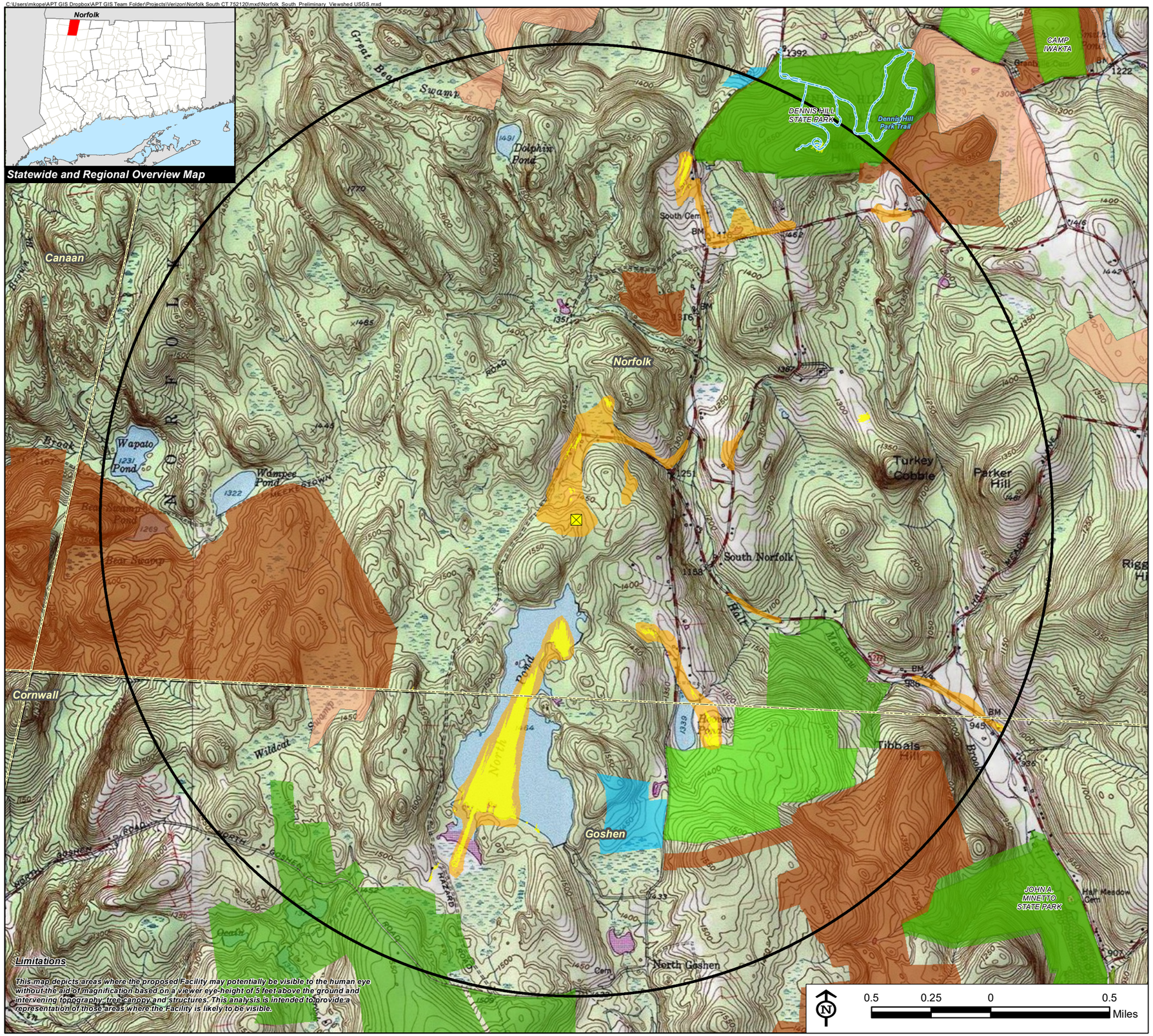
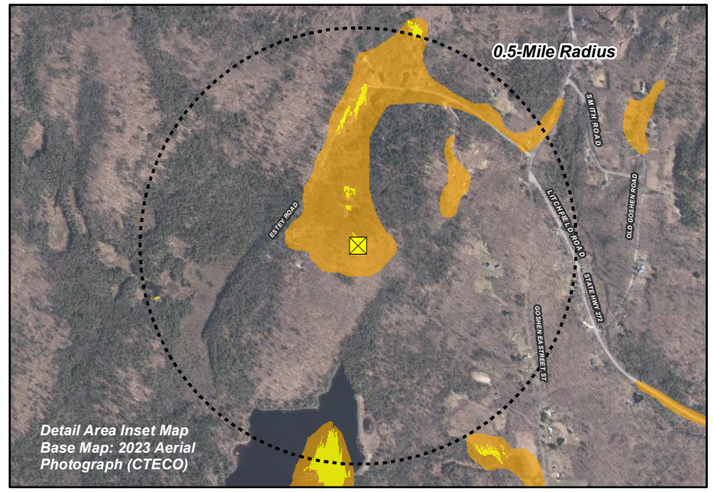
C:\Users\mkope\APT GIS Dropbox\APT GIS Team Folder\Projects\Verizon\Norfolk South CT 752120\mxd\Norfolk_South_Preliminary_Viewshed_USGS.mxd

