Robinson+Cole

KENNETH C. BALDWIN

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

Also admitted in Massachusetts and New York

September 1, 2021

Via Federal Express

Michael T. Paulhus, Town Manager
Town of North Branford
909 Foxon Road
North Branford, CT 06471

Re: **Submission of Technical Information Concerning a Proposal to Construct a Wireless Telecommunications Facility at 222 Clintonville Road, Northford, Connecticut**

Dear Mr. Paulhus:

This firm represents Homeland Towers, LLC ("Homeland"), in its proposal to construct a new wireless telecommunications facility (the "Facility") in the easterly portion of a 7.86 acre parcel at 222 Clintonville Road, Northford, Connecticut (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.

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

Raymond Vergati
Regional Manager
Homeland Towers, LLC
9 Harmony Street, 2nd Floor
Danbury, CT 06810

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

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103-3597

Homeland intends to submit an application to the Council for a Certificate of Environmental Compatibility and Public Need ("Certificate") for the construction, maintenance and operation of a wireless telecommunications facility in the eastern portion of the Property. The proposed Facility would provide Cellco Partnership d/b/a Verizon Wireless ("Cellco") with improved wireless service to its customers along portions of Routes 22, 17 and 150 and local roads in the area and to residential, commercial and institutional land uses in the vicinity of the Property. The Facility will also interact with Cellco's existing cell sites in the area.

Cell Site Information

Homeland proposes to install a 110-foot monopole tower disguised as a pine tree ("monopine") within a 4,061 square foot fenced facility compound in the eastern portion of the Property. Cellco would install up to twelve (12) panel-type antennas and twelve (12) remote radio heads on T-arm mounts at a center line height of 96 feet on the tower. Equipment cabinets associated with Cellco's antennas, a propane-fueled backup generator and a 500 gallon propane tank would be located within the fenced compound. Access to the Facility would extend from Clintonville Road along an existing paved driveway a distance of approximately 40 feet then over a new gravel driveway a distance of approximately 750 feet to the proposed tower site. Utilities would extend from existing utility service along Clintonville Road. The Town of North Branford would install two (2) public safety omni antennas on the top of the tower along with equipment cabinets within the fenced compound. Included in Attachment 1 is a proposed Site Plan, Compound Plan and tower elevation drawing.

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 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 an evidentiary and 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, Homeland 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 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 Homeland, 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, Homeland must provide a summary of the Town's comments and recommendations, if any, to the Council within fifteen (15) days of the filing of an application.

Need for the Proposed Wireless Facility

The proposed Facility described in this Technical Report is needed so that Cellco can to provide enhanced wireless voice and data services in and around Northford, including portions of Routes 22, 17 and 150 in the area around the Property. Service along these roadway in the Northford area is lacking or non-existent today. The Town of North Branford also has a need to install their public safety antennas on the Facility.

Environmental Effects

In our experience, the primary impact of a wireless facility such as the proposed Facility is visual. The visual impact of the proposed 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 sight-line of the cell site.

To more fully assess the visual impact of the Facility, Homeland's consultant, Saratoga Associates has prepared a Visual Resource Assessment for the proposed tower location. This assessment indicates views of the proposed tower is possible from only 0.5% of the land area within two-miles and only 2% of the land area within one-half of the proposed tower. Of the five miles of public roads within one-half mile of the Facility, the tower would be visible form only 4% (1,170 linear feet) of those roadways. Finally, the proposed tower would not be visible form areas within the Northford Historic District. (*See* Attachment 2).

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 Facility is not located within 250 feet of any building containing a school or commercial day care facility.

Based on field surveys, Homeland has determined that the construction of the Facility will have no direct impact on inland wetlands or watercourses, within or near either of the tower or compound. Homeland 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 Facility. To ensure compliance with the Standard, Cellco has performed a worst-case 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"). This calculation is a conservative, worst-case approximation of RF emissions at the closest accessible point to the antenna (i.e., the base of the tower), and assumes that all antennas are transmitting simultaneously, on all channels, at full power. The worst-case calculated RF emissions level For Cellco antennas would be approximately 18.40% of the FCC Standard. (*See* Attachment 3). Actual RF emissions levels from this facility will be far less than this "worst-case" approximation.

Scenic Natural Historic or Recreational Impacts

To further assess the environmental impacts of the proposed facility, Homeland 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

Homeland conducted a search for suitable cell site locations in Northford and identified the Property as a site that would satisfy Cellco's wireless service objectives in the area. In addition to the proposed location, Homeland identified and investigated thirty (30) alternative facility locations in the area. Each of the alternative locations were considered and either rejected by the land owner, were eliminated due to some concerns for significant environmental effects or were eliminated due to concerns related to Cellco's ability to satisfy its wireless

service objectives. A complete list of other potential cell sites investigated is included in Attachment 4.

Tower Sharing

As stated above, Homeland intends to build a tower that is capable of supporting Cellco antennas and those of other wireless telecommunications providers, the Town of North Branford 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 Homeland to supply the Town with information regarding its proposed Facility. This report includes information regarding the site selection process, public need, and the potential environmental impacts of the facility. Homeland submits that its proposed Facility would not have any significant adverse environmental effects. Moreover, Homeland 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

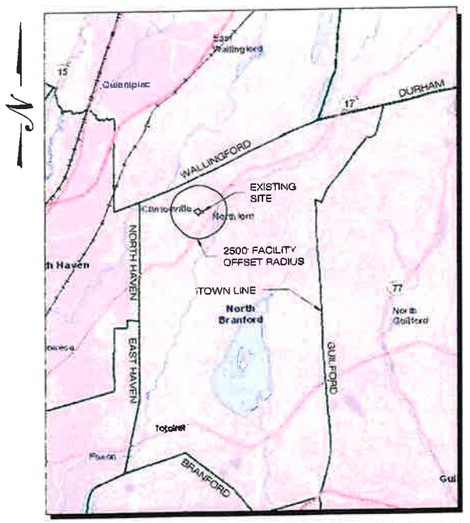
KCB/kmd
Enclosures
Copy to:
Harry Dulak, Chairperson, North Branford Planning & Zoning Commission
Stephen Scavo, Chairperson, North Branford Conservation & Inland Wetlands & Watercourses Agency
Raymond Vergati, Homeland Towers

ATTACHMENT 1

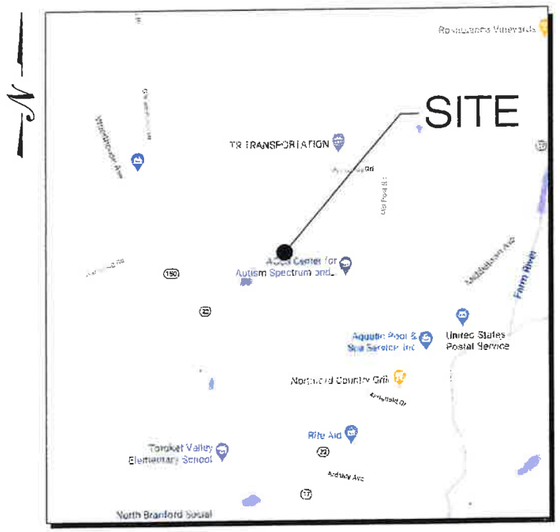
HOMELAND TOWERS, LLC

WIRELESS TELECOMMUNICATIONS FACILITY

NORTH BRANFORD
222 CLINTONVILLE ROAD
NORTHFORD, CT 06472



MUNICIPAL NOTIFICATION LIMIT MAP
SCALE : 1" = 1.5 Miles



VICINITY MAP
SCALE: 1" = 500'

DRAWING INDEX

SITE INFORMATION

PROJECT LOCATION: 222 CLINTONVILLE ROAD
NORTHFORD, CT 06472

PROJECT DESCRIPTION: RAWLAND SITE W/ GROUND EQUIPMENT WITHIN 4,061± SF TELECOMMUNICATIONS EQUIPMENT COMPOUND W/ PROP. 110'± AGL MONOPINE.

PROPERTY DEVELOPER: HOMELAND TOWERS, LLC
9 HARMONY STREET
2ND FLOOR
DANBURY, CT 06810

DEVELOPER CONTACT: RAY VERGATI
(203) 297-6345

ENGINEER CONTACT: ROBERT C. BURNS, P.E.
(860) 552-2036

LATITUDE: 41° 23' 45.2834"N
LONGITUDE: 72° 47' 35.4194"W
ELEVATION: 272.3'± AMSL

MAP: 67D
LOT: 6
ZONE: R40

OWNER:

GAIL & MICHAEL MONACO
222 CLINTONVILLE ROAD
NORTHFORD, CT 06472

APPLICANTS:

HOMELAND TOWERS, LLC
9 HARMONY STREET
2ND FLOOR
DANBURY, CT 06810
RAY VERGATI
(203) 297-6345

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

HOMELAND PROJECT ATTORNEY:

ROBINSON & COLE
280 TRUMBULL STREET
HARTFORD, CT 06103
(800) 826-3579

POWER PROVIDER:

WALLINGFORD ELECTRIC: (203) 294-2020

TELCO PROVIDER:

FRONTIER (800) 921-8102

CALL BEFORE YOU DIG:

(800) 922-4455

GOVERNING CODES:

