

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:	:	
	:	
APPLICATION OF CELLCO PARTNERSHIP	:	DOCKET NO. 494
D/B/A VERIZON WIRELESS FOR A	:	
CERTIFICATE OF ENVIRONMENTAL	:	
COMPATIBILITY AND PUBLIC NEED FOR	:	
THE CONSTRUCTION, MAINTENANCE	:	
AND OPERATION OF A WIRELESS	:	
TELECOMMUNICATIONS FACILITY OFF	:	
CHESTNUT HILL ROAD, WOLCOTT,	:	
CONNECTICUT	:	NOVEMBER 13, 2020

**UPDATED RESPONSES OF CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS
TO CONNECTICUT SITING COUNCIL PRE-HEARING QUESTIONS, SET ONE**

On October 21, 2020, the Connecticut Siting Council (“Council”) issued Pre-Hearing Questions, Set One to Cellco Partnership d/b/a Verizon Wireless (“Cellco”), relating to Docket No. 494. Below are Cellco’s responses.

Question No. 1

Of the letters sent to abutting property owners, how many certified mail receipts were received? If any receipts were not returned, which owners did not receive their notice? Were any additional attempts made to contact those property owners?

Response

Cellco received return receipts from four (4) of the six (6) abutting property owners listed behind Tab 4 of the Application. Notice letters to Michael R. Van Geons and Executive Hill LLC were not returned by the U.S. Postal Service. Second notice letters were sent to these two property owners on November 11, 2020, by regular mail. Copies of the second notice letters are attached as Exhibit 1.

Question No. 2

Referencing page 3 of the Application, Cellco Partnership d/b/a Verizon Wireless (Cellco or Applicant) notes that a copy of an affidavit of publication in the *Waterbury-Republican American* will be submitted to the Council when available. Please provide the affidavit.

Response

A copy of the Affidavit of Publication was received on October 30, 2020 and is attached as Exhibit 2.

Question No. 3

How would the cost of the tower construction be recovered?

Response

The costs associated with providing Cellco customers with the nation's most reliable wireless service network, including the cost for development of network infrastructure (small cells and macro-cells), are paid for by the individuals, corporations and government entities that purchase Cellco's service.

Site/Tower

Question No. 4

Referencing Sheet C-1 of the Application, the nearest property line from the proposed tower is about 106 feet east-southeast. Could the tower be designed with a yield point to ensure that the tower setback radius remains within the boundaries of the subject property?

Response

Yes, the tower can be designed with a yield point so that the tower setback radius remains within the boundaries of the Property.

Question No. 5

Referencing page 8 and Site Evaluation Report in Tab 1 of the Application, Cellco notes that the proposed access drive would be about 650 feet long. Referencing Sheets OS-1 and SP-1 of the Application, the proposed access drive is noted as 850 feet long. Please provide the correct access road length and include corrected sheet(s) if necessary.

Response

The proposed access drive is approximately 850 feet long.

Question No. 6

Would any blasting be required to develop the site?

Response

Cellco does not anticipate the need for blasting. If the Council approves the Docket No. 494 application, Cellco will prepare a Geotechnical Survey of the tower site to determine the nature of sub-surface conditions.

Question No. 7

Referencing page i of the Application, Cellco notes that its antennas would be attached to a platform. Would type of platform would be installed? What is the structural design standard applicable to the proposed antenna mount?

Response

Cellco intends to utilize a low-profile antenna platform (with handrail) at the Wolcott South Facility. The structural design standards for the proposed antenna mounting platform are ANSI/TIA -222-G-4; TIA-222-G-2 and Verizon NTSD 445.

Question No. 8

Referencing page 12 of the Application, Cellco notes that, "The tower itself could also be

designed to be extended up to 20 feet...” If the tower were designed to be expandable in height, would the foundation also be designed accordingly to accommodate such tower expansion?

Response

Yes, both the tower and the tower foundation would need to be designed to accommodate a tower expansion.

Question No. 9

What measures are proposed for the site to ensure security and deter vandalism, e.g. alarms, gates, locks, anti-climb fence design, etc.?

Response

The wireless facility compound will be surrounded by an eight (8) foot tall chain link security fence and gate. The gate will be locked with access limited to the wireless carriers sharing the facility. Cellco is willing to discuss and consider design changes that may make the fence more difficult to climb including but not limited to smaller chain link mesh size or the installation of privacy slats.

Typically, the monopole tower will include climbing pegs for site technicians. However, climbing page will be removed on the lower portion of the tower. Cellco’s wireless equipment cabinet will maintain a silent intrusion alarm which is monitored remotely by Cellco technician at the mobile telephone switching office in Wallingford. If an alarm is activated, local police would be called to investigate. In addition to the security measures at the tower compound, Cellco will also install a gate that can be locked, near the northerly end of the access driveway to prevent vehicles from accessing the site.

Question No. 10

Pursuant to CGS §16-50p(a)(3)(G), identify the safety standards and/or codes by which

equipment, machinery or technology that would be used or operated at the proposed facility.

Response

- 2015 International Building Code with the 2018 CT Building Code Amendments.
- National Electric Code (NFPA70).
- 2018 CT State Fire Safety Code.
- TIA-222-G-4 “Structural Standards for Steel Antenna Towers and Antenna Supporting Structures”.
- Occupational Safety and Health Administration (OSHA).

Question No. 11

Has the State of Connecticut Department of Agriculture purchased any development rights for the proposed site as part of the State Farmland Preservation Program?

Response

No.

Question No. 12

Referencing Tab 13 of the Application, Farmland Soils Map, what acreage of prime farmland soils would be impacted by the proposed access drive and underground utility route? What is the total acreage of prime farmland soils on the subject property?

Response

The access drive and utility route will impact approximately 13,127 square feet (approximately 0.30 acres) of area designated as containing prime farmland soils. The total acreage of prime farmland soil on the Property is approximately 0.95 acres.

Question No. 13

Is the site parcel part of the Public Act 490 Program? If so, how does the town land use

code classify the parcel?

Response

No.

Question No. 14

Would any tree clearing occur within core forest? If so, how many acres? Under Connecticut General Statutes §16-50k, “Core forest” means unfragmented forest land that is three hundred feet or greater from the boundary between forest land and non-forest land, as determined by the Commissioner of Energy and Environmental Protection.” How would tree clearing affect core forest? If applicable, provide the pre-construction and post-construction areas of core and edge forest at the site.

Response

A portion of the proposed access drive would be located within an Edge Forest and the proposed tower compound and a portion of the access drive near the tower compound would be located within a small Core Forest block. Tree clearing is required within these two different forest categories as follows: Edge Forest – approximately 0.59 acres and Core Forest - 0.35 acres. Please refer to the enclosed Core Forest Map provided in Exhibit 3.

The Edge Forest on the property, that 300-foot zone between Core Forest and non-forested habitat, may support species that commonly utilize this type of habitat, but it represents sub-optimal breeding habitat for forest-interior birds that prefer Core forest habitat. This is due to what is known as “edge effect”, the result of decreased forest quality, greater levels of disturbance, and increased rates of nest predation and brood parasitism within this transitional forest area. The proposed facility would only result in an impact to approximately 0.4% of the total Edge Forest area associated with this forest block.

From a landscape perspective, looking at the entirety of the small Core Forest that the project encroaches into, the proposed development would reduce the overall contiguous forest block by only 0.2% of the total forest block. The Wolcott South Facility's location in the northern outer edge of the contiguous small Core Forest block lessens its impact on this habitat. Because of the facility's location at the periphery of the small Core Forest, it will not bisect or otherwise separate the forest block. Thus, the proposed development represents a de minimis habitat reduction to core forest and the project is not anticipated to adversely impact forest interior species.

Coverage Capacity

Question No. 15

Referencing pages 8 and 9 of the Application, Cellco has identified the adjacent sites with which the proposed facility would hand off signals. Provide the antenna centerline heights for Cellco on each of those facilities and tower types (e.g. monopole).

Response

Location Name	Antenna Centerline	Structure Type
WATERBURY 4 CT	65'	Rooftop
WATERBURY 5 CT	31'	Rooftop
WATERBURY CT	128'	Monopole
WOLCOTT CT	177'	Self-Supporting Tower
WATERBURY FULTON CT	67'	Rooftop
WATERBURY EAST CT	87'	Self-Supporting Lattice
WOLCOTT N CT	135'	Self-Supporting Lattice
THOMASTON S CT	137'	Self-Supporting Lattice
WATERBURY 3 CT	147'	Monopole
WOLCOTT CTR SC CT	37'	Wood Utility Pole

Question No. 16

Would the proposed facility provide 5G services?

Response

The initial deployment plan for the Wolcott South Facility does not include the installation of 5G technology, however certain frequencies may be reused for 5G services in the future.

Question No. 17

Are all frequencies used to transmit voice and data?

Response

Yes. Initially, all frequencies would be deployed as LTE carriers and would support both voice and data traffic.

Question No. 18

What is the lowest height at which Cellco's antennas could achieve its wireless service objectives from the proposed site? What would be the consequences in terms of hand-off, coverage and/or capacity relief if the proposed tower was ten feet shorter, i.e. the antennas were located at a centerline height of 106 feet?

Response

Cellco's antennas are proposed to be located at the lowest height determined to be acceptable to meet its wireless service objectives in the area. If Cellco were required to reduce the height of its antennas to 106 feet AMSL, Cellco would experience a reduction in coverage which would in turn result in a reduced offload to the neighboring sites.

Question No. 19

Could the required coverage and capacity upgrade needs be met by a series of small cell

facilities or a distributed antenna system rather than the proposed macro tower facility?

Response

It may be theoretically and technically possible to install a large number of small cells or Distributed Antenna System nodes in the area that could closely match the coverage footprint of the proposed Wolcott South Facility (macro cell). Such an approach, however, is not economically feasible and is not consistent with good RF Engineering practice. Typically, small cell facilities or DAS nodes would utilize existing infrastructure (i.e. electric distribution poles) along public rights of way in areas where coverage and/or capacity problems exist. These existing utility poles are often encumbered by other equipment (i.e. transformers, street lights and risers) that will limit Cellco's ability to use the pole. Structural limitations of the existing poles will limit Cellco's ability to deploy all of the equipment needed to provide service in all of its operating frequencies. Providing some form of back-up power to small cells or DAS nodes is very difficult and, in many cases, impossible, making the service even more vulnerable to storm events. In areas where this existing infrastructure is not available, for example, along private roads or on private and municipal properties, property rights would need to be acquired and new poles would need to be installed.

The actual number of small cell facilities that would be needed to provide a service comparable to that from the proposed Facility is not known but would be significant given the overall size of the area that Cellco is attempting to serve with the proposed facility.

Question No. 20

What is the signal strength for which Cellco designs its system? For in-vehicle coverage?
For in-building coverage?

Response

Cellco's minimum design threshold for LTE service is -95 dB Receive Signal Reference Power (RSRP) for in-vehicle service and -85 dB RSRP for in-building service.

Question No. 21

What is the existing signal strength within the area Cellco is seeking to cover from this site?

Response

The existing RSRP signal strength in the area around the proposed Wolcott South coverage footprint ranges from -105 dBm to -90 dBm on 700MHz and from -95 dBm to non-existent on 2100MHz and 1900MHz.

Question No. 22

Does Cellco have any statistics on dropped calls and/or ineffective attempts in the vicinity of the proposed facility? If so, what do they indicate? Does Cellco have any other indicators of substandard service in this area?

Response

Our statistics show higher than normal dropped calls for Waterbury Alpha sector and Wolcott North Beta sector. Both of these would be improved significantly once the Wolcott South Facility is operational.

Question No. 23

Referencing page 8 of the Application, for 700 MHz and 850 MHz, the proposed coverage length and area are 4 miles and 20 square miles, respectively. For 1900 MHz and 2100 MHz, the proposed coverage length and area are 1 mile and 7 square miles. Explain this significant reduction in coverage at the higher frequencies.

Response

It's a law of Physics, lower frequencies propagate farther than higher frequencies and are better able to "bend" around obstructions. Radio waves at the higher operating frequencies (1900 MHz and 2100 MHz) are shorter and therefore do not propagate as far as from the transmission source those at the lower operating frequencies. The coverage area at the higher frequencies is therefore significantly smaller.

Question No. 24

Referencing Tab 6 of the Application, Coverage Maps, please provide the existing 850 MHz coverage map. Also, provide the existing and proposed 850 MHz coverage map.

Response

The 850 MHz coverage maps requested are included in Exhibit 4.

Question No. 25

Referencing page 2 of the Site Search Summary of the Application, the Wolcott South site search was initiated in 2015. Provide the approximate location of the center of the search ring and its radius.

Response

The search ring center is located very close to the proposed Wolcott South Facility and the search area has a radius of approximately 1,000 feet.

Question No. 26

Referencing pages 2 and 3 of the Site Search Summary of the Application, three raw land sites were investigated. Explain why Site Nos. 2 and 3 were rejected in favor of Site No. 1.

Response

The Wolcott South search was initiated in 2015 and over the next four and a half years

was handled by several different site acquisition consultants. Based on our review of notes and information in the site search file it appears the site acquisition consultants reached out to all the owners of the three parcels listed in the site search summary and only heard back from PAL Properties LLC. We can only conclude that the other property owners were not interested in leasing land to Cellco for a tower site.

In addition, during our review of the site search files, we discovered that a fourth parcel had apparently given some consideration as an alternative cell site. This site, a 55.3-acre parcel immediately east of the project site, presented some challenges. Based on a desk-top survey Cellco identified wetlands and vernal pools on this parcel. Access to the portion of the parcel explored for the tower site was also problematic as it would have extended through an adjoining residential lot. This site was ultimately rejected after the landowner and Cellco could not agree on business terms for a land lease.

Question No. 27

Referencing page 7 of the Application, Cellco's Waterbury site (alpha sector), Wolcott site (gamma sector) and Wolcott North site (beta sector) are currently operating at or near their capacity limits. At which frequencies? Please include a projected exhaustion date for each of these sectors. Would the deployment of the proposed facility be sufficient to address these capacity concerns, or would an additional facility be required in the near term to off-load traffic?

Response

Waterbury Alpha sector is currently operating above its capacity limit in the 700, 850, 1900, and 2100 MHz frequency ranges.

Wolcott Gamma sector and Wolcott North Beta sector are currently operating on 700 and 2100 MHz only. They will be upgraded with 850 and 1900 MHz but are projected to exhaust in

the second half of 2021. The proposed Wolcott South Facility will be sufficient to address the capacity concerns in the area bounded by these three sites.

Question No. 28

Have any other wireless carriers expressed an interest in co-locating on the proposed facility to date? Has the host municipality expressed an interest in co-locating emergency services antennas? Would Cellco provide space for municipal emergency services antennas, if requested?

Response

On October 30, 202 AT&T filed a request to intervene in the Docket No. 494 proceeding expressing an interest in sharing the proposed facility. No other wireless carrier has expressed any interest in sharing this tower. The same is true for the Town of Wolcott. Cellco will make the tower available for sharing, if requested.

Question No. 29

Would flush-mounted antennas provide the required coverage? Would the flush-mount configuration result in reduced coverage and/or necessitate greater antenna height with multiple levels of antennas? Explain.

Response

The antennas need to be in a side by side arrangement so we can take advantage of a feature called beamforming which improves capacity. Flush mounting the antennas at different heights would result in decreased capacity by preventing use from using beamforming.