Statewide and Regional Overview Map





Preliminary Viewshed Analysis Map

Proposed WirelessTelecommunications Facility
Norfolk South CT
78 Goshen East Street
Norfolk, Connecticut

Proposed facility height is 186 feet AGL.
Forest canopy height is derived from LiDAR data.
Study area encompasses a two-mile radius and includes 8,042 acres.
Information provided on this map has not been field verified
Base Map Source: USGS 7.5 Minute Topographic
Quadrangle Maps, Norfolk, CT (1969) and South Canaan, CT (1969)
Map Date: December 2024

Legend

- Proposed Site
- Study Area (2-Mile Radius)
- Areas of Potential Seasonal Visibility (183 Acres)
- Predicted Year-Round Visibility (61 Acres)
- Municipal Boundary
- *Scenic Highway
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Data Sources:

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Dedicated Open Space & Recreation Areas

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

Other

CTDOT Scenic Strips (based on Department of Transportation data)

Notes

** Legend item does not appear within the map extent*

verizon

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ATTACHMENT 5

Attachment 5

Location	NORFOLK SOUTH CT				
Date	11/11/2024				
Band	C-Band	AWS	PCS	850	700
Operating Frequency (MHz)	3,700	2,145	1,970	869	746
General Population MPE (mW/cm^2)	1	1	1	0.57933333	0.49733333
ERP Per Transmitter (Watts)	33,688	3,244	2,819	1,884	1,679
Number of Transmitters	2	4	4	4	4
Antenna Centerline (CL) (feet)	180	180	180	180	180
Total ERP (Watts)	67,376	12,976	11,276	7,536	6,716
Total ERP (dBm)	78	71	71	69	68
Maximum % of General Population Limit	4.7%				

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Section 1.1310 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

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

Absolute worst case maximum values used, including the following assumptions:
1. closest accessible point is distance from antenna to base of pole;
2. continuous transmission from all available channels at full power for indefinite time period;
3. calculation takes into account a point of interest of 2m or 6.56ft

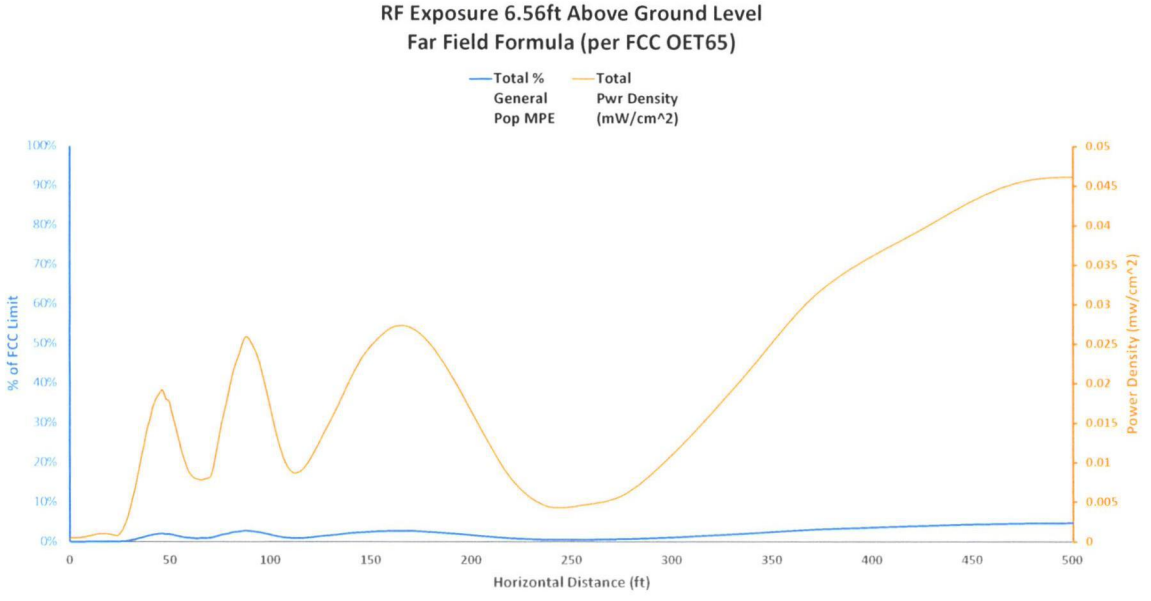
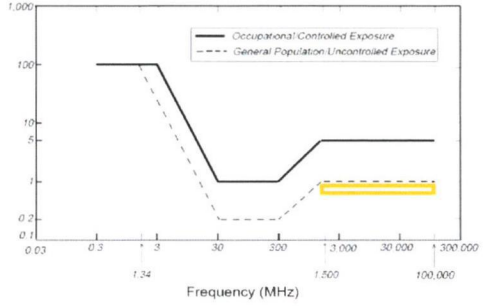
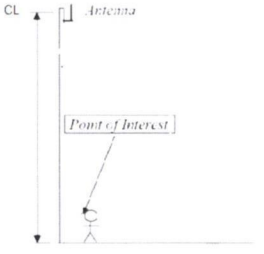