CONNECTICUT STATE BUILDING CODE, LATEST EDITION
NATIONAL ELECTRIC CODE, LATEST EDITION
TIA-222-H

HOMELAND TOWERS, LLC
9 HARMONY STREET
2nd FLOOR
DANBURY, CT 06810
(203) 297-6345

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

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

PERMITTING DOCUMENTS

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4		
5		
6		

DESIGN PROFESSIONALS OF RECORD

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

DEVELOPER: HOMELAND TOWERS, LLC
ADDRESS: 9 HARMONY STREET 2ND FLOOR DANBURY, CT 06810

HOMELAND TOWERS NORTH BRANFORD

SITE ADDRESS: 222 CLINTONVILLE ROAD NORTHFORD, CT 06472

APT FILING NUMBER: CT283990

DATE: 07/23/21 | DRAWN BY: CSH

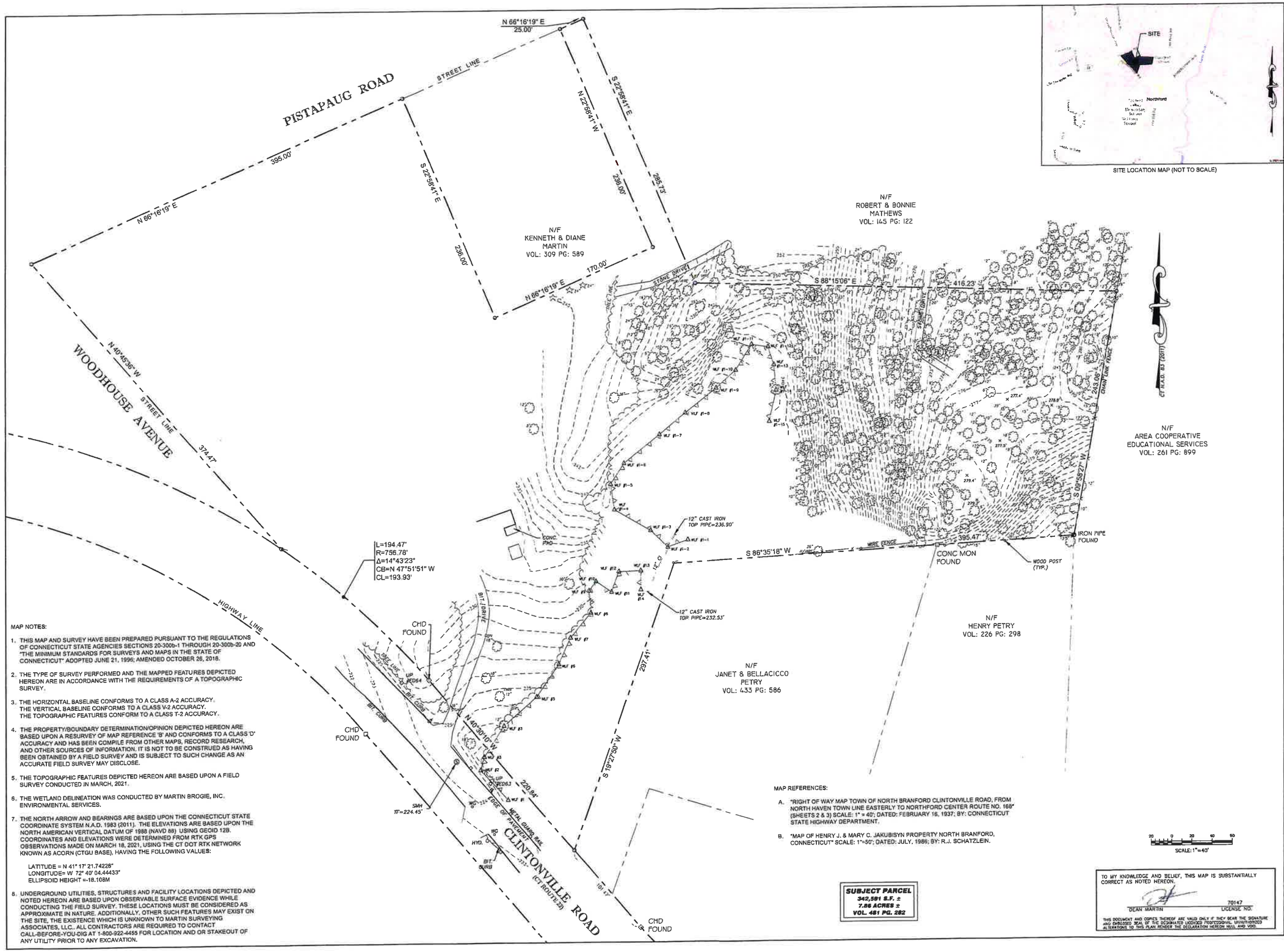
CHECKED BY: RCB

SHEET TITLE:

TITLE SHEET & INDEX

SHEET NUMBER:

T-1



MAP NOTES:

1. THIS MAP AND SURVEY HAVE BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND "THE MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" ADOPTED JUNE 21, 1996; AMENDED OCTOBER 26, 2018.
2. THE TYPE OF SURVEY PERFORMED AND THE MAPPED FEATURES DEPICTED HEREON ARE IN ACCORDANCE WITH THE REQUIREMENTS OF A TOPOGRAPHIC SURVEY.
3. THE HORIZONTAL BASELINE CONFORMS TO A CLASS A-2 ACCURACY. THE VERTICAL BASELINE CONFORMS TO A CLASS V-2 ACCURACY. THE TOPOGRAPHIC FEATURES CONFORM TO A CLASS T-2 ACCURACY.
4. THE PROPERTY/BOUNDARY DETERMINATION/OPINION DEPICTED HEREON ARE BASED UPON A RESURVEY OF MAP REFERENCE 'B' AND CONFORMS TO A CLASS 'D' ACCURACY AND HAS BEEN COMPILE FROM OTHER MAPS, RECORD RESEARCH, AND OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED BY A FIELD SURVEY AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE.
5. THE TOPOGRAPHIC FEATURES DEPICTED HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED IN MARCH, 2021.
6. THE WETLAND DELINEATION WAS CONDUCTED BY MARTIN BROGIE, INC. ENVIRONMENTAL SERVICES.
7. THE NORTH ARROW AND BEARINGS ARE BASED UPON THE CONNECTICUT STATE COORDINATE SYSTEM N.A.D. 1983 (2011). THE ELEVATIONS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) USING GEOID 12B. COORDINATES AND ELEVATIONS WERE DETERMINED FROM RTK GPS OBSERVATIONS MADE ON MARCH 18, 2021, USING THE CT DOT RTK NETWORK KNOWN AS ACORN (CTGU BASE), HAVING THE FOLLOWING VALUES:

   LATITUDE = N 41° 17' 21.74228"
   LONGITUDE= W 72° 40' 04.44433"
   ELLIPSOID HEIGHT =-18.108M

8. UNDERGROUND UTILITIES, STRUCTURES AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON ARE BASED UPON OBSERVABLE SURFACE EVIDENCE WHILE CONDUCTING THE FIELD SURVEY. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE WHICH IS UNKNOWN TO MARTIN SURVEYING ASSOCIATES, LLC.. ALL CONTRACTORS ARE REQUIRED TO CONTACT CALL-BEFORE-YOU-DIG AT 1-800-922-4455 FOR LOCATION AND OR STAKEOUT OF ANY UTILITY PRIOR TO ANY EXCAVATION.

MAP REFERENCES:

A. "RIGHT OF WAY MAP TOWN OF NORTH BRANFORD CLINTONVILLE ROAD, FROM NORTH HAVEN TOWN LINE EASTERLY TO NORTHFORD CENTER ROUTE NO. 168" (SHEETS 2 & 3) SCALE: 1" = 40'; DATED: FEBRUARY 16, 1937; BY: CONNECTICUT STATE HIGHWAY DEPARTMENT.

B. "MAP OF HENRY J. & MARY C. JAKUBISYN PROPERTY NORTH BRANFORD, CONNECTICUT" SCALE: 1"=50'; DATED: JULY, 1986; BY: R.J. SCHATZLEIN.

SUBJECT PARCEL
342,581 S.F. ±
7.86 ACRES ±
VOL. 481 PG. 282

20 0 20 40 60
SCALE: 1"=40'

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

DEAN MARTIN — LICENSE NO. 70147

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

LEGEND:

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

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

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

REVISIONS:

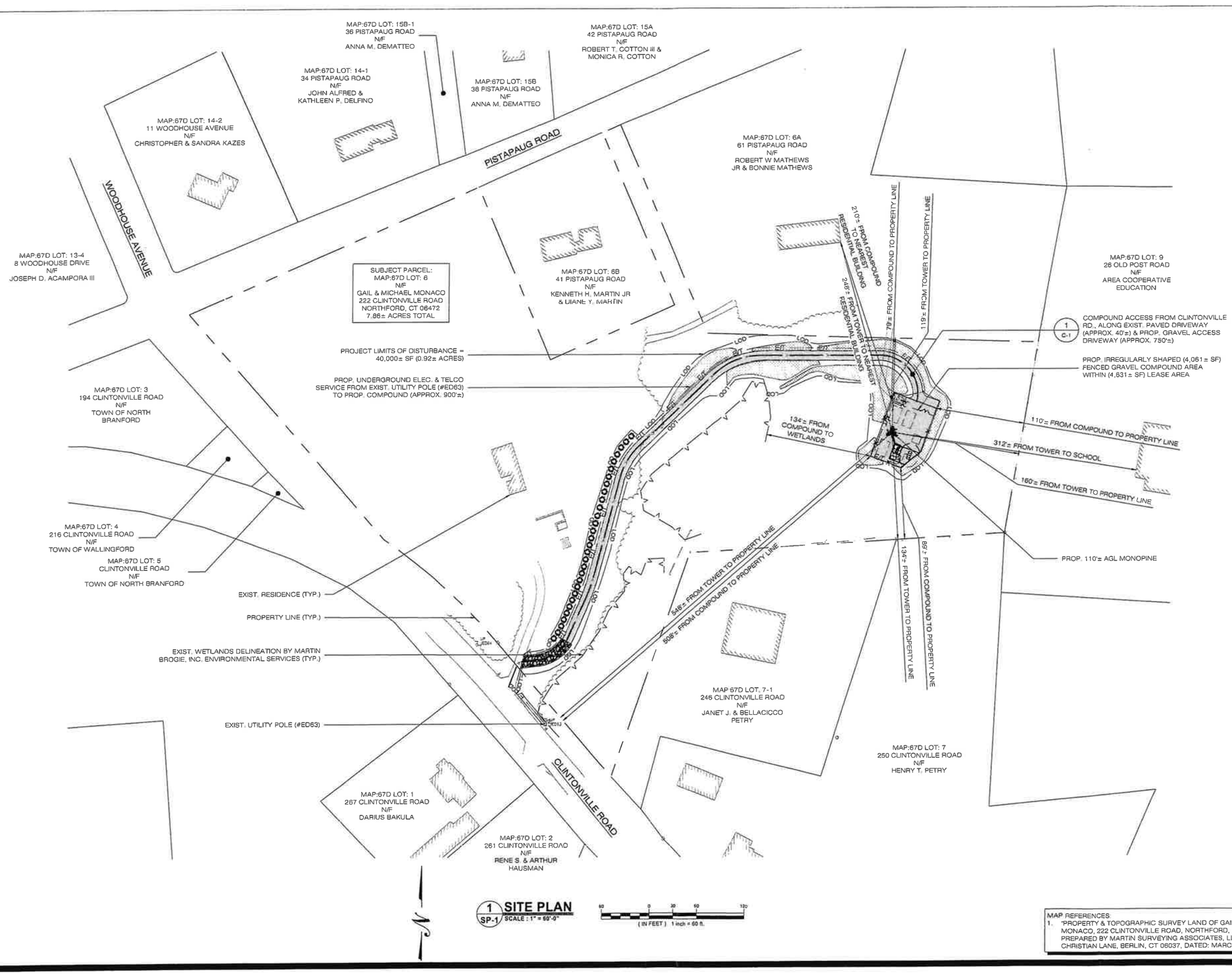
PROPERTY & TOPOGRAPHIC SURVEY LAND OF GAIL & MICHAEL MONACO 222 CLINTONVILLE ROAD NORTHFORD, CONNECTICUT

MSA PROJECT NO: 21-023

SCALE: 1"=40'	DRAWN BY: G.S.D.
DATE: 03/23/20201	CHECKED BY:

STATE OF CONNECTICUT DEAN G. MARTIN NO 70147 LICENSED LAND SURVEYOR

SHEET: 1 OF 1



MAP REFERENCES:
1. "PROPERTY & TOPOGRAPHIC SURVEY LAND OF GAIL & MICHAEL MONACO, 222 CLINTONVILLE ROAD, NORTHFORD, CT", 1 OF 1; PREPARED BY MARTIN SURVEYING ASSOCIATES, LLC, 201 CHRISTIAN LANE, BERLIN, CT 06037, DATED: MARCH 23, 2021.