Backup Power

Question No. 30

Would the backup generator have containment measures to protect against fluid leakage?

Response

As a propane-fueled generator there is no need for any type of liquid fuel containment. The generator's engine and cooling systems are designed to contain all other fluids needed for generator operations. No secondary containment measures are incorporated into the generator unit itself.

Question No. 31

What would be the respective run time for Cellco's proposed propane generator before it would need to be refueled, assuming it is running at full load under normal conditions?

Response

Under normal loading conditions, the proposed 25 kW propane generator could operate for approximately 85 hours (3.5 days) before refueling of the 500-gallon fuel tank would be necessary. If the generator were to fail, the backup battery system could keep the cell site operating for approximately eight (8) hours.

Question No. 32

What measures would the Applicant implement or employ to ensure an adequate supply of backup power for the site in the event of a propane fuel shortage?

Response

In the unlikely event of a shortage of propane fuel, Cellco would rely on its battery system for back-up power. If commercial power were interrupted for an extended period, Cellco may also consider utilizing a portable generator at the proposed cell site. Once the decision is made to deploy a portable generator to a cell site, the generator would be delivered to the site and operating within 24 hours.

Question No. 33

Could the proposed generator be shared by other carriers that may locate at the proposed facility? What effect would a shared generator have on the run time of the generator if at full load?

Response

A 25-kW generator would not be capable of supporting the operational needs of Cellco and a additional wireless carriers at the proposed cell site. The 25-kW generator would need to be replaced with a larger capacity generator (50 kW or 60 kW or 100 kW) depending upon how many additional carriers wanted to share this back-up power supply. An appropriately-sized generator for multiple carriers would likely maintain similar run times as a smaller unit supporting only one carrier.

Question No. 34

Referencing page 7 of the Application, would the battery backup be used to provide uninterrupted power and prevent a reboot condition? How long could the battery backup alone supply power to the facility in the event that the generator fails to start?

Response

Yes, battery backup system would provide uninterrupted power to the facility and prevent a “reboot” condition. The backup battery system can keep the cell site operating for up to eight (8) hours if the generator fails to start.

Public Safety

Question No. 35

Will the proposed facility support text-to-911 service? Is additional equipment required for this purpose?

Response

Yes, the proposed Facility will be capable of supporting text-to-911. No additional cell site equipment is necessary to support this service.

Question No. 36

Would Cellco's antennas comply with federal E911 requirements?

Response

Yes.

Question No. 37

Would Cellco's installation comply with the intent of the Warning, Alert and Response Network Act of 2006?

Response

Yes.

Environment

Question No. 38

Provide the total tree clearing area for the proposed project development area.

Response

The total area of tree clearing for the entire project area, including the access driveway and tower compound is approximately 1.11 acres.

Question No. 39

Would the proposed project comply with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control and the 2004 Connecticut Stormwater Quality Manual?

Response

Yes.

Question No. 40

Could the access road be rerouted to cross Wetland 1 at what appears to be a narrower portion of the wetland south of the proposed crossing? If so, please provide the length of the access road, total tree clearing area for the project, and wetland impact area.

Response

The narrower portion of the wetland was evaluated as a possible crossing location to determine if a reduction in permanent wetland impacts could be achieved. However, due to the existing topography on the west side of Wetland 1, the proximity of the easterly boundary of the Property, and ledge outcropping along the edge of Wetland 1, crossing at the narrower portion of the wetland, south of the proposed crossing would result in over 5,000 square feet of permanent impacts to accommodate grading requirements. In particular, the eastern fill slope of the access road, proximate to Wetland 1 would require a 175-foot segment extending into the wetland, representing a major contribution to the relatively large area of permanent wetland impact for this particular design.

Question No. 41

Could the Applicant maintain a vegetated buffer between the proposed access road and abutting properties to the east and west?

Response

Yes. The access road's limit of disturbance extends to within approximately 11 feet from the property line to the east and approximately 16 feet from the property line to the west. An existing vegetated buffer will remain between the access road and the abutting properties.

Question No. 42

Would the proposed project be consistent with the 2015 U.S. Army Corps of Engineers

Vernal Pool Best Management Practices?

Response

A Wetland and Vernal Pool Impact Analysis prepared by All-Points Technology Corp., P.C., (“APT”) dated August 12, 2020 and provided in the Application (Attachment 11), assessed the potential impact to one vernal pool identified in proximity to the proposed project using the Corps’ 2015 Vernal Pool Best Management Practices methodology. The proposed project avoids impacting the 100-foot Vernal Pool Envelope and results in minimal impact to the 750-foot Critical Terrestrial Habitat (“CTH”) area of only an approximately 1% increase in development within the CTH. This de minimis increase maintains the CTH “developed” area well below the established criterium. In addition, vernal pool protection measures will be implemented during construction as detailed in APT’s Wetland and Vernal Pool Impact Analysis (refer to Environmental Notes – Resources Protection Measure attachment to that document). Therefore, the project would be consistent with the Corps’ 2015 Vernal Pool Best Management Practices.

Question No. 43

Would any fuels be stored on site during construction? If yes, please provide a Spill Prevention, Control and Countermeasure Plan.

Response

No fuels will be stored on the Property during facility construction. Any equipment refueling will be completed by truck or hand.

Question No. 44

Referencing page 6 of the Visual Assessment of the Application, Cellco states “As presented on the attached viewshed maps...” Please provide such viewshed maps.

Response

The view shed maps are attached as the last two pages of the Visual Assessment behind Tab 9 of the Application. Unfortunately, it appears the viewshed maps were not included in the electronic version of the Application provided to the Council. Additional copies of the viewshed maps are attached to these responses as Exhibit 5.

Question No. 45

Would the proposed facility comply with Department of Energy and Environmental Protection (DEEP) noise control standards at the property boundaries?

Response

Yes. See the Environmental Sound Evaluation dated November 5, 2020 included Exhibit 6.

Question No. 46

Has Cellco received a response from the State Historic Preservation Office regarding the proposed project?

Response

No. Cellco has not yet submitted project information to the SHPO for review. However, as indicated in the Preliminary Historic Resources Determination in the Application (Attachment 12), no sites listed on the National Register of Historic Places are located proximate (within 1/2 mile) of the proposed Facility. Based on this information, Cellco anticipates a “No Effect” determination from SHPO.

Question No. 47

Please submit photographic site documentation with notations linked to the site plans or a detailed aerial image that identify locations of site-specific and representative site features. The

submission should include photographs of the site from public road(s) or publicly accessible area(s) as well as Site-specific locations depicting site features including, but not necessarily limited to, the following locations as applicable:

For each photo, please indicate the photo viewpoint direction and stake or flag the locations of site-specific and representative site features. Site-specific and representative site features include, but are not limited to, as applicable:

1. wetlands, watercourses and vernal pools;
2. forest/forest edge areas;
3. agricultural soil areas;
4. sloping terrain;
5. proposed stormwater control features;
6. nearest residences;
7. Site access and interior access road(s);
8. utility pads/electrical interconnection(s);
9. clearing limits/property lines;
10. mitigation areas; and
11. any other noteworthy features relative to the Project.

A photolog graphic must accompany the submission, using a site plan or a detailed aerial image, depicting each numbered photograph for reference. For each photo, indicate the photo location number and viewpoint direction, and clearly identify the locations of site-specific and representative site features shown (e.g., physical staking/flagging or other means of marking the subject area).

The submission shall be delivered electronically in a legible portable document format (PDF) with a maximum file size of <20MB. If necessary, multiple files may be submitted and clearly marked in terms of sequence.

Response

The Remote Field Review requested in attached as Exhibit 7.

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

November 11, 2020

Michael R. Van Geons
67 Oakville Avenue
Waterbury, CT 06708

Re: **Docket No. 494 - Cellco Partnership d/b/a Verizon Wireless (“Cellco”) – Proposed Telecommunications Facility off Chestnut Hill Road, Wolcott, Connecticut**

Dear Mr. Van Geons:

On August 27, 2020, the attached notice letter was sent to you, certified mail return receipt requested. I have not, to date, received a return receipt nor have I received the original mailing back indicating that the notice remains unclaimed. In an excess of caution and to ensure that you receive some notice of the above-referenced filing, I am sending this notice letter to you by regular mail.

If you have any questions regarding Cellco’s application, please contact me. Copies of the full Siting Council application are available for review on the Siting Council’s web site (www.ct.gov/csc) under the “Pending Matters” tab for Docket No. 494.

Sincerely,



Kenneth C. Baldwin

KCB/kmd
Attachment

KENNETH C. BALDWIN

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August 27, 2020

Via Certified Mail, Return Receipt Requested

Michael R. Van Geons
67 Oakville Avenue
Waterbury, CT 06708

**Re: Cellco Partnership d/b/a Verizon Wireless – Proposed Telecommunications Facility
off Chestnut Hill Road, Wolcott, Connecticut**

Dear Mr. Van Geons:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) will be submitting an application to the Connecticut Siting Council (“Council”) on or about September 2, 2020, for the construction of a new telecommunications facility in the Town of Wolcott, Connecticut.

The proposed facility would consist of a new 120-foot monopole tower in the northern portion of a 10.17-acre parcel south of Chestnut Hill Road in Wolcott (the “Property”). The tower, radio equipment, backup generator and propane fuel tank will be installed within a 50’ x 50’ fenced facility compound. Access to the facility would extend from Chestnut Hill Road along a new gravel access driveway. Site plan drawings showing the Property and the proposed facility improvements are attached for your review. The location and other features of the proposed facility, including tower height, are subject to change under the provisions of Connecticut General Statutes § 16-50g et seq. and 47 U.S.C. § 1455e.

State law provides that owners of record of property which abuts a parcel on which a facility is proposed to be located must receive notice of the submission of this application. This notice is directed to you either because you may be an abutting land owner or as a courtesy notice.

Michael R. Van Geons
August 27, 2020
Page 2

If you have any questions concerning the application, please direct them to either the Connecticut Siting Council or me. My address and telephone number are listed above. The Siting Council may be reached at its New Britain, Connecticut office at (860) 827-2935.

Very truly yours,

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

Kenneth C. Baldwin

KCB/kmd
Attachment

KENNETH C. BALDWIN

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and New York

November 11, 2020

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67 Oakville Avenue
Waterbury, CT 06708

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Also admitted in Massachusetts
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August 27, 2020

Via Certified Mail, Return Receipt Requested

Executive Hill LLC
67 Oakville Avenue
Waterbury, CT 06708

Re: **Cellco Partnership d/b/a Verizon Wireless – Proposed Telecommunications Facility off Chestnut Hill Road, Wolcott, Connecticut**

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Executive Hill LLC
August 27, 2020
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Kenneth C. Baldwin

KCB/kmd
Attachment



CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS
 20 ALEXANDER DRIVE, 2nd FLOOR
 WALLINGFORD, CT 06492

SITE NAME:
WOLCOTT_SOUTH_CT

LOCATION CODE:
469936

SITE ADDRESS:
 CHESTNUT HILL ROAD
 WOLCOTT, CT 06716



Know what's below.
 Call before you dig.

PREPARED BY:

nexius
 TRANSFORM YOUR BUSINESS...THROUGH WIRELESS

A&E OFFICE:
 300 APOLLO DRIVE, SUITE 7
 CHELMSFORD, MA 01824
 1 (978) 923-7965

APPLICANT:

CELLCO PARTNERSHIP d/b/a

verizon
 20 ALEXANDER DRIVE, 2ND FLOOR
 WALLINGFORD, CT 06492

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DRAWING SCALES ARE INTENDED FOR 24"x36" SIZE PRINTED MEDIA ONLY. ALL OTHER PRINTED SIZES ARE DEEMED "NOT TO SCALE".

SUBMITTALS

REV	DATE	DESCRIPTION	BY
0	04/28/20	FOR REVIEW	MLB
1	05/06/20	FOR CSC	MLB

SITE INFO:

SITE NAME:
WOLCOTT_SOUTH_CT

LOCATION CODE:
469936

SITE ADDRESS:
**CHESTNUT HILL ROAD
 WOLCOTT, CT 06716
 NEW HAVEN COUNTY**

SHEET TITLE:

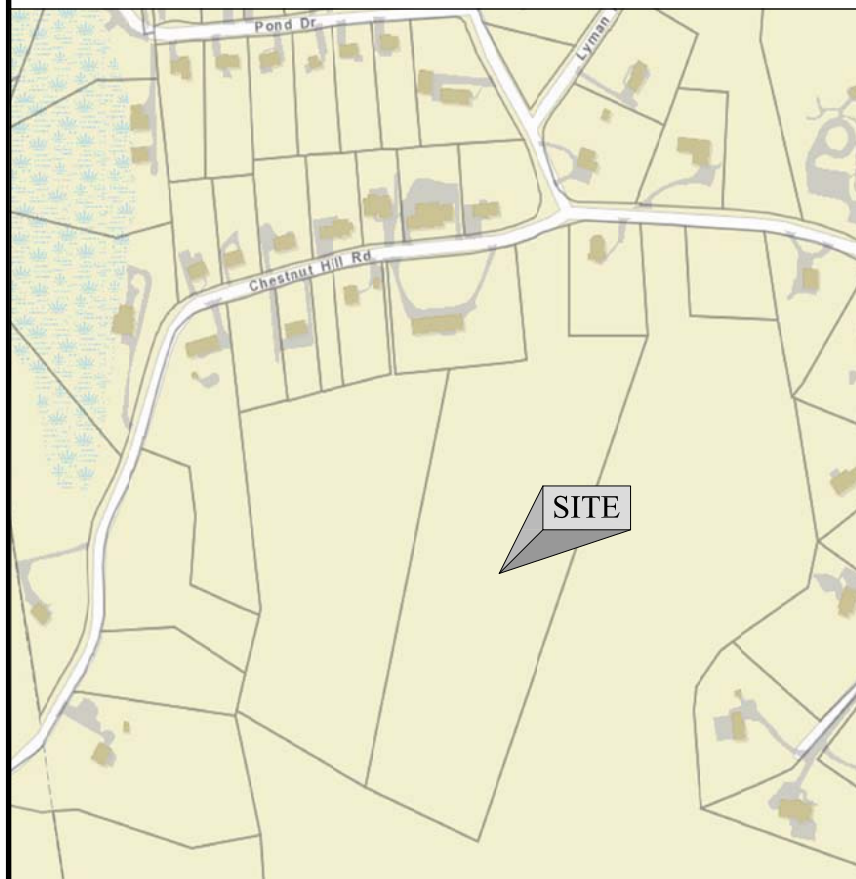
TITLE SHEET

NEXIUS PROJ. NO: VZ11509	SHEET NUMBER: T-1
CHECKED BY: KB/JM/JH	
CHECKED BY DATE: 05/06/20	

SITE INFORMATION

SITE NAME: WOLCOTT_SOUTH_CT
 LOCATION CODE: 469936
 SITE ADDRESS: CHESTNUT HILL ROAD
 WOLCOTT, CT 06716
 COUNTY: NEW HAVEN COUNTY
 LATITUDE: 41° 35' 24.03" N (NAD83)
 LONGITUDE: 73° 00' 31.02" W (NAD83)
 GROUND LEVEL: 786' A.M.S.L. (NAVD83)
 PROPERTY OWNER: PAL PROPERTIES, LLC
 1141 WOLCOTT HILL ROAD
 WOLCOTT, CT 06716
 STRUCTURE TYPE: 120'-0"± MONOPOLE
 HIGHEST APPURTENANCE: 125'-0"± LIGHTNING ROD

VICINITY MAP



GENERAL NOTES AND APPLICABLE CODES

- THIS IS AN UNSTAFFED TELECOMMUNICATION FACILITY AND NOT FOR HUMAN HABITATION.
 - HANDICAPPED ACCESS IS NOT REQUIRED.
 - POTABLE WATER OR SANITARY SERVICE IS NOT REQUIRED.
 - NO OUTDOOR STORAGE OR ANY SOLID WASTE RECEPTACLES REQUIRED.
- CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. FAILURE TO NOTIFY THE ARCHITECT/ENGINEER PLACES THE RESPONSIBILITY ON THE CONTRACTOR TO CORRECT THE DISCREPANCIES AT THE CONTRACTOR'S EXPENSE.
- DEVELOPMENT AND USE OF THE SITE WILL CONFORM TO ALL APPLICABLE CODES, ORDINANCES AND SPECIFICATIONS.
 - BUILDING CODE: 2018 CONNECTICUT STATE BUILDING CODE (IBC 2015)
 - ELECTRICAL CODE: NATIONAL ELECTRIC CODE 2017

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS::

 - AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
 - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION.
 - TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA)
 - TIA 222-G, STRUCTURAL STANDARDS FOR STEEL ANTENNA SUPPORTING STRUCTURES AND ANTENNAS WITH ADDENDUM.
 - TIA 607, GENERIC TELECOMMUNICATIONS BONDING AND GROUNDING (EARTHING) FOR CUSTOMER PREMISES.
 - INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
 - IEEE 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUNDING SYSTEM.
 - IEEE 1100 (2005) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRONIC EQUIPMENT.
 - IEEE C62.41.1, RECOMMENDED PRACTICES ON CHARACTERIZATION OF SURGES IN LOW VOLTAGE (1000V OR LESS) AC POWER CIRCUITS.
 - TELCORDIA, GR-1275, GENERAL INSTALLATION REQUIREMENTS.
 - TELCORDIA, GR-1503, COAXIAL CONNECTORS.
 - ANSI T1.311, TELECOMMUNICATIONS - DC POWER SYSTEMS - TELECOMMUNICATIONS ENVIRONMENT PROTECTION.