Figure 1. FCC Limits for Maximum Permissible Exposure (MPE)
Plane-wave Equivalent Power Density





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	AWS	PCS	850	700 MHz	39GHz	28GHz	C-Band	CBRS	AWS	PCS	Cellular	CDMA	700 MHz			
90	0.000403692	3.02473E-05	1.8608E-06	6.09097E-06	3.347E-05	0.00%	0.00%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0	0.000475361	0.05%
89	0.000403678	3.80777E-05	1.99382E-06	6.67838E-06	2.91501E-05	0.00%	0.00%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	1.029848831	0.000479578	0.05%
88	0.000403635	5.50332E-05	1.90388E-06	7.49247E-06	2.5386E-05	0.00%	0.00%	0.04%	0.00%	0.01%	0.00%	0.00%	0.00%	0.01%	2.0603254	0.000493451	0.05%
87	0.000403564	7.25351E-05	2.62762E-06	8.21388E-06	2.21064E-05	0.00%	0.00%	0.04%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	3.092058978	0.000509047	0.05%
86	0.000403464	8.71847E-05	4.67148E-06	9.0041E-06	2.01563E-05	0.00%	0.00%	0.04%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	4.125681905	0.000524481	0.06%
85	0.000403335	9.55656E-05	7.40143E-06	1.00995E-05	1.92429E-05	0.00%	0.00%	0.04%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	5.161831148	0.000535645	0.06%
84	0.000422178	0.00010003	1.02128E-05	1.10696E-05	1.96834E-05	0.00%	0.00%	0.04%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	6.201149881	0.000563174	0.06%
83	0.000462694	0.000107134	1.19934E-05	1.21319E-05	2.20749E-05	0.00%	0.00%	0.05%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	7.244289093	0.000616028	0.06%
82	0.000495518	0.000120142	1.34496E-05	1.36049E-05	2.53317E-05	0.00%	0.00%	0.05%	0.00%	0.01%	0.00%	0.00%	0.00%	0.01%	8.291909247	0.000668046	0.07%
81	0.00053063	0.000137857	1.44026E-05	1.49083E-05	3.04367E-05	0.00%	0.00%	0.05%	0.00%	0.01%	0.00%	0.00%	0.00%	0.01%	9.344681979	0.000728234	0.08%
80	0.000568186	0.00015457	1.43926E-05	1.67158E-05	3.65676E-05	0.00%	0.00%	0.06%	0.00%	0.02%	0.00%	0.00%	0.00%	0.01%	10.40329186	0.000790433	0.08%
79	0.000608353	0.000165497	1.34216E-05	1.83143E-05	4.393E-05	0.00%	0.00%	0.06%	0.00%	0.02%	0.00%	0.00%	0.00%	0.01%	11.46843824	0.000849517	0.09%
78	0.000651307	0.00017315	1.37226E-05	2.10098E-05	5.15693E-05	0.00%	0.00%	0.07%	0.00%	0.02%	0.00%	0.00%	0.00%	0.01%	12.54083714	0.000910758	0.10%
77	0.000697236	0.000177017	1.93656E-05	2.76704E-05	5.78077E-05	0.00%	0.00%	0.07%	0.00%	0.02%	0.00%	0.00%	0.00%	0.01%	13.62122328	0.000979097	0.11%
76	0.000712751	0.000172812	2.86146E-05	3.72884E-05	6.33203E-05	0.00%	0.00%	0.07%	0.00%	0.02%	0.00%	0.01%	0.00%	0.01%	14.71035217	0.001014786	0.11%
75	0.000728546	0.000153848	3.43643E-05	5.14154E-05	6.47236E-05	0.00%	0.00%	0.07%	0.00%	0.02%	0.00%	0.01%	0.00%	0.01%	15.80900235	0.001032898	0.11%
74	0.000744625	0.00011132	3.51227E-05	7.08881E-05	6.31747E-05	0.00%	0.00%	0.07%	0.00%	0.01%	0.00%	0.01%	0.00%	0.01%	16.91797776	0.001025131	0.11%
73	0.000760989	6.69906E-05	3.12628E-05	8.91279E-05	6.02537E-05	0.00%	0.00%	0.08%	0.00%	0.01%	0.00%	0.02%	0.00%	0.01%	18.03811021	0.001008624	0.11%