HOMELAND TOWERS, LLC
9 HARMONY STREET
2nd FLOOR
DANBURY, CT 06810
(203) 297-6345

Cellco Partnership d/b/a
verizon WIRELESS
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HOMELAND TOWERS NORTH BRANFORD

SITE ADDRESS: 222 CLINTONVILLE ROAD NORTHFORD, CT 06472

APT FILING NUMBER: CT283980

DATE: 07/23/21 | DRAWN BY: CSH | CHECKED BY: RCB

SHEET TITLE:
SITE PLAN & ABUTTERS MAP

SHEET NUMBER:
SP-1

PROP. 35 LF 24" HDPE W/ 6' EMBEDMENT & FLARED ENDS. BACKFILL CULVERT WITH NATURAL SUBSTRATE MATERIAL MATCHING UPSTREAM & DOWNSTREAM STREAMBED SUBSTRATE
S=14.29%
INV. (IN) = 245.50
INV. (OUT) = 240.50
(11 C-1)

PROP. COMPOST FILTER SOCK (TYP.) (2 C-2)

EXIST. RESIDENCE (TYP.)

PROP. UNDERGROUND ELEC. & TELCO SERVICE FROM EXIST. UTILITY POLE (#ED63) TO PROP. COMPOUND (APPROX. 900±)

PROP. 12' WIDE GRAVEL ACCESS DRIVE (APPROX. 750± LF) (1 C-1)

PROJECT LIMITS OF DISTURBANCE = 40,000± SF (0.92± ACRES)

PROP. LANDSCAPE SCREENING (TYP. 30PL) - 2'-3' TALL NORWAY SPRUCE @ 10' OC (4 C-2)

EXIST. WETLANDS DELINEATION BY MARTIN BROGIE, INC. ENVIRONMENTAL SERVICES (TYP.)

PROPERTY LINE (TYP.)

PROP. CONSTRUCTION ENTRANCE (1 C-2)

EXIST. UTILITY POLE (#ED63)

(3 C-2) PROP. EROSION CONTROL BLANKET ON ALL SLOPES 3:1 & GREATER (TYP.)

(2 C-1) PROP. GRASS LINED SWALE W/ STONE CHECK DAMS (APPROX. 180'±)

(6 C-1) PROP. STONE CHECK DAM (TYP. 3PL)

(10 C-1) PROP. RIPRAP APRON (O-1)

PROP. 110'± AGL MONOPINE

(1 C-1) PROP. IRREGULARLY SHAPED (4,051 ± SF) FENCED GRAVEL COMPOUND AREA WITHIN (4,631 ± SF) LEASE AREA

TREES TO BE REMOVED (TYP. 110PL)

134'± FROM COMPOUND TO WETLANDS

17'± FROM ACCESS DRIVE TO WETLANDS

12" CAST IRON TOP PIPE=236.90'

12" CAST IRON TOP PIPE=232.53'

CLINTONVILLE ROAD (RTE 81)

WIRE FENCE

1 SP-2 **PARTIAL SITE PLAN**
SCALE : 1" = 30'-0"

(IN FEET) 1 inch = 30 ft.

LEGEND

- PROPERTY LINE
- EXIST. WETLAND
- 100' WETLAND SETBACK
- LOD — LIMIT OF DISTURBANCE
- X — X — PROP. CHAIN LINK FENCE
- E/T — PROP. ELEC./TELCO LINE
- FS — FILTER SOCK
- EXIST. TREE TO REMAIN
- EXIST. TREE TO BE REMOVED
- EROSION CONTROL BLANKET

NOTE
110 TREES WILL NEED TO BE REMOVED IN CONSTRUCTION OF THE FACILITY.

<10" DIA.	33 TREES
10"-14" DIA.	54 TREES
>14" DIA.	23 TREES
	110 TREES

SITE AREAS & VOLUMES OF EARTHWORK

SITEWORK ENTAILS APPROXIMATELY 2,331 CUBIC YARDS OF EXCAVATION AND 460 CUBIC YARDS OF FILL. THE COMPOUND & ACCESS DRIVEWAY WILL IMPORT APPROXIMATELY 360 CUBIC YARDS OF CLEAN BROKEN STONE. THE UTILITY TRENCH FROM THE DEMARC TO THE COMPOUND WILL EXCAVATE APPROXIMATELY 470 CUBIC YARDS OF MATERIAL THAT WILL BE USED TO BACKFILL THE TRENCH.

COMPOUND AREA SLOPES:
EXISTING - 3%-15%
PROPOSED - 3%-5%

TOTAL AREA OF DISTURBANCE = 40,000± SF

STORMWATER VELOCITY:
PRIOR TO GROUND COVER < 3.0 FT/SEC
FOLLOWING GROUND COVER < 3.0 FT/SEC

STORMWATER VOLUME:
PROPOSED IMPERVIOUS AREA = 4,955 SF
WATER QUALITY STD VOLUME (1") = 413 CF
STORAGE VOLUME (6" DEPTH, 40% VOIDS) = 812 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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HOMELAND TOWERS, LLC
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5		
6		

DESIGN PROFESSIONALS OF RECORD

PROF: ROBERT C. BURNS P.E.
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DEVELOPER: HOMELAND TOWERS, LLC
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HOMELAND TOWERS NORTH BRANFORD