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

SHEET INDEX

SHEET NUMBER	SHEET DESCRIPTION
T-1	TITLE SHEET
C-1	ABUTTERS PLAN
C-2	EXISTING CONDITIONS
Z-1	COMPOUND ELEVATION, ENLARGED SITE PLAN & SEDIMENTATION NOTES
OS-1	OVERALL SITE PLAN
SP-1	PARTIAL SITE PLAN
SP-2	SITE DETAILS
SP-3	SITE DETAILS

APPROVALS

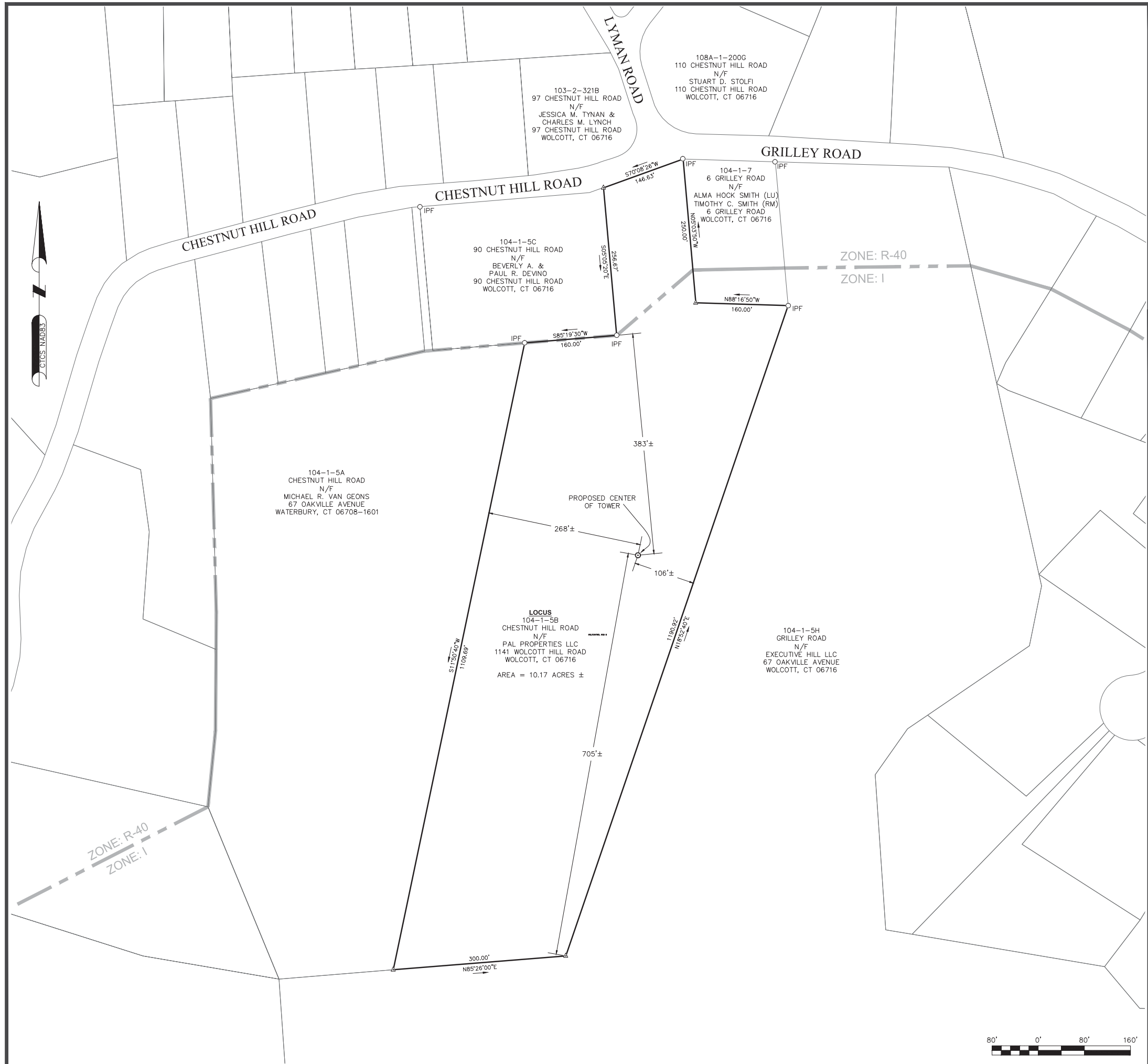
THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND MAY IMPOSE CHANGES OR MODIFICATIONS.

LEASING/SITE ACQUISITION: _____ DATE: _____

LANDLORD: _____ DATE: _____

VERIZON WIRELESS CM: _____ DATE: _____

VERIZON WIRELESS RF: _____ DATE: _____



LEGEND:

- N/F NOW OR FORMERLY
- 25-4520652 ASSESSOR'S ID
- ▲ CALCULATED POINT
- IRON PIPE/ROD FOUND
- ⊠ BOUND FOUND
- ⊙ MANHOLE
- ⊞ CATCH BASIN
- ⊘ UTILITY POLE
- ⊙ LIGHT POLE
- ⊙ TREE / BUSH
- LOCUS PROPERTY LINE
- ABUTTERS PROPERTY LINE (±)
- OHW OVERHEAD WIRES
- TREELINE
- CONTOUR LINE
- ⊘ STONE WALL

SITE SPECIFIC NOTES:

1. FIELD SURVEY DATE: 12-31-2019
2. HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)
3. VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
4. OWNER: PAL PROPERTIES LLC
1141 WOLCOTT HILL ROAD
WOLCOTT, CT 06716
5. SITE NAME: WOLCOTT SOUTH CT
6. SITE ADDRESS: CHESTNUT HILL ROAD
WOLCOTT, CT 06716
7. APPLICANT: CELCO PARTNERSHIP d/b/a
VERIZON WIRELESS
20 ALEXANDER DR., 2ND FLOOR
WALLINGFORD, CT 06492
8. JURISDICTION: TOWN OF WOLCOTT
NEW HAVEN COUNTY
9. TAX ID: 104-1-5B
10. DEED REFERENCE: BOOK 465 PAGE 301
11. PLAN REFERENCE: N/A
12. ZONING DISTRICT: R-40 & I
13. THE HORIZONTAL DATUM AND VERTICAL DATUM WERE DERIVED FROM AN RTK GPS SURVEY.
14. ALL UNDERGROUND UTILITY INFORMATION PRESENTED HEREON WAS DETERMINED FROM SURFACE EVIDENCE AND PLANS OF RECORD. ALL UNDERGROUND UTILITIES SHOULD BE LOCATED IN THE FIELD PRIOR TO COMMENCEMENT OF ALL SITE WORK. CALL DIGSAFE 1-800-322-4844 A MINIMUM OF 72 HOURS PRIOR TO PLANNED ACTIVITY.
15. ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY MAPS, THE PROPOSED IMPROVEMENTS ON THIS PROPERTY ARE LOCATED IN AN AREA DESIGNATED AS ZONE X, "AREA OF MINIMAL FLOOD HAZARD".
COMMUNITY PANEL NO. 09009 C 0109 H
EFFECTIVE DATE: 12-17-2010
16. FIELD SURVEY BY EDM TOTAL STATION & RTK GPS.
17. THIS IS NOT A BOUNDARY SURVEY.
18. ALL PROPERTY LINES SHOWN ARE FROM DEEDS AND PLANS OF RECORD AND THE TOWN OF WOLCOTT GIS AND ARE APPROXIMATE ONLY.
19. WETLANDS SHOWN HEREON WERE DELINEATED BY ALL-POINTS TECHNOLOGY CORPORATION.

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: A-2
TOPOGRAPHIC CLASS: T-2
VERTICAL CLASS: V-2

PURPOSE OF SURVEY: PROPOSED CELLULAR EQUIPMENT

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

PREPARED BY:

nexius
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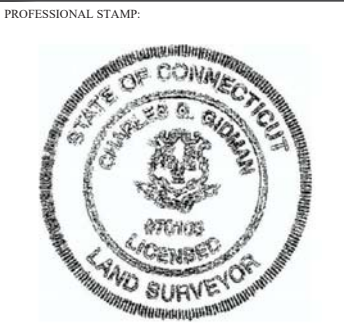
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APPLICANT:

CELLCO PARTNERSHIP d/b/a

verizon

20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492



SUBMITTALS

REV	DATE	DESCRIPTION	BY
1	01/09/2020	SUBMITTED FOR REVIEW	BCF

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LOCATION CODE:

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WOLCOTT, CT 06716

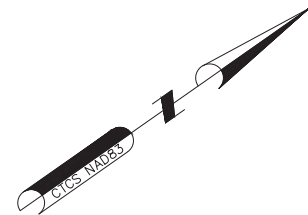
SHEET TITLE:
ABUTTERS PLAN

NEXIUS PROJ. NO:	SHEET NUMBER:
CHECKED BY:	C-1
CHECKED BY DATE: 01/23/2020	



LEGEND:

- N/F NOW OR FORMERLY
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- ▲ CALCULATED POINT
- IRON PIPE/ROD FOUND
- BOUND FOUND
- MANHOLE
- ⊞ CATCH BASIN
- ⊘ UTILITY POLE
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- ⊙ TREE / BUSH
- LOCUS PROPERTY LINE
- ABUTTERS PROPERTY LINE (±)
- OHW OVERHEAD WIRES
- TREELINE
- CONTOUR LINE
- STONE WALL



104-1-5A
CHESTNUT HILL ROAD
N/F
MICHAEL R. VAN GEONS
67 OAKVILLE AVENUE
WATERBURY, CT 06708-1601

104-1-5C
90 CHESTNUT HILL ROAD
N/F
BEVERLY A. & PAUL R.
DEVINO
90 CHESTNUT HILL ROAD
WOLCOTT, CT 06716

LOCUS
104-1-5B
CHESTNUT HILL ROAD
N/F
PAL PROPERTIES LLC
1141 WOLCOTT HILL ROAD
WOLCOTT, CT 06716

104-1-7
6 GRILLEY ROAD
N/F
ALMA HOCK SMITH (LU)
TIMOTHY C. SMITH (RM)
6 GRILLEY ROAD
WOLCOTT, CT 06716

104-1-5H
GRILLEY ROAD
N/F
EXECUTIVE HILL LLC
67 OAKVILLE AVENUE
WOLCOTT, CT 06716

PROPOSED CENTER
OF TOWER
LAT: 41°35'24.03"
LON: 73°00'31.02"
N: 775811.59
E: 929255.11
GROUND EL: 786'±

-CONTROL POINT A-
IRON ROD SET
N: 775830.12
E: 929130.05

TBM
EL=777.38'
SPIKE IN ROOT
OF 6" BLACK BIRCH

-CONTROL POINT B-
IRON ROD SET
N: 775678.57
E: 929185.09



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nexius
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SHEET TITLE:

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CHECKED BY:
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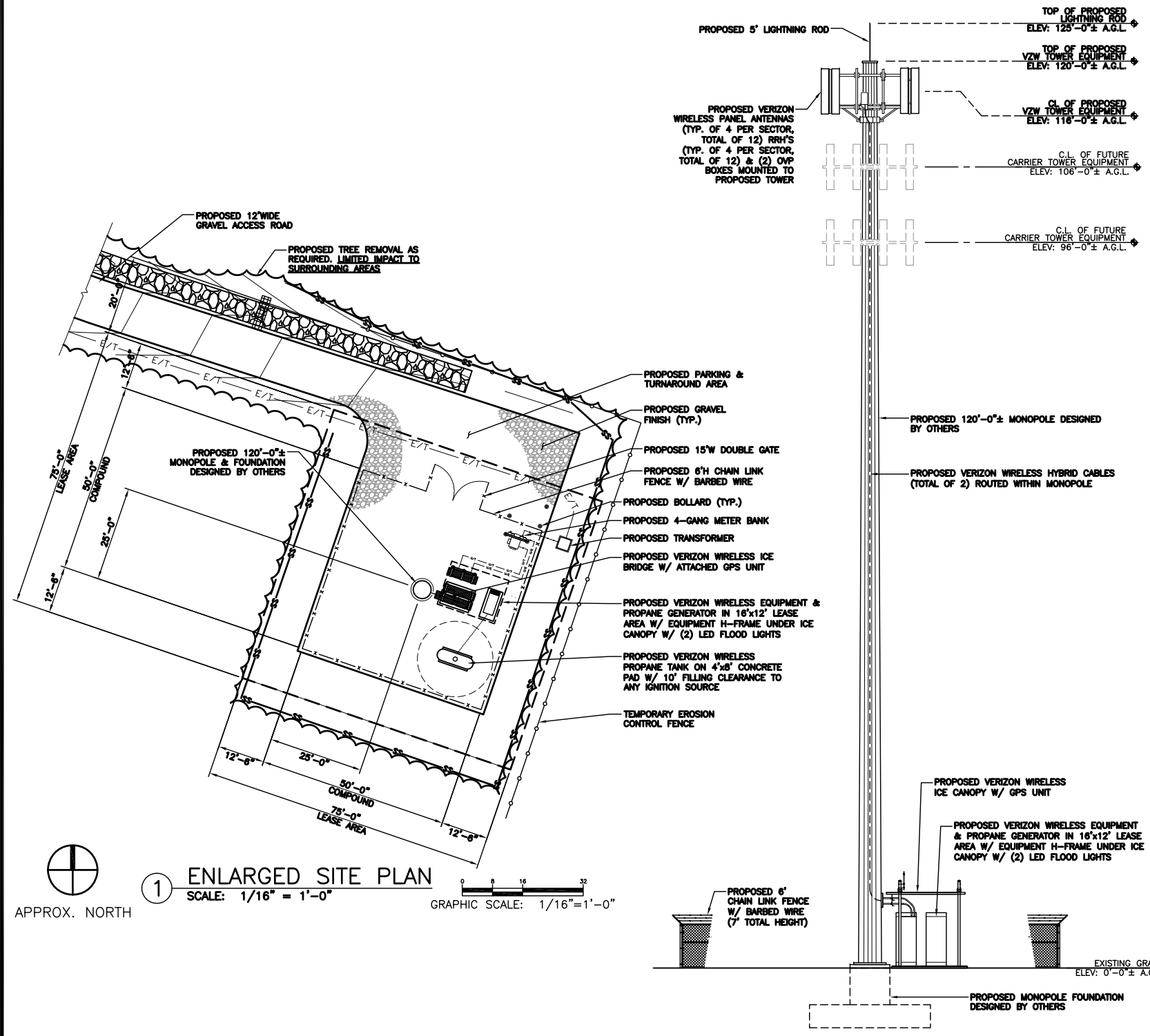
CHECKED BY DATE:
01/23/2020