72	0.000742638	3.20194E-05	2.78245E-05	0.000107007	5.36269E-05	0.00%	0.00%	0.07%	0.00%	0.00%	0.00%	0.02%	0.00%	0.01%	19.17026208	0.000963116	0.11%
71	0.000708162	2.16156E-05	2.41982E-05	0.000119886	4.55762E-05	0.00%	0.00%	0.07%	0.00%	0.00%	0.00%	0.02%	0.00%	0.01%	20.31532918	0.000919438	0.11%
70	0.000675217	1.24188E-05	2.05633E-05	0.000122484	3.6987E-05	0.00%	0.00%	0.07%	0.00%	0.00%	0.00%	0.02%	0.00%	0.01%	21.47424382	0.00086767	0.10%
69	0.000629083	1.79202E-05	1.5218E-05	0.000119493	2.801E-05	0.00%	0.00%	0.06%	0.00%	0.00%	0.00%	0.02%	0.00%	0.01%	22.64797807	0.000809724	0.09%
68	0.000627948	1.45398E-05	1.00363E-05	0.000108782	2.02548E-05	0.00%	0.00%	0.06%	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	23.83754732	0.000781561	0.09%
67	0.000905917	1.5912E-05	7.77568E-06	9.03076E-05	1.27554E-05	0.00%	0.00%	0.09%	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	25.04401416	0.001032668	0.11%
66	0.00143285	2.82382E-05	1.04677E-05	6.38023E-05	8.03168E-06	0.00%	0.00%	0.14%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	26.26849243	0.00154339	0.16%
65	0.002164003	4.16767E-05	1.65542E-05	2.77903E-05	5.05666E-06	0.00%	0.00%	0.22%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	27.51215183	0.002255081	0.23%
64	0.003049699	4.77411E-05	2.33296E-05	1.23849E-05	4.60111E-06	0.00%	0.00%	0.30%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	28.77622273	0.003137756	0.32%
63	0.004199478	4.34341E-05	2.86316E-05	7.10937E-06	9.37132E-06	0.00%	0.00%	0.42%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	30.06200152	0.004288025	0.43%
62	0.005521662	3.68727E-05	3.13126E-05	6.77182E-06	2.5158E-05	0.00%	0.00%	0.55%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	31.37085647	0.005621777	0.57%
61	0.006774497	3.85046E-05	3.5037E-05	1.81766E-05	5.12251E-05	0.00%	0.00%	0.68%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	32.70423404	0.00691744	0.70%
60	0.008503809	4.51075E-05	3.91979E-05	6.28419E-05	9.73238E-05	0.00%	0.00%	0.85%	0.00%	0.00%	0.00%	0.01%	0.00%	0.02%	34.06366588	0.00874828	0.89%
59	0.010192369	4.70881E-05	3.81878E-05	0.00013706	0.000164771	0.00%	0.00%	1.02%	0.00%	0.00%	0.00%	0.02%	0.00%	0.03%	35.45077652	0.010579476	1.08%
58	0.011398765	3.47931E-05	3.02348E-05	0.000248596	0.000254368	0.00%	0.00%	1.14%	0.00%	0.00%	0.00%	0.04%	0.00%	0.05%	36.86729176	0.011966757	1.24%
57	0.013346178	1.38036E-05	2.13308E-05	0.000392638	0.000366406	0.00%	0.00%	1.33%	0.00%	0.00%	0.00%	0.07%	0.00%	0.07%	38.315048	0.014140356	1.48%
56	0.014248444	2.08163E-05	1.98343E-05	0.00055259	0.000503933	0.00%	0.00%	1.42%	0.00%	0.00%	0.00%	0.10%	0.00%	0.10%	39.79600249	0.015345618	1.63%
55	0.015562666	2.55105E-05	2.85584E-05	0.000725637	0.00064668	0.00%	0.00%	1.56%	0.00%	0.00%	0.00%	0.13%	0.00%	0.13%	41.31224475	0.016989053	1.82%
54	0.016229336	3.93492E-05	4.72009E-05	0.000889071	0.000810786	0.00%	0.00%	1.62%	0.00%	0.00%	0.00%	0.15%	0.00%	0.16%	42.86600915	0.018015743	1.95%
53	0.016535271	4.60306E-05	6.05426E-05	0.001016359	0.000970547	0.00%	0.00%	1.65%	0.00%	0.00%	0.01%	0.18%	0.00%	0.20%	44.45968896	0.01862875	2.03%
52	0.016842585	4.27607E-05	7.08041E-05	0.001084038	0.001109211	0.00%	0.00%	1.68%	0.00%	0.00%	0.01%	0.19%	0.00%	0.22%	46.09585196	0.019149399	2.11%
51	0.015641757	3.53933E-05	8.87024E-05	0.001054196	0.001210294	0.00%	0.00%	1.56%	0.00%	0.00%	0.01%	0.18%	0.00%	0.24%	47.77725796	0.018030342	2.00%
50	0.015206646	2.79685E-05	0.000116328	0.000978744	0.001290146	0.00%	0.00%	1.52%	0.00%	0.00%	0.01%	0.17%	0.00%	0.26%	49.50687824	0.017619832	1.96%