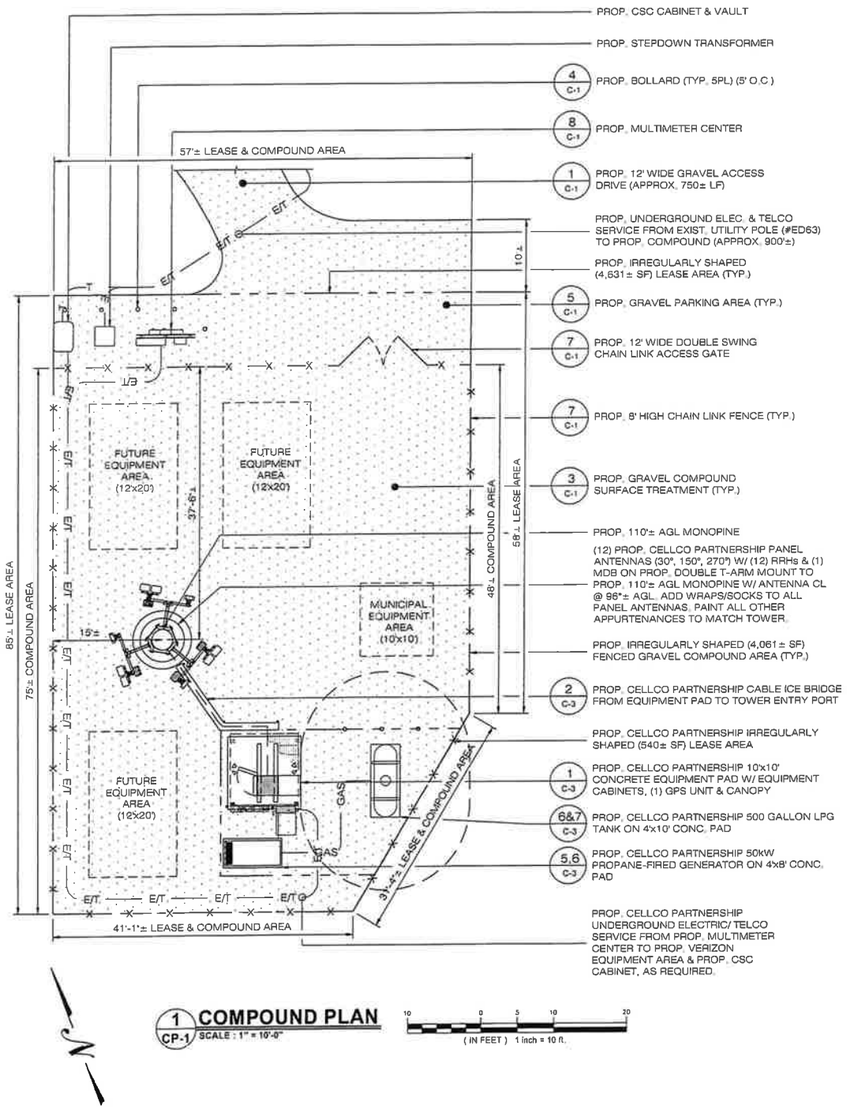
SITE ADDRESS: 222 CLINTONVILLE ROAD NORTHFORD, CT 06472

APT FILING NUMBER: CT283990

DATE: 07/23/21 | DRAWN BY: CSH | CHECKED BY: RCB

SHEET TITLE:
PARTIAL SITE PLAN

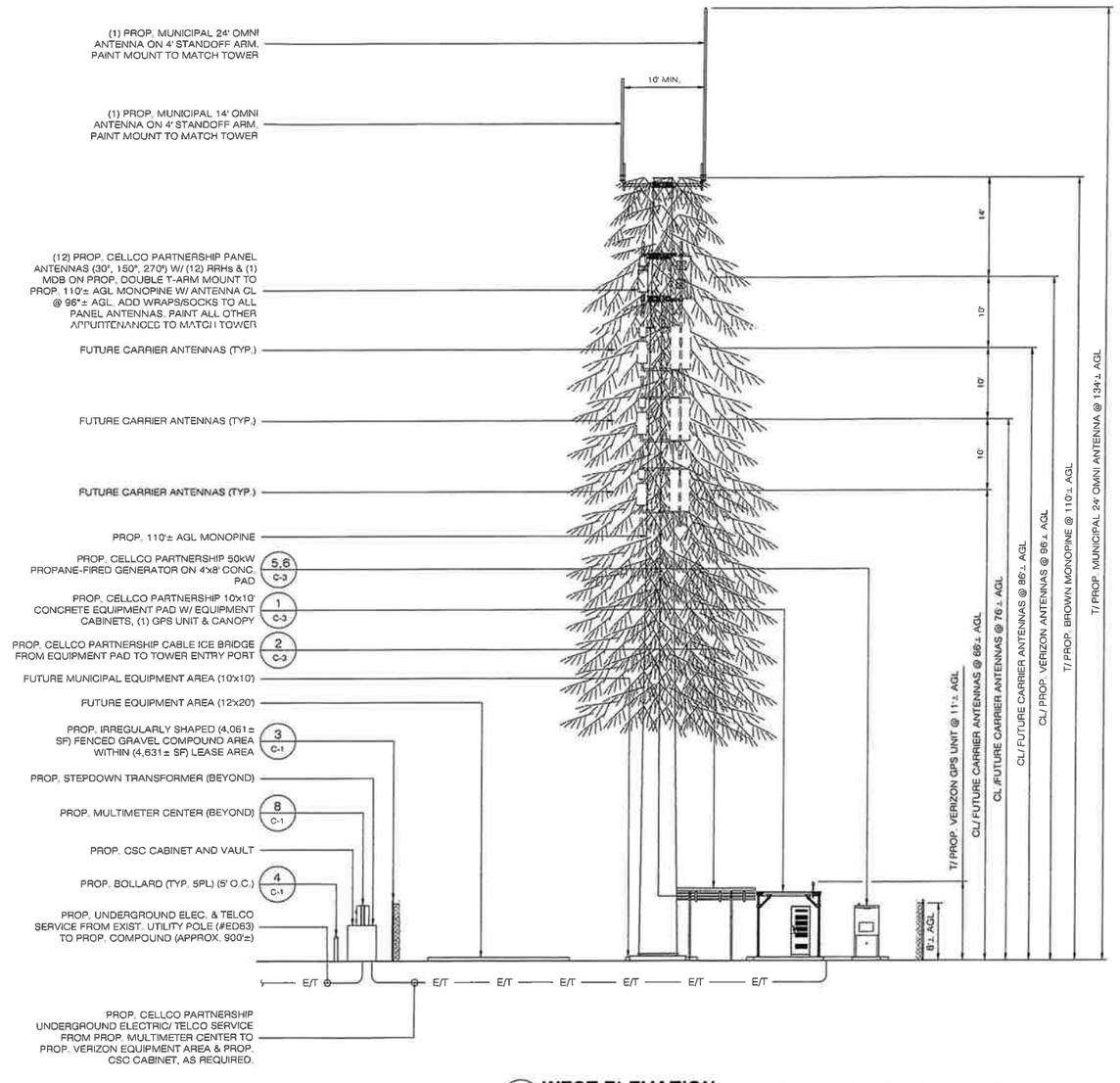
SHEET NUMBER:
SP-2



1 CP-1 COMPOUND PLAN

SCALE : 1" = 10'-0"

(IN FEET) 1 inch = 10 ft.



2 CP-1 WEST ELEVATION

SCALE : 1" = 10'-0"

(IN FEET) 1 inch = 10 ft.

HOMELAND TOWERS, LLC
9 HARMONY STREET
2nd FLOOR
DANBURY, CT 06810
(203) 297-6345

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

ALL-POINTS TECHNOLOGY CORPORATION
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APT FILING NUMBER: CT283990

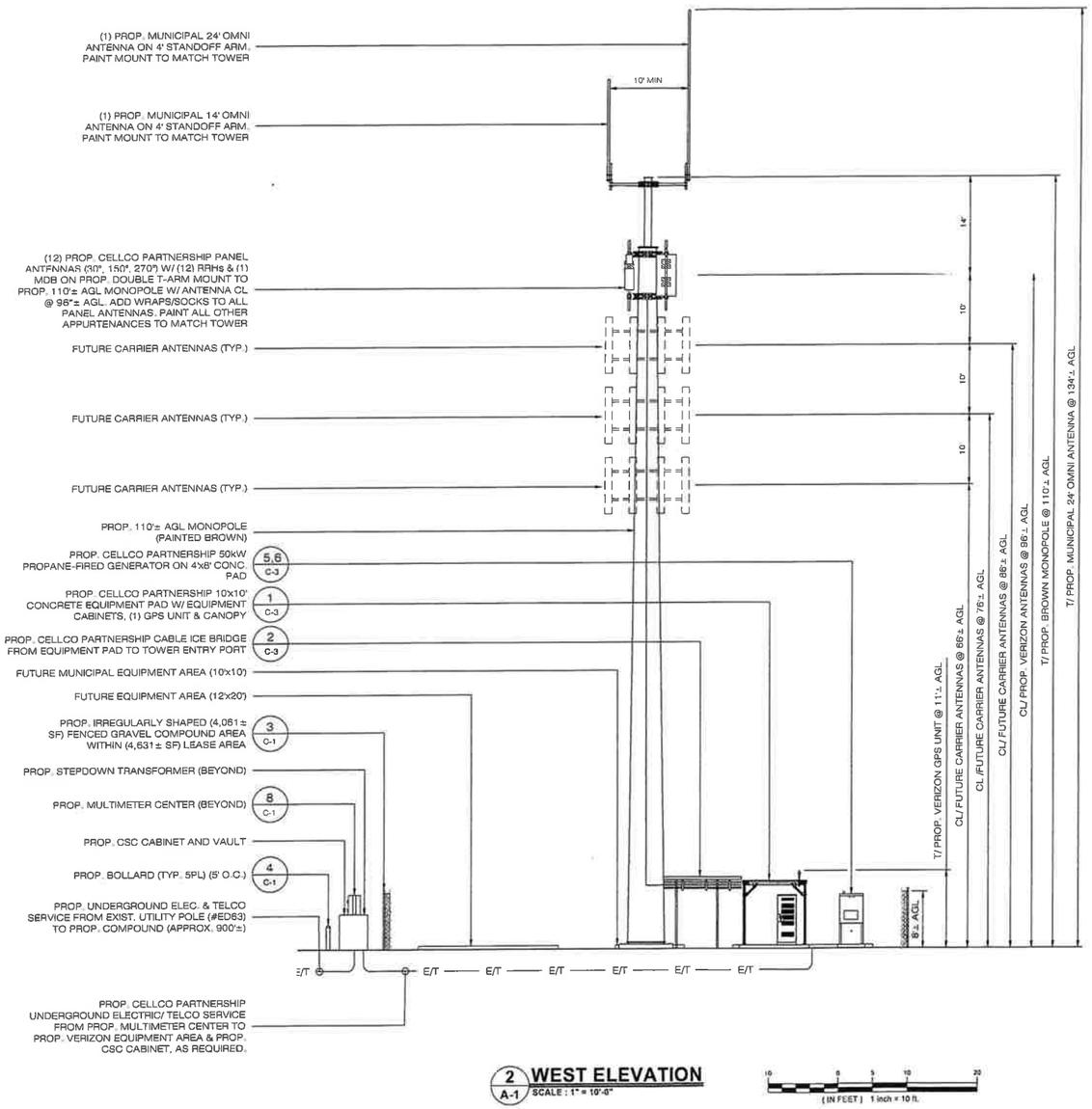
DATE: 07/23/21 | DRAWN BY: CSH | CHECKED BY: RCB

SHEET TITLE:

COMPOUND PLAN & TOWER ELEVATION

SHEET NUMBER:

CP-1



2 / A-1 WEST ELEVATION

SCALE : 1" = 10'-0"

10 0 5 10 20

(IN FEET) 1 inch = 10 ft.

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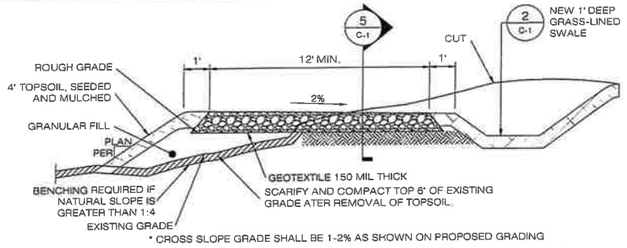
SHEET TITLE:
ALTERNATE MONOPOLE ELEVATION

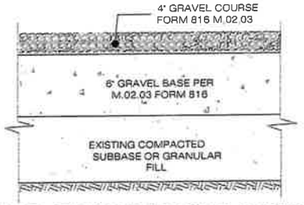
SHEET NUMBER:
A-1



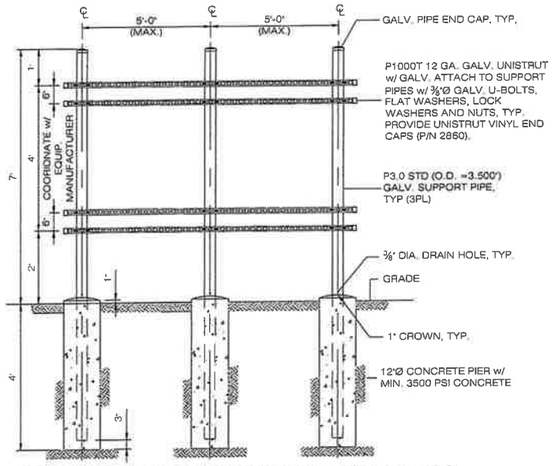
* CROSS SLOPE GRADE SHALL BE 1-2% AS SHOWN ON PROPOSED GRADING

* WHERE CUT OR FILL EMBANKMENTS ARE STEEPER THAN 3:1 USE A STAPLED IN PLACE, BIODEGRADABLE EROSION CONTROL BLANKET OR A BONDED FIBER MATRIX HYDROSEED APPLICATION.

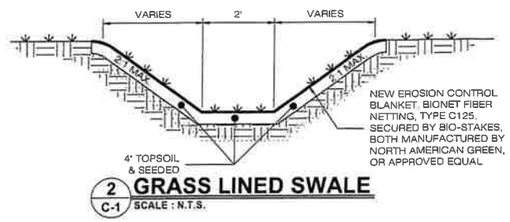
1 C-1 TYPICAL ROAD CROSS SECTION
SCALE : N.T.S.



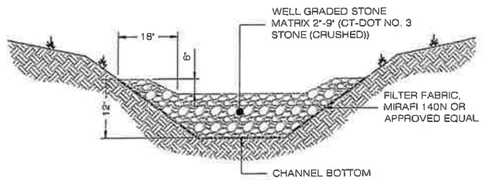
5 C-1 GRAVEL ROAD/PARKING SECTION
SCALE : N.T.S.

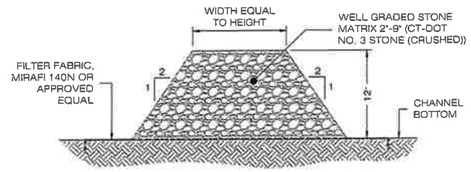


8 C-1 UTILITY BACKBOARD FRAME DETAIL
SCALE : N.T.S.

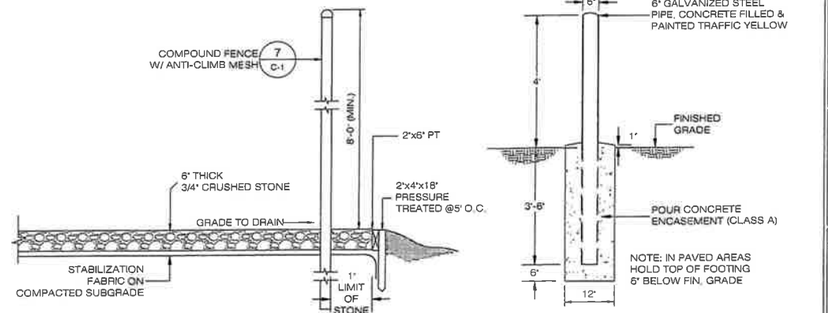


2 C-1 GRASS LINED SWALE
SCALE : N.T.S.



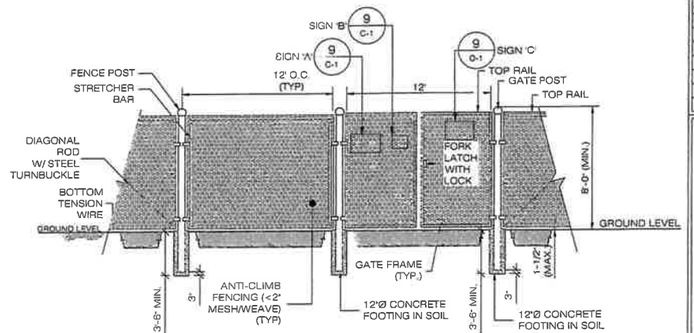


6 C-1 STONE CHECK DAM
SCALE : N.T.S.



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

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



7 C-1 CHAIN-LINK FENCING & FENCE GATE DETAIL
SCALE : N.T.S.

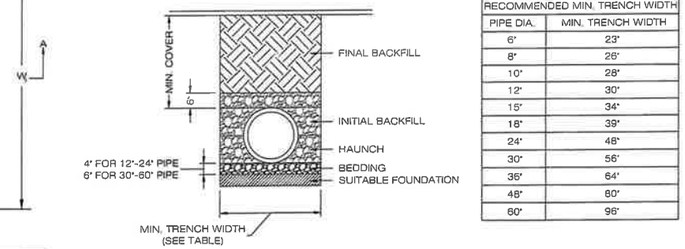
SECTION A-A

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

	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	SWALE WIDTH/ PIPE DIAMETER Sp (FT)	APRON LENGTH La (FT)	APRON INITIAL WIDTH W1 (FT)	APRON TERMINAL WIDTH W2 (FT)	RIPRAP SPECIFICATION
O-1	1	5	3	6.5	MODIFIED