C-2

- PROPOSED MONOPOLE:**
1. THE MONOPOLE SHALL BE CONSTRUCTED WITH GALVANIZED STEEL.
 2. NO FAA OBSTRUCTION LIGHTING IS PROPOSED UNLESS IT IS REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION.
 3. ALL REFERENCES TO THE TOWER AND ITS FOUNDATION ARE TO BE DIRECTED TO THE DESIGN DETAIL DRAWINGS BY THE TOWER SUPPLIER.
 4. PROPOSED WIRELESS ANTENNAS SHALL BE INSTALLED IN ACCORDANCE WITH THE SITE SPECIFIC RF ANTENNA DESIGN SHEET SUPPLIED BY THE WIRELESS RF SYSTEMS DESIGN ENGINEER AND IN ACCORDANCE WITH SITTING COUNCIL APPROVAL.

EROSION & SEDIMENTATION CONTROL NOTES

1. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
2. AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PCSM PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING.
3. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION.
4. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
5. CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPS SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
6. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
7. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAP(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
8. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
9. ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 260.1 ET SEQ., 271.1, AND 287.1 ET. SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
10. ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
11. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
12. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS.
13. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
14. A LOG SHOWING DATES THAT E&S BMPS WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
15. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
16. ALL SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS.
17. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES --- 6 TO 12 INCHES ON COMPACTED SOILS --- PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
18. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
19. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
20. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
21. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
22. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
23. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
24. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
25. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
26. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
27. E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
28. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPS.
29. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPS MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPS. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE BMPS SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
30. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.
31. CONSTRUCTION ACTIVITY WILL BE CONDUCTED IN ACCORDANCE WITH THE BASIC STABILIZATION STANDARDS OF MAINE'S EROSION & SEDIMENTATION CONTROL LAW, 38 M.R.S.A. SECTION 420-C.
32. THE CONSTRUCTION OF THIS FACILITY WILL HAVE NO EFFECT ON STORMWATER RUNOFF.



1 ENLARGED SITE PLAN
SCALE: 1/16" = 1'-0"
GRAPHIC SCALE: 1/16" = 1'-0"

1 TOWER ELEVATION
SCALE: 1/8" = 1'-0"
GRAPHIC SCALE: 1/8" = 1'-0"

PREPARED BY:



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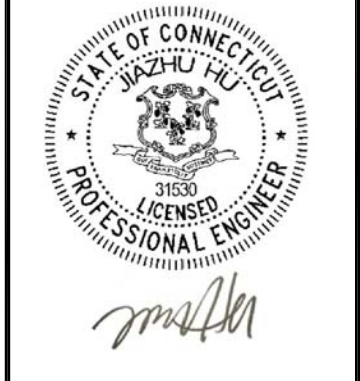
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WALLINGFORD, CT 06492

PROFESSIONAL STAMP:



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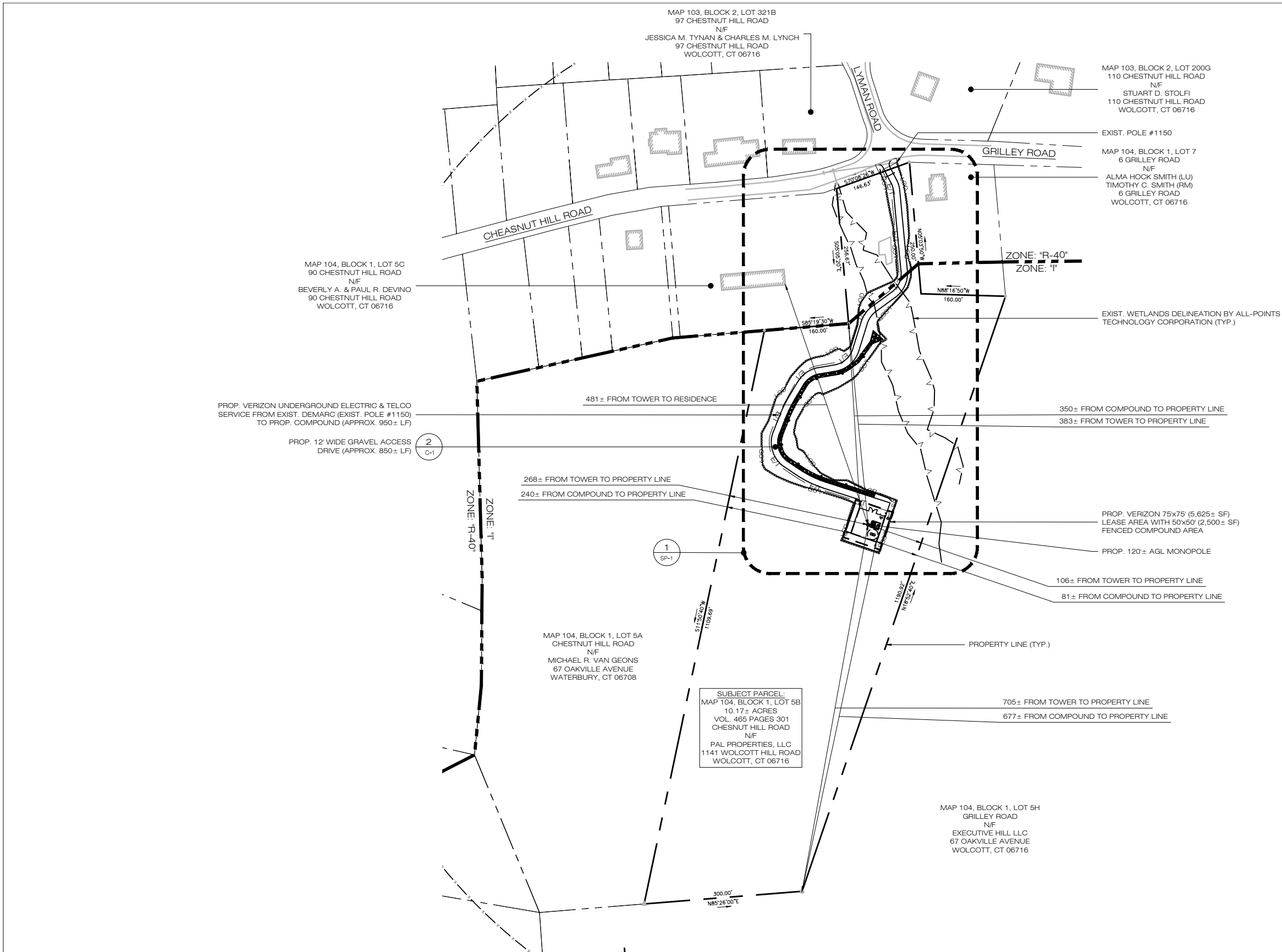
SITE NAME:
WOLCOTT_SOUTH_CT

LOCATION CODE:
469936

SITE ADDRESS:
**CHESTNUT HILL ROAD
WOLCOTT, CT 06716
NEW HAVEN COUNTY**

SHEET TITLE:
**COMPOUND ELEVATION,
ENLARGED SITE PLAN &
SEDIMENTATION NOTES**

NEXIUS PROJ. NO: VZ11509	SHEET NUMBER: Z-1
CHECKED BY: KB/JM/JH	
CHECKED BY DATE: 05/06/20	



PERMITTING DOCUMENTS		
NO	DATE	REVISION
0	04/28/20	FOR REVIEW: BJP
1	05/06/20	FOR CSC: BJP
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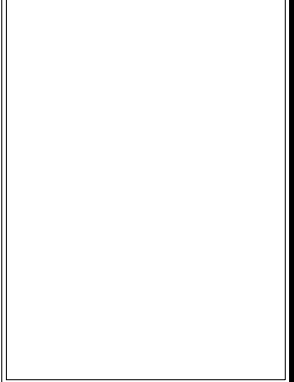
DESIGN PROFESSIONALS OF RECORD	
PROF:	SCOTT M. CHASSE P.E.
COMP:	APT ENGINEERING
ADD:	567 VAUXHALL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385

SITE AREAS & VOLUMES OF EARTHWORK	
SITework	ENTAILS APPROXIMATELY 3,000 CY OF EXCESS MATERIAL. THE COMPOUND AND ROADWAY WILL IMPORT APPROXIMATELY 415 CUBIC YARDS OF CLEAN BROKEN STONE. THE UTILITY TRENCH FROM THE DEMARC TO THE COMPOUND WILL EXCAVATE APPROXIMATELY 495 CUBIC YARDS OF MATERIAL THAT WILL BE USED TO BACKFILL THE TRENCH.
COMPOUND AREA SLOPES:	EXISTING - 0%-2% PROPOSED - 1.0%
TOTAL AREA OF DISTURBANCE	= 48,400± SF
STORMWATER VELOCITY:	PRIOR TO GROUND COVER < 3.0 FT/SEC FOLLOWING GROUND COVER < 3.0 FT/SEC
STORMWATER VOLUME:	PROPOSED IMPERVIOUS AREA = 13,980 SF WATER QUALITY STD VOLUME (1") = 1,165 CF STORAGE VOLUME (6" DEPTH, 40% VOIDS) = 541 CF
GROUND COVER TO BE ESTABLISHED AS FOLLOWS (U.O.N.):	- WHITE CLOVER @ 0.20#/- SF - TALL FESCUE @ 0.45#/- SF - RYEGRASS @ 0.10#/- SF

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TECHNOLOGY CORPORATION
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WATERFORD, CT 06385 PH: (860)-663-1697
WWW.ALLPOINTSCT.COM FAX: (860)-663-0935

DESIGN PROFESSIONALS OF RECORD	
PROF:	SCOTT M. CHASSE P.E.
COMP:	APT ENGINEERING
ADD:	567 VAUXHALL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385



VERIZON AT
WOLCOTT_SOUTH_CT

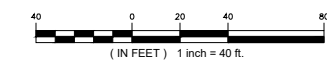
SITE: CHESNUT HILL ROAD
ADDRESS: WOLCOTT, CT 06716
APT FILING NUMBER: NY141NB7300
DRAWN BY: CSH
DATE: 04/28/20 CHECKED BY: BJP

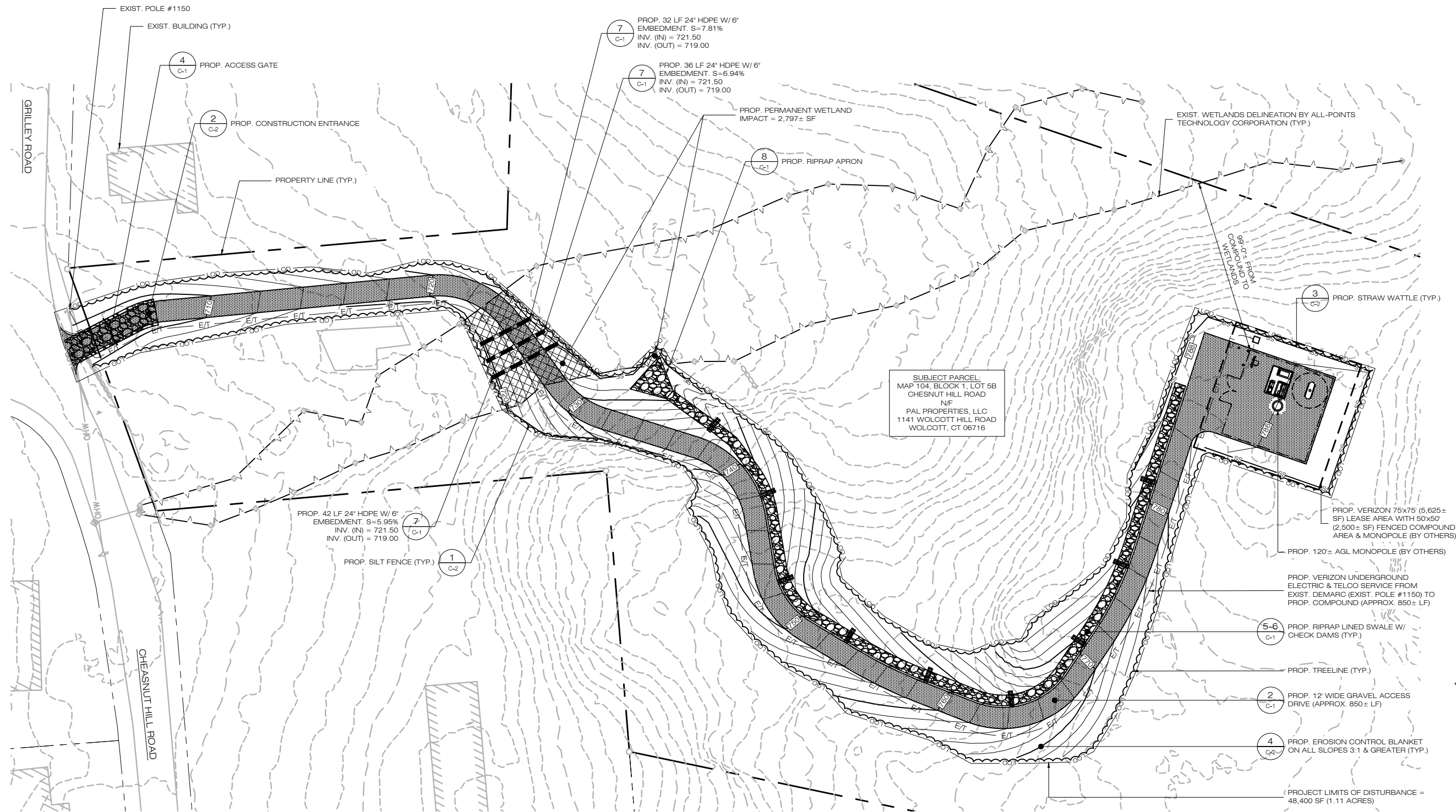
SHEET TITLE:
OVERALL SITE PLAN

SHEET NUMBER:
OS-1

- BASE MAPPING FOR SHEETS R-1 & SP-1 FROM:
- "ABUTTERS PLAN" & "EXISTING CONDITIONS" OF WOLCOTT SOUTH CT, CHESTNUT HILL ROAD, WOLCOTT CT, 06716, PREPARED FOR NEXIUS, PREPARED BY NORTHEAST SURVEY CONSULTANTS, 116 PLEASANT STREET, SUITE 302, EASTHAMPTON, MA 01027, OFFICE: (413) 203-5144
 - CONTOUR DATA FROM (CT ECO - CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION & UCONN CENTER FOR LAND USE EDUCATION AND RESEARCH) 2016 USGS QUALITY LEVEL 2 LIDAR.