49	0.01347856	2.01502E-05	0.000139089	0.000828475	0.001343535	0.00%	0.00%	1.35%	0.00%	0.00%	0.01%	0.14%	0.00%	0.27%	51.28791753	0.015809809	1.78%
48	0.011942795	1.07582E-05	0.000132055	0.000701038	0.001335708	0.00%	0.00%	1.19%	0.00%	0.00%	0.01%	0.12%	0.00%	0.27%	53.12383861	0.014122354	1.60%
47	0.010102064	6.01237E-05	0.000101873	0.000592988	0.001297226	0.00%	0.00%	1.01%	0.00%	0.01%	0.01%	0.10%	0.00%	0.26%	55.01839008	0.012154275	1.39%
46	0.008347266	0.000111219	8.41771E-05	0.000549769	0.001202679	0.00%	0.00%	0.83%	0.00%	0.01%	0.01%	0.09%	0.00%	0.24%	56.97563771	0.010295111	1.19%
45	0.007054977	0.000115646	0.000102836	0.000612536	0.001064391	0.00%	0.00%	0.71%	0.00%	0.01%	0.01%	0.11%	0.00%	0.21%	59	0.008950386	1.05%
44	0.006240941	6.30791E-05	0.00017334	0.000765395	0.000941576	0.00%	0.00%	0.62%	0.00%	0.01%	0.02%	0.13%	0.00%	0.19%	61.09628851	0.008184332	0.97%
43	0.005646667	1.97892E-05	0.000327674	0.001048161	0.000832526	0.00%	0.00%	0.56%	0.00%	0.00%	0.03%	0.18%	0.00%	0.17%	63.26975389	0.007874817	0.95%
42	0.004990051	3.03907E-05	0.000591228	0.001434632	0.000735716	0.00%	0.00%	0.50%	0.00%	0.00%	0.06%	0.25%	0.00%	0.15%	65.52613837	0.007782018	0.96%
41	0.004407271	4.45457E-05	0.000972343	0.001831494	0.000680417	0.00%	0.00%	0.44%	0.00%	0.00%	0.10%	0.32%	0.00%	0.14%	67.87173603	0.00793607	1.00%
40	0.003980758	2.65828E-05	0.001424346	0.002231523	0.000643534	0.00%	0.00%	0.40%	0.00%	0.00%	0.14%	0.39%	0.00%	0.13%	70.31346196	0.008306744	1.06%
39	0.005963075	2.7549E-05	0.001901604	0.002594812	0.000636907	0.00%	0.00%	0.60%	0.00%	0.00%	0.19%	0.45%	0.00%	0.13%	72.85893224	0.011123946	1.37%
38	0.008926022	0.000188492	0.002313704	0.002879344	0.000629888	0.00%	0.00%	0.89%	0.00%	0.02%	0.23%	0.50%	0.00%	0.13%	75.5165563	0.014937451	1.77%
37	0.011104547	0.000708168	0.002394146	0.002979453	0.000622453	0.00%	0.00%	1.11%	0.00%	0.07%	0.24%	0.51%	0.00%	0.13%	78.29564448	0.017808767	2.06%
36	0.013802821	0.001925766	0.002058817	0.003010257	0.000560497	0.00%	0.00%	1.38%	0.00%	0.19%	0.21%	0.52%	0.00%	0.11%	81.20653331	0.021358158	2.41%
35	0.014928784	0.003878467	0.001404993	0.002901751	0.000481537	0.00%	0.00%	1.49%	0.00%	0.39%	0.14%	0.50%	0.00%	0.10%	84.2607324	0.023595532	2.62%
34	0.016129913	0.005919263	0.000726577	0.00273066	0.000351753	0.00%	0.00%	1.61%	0.00%	0.59%	0.07%	0.47%	0.00%	0.07%	87.47109714	0.025858167	2.82%
33	0.015161691	0.006845154	0.000253745	0.002508322	0.000177563	0.00%	0.00%	1.52%	0.00%	0.68%	0.03%	0.43%	0.00%	0.04%	90.85203287	0.024946476	2.69%
32	0.013909874	0.006426268	4.43581E-05	0.002197652	9.81587E-05	0.00%	0.00%	1.39%	0.00%	0.64%	0.00%	0.38%	0.00%	0.02%	94.41973721	0.022676311	2.44%
31	0.011893368	0.004897117	2.74761E-05	0.001879059	8.39287E-05	0.00%	0.00%	1.19%	0.00%	0.49%	0.00%	0.32%	0.00%	0.02%	98.19248946	0.018780949	2.02%
30	0.009696882	0.002959836	6.9228E-05	0.001429775	0.000105983	0.00%	0.00%	0.97%	0.00%	0.30%	0.01%	0.25%	0.00%	0.02%	102.1909976	0.014261705	1.54%
29	0.007892906	0.001293816	8.14492E-05	0.001013614	0.000237598	0.00%	0.00%	0.79%	0.00%	0.13%	0.01%	0.17%	0.00%	0.05%	106.4388176	0.010519384	1.15%
28	0.007195197	0.000296264	4.2726E-05	0.00061049	0.000596552	0.00%	0.00%	0.72%	0.00%	0.03%	0.00%	0.11%	0.00%	0.12%	110.9628615	0.008741229	0.98%
27	0.007869783	2.24181E-05	1.2578E-05	0.000226255	0.000965091	0.00%	0.00%	0.79%	0.00%	0.00%	0.00%	0.04%	0.00%	0.19%	115.7940198	0.009096125	1.02%
26	0.009416706	9.51776E-05	0.000114169	0.000102928	0.001266206	0.00%	0.00%	0.94%	0.00%	0.01%	0.01%	0.02%	0.00%	0.25%	120.9679267	0.010995187	1.23%
25	0.011769015	0.000101245	0.000265699	0.000117321	0.001476881	0.00%	0.00%	1.18%	0.00%	0.01%	0.03%	0.02%	0.00%	0.30%	126.5259083	0.013730161	1.53%