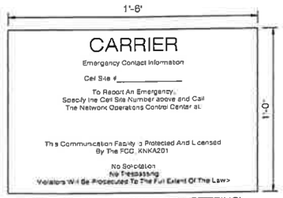
10 C-1 RIPRAP APRON
SCALE : N.T.S.



RECOMMENDED MIN. TRENCH WIDTH	
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"

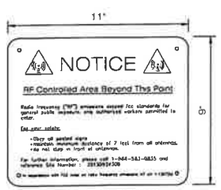
NOTES:
1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321 , "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION.
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
3. 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.
4. 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).
5. 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.
6. 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 FLOATION. 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.

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



(WHITE METAL SIGN W/ BLACK LETTERING)

SIGN 'A'



(WHITE METAL SIGN W/ BLACK LETTERING)

SIGN 'B'

(WHITE SIGN W/ BLACK & WHITE LOGO & RED LETTERING)

SIGN 'C'

9 C-1 TYPICAL SIGNAGE
SCALE : N.T.S.

HOMELAND TOWERS, LLC
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DESIGN PROFESSIONALS OF RECORD

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COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
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HOMELAND TOWERS
NORTH BRANFORD

SITE ADDRESS: 222 CLINTONVILLE ROAD NORTHFORD, CT 06472

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DATE: 07/23/21 | DRAWN BY: CSH
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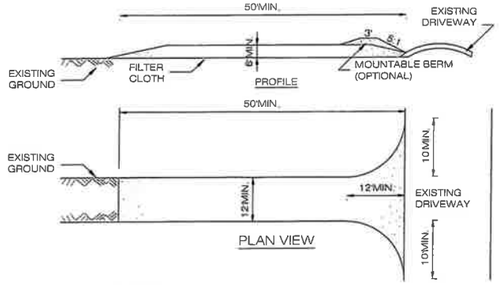
SHEET TITLE:

SITE DETAILS

SHEET NUMBER:

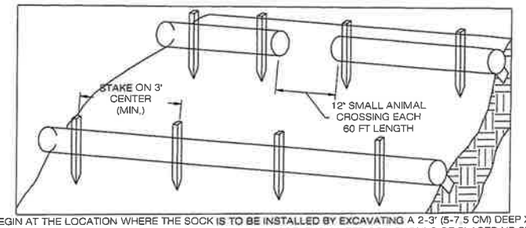
C-1



CONSTRUCTION SPECIFICATIONS:

1. STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ACCESS SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

1 C-2 CONSTRUCTION ENTRANCE DETAIL
SCALE : N.T.S.



1. 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.
2. 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 80 FT CONTINUOUS LENGTHS WITH ADJACENT SOCKS TIGHTLY ABUT. 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.
3. 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.

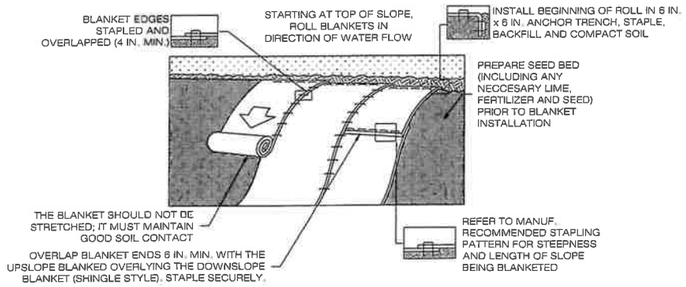
2 C-2 COMPOST FILTER SOCK SEDIMENTATION CONTROL BARRIER
SCALE : N.T.S.

SEQUENCE OF CONSTRUCTION

1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECPS), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. 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.
3. 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.
4. THE EDGES OF PARALLEL RECPS MUST BE STAPLED WITH APPROXIMATELY 2" - 5" OVERLAP DEPENDING ON THE RECPS TYPE.
5. 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.

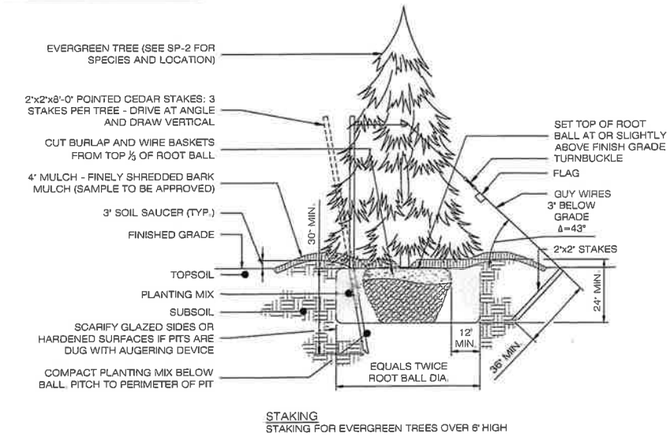
NOTES:

1. PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.
2. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.
3. 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.
4. THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
5. 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.



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

LANDSCAPE NOTE
ALL NEW LANDSCAPING WILL BE FULLY WARRANTED FOR 3 YEARS



STAKING
STAKING FOR EVERGREEN TREES OVER 6' HIGH

4 C-2 EVERGREEN TREE PLANTING
SCALE : N.T.S.

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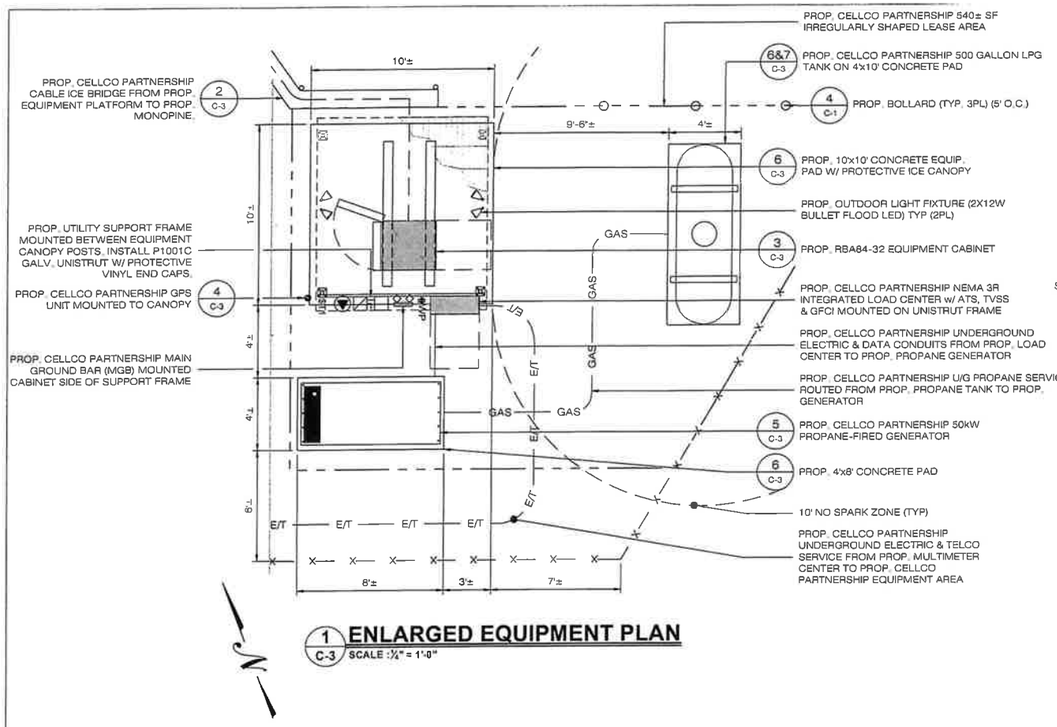
SHEET TITLE:

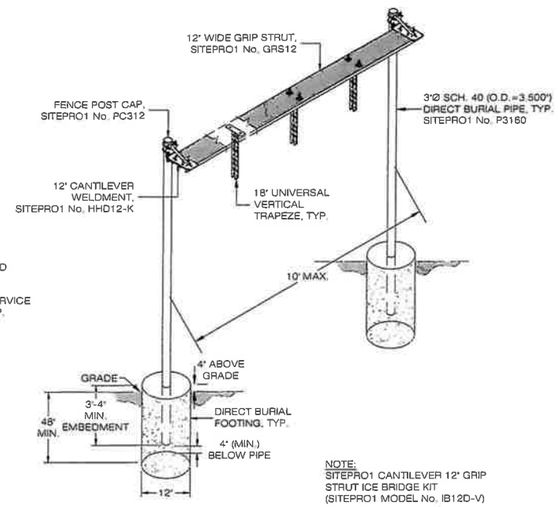
EROSION CONTROL & LANDSCAPING DETAILS

SHEET NUMBER:

C-2

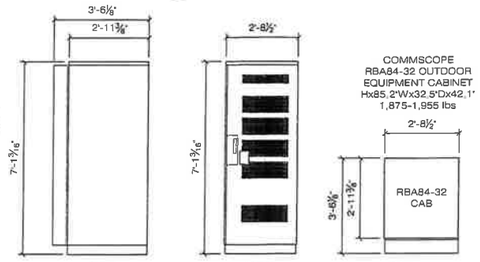


1 C-3 ENLARGED EQUIPMENT PLAN
SCALE : ¼" = 1'-0"

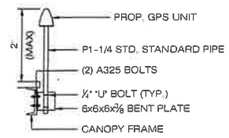


NOTE:
SITEPRO1 CANTILEVER 12" GRIP STRUT ICE BRIDGE KIT (SITEPRO1 MODEL No. IB12D-V)