1 OS-1 OVERALL SITE PLAN
SCALE: 1" = 100'-0"





SUBJECT PARCEL:
 MAP 104, BLOCK 1, LOT 5B
 CHESNUT HILL ROAD
 N/F
 PAL PROPERTIES, LLC
 1141 WOLCOTT HILL ROAD
 WOLCOTT, CT 06716

1 PARTIAL SITE PLAN
 SP-1 SCALE: 1" = 30'-0"
 (IN FEET) 1 inch = 30 ft.

BASE MAPPING FOR SHEETS R-1 & SP-1 FROM:

- "ABUTTERS PLAN" & "EXISTING CONDITIONS" OF WOLCOTT SOUTH CT, CHESTNUT HILL ROAD, WOLCOTT CT, 06716, PREPARED FOR NEXIUS, PREPARED BY NORTHEAST SURVEY CONSULTANTS, 116 PLEASANT STREET, SUITE 302, EASTHAMPTON, MA 01027, OFFICE: (413) 203-5144
- CONTOUR DATA FROM (CT ECO - CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION & UCONN CENTER FOR LAND USE EDUCATION AND RESEARCH) 2016 USGS QUALITY LEVEL 2 LIDAR.

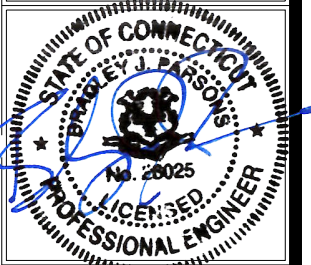
Celco Partnership d/b/a
verizon
 20 ALEXANDER DRIVE
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ALL-POINTS
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 567 VAUXHALL STREET EXTENSION - SUITE 311
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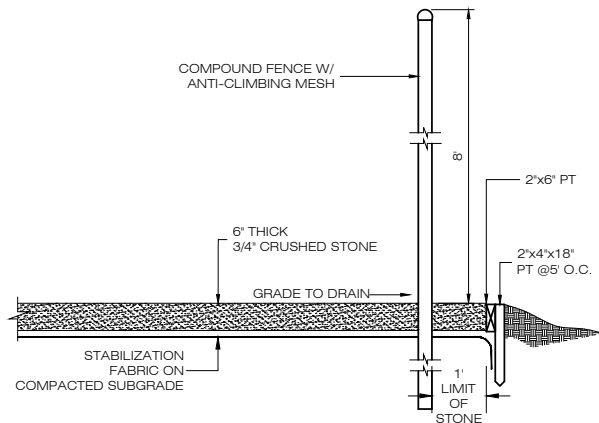
DESIGN PROFESSIONALS OF RECORD
 PROF: SCOTT M. CHASSE P.E.
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 ADD: 567 VAUXHALL STREET
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 WATERFORD, CT 06385



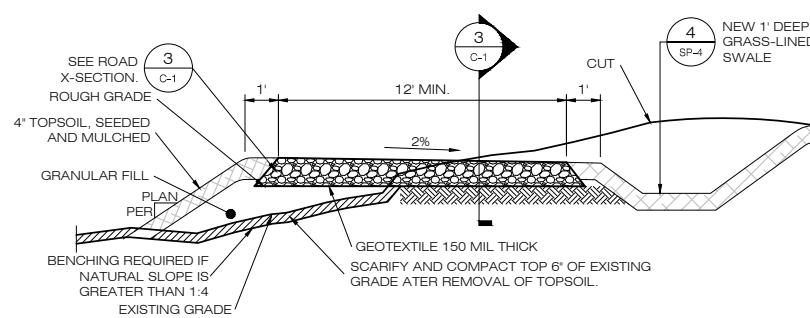
VERIZON AT
 WOLCOTT SOUTH CT
 SITE: CHESNUT HILL ROAD
 ADDRESS: WOLCOTT, CT 06716
 APT FILING NUMBER: NY141NB7300
 DRAWN BY: CSH
 DATE: 04/28/20 CHECKED BY: BJP

SHEET TITLE:
PARTIAL SITE PLAN

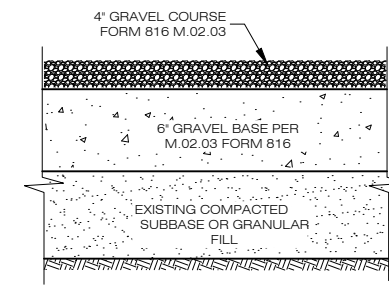
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SP-1



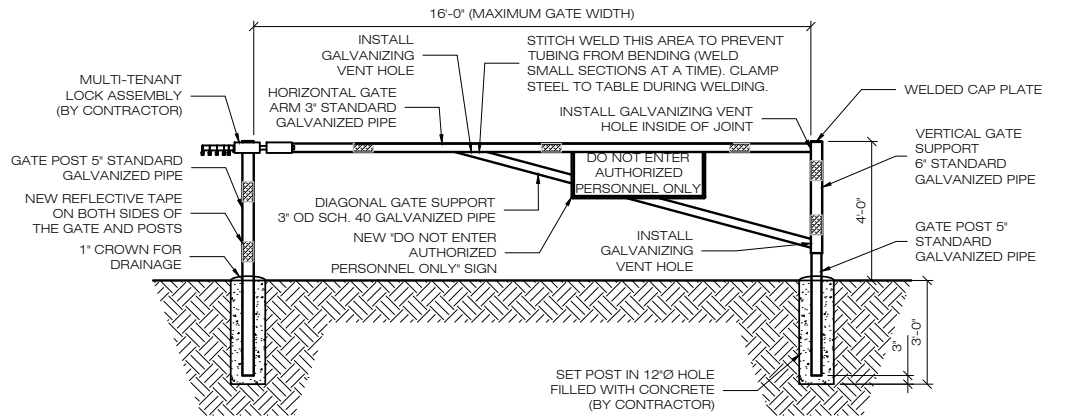
1 COMPOUND DETAIL
C-1 SCALE: N.T.S.



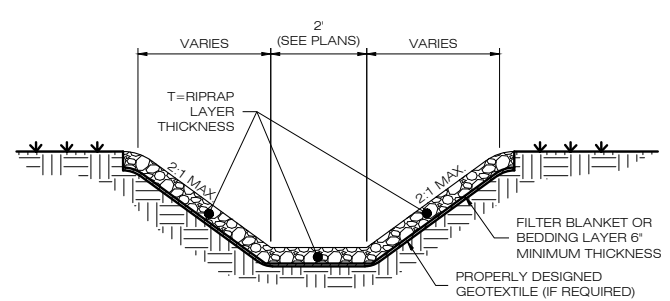
2 TYPICAL ROAD CROSS SECTION
C-1 SCALE: N.T.S.



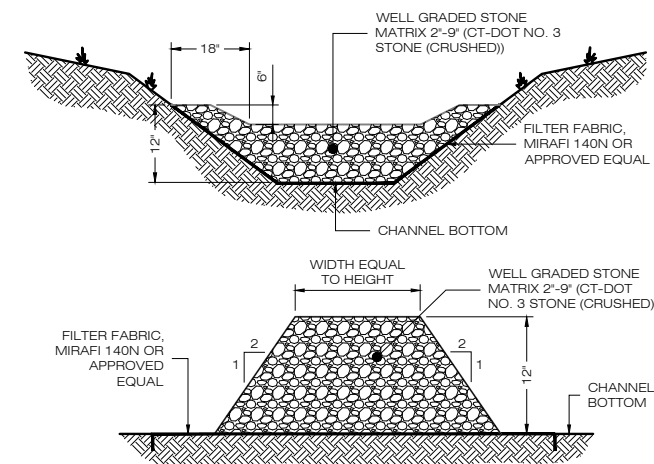
3 GRAVEL ROAD SECTION
C-1 SCALE: N.T.S.



4 ENTRANCE GATE DETAIL
C-1 SCALE: N.T.S.



5 RIPRAP LINED SWALE
C-1 SCALE: N.T.S.

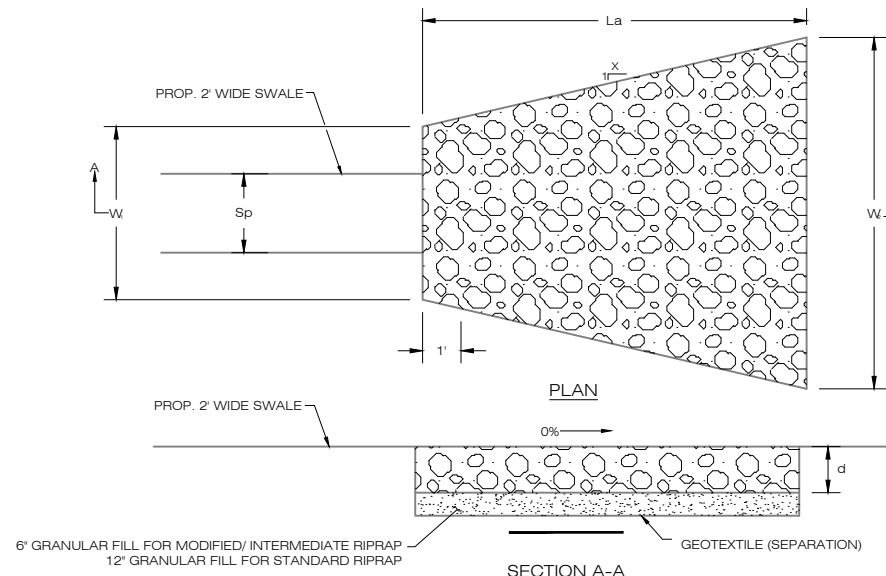


6 STONE CHECK DAM
C-1 SCALE: N.T.S.

PIPE DIA.	MIN. TRENCH WIDTH
6"	23"
8"	26"
10"	28"
12"	30"
15"	34"
18"	39"
24"	48"
30"	56"
36"	64"
48"	80"
60"	96"

- NOTES:**
- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
 - MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
 - FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
 - BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4'-24" (100mm-600mm); 6" (150mm) FOR 30'-60" (750mm-900mm).
 - INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
 - MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLATION FOR TRAFFIC APPLICATIONS. MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

7 HDPE STORM DRAINAGE TRENCH DETAIL
C-1 SCALE: N.T.S.



LEGEND

Sp= INSIDE PIPE DIAMETER
La= LENGTH OF RIPRAP APRON
d= 12" MODIFIED RIPRAP
18" INTERMEDIATE RIPRAP
36" STANDARD RIPRAP

TYPE	X	W ₁	W ₂
TYPE A RIPRAP APRON	3	3Sp	3Sp + 0.7 La
TYPE B RIPRAP APRON	5	3Sp	3Sp + 0.4 La

OUTLET (IN)	SWALE WIDTH Sp (FT)	APRON LENGTH La (FT)	APRON INITIAL WIDTH W1 (FT)	APRON TERMINAL WIDTH W2 (FT)	RIPRAP SPECIFICATION
O-1	2	19	6	25	MODIFIED

8 RIPRAP APRON
C-1 SCALE: N.T.S.

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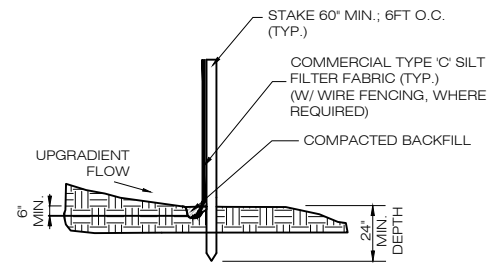
DESIGN PROFESSIONALS OF RECORD
PROF: SCOTT M. CHASSE P.E.
COMP: APT ENGINEERING
ADD: 567 VAUXHALL STREET
EXTENSION - SUITE 311
WATERFORD, CT 06385



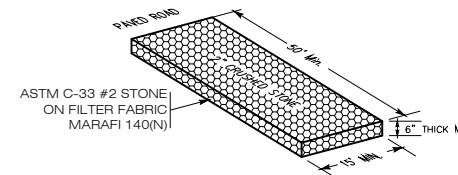
VERIZON AT
WOLCOTT_SOUTH_CT
SITE CHESNUT HILL ROAD
ADDRESS: WOLCOTT, CT 06716
APT FILING NUMBER: NY141NB7300
DRAWN BY: CSH
DATE: 04/28/20 CHECKED BY: BJP

SHEET TITLE:
SITE DETAILS

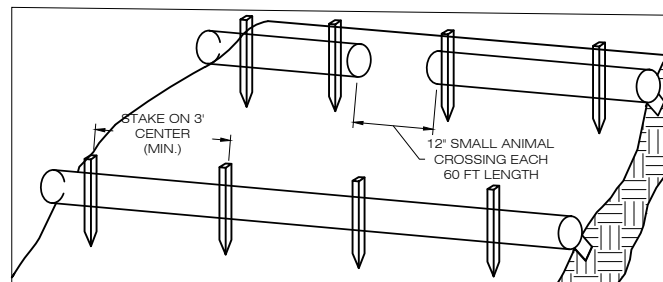
SHEET NUMBER:
SP-2



1
C-2 **GEOTEXTILE SILT FENCE DETAIL**
SCALE: N.T.S.



2
C-2 **(CE) CONSTRUCTION ENTRANCE DETAIL**
SCALE: N.T.S.



- BEGIN AT THE LOCATION WHERE THE SOCK IS TO BE INSTALLED BY EXCAVATING A 2-3" (5-7.5 CM) DEEP X 9" (22.9 CM) WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP SLOPE FROM THE ANCHOR TRENCH.
- PLACE THE SOCK IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE SOCK ON THE UPHILL SIDE. SOCKS SHALL BE INSTALLED IN 60 FT CONTINUOUS LENGTHS WITH ADJACENT SOCKS TIGHTLY ADJUT. EVERY 60 FT THE SOCK ROW SHALL BE SPACED 12 INCHES CLEAR, END TO END, FOR AMPHIBIAN AND REPTILE TRAVEL. THE OPEN SPACES SHALL BE STAGGERED MID LENGTH OF THE NEXT DOWN GRADIENT SOCK.
- SECURE THE SOCK WITH 18-24" (45.7-61 CM) STAKES EVERY 3-4' (0.9 -1.2 M) AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE SOCK LEAVING AT LEAST 2-3" (5-7.5 CM) OF STAKE EXTENDING ABOVE THE SOCK. STAKES SHOULD BE DRIVEN PERPENDICULAR TO THE SLOPE FACE.