24	0.01466761	5.26011E-05	0.000288409	0.00019724	0.001496114	0.00%	0.00%	1.47%	0.00%	0.01%	0.03%	0.03%	0.00%	0.30%	132.5161697	0.016701975	1.84%
23	0.018222679	0.000127423	0.000145969	0.00036245	0.001285931	0.00%	0.00%	1.82%	0.00%	0.01%	0.01%	0.06%	0.00%	0.26%	138.9952896	0.020144453	2.17%
22	0.021544345	0.000293744	2.61206E-05	0.000619397	0.00093743	0.00%	0.00%	2.15%	0.00%	0.03%	0.00%	0.11%	0.00%	0.19%	146.0301244	0.023421036	2.48%
21	0.024228845	0.000315477	8.66927E-05	0.00068072	0.00047091	0.00%	0.00%	2.42%	0.00%	0.03%	0.01%	0.12%	0.00%	0.09%	153.7002548	0.025782645	2.68%
20	0.025905488	0.000185365	0.000328883	0.000591599	0.000240989	0.00%	0.00%	2.59%	0.00%	0.02%	0.03%	0.10%	0.00%	0.05%	162.1011677	0.027252324	2.79%
19	0.025719213	9.22345E-05	0.000554508	0.000379222	0.00016938	0.00%	0.00%	2.57%	0.00%	0.01%	0.06%	0.07%	0.00%	0.03%	171.3484418	0.026914557	2.74%
18	0.023154576	0.000181665	0.000534917	0.000271189	0.000167202	0.00%	0.00%	2.32%	0.00%	0.02%	0.05%	0.05%	0.00%	0.03%	181.5833287	0.024309551	2.47%
17	0.018458087	0.000339486	0.000269052	0.000319759	0.000312458	0.00%	0.00%	1.85%	0.00%	0.03%	0.03%	0.06%	0.00%	0.06%	192.9803045	0.019698843	2.02%
16	0.01214801	0.00036236	9.08145E-05	0.00047113	0.000650295	0.00%	0.00%	1.21%	0.00%	0.04%	0.01%	0.08%	0.00%	0.13%	205.7574522	0.013722611	1.47%
15	0.005876478	0.000205946	5.79118E-05	0.000790229	0.000846686	0.00%	0.00%	0.59%	0.00%	0.02%	0.01%	0.14%	0.00%	0.17%	220.1909976	0.007777251	0.92%
14	0.002086683	9.4209E-05	0.000297239	0.001224876	0.00082806	0.00%	0.00%	0.21%	0.00%	0.01%	0.03%	0.21%	0.00%	0.17%	236.6360751	0.004531068	0.63%
13	0.001971707	0.000104587	0.000445135	0.001457062	0.000635986	0.00%	0.00%	0.20%	0.00%	0.01%	0.04%	0.25%	0.00%	0.13%	255.5570766	0.004614477	0.63%
12	0.004022026	0.000185815	0.000287141	0.001267887	0.000374154	0.00%	0.00%	0.40%	0.00%	0.02%	0.03%	0.22%	0.00%	0.08%	277.5731765	0.006137022	0.74%
11	0.010895281	0.000117998	5.25882E-05	0.000717586	0.000108604	0.00%	0.00%	1.09%	0.00%	0.01%	0.01%	0.12%	0.00%	0.02%	303.5286869	0.011892056	1.25%
10	0.020041544	1.33834E-05	4.96113E-05	0.000339287	4.79222E-05	0.00%	0.00%	2.00%	0.00%	0.00%	0.00%	0.06%	0.00%	0.01%	334.6056274	0.020491748	2.08%
9	0.030680183	0.000115211	0.000339241	0.000127495	0.000153272	0.00%	0.00%	3.07%	0.00%	0.01%	0.03%	0.02%	0.00%	0.03%	372.5113394	0.031415402	3.17%
8	0.037137223	0.000430968	0.000505195	7.91489E-05	0.00068931	0.00%	0.00%	3.71%	0.00%	0.04%	0.05%	0.01%	0.00%	0.14%	419.8068136	0.038841846	3.96%
7	0.04342562	0.000527693	0.000317246	0.00026692	0.001307228	0.00%	0.00%	4.34%	0.00%	0.05%	0.03%	0.05%	0.00%	0.26%	480.5164393	0.045844708	4.74%
6	0.041332128	0.000234922	3.23547E-05	0.001108979	0.001757491	0.00%	0.00%	4.13%	0.00%	0.02%	0.00%	0.19%	0.00%	0.35%	561.3475028	0.044465876	4.70%
5	0.037045227	8.98189E-06	0.000135638	0.001687982	0.001983069	0.00%	0.00%	3.70%	0.00%	0.00%	0.01%	0.29%	0.00%	0.40%	674.3730859	0.040860898	4.41%
4	0.027794467	0.000330061	0.000657065	0.001708418	0.001830475	0.00%	0.00%	2.78%	0.00%	0.03%	0.07%	0.29%	0.00%	0.37%	843.7393091	0.032320485	3.54%
3	0.01703135	0.00090341	0.001083675	0.001412163	0.001348511	0.00%	0.00%	1.70%	0.00%	0.09%	0.11%	0.24%	0.00%	0.27%	1125.787065	0.021779108	2.42%
2	0.008399626	0.000930884	0.000886972	0.000799642	0.000729232	0.00%	0.00%	0.84%	0.00%	0.09%	0.09%	0.14%	0.00%	0.15%	1689.538944	0.011746355	1.31%
1	0.002115174	0.000363063	0.000315497	0.000225934	0.00020135	0.00%	0.00%	0.21%	0.00%	0.04%	0.03%	0.04%	0.00%	0.04%	3380.107736	0.003221018	0.36%