2 C-3 CABLE BRIDGE & COAX HANGER DETAIL
SCALE : N.T.S.



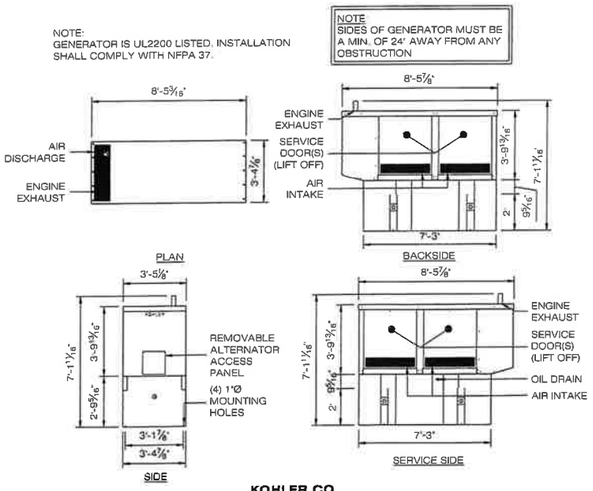
3 C-3 OUTDOOR RBA84-32 EQUIPMENT CABINET
SCALE : ¾" = 1'-0"



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

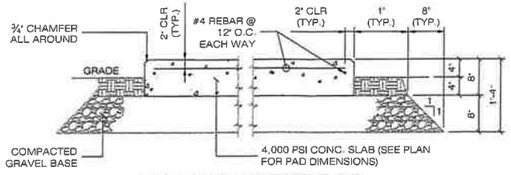
NOTE:
GENERATOR IS UL2200 LISTED. INSTALLATION SHALL COMPLY WITH NFPA 37.

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

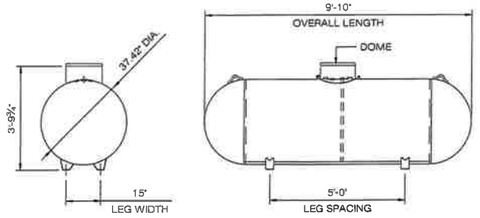


KOHLER CO.
50kW NG/PROPANE-POWERED GENERATOR
MODEL # KG50 50REOZK,
120/240V, 1PH, 3W, 60 Hz w/
SOUND ATTENUATION ENCLOSURE

5 C-3 PROPANE GENERATOR SCHEMATICS
SCALE : ¼" = 1'-0"



6 C-3 EQUIPMENT PAD
SCALE : N.T.S.



FRONT VIEW **SIDE VIEW**

1. 500 USWG AMSE VIII, DIV. 1 ABOVE GROUND LPG TANK
   - WEIGHT (EMPTY) = 871 lbs
2. LPG TANK TO BE BOLTED TO CONCRETE SLAB PER SUPPLIERS REQUIREMENTS.

NOTE:
PROVIDE TANK MANUFACTURER SHOP DRAWING FOR REVIEW BY ENGINEER OF RECORD PRIOR TO PURCHASE

NOTES:
1. PROPANE TANK SHALL BE REFILLED FROM HOSE PULLED FROM A REFILLING VEHICLE PARKED AT THE NEW PARKING AREA.
2. PER NFPA 58 TABLE 5.9.4.1(B) FILLER VALVE REQUIRED ON ALL TANKS BUT MAY BE MANUAL OR BACKFLOW CHECK VALVE, NFPA 58 5.9.4.1(C)(7).
3. ALL ABOVE-GROUND GAS SERVICE LINES MUST MEET NYS CODE REQULATIONS.

7 C-3 ABOVE GROUND PROPANE TANK DETAIL
SCALE : N.T.S.

HOMELAND TOWERS, LLC
9 HARMONY STREET
2nd FLOOR
DANBURY, CT 06810
(203) 297-8345

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

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

PERMITTING DOCUMENTS

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0	07/23/21	FOR REVIEW: RCB
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3	08/30/21	CLIENT COMMENTS: RCB
4		
5		
6		

DESIGN PROFESSIONALS OF RECORD

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

DEVELOPER: HOMELAND TOWERS, LLC
ADDRESS: 9 HARMONY STREET 2ND FLOOR DANBURY, CT 06810

HOMELAND TOWERS NORTH BRANFORD

SITE ADDRESS: 222 CLINTONVILLE ROAD NORTHFORD, CT 06472

APT FILING NUMBER: CT283990

DATE: 07/23/21 | DRAWN BY: CSH

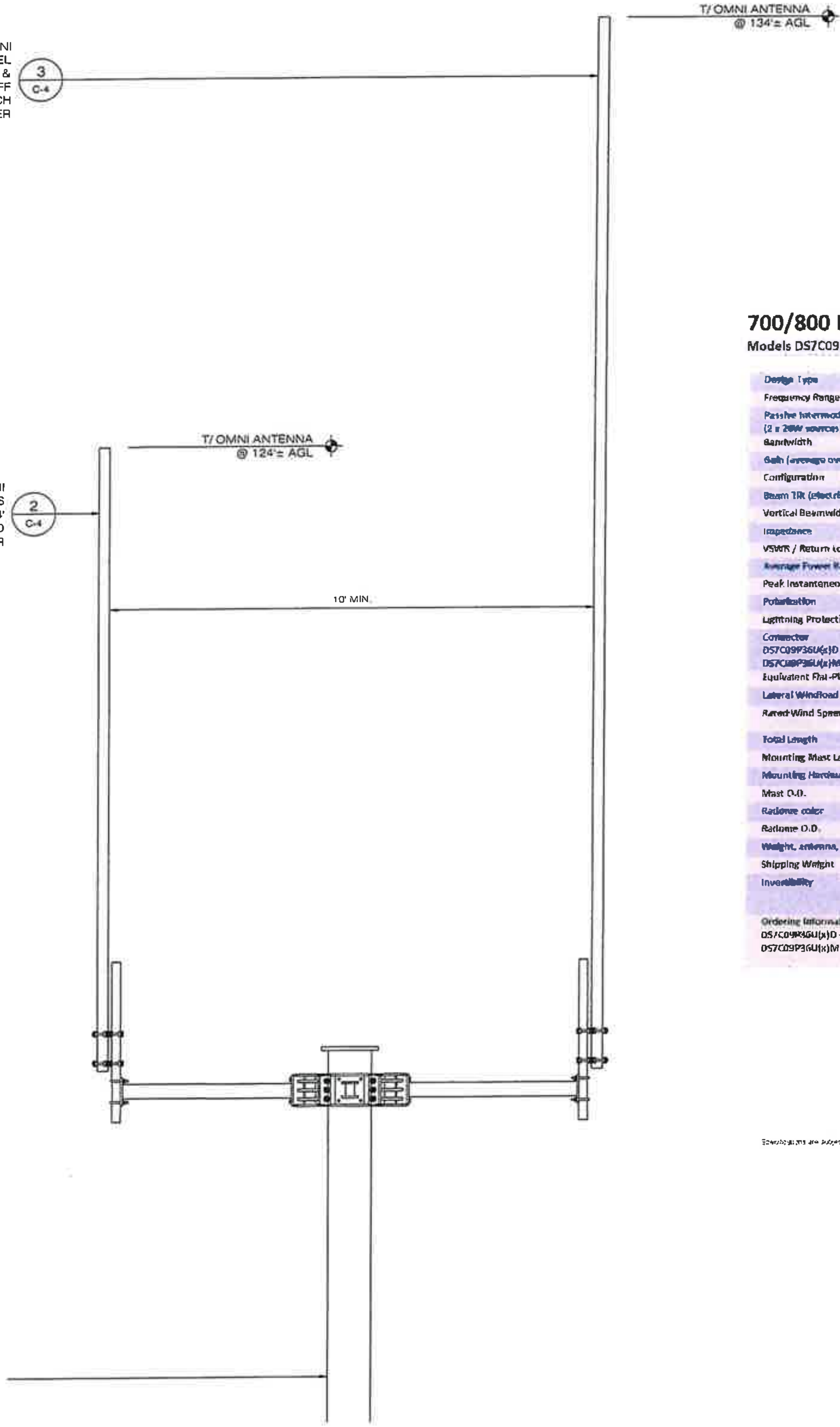
CHECKED BY: RCB

SHEET TITLE:

VERIZON EQUIPMENT PLAN & DETAILS

SHEET NUMBER:

C-3



1 C-4 **MUNICIPAL ANTENNA MOUNT**
SCALE : 1/2" = 1'-0"

dbSpectra

700/800 MHz Antenna - Omnidirectional, Low-PIM/Hi-PIP, 8.8 dBd

Models DS7C09P36U-Series Antennas

Specifications

Design Type	True Corporate Feed
Frequency Range	764-869 MHz
Passive Intermodulation – PIM (2 x 20W sources)	-150 dBc, 3rd Order
Bandwidth	105 MHz
Gain (average over BW)	8.8 dBd
Configuration	Single antenna
Beam Tilt (electrical downtilt)	(x) = - , 2, 3, 4, or 6 degrees
Vertical Beamwidth (E-Plane) typ.	6.2°
Impedance	50 ohms
VSWR / Return Loss	1.5:1 / 14 dB (min.)
Average Power Rating	500 W
Peak Instantaneous Power	25 KW
Polarization	Vertical
Lightning Protection	Direct Ground
Connector DS7C09P36U(x)D DS7C09P36U(x)M	 7/16 DIN (F) 4.3-10 (F)
Equivalent Flat-Plate Area	2.35 sq. ft
Lateral Windload Thrust @100mph	99 lbf.
Rated Wind Speed	175 mph (without ice) 149 mph (with ½" radial ice)
Total Length	14.2 feet
Mounting Mast Length	35 inches
Mounting Hardware (included)	DSH3V3N
Mast O.D.	2.5 inches
Radome color	Horizon Blue
Radome O.D.	3.0 inches
Weight, antenna, and hardware	68 lbs.
Shipping Weight	84 lbs.
Invertibility	Antennas are not invertible. For invertible tilt options contact dbSpectra at tech@dbspectra.com
Ordering Information DS7C09P36U(x)D – 7/16 DIN Connector DS7C09P36U(x)M – 4.3-10 Connector	1. Replace (x) in model number with Beam Tilt options. 2. "-" in the beam tilt options represents 0° down-tilt.

Features and Benefits

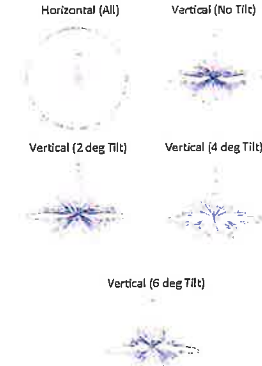
Tested to stringent Peak Instantaneous Power (PIP) levels of 25 KW using dbSpectra's multi-channel P25 PIP test bed. High PIP level is demanded by today's digital systems.

PIM-rated Design – 3rd-Order performance better than -150 dBc!

Sturdy Construction – Heavy-wall fiberglass radome minimizes tip deflection.

Excellent Lightning Protection – heavy internal conductor DC ground.