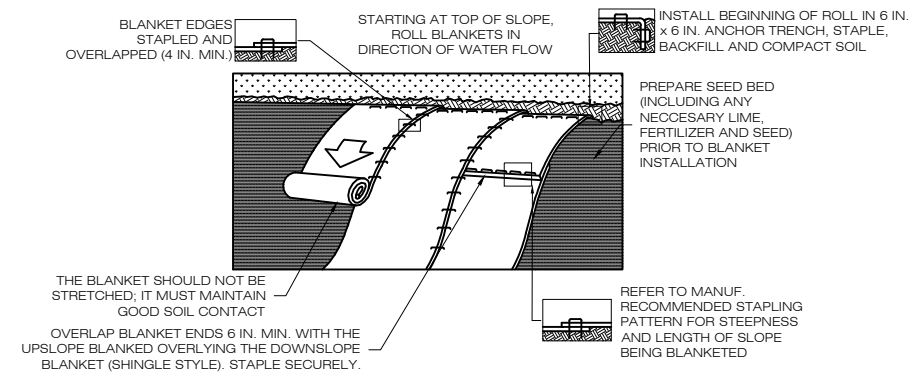
3
C-2 **COMPOST FILTER SOCK SEDIMENTATION CONTROL BARRIER**
SCALE: N.T.S.

SEQUENCE OF CONSTRUCTION

- PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECPs), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECPs IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF RECPs EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECPs WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO THE COMPACTED SOIL AND FOLD THE REMAINING 12" PORTION OF RECPs BACK OVER THE SEED AND COMPACTED SOIL. SECURE RECPs OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE RECPs.
- ROLL THE RECPs DOWN HORIZONTALLY ACROSS THE SLOPE. RECPs WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECPs MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.
- THE EDGES OF PARALLEL RECPs MUST BE STAPLED WITH APPROXIMATELY 2" - 5" OVERLAP DEPENDING ON THE RECPs TYPE.
- CONSECUTIVE RECPs SPLICED DOWN THE SLOPE MUST BE END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE RECPs WIDTH.

NOTES:

- PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.
- SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.
- BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.
- THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.



4
C-2 **EROSION CONTROL BLANKET STEEP SLOPES**
SCALE: N.T.S.

Cellco Partnership d/b/a

verizon

20 ALEXANDER DRIVE
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DESIGN PROFESSIONALS OF RECORD

PROF: SCOTT M. CHASSE P.E.
COMP: APT ENGINEERING
ADD: 567 VAUXHALL STREET
EXTENSION - SUITE 311
WATERFORD, CT 06385



VERIZON AT
WOLCOTT SOUTH CT

SITE
ADDRESS: WOLCOTT, CT 06716

APT FILING NUMBER: NY141NB7300

DRAWN BY: CSH
DATE: 04/28/20 CHECKED BY: BJP

SHEET TITLE:

SITE DETAILS

SHEET NUMBER:

SP-3

AFFIDAVIT OF PUBLICATION

LEGAL NOTICE

Notice is hereby given, pursuant to Section 16-50(b) of the Connecticut General Statutes and Regulations pertaining thereto, of an Application to be submitted to the Connecticut Siting Council ("Council") on or about September 2, 2020, by Cellco Partnership d/b/a Verizon Wireless ("Cellco" or the "Applicant"). The Application proposes the installation of a wireless telecommunications tower and related facility in the northern portion of an approximately 10.17-acre parcel south of Chestnut Hill Road in Wolcott, Connecticut. Cellco proposes to construct a 120-foot monopole tower within a 50' x 50' fenced compound. Access to the facility will extend from Chestnut Hill Road over a new gravel driveway to the cell site. Cellco will also install equipment cabinets, a propane-fueled generator and a propane fuel tank within the fenced compound. The location and other features of the proposed facility are subject to change under provisions of Connecticut General Statutes § 16-50g et. seq.

On the day of the Siting Council public hearing on this proposal, Cellco may be asked to fly a balloon at the height of the proposed tower described above. Interested parties and residents of the Town of Wolcott are invited to review the Application electronically at www.ct.gov/csc or during normal business hours at any of the following offices:

Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Thomas Dunn, Mayor
Wolcott Town Hall
10 Kenea Avenue
Wolcott, CT 06716

Neil M. O'Leary, Mayor
City of Waterbury
235 Grand Street
Waterbury, CT 06702

Cellco Partnership
d/b/a Verizon Wireless
20 Alexander Drive
Wallingford, CT 06492

Wolcott Town Clerk
Wolcott Town Hall
10 Kenea Avenue
Wolcott, CT 06716

Michael Dalton, City Clerk
City of Waterbury
235 Grand Street
Waterbury, CT 06702

or the offices of the undersigned. All inquiries should be addressed to the Connecticut Siting Council or to the undersigned.

CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS

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

R-A Aug. 27 & 28, 2020

STATE OF CONNECTICUT
County of New Haven Waterbury

October 29th 20 20

The subscriber, being duly sworn, deposes and says that he (she) is the bookkeeper of the **Republican-American** and that the foregoing notice for

ROBINSON & COLE

was published in said **Republican-American** in 2 editions of said newspaper issued between **08/27/20** and **08/28/20**

mark A

SUBSCRIBED AND SWORN BEFORE ME THIS THE 29th
day of October 20 20

Doris A Zarkas
Notary Public

My Commission Expires: 11/30/2021





Legend

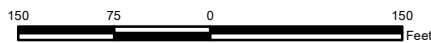
- Proposed Verizon Wireless Site Layout
- Proposed Limits of Disturbance
- Proposed Verizon Power and Telco Service
- Subject Property
- Approximate Parcel Boundary (CTDEEP GIS)

Existing Forest Block (+/- 305 Acres)

- Type:
- Edge Forest (+/- 153 Acres)
 - Core Forest (+/- 152 Acres)

**Existing Forest within the Limits of Disturbance:
 +/- 0.35 Acre of Core Forest
 +/- 0.59 Acre of Edge Forest*

Map Notes:
 Base Map Source: CTECO 2019 Aerial Photograph
 Map Scale: 1 inch = 150 feet
 Map Date: October 2020

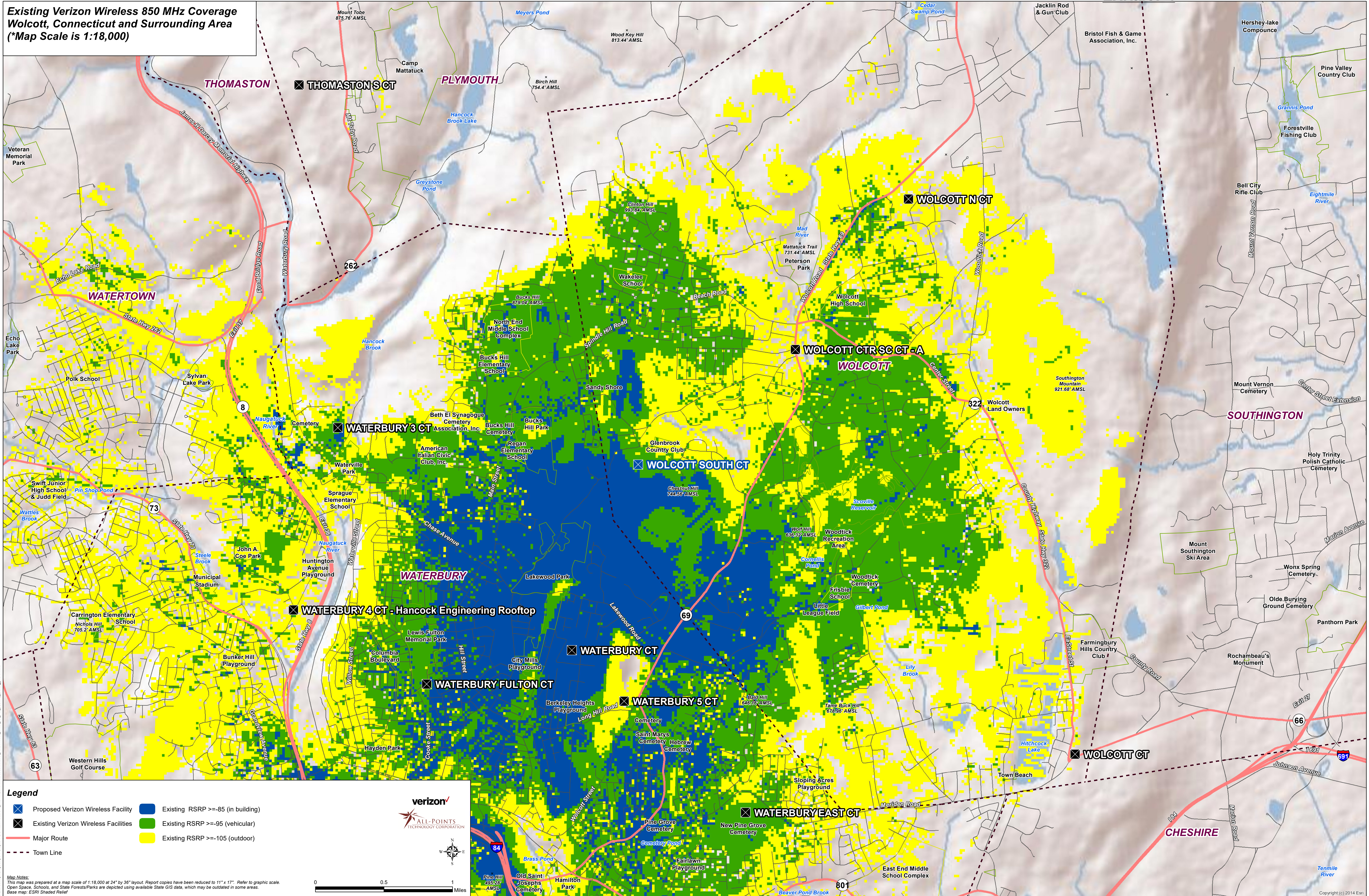


Core Forest Map

Proposed Wireless
 Telecommunications Facility
 Wolcott South CT
 Chestnut Hill Road
 Wolcott, Connecticut



Existing Verizon Wireless 850 MHz Coverage
Wolcott, Connecticut and Surrounding Area
(*Map Scale is 1:18,000)



Legend

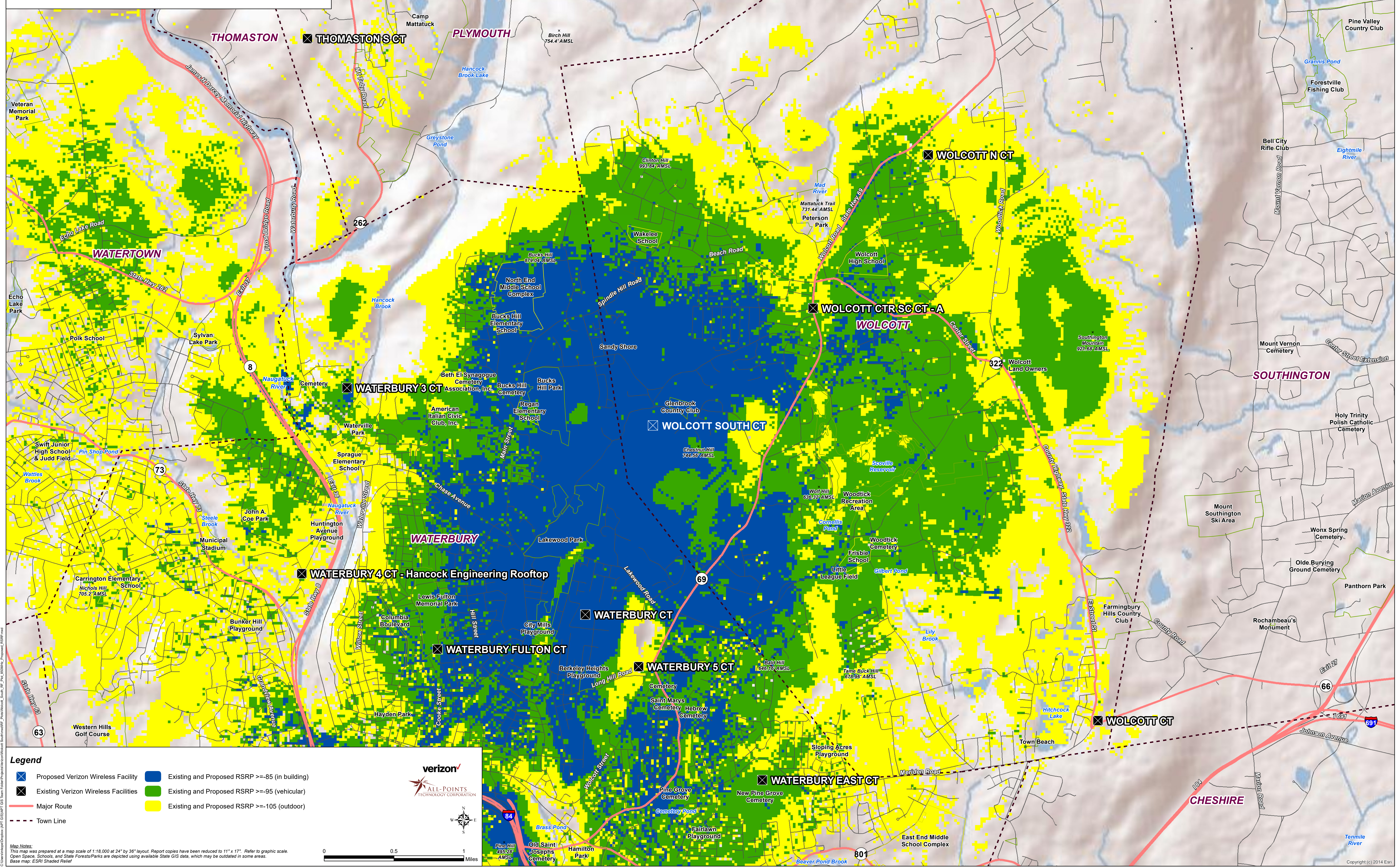
- Proposed Verizon Wireless Facility
- Existing Verizon Wireless Facilities
- Major Route
- Town Line
- Existing RSRP >=85 (in building)
- Existing RSRP >=95 (vehicular)
- Existing RSRP >=105 (outdoor)

Map Notes:
This map was prepared at a map scale of 1:18,000 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

verizon
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TECHNOLOGY CORPORATION

0 0.5 1 Miles

Existing and Proposed Verizon Wireless 850 MHz Coverage
Wolcott, Connecticut and Surrounding Area
(*Map Scale is 1:18,000)