ATTACHMENT 6

Tarpon Towers III, LLC
and
Cellco Partnership d/b/a Verizon Wireless

Norfolk South Facility
78 Goshen East Street
Norfolk, Connecticut

Site Search Summary

Section 16-50j-74(j) of the Regulations of Connecticut State Agencies requires the submission of a statement that describes "the narrowing process by which other possible sites were considered and eliminated." In accordance with this requirement, descriptions of the general site search process, the identification of the applicable search area and the alternative locations considered for development of the proposed Norfolk South Facility are provided below.

Site Search Process

To initiate its site selection process in an area where wireless service problems have been identified, Cellco first establishes a "site search ring" or "site search area". In any search ring or search area, Cellco seeks to avoid the unnecessary proliferation of towers and to reduce the potential adverse environmental effects of the cell site, while at the same time maximizing the quality of service provided from a facility. These objectives are achieved by initially locating existing towers and other sufficiently tall structures within and near the site search area. If any are found, they are evaluated to determine whether they can support Cellco's telecommunications antennas and related equipment at a location and elevation that satisfies its technical requirements.

The list of available locations may be further reduced if, after preliminary discussions, the property owners withdraw a site from consideration. From among the remaining locations, the proposed sites are selected by eliminating those that have greater potential for adverse environmental effects and fewer benefits to the public (i.e., those requiring taller towers; those with substantial adverse environmental impacts, or in densely populated residential areas; and those with limited ability to share space with other public or private telecommunications service providers). It should be noted that in any given site search, the weight afforded to factors considered in the selection process will vary depending upon the availability and nature of sites within the search area.

Need for the Norfolk South Facility

The Norfolk South Facility is needed so that Cellco can provide wireless service (primary coverage) in southern portions of Norfolk and northern portions of Goshen including significant

portions of Route 272 and local roads in the area. The proposed Norfolk South Facility will fill significant gaps in service between Cellco's existing macro cell facilities identified on the coverage plots as Goshen, Norfolk East, Norfolk West, Torrington North, Colebrook SW, Winchester and Torrington West.

Sites Investigated

The Norfolk South Facility site search was initiated in March of 2024. Cellco identified and investigated a total of thirteen (13) sites in Norfolk and signed a lease agreement with Paul Chaplinsky Sr. for a tower site at 78 Goshen East Street (the "Primary Location"). The list of the twelve (12) alternative sites investigated is provided below.

1. **287 Old Goshen Road, Norfolk:** The property owners (Xiao Hong Jing and Frederick Knight) expressed interest in leasing their property. The owners had two (2) locations on property that were potential tower locations. The sites were submitted it to Cellco's Radio Frequency (RF) Engineer however, due to lower ground elevation; challenging access; one location closer to neighboring residences, RF ranked these alternatives lower than Primary Location.

2. **263 Old Goshen Road, Norfolk:** The letter was mailed to the property owner (Aaron Frisch, Howard Whidden, Marjory S. Frisch Irrevocable Trust) with no response.

3. **319 Old Goshen Road, Norfolk:** A letter was mailed to the property owner (Sloan Klevin). The owner had no interest in leasing land for a tower site.

4. **Old Goshen Road, Norfolk**: The owner initially expressed interest in leasing land to Cellco. However, RF ranked this site lower than Primary Location. Property owner (Michael Farrington) with no response.

5. **Old Goshen Road, Norfolk:** A letter was mailed to the property owner (Margaret Sweeney, Lynda Sweeney Cohen and Jane Denise Elmy) with no response.

6. **238 Old Goshen Road, Norfolk:** A letter was mailed to the property owner (Lynn Anderson Mookerjee) with no response.

7. **49 Estey Road, Norfolk:** A letter was mailed to the property owner (Michael Giannamore, Trustee) with no response.