Radiation Patterns:



2 C-4 **14' OMNI ANTENNA**
SCALE : NTS

dbSpectra

700/800 MHz DUAL Antenna, Low-PIM, Hi-PIP, 9 dBd

Models DS7C09P36D-D, DS7C09P36D2D, and DS7C09P36D6D

Specifications

Design Type	True Corporate Feed/Dual
Frequency Range	764-869 MHz
Passive Intermodulation – PIM (2 x 20W)	-150 dBc, 3rd Order
Bandwidth	105 MHz
Gain - dBd (average over BW)	9.0 dBd (lower antenna) 8.7 dBd (top antenna)
Isolation (typical)	45 dB
Beam Tilt (electrical downtilt)	0° (none), 2°, or 6°
Vertical Beamwidth (E-Plane) typ.	6°
Impedance – Ohms	50
VSWR / Return Loss -- dB	1.5:1 / 14 dB (min.)
Average Power Rating	500 W (each antenna)
Peak Instantaneous Power	25 kW (each antenna)
Polarization	Vertical
Lightning Protection	Direct Ground
Connector	7/16 DIN female (x2)
Equivalent Flat-Plate Area	4.8 sq. ft.
Lateral Windload Thrust @100mph	179 lbf.
Rated Wind Speed	125 mph (without ice)
Total Length	24 feet
Mounting Mast Length	35 inches
Mounting Hardware (included)	DSH-3V4N (No Torsion)
Mast O.D.	3.5 inches
Radome color	Horizon Blue
Weight (approx.)	82 lbs.
Shipping Weight (approx.)	105 lbs.
Configuration: Dual, "Two antennas in one"	DIN

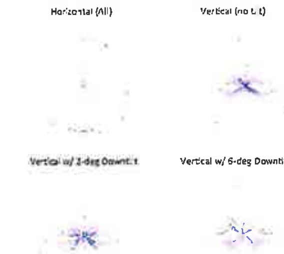
Features and Benefits

Dual-antenna configuration saves overall cost – allows two antennas in one tower slot!

High RF isolation between the independent antennas provides greater system performance and interference protection.

Tested to stringent Peak Instantaneous Power (PIP) levels of 25 KW using dbSpectra's 12-channel P25 PIP test bed. High PIP level is demanded by today's digital systems.

PIM Rated Design – better than -150 dBc.



3 C-4 **24' OMNI ANTENNA**
SCALE : NTS

HOMELAND TOWERS, LLC
9 HARMONY STREET
2nd FLOOR
DANBURY, CT 06810
(203) 297-6345

Cellco Partnership d/b/a
verizon WIRELESS
20 ALEXANDER DRIVE
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HOMELAND TOWERS
NORTH BRANFORD

SITE ADDRESS: 222 CLINTONVILLE ROAD NORTHFORD, CT 06472

APT FILING NUMBER: CT283990

DATE: 07/23/21 | DRAWN BY: CSH | CHECKED BY: RCB

SHEET TITLE:
MUNICIPAL ANTENNA PLAN & DETAILS

SHEET NUMBER:
C-4

ATTACHMENT 2

SARATOGA ASSOCIATES

Proposed Wireless Telecommunications Facility

Site Name: North Branford (CT-021)
222 Clintonville Road
Northford, CT 06472

VISUAL RESOURCE ASSESSMENT

HOMELAND TOWERS

Prepared for:
Homeland Towers
9 Harmony Street, 2nd Floor
Danbury, CT 06810

September 1, 2021

Landscape Architects, Architects, Engineers and Planners, P.C.

#2021-006

Homeland Towers seeks approval from the Connecticut Siting Council (CSC) to construct a wireless telecommunications facility (the "Facility") at 222 Clintonville Road, Town of North Branford, CT 06472 ("host property"). To address issues of potential visual impact, Saratoga Associates, Landscape Architects, Architects, Engineers, and Planners, P.C. was retained to conduct a Visual Resource Assessment ("VRA") of the proposed Project.

The study area for this VRA extends to a two-mile radius from the Facility (hereafter referred to as the "2-mile study area").

PROJECT DESCRIPTION

The Facility will be located at 41°23'45.28"N, 72°47'35.42"W. ("Facility site"). The 7.86± acre host property is identified as tax parcel #67-D6. The existing ground elevation at the Facility site is approximately 272± feet above mean sea level (AMSL). The Facility is located approximately 590 feet northeast of Clintonville Road, 510 feet southeast of Pistapaug Road and approximately 650 feet west of Old Post Road.

The Facility involves the construction of a wireless telecommunications structure consisting of a 110-foot-tall stealth monopine type tower designed to support up to four antenna levels. The upper antenna will be mounted at a centerline height of 96 feet above finished grade. One 14-foot tall and one 24-foot tall 2-inch diameter white colored omnidirectional "whip" Town public safety antennas will be mounted at the 110-foot elevation with the tallest whip antenna extending to a maximum height of 134 feet above finished grade. The two whip antennas will be separated horizontally by approximately 10 feet.

The stealth monopine tower design will include a dense non-uniform branching pattern with branches ranging in length from approximately 9 feet to 15 feet and in sufficient density to substantially conceal the antenna arrays and associated equipment, and help blend the structure with the visual characteristics of the surrounding woodland landscape. Antenna arrays will be covered in an earth tone green textured sleeve to further camouflage equipment. Monopine branching will extend to the 110-foot elevation. The stealth monopine will not include topping branches as a means to minimize the tower height.

In the alternative, this VRA also evaluates a traditional monopole structure painted an earth tone brown color to blend the facility with the woodland characteristics of the surrounding landscape. For this alternative the structure includes a 100-foot-tall primary tubular steel tower measuring approximately 5 feet in diameter at the base tapering to approximately 3 feet at the top designed to support up to four antenna levels. The upper antenna will be mounted at a centerline height of 96 feet above finished grade.

To maintain a slim profile, the brown colored monopole alternative includes a 10-foot-tall tubular steel extension approximately 1-foot in diameter mounted atop the primary tower resulting in a total tower height of 110 feet above finished grade. One 14-foot tall and one 24-foot tall 2-inch diameter white colored omnidirectional "whip" Town public safety antennas will be mounted at the 110-foot elevation with the tallest whip antenna extending to a maximum height of 134 feet above finished grade. The two whip antennas will be separated horizontally by approximately 10 feet.

Associated ground equipment will be located within a 75 by 57-foot (4,061 square foot) irregularly shaped fenced compound at the base of the tower. The ground level equipment will be approximately eight (8) feet tall. The compound fence will be eight feet tall. Access to the Facility site will be from a new 785± foot long 12-foot-wide access drive connecting with an existing paved driveway on-site. The fenced compound, parking area and access drive will be gravel surface. Construction of compound and access drive will require removal of a number of mature trees from the wooded site.

LANDSCAPE SETTING

The Facility is located in North Branford, CT (2019 estimated population 14,146[1]). The 7.86± acre host property is zoned R40-Residencel as defined by the North Branford Town Code.

The host property is bordered by Clintonville Road to the east. The western portion of the host property is occupied by a single-family residence and two small accessory cottages. The eastern portion of the host property is undeveloped woodland. The Facility is bordered on all sides by dense woodland, which provides a substantial buffer visual between the Facility and adjacent properties and roadways.

Land use within two miles of the Facility is generally comprised of a relatively even mix of low to moderate density (1/2 to 10+ acre) single family residential properties and undeveloped woodlot, with areas of active and inactive agriculture. Structures are typically one- and two-story single-family homes within organized subdivisions or individual homes setback from local roads. Residential neighborhoods are commonly wooded, often with well landscaped understory areas that generally limit views to the immediate foreground. Along roadways mature trees commonly extend to road edges preventing long distance vistas.

The hamlet of Northford is approximately 1,000 feet southeast of the Facility. The hamlet is comprised of a small commercial district including two small retail plazas, individual retail and commercial businesses, gas stations, fire station, library, institutional facilities and churches.

[1]vhttps://www.census.gov/quickfacts/fact/table/northbranfordtownnewhavencountyconnecticut/BZA110218

The nearest residential structure is approximately 213 feet north of the Facility (61 Pistapaug Road). The Facility is approximately 270 feet east of the Center for Autism Spectrum & Development Disorders ("ACES") (26 Old Post Road).

Table 1 summarizes land cover within the 2-mile study area.

Table 1- Land Cover (2-Mile Study Area)

Type	Coverage (acres)	Percent Coverage
Woodland	5,545	69%
Developed	1,935	24%
Agriculture (active/inactive/scrub)	542	7%
Open Water	11	<1%
Total	8,040	100%

The local topography is characterized by a hilly and often steeply sloped landscape. The topographic high point (elevation 597± feet AMSL) is Totoket Mountain approximately 1.5 miles east of the Facility. The topographic low point (elevation 38± feet AMSL) is along Muddy River at the southwest portion of the 2-mile study area. Waterbodies include Dayton Pond (4 acres±), and several other minor ponds.

VIEWSHED ANALYSIS

Viewshed mapping identifies the geographic area within which there is a relatively high probability that some portion of the Facility could be visible above intervening landform, buildings and vegetation.

Global Mapper 21.0 GIS software was used to generate viewshed areas based on publicly available LiDAR data. A digital surface model (DSM) created from the State of Connecticut 2016 LiDAR LAS data points. The DSM captures the natural and built features of the earth's surface. Using Global Mapper's viewshed analysis tool, the proposed Facility location and height were input and a conservative offset of six feet was applied to account for the observer's eye level. The resulting viewshed identifies grid cells with a theoretical line-of-sight to the Facility high point (i.e., 110 feet above ground level).

By themselves, the viewshed maps do not determine how much of the proposed Facility would be visible above intervening landform, structures or vegetation (e.g., 100%, 50%, 10% etc. of total tower height), but rather the geographic area within which some portion of the Facility would theoretically be visible. Their primary purpose is to provide a general understanding of a Facility's potential visibility and identify areas to be visited during field reconnaissance.

Figure A1 identifies areas of potential project visibility at a macro scale within the 2-mile study area. Figure A2 provides a more localized assessment potential visibility within 1/2 mile of the facility. Figure A1 and Figure A2 are provided in Appendix A.

Of the 8,040 acres within the 2-mile study area, a view of the proposed telecommunications tower is theoretically possible from approximately 39 acres (0.5%). Of the 502 acres within 1/2-mile of the Facility, a view of the proposed tower is possible from approximately 10 acres (2%).

STUDY AREA RECONNAISSANCE

A balloon visibility test was conducted on February 24, 2021. The weather on February 21, 2021 was sunny with clear visibility. One 4-foot± diameter red balloon was raised to an elevation of approximately 100 feet above grade[2] (measured to the bottom of the balloon). The balloon was anchored approximately 30 feet northeast of the proposed tower center in order to avoid overhead tree canopy. The balloon was raised at approximately 8:00am and remained aloft until approximately 1:45pm.