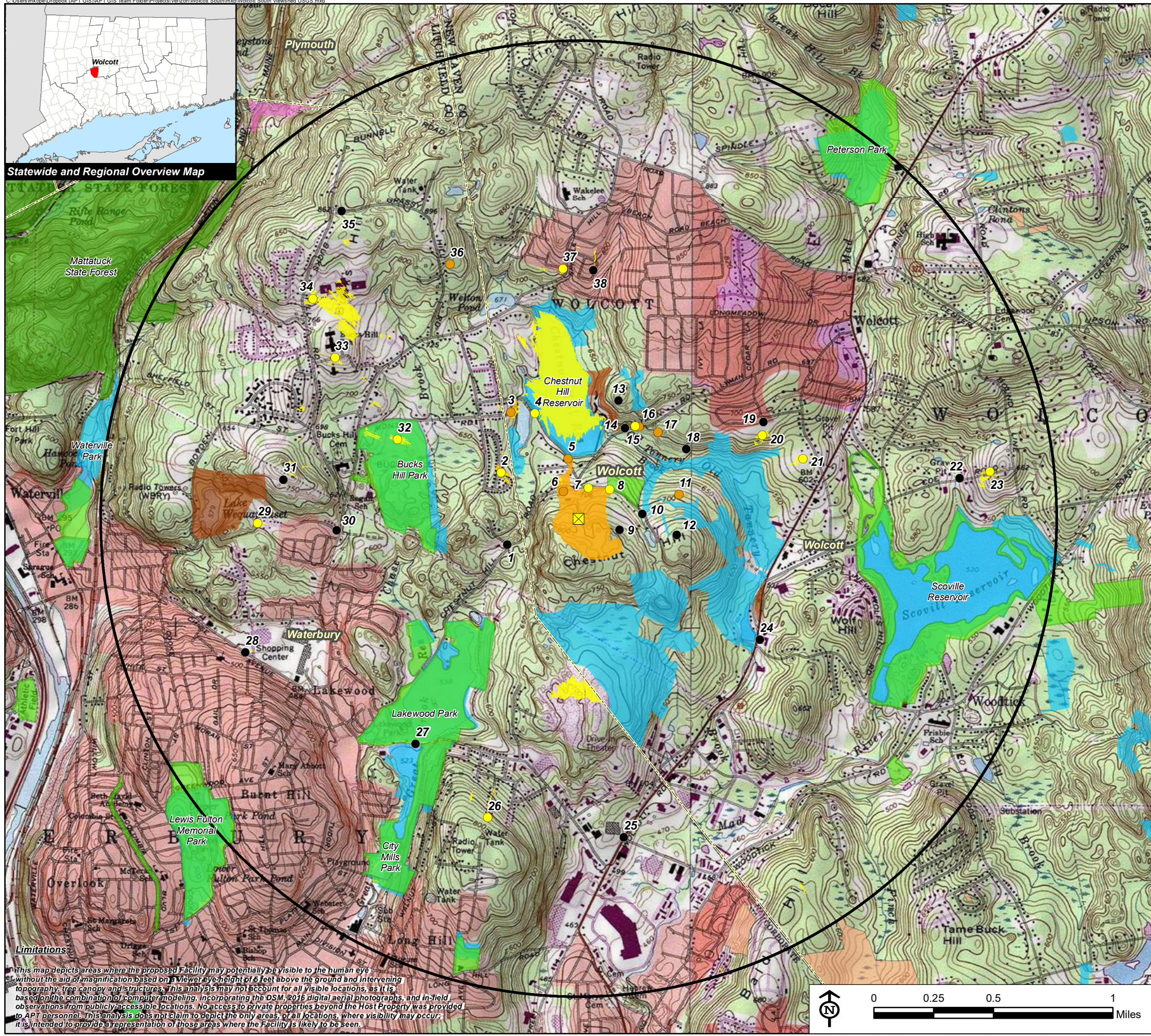
Legend

- 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)
- Existing and Proposed RSRP >= -105 (outdoor)

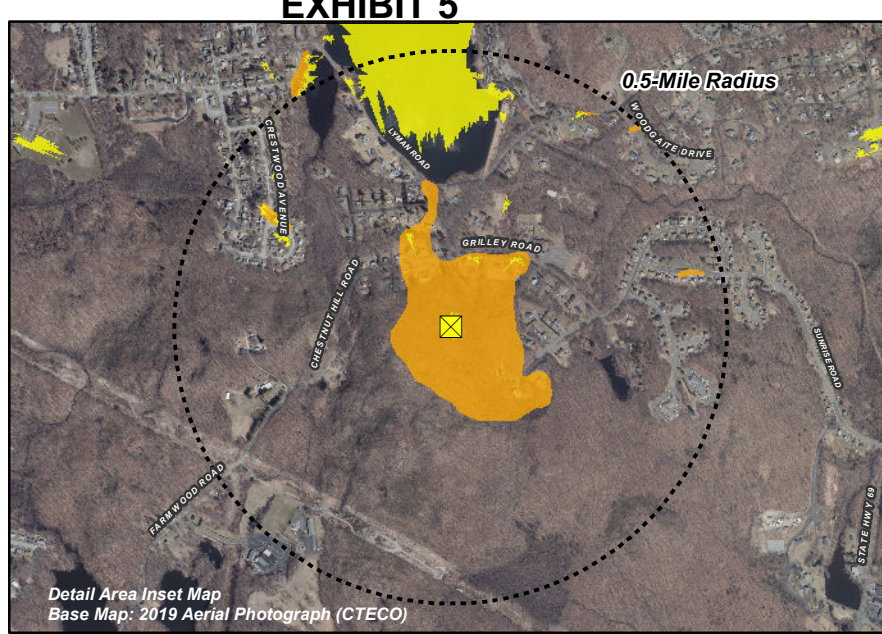
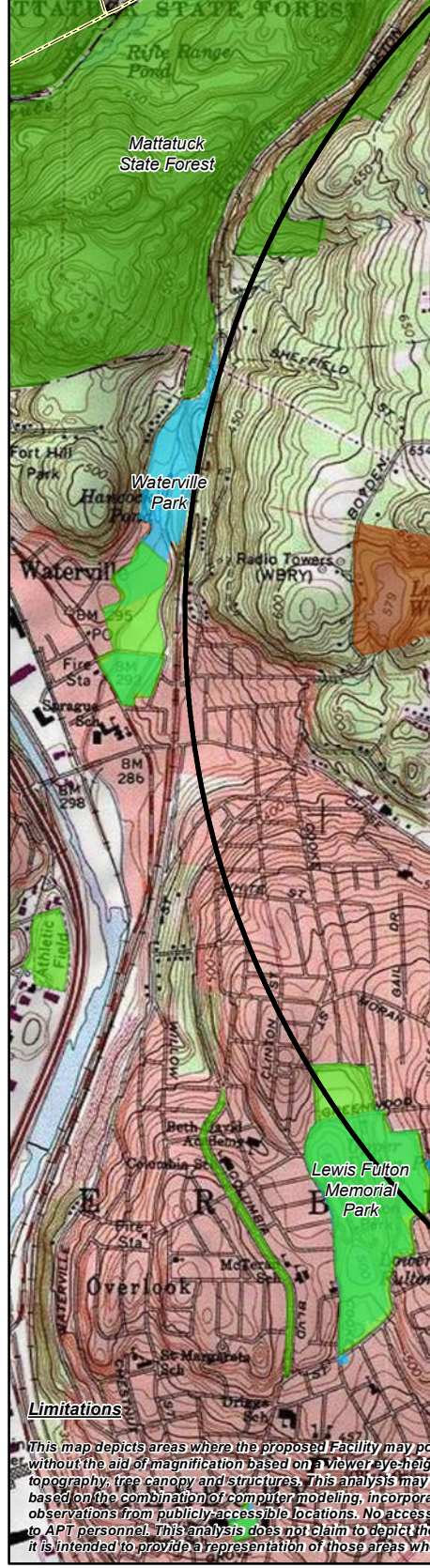
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Base map: ESRI Shaded Relief

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0 0.5 1 Miles



Statewide and Regional Overview Map



Viewshed Analysis Map
 Proposed Wireless Telecommunications Facility
 Wolcott South CT
 Chestnut Hill Road
 Wolcott, Connecticut

Proposed facility height is 120 feet AGL.
 Forest canopy height is derived from LiDAR data.
 Study area encompasses a two-mile radius and includes 8,042 acres.
 Map information field verified by APT on January 14, 2020
 Base Map Source: USGS 7.5 Minute Topographic Quadrangle Maps, Southington, CT (1992) and Waterbury, CT (1984)
 Map Date: April 2020

- Legend**
- Proposed Site
 - Study Area (2-Mile Radius)
 - Year-Round
 - Seasonal
 - Not Visible
 - Predicted Year-Round Visibility (93 Acres; +/- 60 occurs over open water on the Chestnut Hill Reservoir)
 - Areas of Potential Seasonal Visibility (44 Acres)
 - Municipal Boundary
 - Trail
 - Scenic Highway
 - DEEP Boat Launches
 - Municipal and Private Open Space Property
 - State Forest/Park
 - Federal
 - Land Trust
 - Municipal
 - Private
 - State

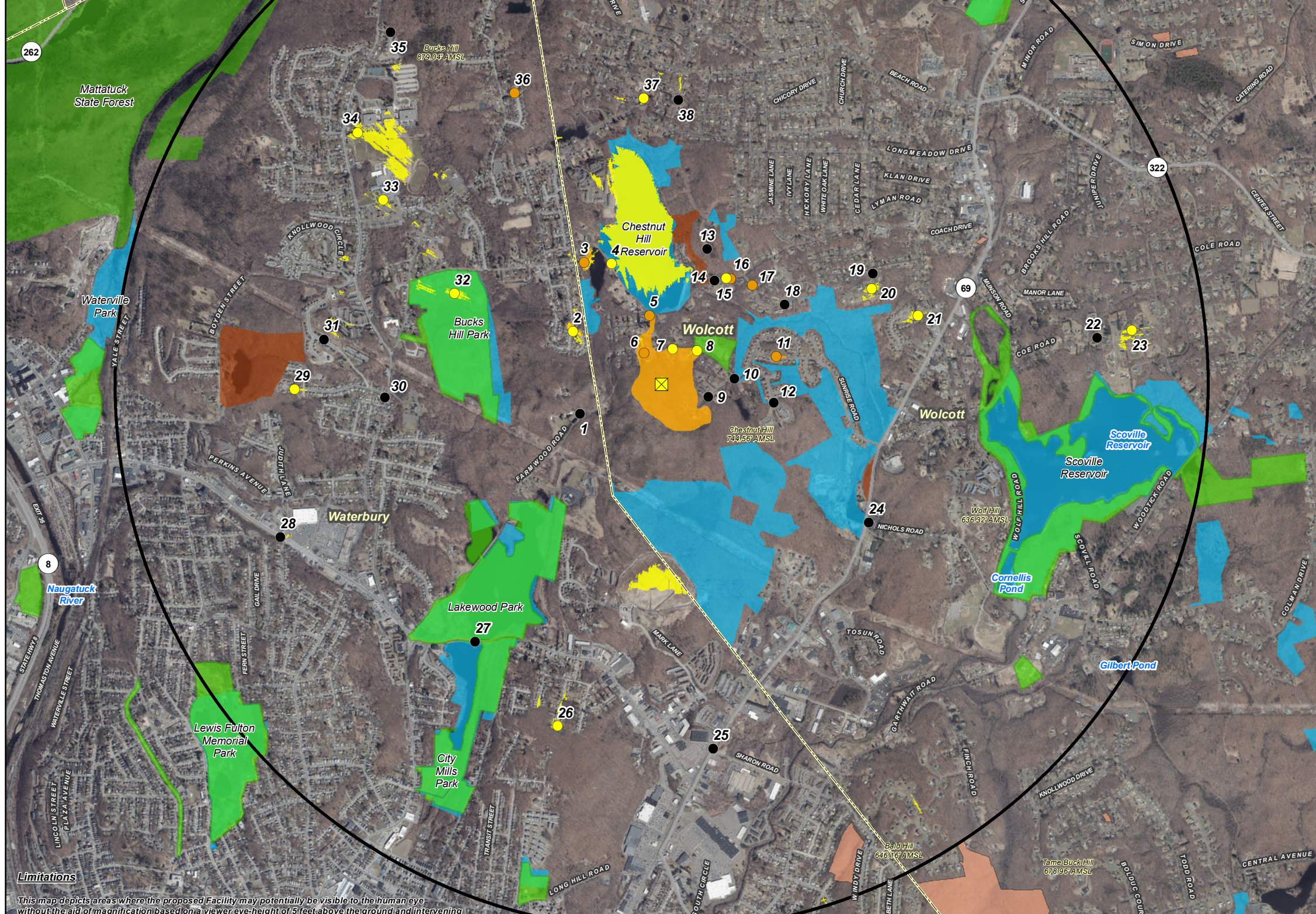
Data Sources:
Physical Geography / Background Data
 A digital surface model (DSM) was created from the State of Connecticut 2016 LiDAR LAS data points. The DSM captures the natural and built features on the Earth's surface.
 Municipal Open Space, State Recreation Areas, Trails, County Recreation Areas, 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.

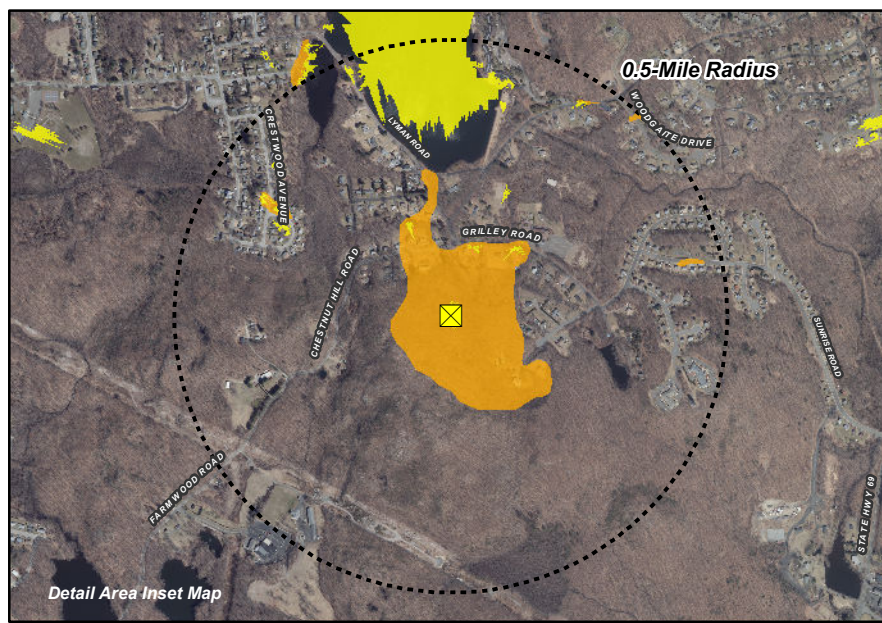
Limitations
 This map depicts areas where the proposed Facility may potentially be visible to the human eye without the aid of magnification based on a viewer eye-height of 6 feet above the ground and intervening topography, tree canopy and structures. This analysis may not account for all visible locations, as it is based on the combination of computer modeling, incorporating the DSM, 2016 digital aerial photographs, and in-field observations from publicly-accessible locations. No access to private properties beyond the Host Property was provided to APT personnel. This analysis does not claim to depict the only areas, or all locations, where visibility may occur; it is intended to provide a representation of those areas where the Facility is likely to be seen.



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 may not account for all visible locations, as it is based on the combination of computer modeling, incorporating the DSM, 2016 digital aerial photographs, and in-field observations from publicly-accessible locations. No access to private properties beyond the Host Property was provided to APT personnel. This analysis does not claim to depict the only areas, or all locations, where visibility may occur; it is intended to provide a representation of those areas where the Facility is likely to be seen.