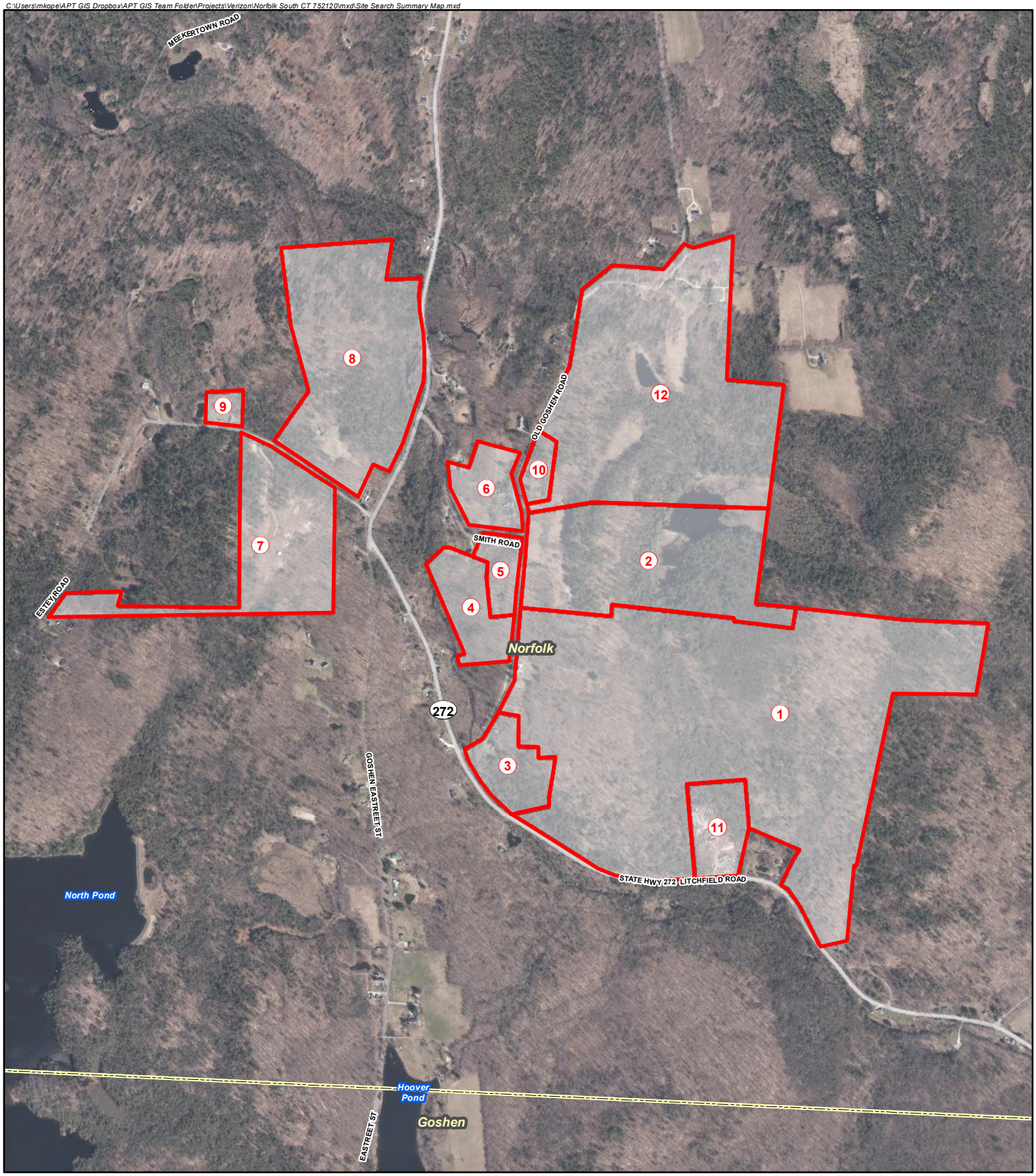
8. **42 Estey Road, Norfolk** A letter was mailed to the property owner (Sean Sweeney and Lynn Kenny) with no response.

9. **Estey Road, Norfolk:** Wetlands and challenging topography prohibited development of a tower site at this location. (Lawrence and Elizabeth Leifert).

10. **223 Old Goshen Road, Norfolk:** Existing development on property made siting a tower difficult and Cellco had concerns that a site would be closer to neighboring properties and generally more visibility to surrounding parcels. (Colleen Gundlach).

11. **1117 Litchfield Road, Norfolk:** Frederick Knight reached out to Cellco on behalf of the property owner. This site was rejected by Cellco's RF engineers. (Henry Gundlach)

12. **127 Old Goshen Road, Norfolk:** Cellco's real estate consultant was unable to contact the property owner (Alain Saman).



Legend

- Site Investigated
- Municipal Boundary

Sites Investigated:

1. **287 Old Goshen Road, Norfolk, CT**
2. **263 Old Goshen Road, Norfolk, CT**
3. **319 Old Goshen Road / Old Goshen Road Map 6, Block 4, Lot 17, Norfolk, CT**
4. **Old Goshen Road, Map 6, Block 4, Lot 18, Norfolk, CT**
5. **0 Old Goshen Road, Map 6, Block 4, Lot 19, Norfolk, CT**
6. **238 Old Goshen Road, Norfolk, CT**
7. **49 Estey Road, Norfolk, CT**
8. **42 Estey Road, Norfolk, CT**
9. **0 Estey Road, Lot 10, Norfolk, CT**
10. **223 Old Goshen Road, Norfolk, CT**
11. **1117 Litchfield Road, Norfolk, CT**
12. **127 Old Goshen Road, Norfolk, CT**

1,200 600 0 1,200 Feet

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Site Search Summary Map

Proposed Wireless Telecommunications Facility
Norfolk South CT
78 Goshen East Street
Norfolk, Connecticut

verizon

ALL-POINTS TECHNOLOGY CORPORATION

Map Notes:
Base Map Source: 2023 CTECO Aerial Photograph
Map Scale: 1 inch = 1,200 feet
Map Date: December 2024