Detail Area Inset Map

Viewshed Analysis Map

Proposed Wireless Telecommunications Facility
 Wolcott South CT
 Chestnut Hill Road
 Wolcott, Connecticut

Proposed facility height is 120 feet AGL.
 Forest canopy height is derived from LiDAR data.
 Study area encompasses a two-mile radius and includes 8,042 acres.
 Map information field verified by APT on January 14, 2020
 Base Map Source: 2019 Aerial Photograph (CTECO)
 Map Date: April 2020

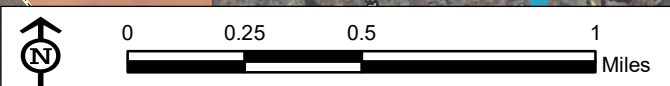
Legend

- Proposed Site
- Study Area (2-Mile Radius)
- Predicted Year-Round Visibility (93 Acres; +/- 60 occurs over open water on the Chestnut Hill Reservoir)
- Areas of Potential Seasonal Visibility (44 Acres)
- Year-Round
- Seasonal
- Not Visible
- Municipal Boundary
- 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

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.
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November 5, 2020

Robinson & Cole LLP
Kenneth Baldwin

RE: Environmental Sound Evaluation – Verizon Wireless Service Facility

Ken,

Modeling Specialties was requested to analyze the sound emissions from its proposed Wireless Facility at 104 Chestnut Hill Road in Wolcott, CT. The basis for this analysis is the Nexius Drawings dated January 9, 2020. The purpose of this statement is to address the expected facility sound levels at the property lines of the site. The analysis identified the sound levels expected at the nearest property lines in the four cardinal directions shown on page C-1 and OS-1 of the plans.

While the facility will usually be virtually silent, there are two sources of sound expected at the facility. Temperature sensitive electronics will support the antennas and are located in a cabinet within the fenced compound at the foot of the tower. It will usually be cooled by small fans inside the front door that draws ambient air through the unit. It has a smooth broadband character that produces about 50 dBA at 3 feet from the unit. The fan on the electronics cabinet will operate continuously, so there is no variation from moment to moment or cycling from equipment startup. The fans are mounted on the inside of the cabinet so they are hardly heard from the outside of the cabinet (which will always remain closed). In these ways, the cabinet configuration is designed for minimal effect on the surrounding area. When the ambient conditions exceed a safe temperature, a heat exchanger or air conditioner mounted on the cabinet door will provide additional cooling for the equipment. Various heat exchanger and air conditioner options are available depending on the thermal load expected at the site. The higher capacity options will produce about 50 dBA at a distance of 23 feet from the unit. The cooler operation is only expected during the hottest days of the summer. The sketch to the right shows the cabinet that will house the electronics and also the backup batteries. The sketch shows the option with a door mounted air conditioner.



The installation will include an emergency generator fully enclosed in an acoustic enclosure. For one half-hour every week, the engine will be remotely tested to assure availability. The propane-fired Generac QT-25A generator has a rating of 25 kW and a specified sound emission of 60 dBA at a distance of 23 feet. But since it will have no load during those tests, the “quiet test” unit will emit several dB less sound.



A sound level modeling study was developed to estimate the operating sound of the worst-case operating sound which includes the generator plus the larger cabinet cooler during its infrequent operation. The modeling is based on a commercial noise model CadnaA by DataKustic. The results are summarized in Figure 1, showing both the orientation of the equipment and the nearest property lines. No credit was taken for terrain or forest shielding in this conservative study. The results indicate that the operating sounds from this equipment will be 52 dBA or less at the property lines. The expected sound levels are well below the CDEEP most stringent daytime criteria of 55 dBA at residential receptors. In that way, it is expected to always meet the CDEEP requirements.

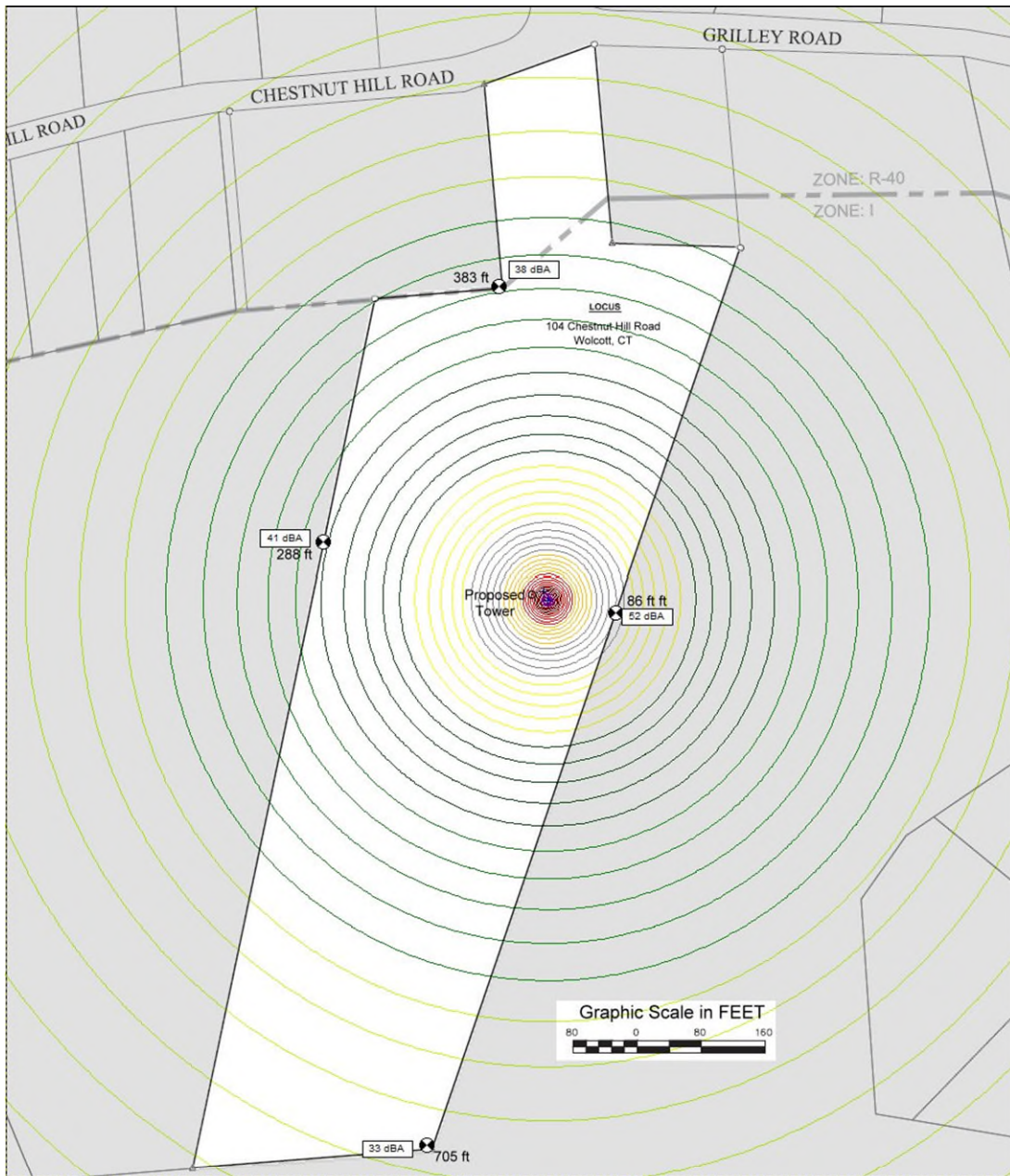


Figure 1: Details of the Property Line Distances and Modeling Results

I certify that the analysis of sound level study is accurate and consistent with analysis and prediction methods that are common to the acoustic analysis of such sources. I am qualified to make this statement based on training and experience in conducting analyses of environmental sounds. I am a Certified Consulting Meteorologist with more than 20 years of experience conducting environmental analyses in the technical areas of air quality, noise, and visual aesthetics. I have published many refereed papers on various aspects of environmental sound. I have analyzed the sound emissions of major industrial projects such as power plants, wastewater treatment plants and manufacturing plants and smaller facilities as proposed here. Related to these analyses, I have testified as a technical expert before the Connecticut Siting Council and Energy Facility Siting Boards of Massachusetts, Maine and Rhode Island.

Modeling Specialties

Douglas L. Sheadel

Douglas L. Sheadel, CCM
Principal



REMOTE FIELD REVIEW



**CONNECTICUT SITING COUNCIL DOCKET NO. 494
WOLCOTT SOUTH CT
CHESTNUT HILL ROAD
WOLCOTT, CT 06716**

PREPARED FOR:



PREPARED BY:

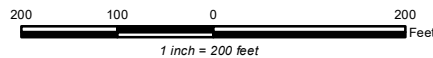
ALL-POINTS TECHNOLOGY CORPORATION, P.C.
567 Vauxhall Street Extension – Suite 311
Waterford, CT 06385

Photographed November 6, 2020



PHOTO LOG

- Photo Locations
- Existing Utility Pole
- Underground Elec./Telco Service
- Photo Markers
- Lease Area
- Carrier Equipment
- Subject Property
- Access Road
- Riprap Apron
- Limit of Disturbance
- Fence Compound
- Approximate Wetland Area



Proposed Wireless Telecommunications Facility
 Wolcott South
 Chestnut Hill Road, Wolcott, CT





PROPOSED ACCESS DRIVE

STOP

PHOTO

DESCRIPTION

1

CHESTNUT HILL ROAD LOOKING EAST TOWARDS PROPOSED ACCESS DRIVE



PROPOSED ACCESS DRIVE

PHOTO

DESCRIPTION

2

CHESTNUT HILL ROAD LOOKING SOUTH TOWARDS PROPOSED ACCESS DRIVE



PROPOSED ACCESS DRIVE

PHOTO

DESCRIPTION

3

GRILLEY ROAD LOOKING SOUTHWEST TOWARDS PROPOSED ACCESS DRIVE



PHOTO

4

DESCRIPTION

PROPOSED ACCESS DRIVE - FOUR CARDINAL POINTS



PHOTO

DESCRIPTION

5

WEST OF PROPOSED ACCESS DRIVE LOOKING EAST TOWARDS ADJACENT PROPERTY



PHOTO

DESCRIPTION

6

WEST OF PROPOSED ACCESS DRIVE LOOKING EAST TOWARDS ADJACENT PROPERTY



PHOTO

DESCRIPTION

6A

WEST OF PROPOSED ACCESS DRIVE LOOKING WEST TOWARDS ADJACENT PROPERTY



PHOTO

DESCRIPTION

7

WEST OF PROPOSED ACCESS DRIVE LOOKING EAST TOWARDS ADJACENT PROPERTY

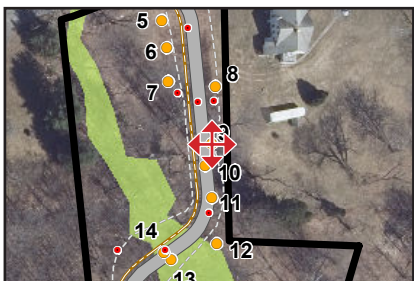


PHOTO

DESCRIPTION

8

PROPOSED EDGE OF CLEARING LOOKING WEST TOWARDS ADJACENT PROPERTY



PHOTO

9

DESCRIPTION

PROPOSED ACCESS DRIVE - FOUR CARDINAL POINTS

PHOTOGRAPHED ON 11/6/2020



PHOTO

DESCRIPTION

10

PROPOSED ACCESS DRIVE LOOKING WEST TOWARDS ADJACENT PROPERTY



WETLAND FLAGGING

PHOTO

DESCRIPTION

11

PROPOSED ACCESS DRIVE LOOKING WEST TOWARDS ADJACENT PROPERTY



PHOTO

DESCRIPTION

12

EAST OF PROPOSED ACCESS DRIVE LOOKING WEST



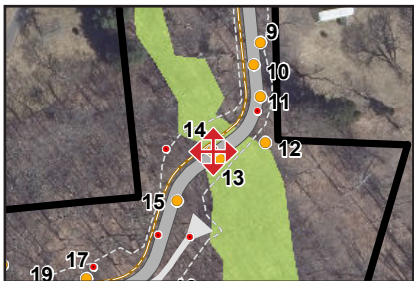
PHOTOGRAPHED ON 11/6/2020

PHOTO

DESCRIPTION

13

PROPOSED ACCESS DRIVE LOOKING EAST



PHOTO

14

DESCRIPTION

PROPOSED ACCESS DRIVE - FOUR CARDINAL POINTS



PHOTOGRAPHED ON 1/16/2020

PHOTO

DESCRIPTION

15

PROPOSED ACCESS DRIVE LOOKING SOUTH



PHOTO

DESCRIPTION

16

EAST OF PROPOSED ACCESS DRIVE LOOKING WEST



PROPOSED ACCESS DRIVE

PHOTOGRAPHED ON 11/6/2020

PHOTO

DESCRIPTION

17

PROPOSED ACCESS DRIVE LOOKING SOUTHWEST



PHOTO

DESCRIPTION

18

LOOKING SOUTHEAST TOWARDS PROPOSED ACCESS DRIVE



PHOTO

DESCRIPTION

19

PROPOSED ACCESS DRIVE LOOKING NORTHWEST TOWARDS ADJACENT PROPERTY



PHOTO

DESCRIPTION

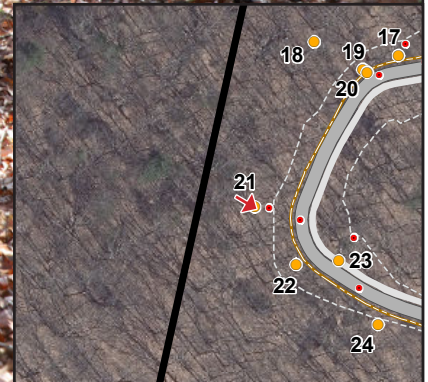
20

PROPOSED ACCESS DRIVE LOOKING SOUTHWEST



PROPOSED LIMIT OF DISTURBANCE

PROPOSED ACCESS DRIVE



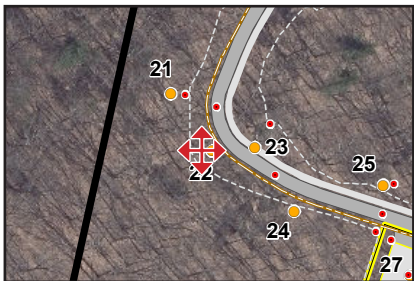
PHOTOGRAPHED ON 11/6/2020

PHOTO

DESCRIPTION

21

WEST OF PROPOSED ACCESS DRIVE LOOKING SOUTHEAST



PHOTO

22

DESCRIPTION

SOUTHWEST OF PROPOSED ACCESS DRIVE - FOUR CARDINAL POINTS

PHOTOGRAPHED ON 11/6/2020



PHOTO

DESCRIPTION

23

PROPOSED ACCESS DRIVE LOOKING SOUTHEAST TOWARDS PROPOSED COMPOUND



PHOTO

DESCRIPTION

24

SOUTH OF PROPOSED ACCESS DRIVE LOOKING SOUTHEAST TOWARDS PROPOSED COMPOUND



PHOTO

DESCRIPTION

25

NORTH OF PROPOSED COMPOUND AT PROPOSED LIMIT OF DISTURBANCE LOOKING SOUTHEAST

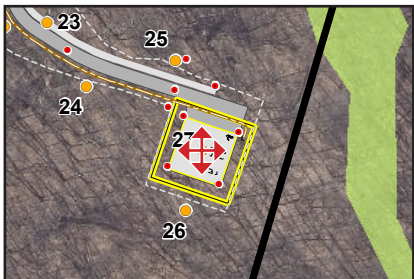


PHOTO

DESCRIPTION

26

SOUTH OF PROPOSED COMPOUND LOOKING NORTH



PHOTO

27

DESCRIPTION

CENTER OF PROPOSED COMPOUND - FOUR CARDINAL POINTS