Wind on February 24, 2021 was approximately 5mph between 8am and 11am, increasing to approximately 8mph between 11am and 12:45am. The balloon remained stable at or near the intended altitude for most of the test duration. Increasing winds resulted in a small degree of balloon blowdown (estimated to be less than 10 feet) near the end of the float period.

The balloon test was conducted during winter leaf-off season to represent the worst-case (i.e., most exposed) visual condition. Project visibility will be substantially less during summer leaf-on season.

While the balloon was in the air a visual analyst drove and walked public roads to inventory those areas where viewshed mapping identified potential Facility visibility. Photographs were taken from 83 locations within the study area.

Photographs were taken using a Canon 6D Mark II digital single lens reflex ("DSLR") 26-mega pixel camera with a lens setting of 50mm to minimize optical distortion and best represent human eyesight. The precise coordinates of each photo location were recorded in the field using a handheld global positioning system (GPS) unit. Prior to field reconnaissance, the coordinates of the proposed telecommunications tower were programmed into a handheld GPS unit as a "waypoint." The "waypoint indicator" function of the GPS (arrow pointing along a calculated bearing) was used to assist the visual analyst in determining the direction of the tower site from each photo location in cases where the balloon was not visible though or above intervening vegetation.

[2] At the time of the balloon test the proposed tower height was established at 100 feet above grade. All photo simulations provided in this VRA are adjusted to accurately depict the currently proposed tower height of 110 feet plus the 14-foot and 24-foot tall whip antennas mounted at the 110 foot elevation.

Photo locations are identified on Figures A1 and A2. Photographs taken from each location are provided in Appendix B. Balloon visibility as observed in the field (either visible above trees, seasonally visible through trees or not visible) is indicated for each photo location.

VISUAL RESOURCES

Northford Center Historic District – The Northford Center Historic District is listed on the National Register of Historic Places. The district generally follows the upper Farm River Valley in North Branford. The District consists of two principal streets: Middletown Avenue (State Route 17), the former Middletown Turnpike that runs alongside the river for almost two miles; and portions of Old Post Road. These roads diverge in the institutional center in the southern part of this linear district, with Old Post Road rising steeply before leveling off to rejoin Middletown Avenue. They also are connected by Maltby Lane near the center of the district. The district boundary is identified in Figures A1 and A2.

The district contains 106 resources, of which 85 contribute to its architectural and historic character. Although most of the contributing resources are houses and associated outbuildings, the district also includes two churches, a schoolhouse, a library, and a small triangular green, the site of a war memorial, at the southern intersection of the two major roads (*see* Northford Center Historic District report for additional information).

50 photos taken during the balloon visibility test are located within or immediately adjacent to the Northford Center Historic District. (*see* Appendix B Photos 01-50).

Viewshed analysis and the balloon visibility test demonstrate that the Facility will not be visible above intervening vegetation from any location within the Northford Center Historic District. Seasonal views through existing deciduous branches and stems may occur from approximately 800 linear feet of Old Post Road in the vicinity of the Center for Autism Spectrum & Development Disorders (26 Old Post Road). Highly filtered seasonal views may also occur along a 1,200-foot segment of Middletown Avenue (State Route 17) north of the Northford Square retail plaza. Such views will be substantially or completely screened during summer leaf-on season.

Residential Areas - Within ½ mile of the Facility residential development is largely clustered in planned single-family residential neighborhoods and road frontage properties. Dense woodland and well landscaped understory areas commonly limit views from residential properties to the immediate foreground. From most residential properties, views of the Facility will be substantially or fully screened by intervening dense mature woodland vegetation – even during winter leaf-off-season.

Nearby residential streets within ½ mile of the Facility generally include Clintonville Road, Woodhouse Avenue, Greenmeadow Drive, Pistapaug Road, Birchwood Road, Old Post Road and

Middletown Avenue. Portions of the Montgomery Village residential subdivision and the Totoket Woods Apartment complex are also within ½ mile of the Facility. Views from most residential properties are substantially or completely screened by existing woodland vegetation. Viewshed analysis identifies several small areas where a portion of the Facility may be visible above intervening vegetation. Such views are not common.

Limited seasonal views though existing deciduous branches and stems may occur from residential properties generally within 1,000 feet of the Facility. Such views will be substantially or completely screened by intervening deciduous vegetation during summer leaf-on season.

Public Roadways - Approximately 56 miles of public roadways are within the 2-mile study area. Middletown Avenue (State Route 17) is the most heavily travelled roadway with an average daily traffic volume (AADT) of approximately 11,400 vehicles per day at the intersection of Old Post Road in the hamlet of Northford.

Approximately 5 miles of public roadways are within ½-mile of the Facility. Viewshed analysis identified theoretical views of the Facility above intervening vegetation along approximately 1,170 linear feet (4%) of roadway within this ½-mile radius. Field observation conducted during the balloon visibility test identified approximately 1.1 miles of public roadway within the ½ mile radius where limited seasonal visibility of the Facility through intervening deciduous branches and stems may occur during winter leaf-off season. When visible, views from roadways will be brief and intermittent through roadside vegetation or between structures. Visibility during summer leaf-on season will be substantially or completely screened by roadside deciduous vegetation. Appendix B contains numerous photographs taken during the balloon test documenting this limited degree of Facility visibility from public roadways.

Given the complex visual stimuli encountered by motorists travelling in a moving vehicle, even if the Facility is visible it is likely viewer recognition of the Facility would be limited. As the tendency of motorists is to focus down the road peripheral views of the Facility may largely go unnoticed by most travelers.

PHOTO SIMULATIONS

To illustrate how the Facility will appear photo simulations were prepared from eight (8) affected photo locations. Photo simulations were developed by superimposing a rendering of a three-dimensional computer model of the proposed Facility into the base photograph taken from each corresponding visual receptor. The three-dimensional computer model was developed using *3D Studio Max Design®* software (3D Studio Max).

Simulated perspectives (camera views) were matched to the corresponding base photograph for each simulated view by replicating the precise coordinates of the field camera position (as recorded by handheld GPS) and the focal length of the camera lens used (e.g., 50mm).

Precisely matching these parameters assures scale accuracy between the base photograph and the subsequent simulated view. The camera's elevation (Z) value is derived from digital elevation model (DEM) data plus the camera's height above ground level. The camera's target position was set to match the bearing of the corresponding existing condition photograph as recorded in the field. With the existing conditions photograph displayed as a "viewport background," and the viewport properties set to match the photograph's pixel dimensions, minor camera adjustments were made (horizontal and vertical positioning, and camera roll) to align the horizon in the background photograph with the corresponding features of the 3D model.

To verify the camera alignment, elements visible within the photograph (e.g., existing buildings, utility poles, topography, etc.) were identified and digitized from digital orthophotos as needed. Each element was assigned a Z value based on DEM data and then imported to 3D Studio Max. A 3D terrain model was also created (using DEM data) to replicate the existing local topography. The digitized elements were then aligned with corresponding elements in the photograph by adjusting the camera target. If necessary, slight camera adjustments were made for accurate alignment.

A daylight system was created matching the exact date and time of each baseline photograph to assure proper shading and shadowing of modeled elements.

Once the camera alignment was verified, a to-scale 3D model of the proposed 110-foot-tall stealth monopine style telecommunications tower was merged into the model space. The 3D model of Facility was constructed in sufficient detail to accurately convey visual character and reveal impacts. The scale, alignment, elevations and location of the visible elements of the proposed tower are true to the conceptual design. Post production editing (i.e., airbrush out portion of tower that falls below or behind foreground topography and vegetation) was completed using Adobe Photoshop software. The methodology accurately represents the location, height and visual character of the proposed tower.

Alternative Tower Designs – Supplemental photo simulations are included for each location to illustrate the alternative brown color monopole to test the effectiveness of using a natural color scheme to blend a traditional monopole tower into the landscape setting.

Photo simulations are provided in Appendix C.

SUMMARY AND CONCLUSION

The Facility involves the construction of a wireless telecommunications structure consisting of a 110-foot-tall stealth monopine type tower designed to support up to four antenna levels. The stealth monopine tower design will include a dense non-uniform branching pattern that will help to blend the structure with the visual characteristics of the surrounding woodland landscape. The stealth monopine will not include topping branches as a means to minimize the tower height.

The Facility is located within a densely wooded area off of Clintonville Road the Town of North Branford, CT. The Facility is bordered on all sides by dense woodland which provides a substantial visual screening from off-site vantage points.

The study area is characterized by a hilly and often steeply sloped landscape with large areas of undeveloped woodland and areas of low to moderate density (1/2 to 10+ acre) single family residential development. Residential neighborhoods are commonly wooded, often with well landscaped understory areas that generally limit views to the immediate foreground. Along roadways, mature trees commonly extend to road edges preventing long distance vistas.

Viewshed Analysis Summary - Of the 8,040 acres within the 2-mile study area, a view of the proposed telecommunications tower is theoretically possible from approximately 39 acres (0.5%). Of the 502 acres within 1/2-mile of the Facility, a view of the proposed tower is possible from approximately 10 acres (2%).

Visibility from Residential Neighborhoods and Local Roads - Residential development is generally clustered in planned single-family residential neighborhoods or road frontage properties. Residential properties are often well landscaped with mature deciduous and evergreen trees and understory vegetation which limit views to the immediate foreground. From most residential properties, views of the Facility will be substantially of fully screened by intervening dense mature vegetation – even during winter leaf-off-season.

Of the 5 miles of public roads within ½ mile of the Facility, potential project direct views above intervening trees are found along approximately 1,170 linear feet (4%). Affected areas are brief road segments with intermittent glimpses views between existing roadside trees.

Visibility from the Northford Center Historic District – The Facility will not be visible above intervening vegetation from any location within the Northford Center Historic District. Seasonal views through existing deciduous stems and branches will occur from approximately 800 linear feet of Old Post Road in the vicinity of the Center for Autism Spectrum & Development Disorders (26 Old Post Road). Highly filtered seasonal views were also found along a 1,200-foot segment of Middletown Avenue (State Route 17) north of the Northford Square retail plaza. Such views will be substantially or completely screened during summer leaf-on season.

Alternative Tower Designs

- Proposed Stealth Monopine - The Facility involves the construction of a wireless telecommunications structure consisting of a 110-foot-tall stealth monopine type tower with a dense non-uniform branching pattern that will help to blend the structure with the surrounding woodland landscape. As the Facility is most commonly viewed through existing deciduous vegetation or low to the woodland horizon the stealth monopine is a highly effective in minimizing visual contrast.

- Brown Monopole. In lieu of the proposed stealth monopine type tower photo simulations were prepared illustrating the visual characteristics of a traditional monopole tower design painted in an earth tone color scheme to minimize visual contrast by blending with the natural colors of the surrounding forest.

  Because the tower remains below, or close to the tree line, existing woodland vegetation substantially filters views of all, or most of the vertical height of the tower. Intervening tree stems and branches effectively interrupt the vertical form of the traditional monopole substantial minimizing its visual contrast. Use of an earth tone paint color consistent with the surrounding woodland further minimizes the visual contrast of the built structure.

Conclusion - Viewshed analysis, the balloon visibility test/photo documentation and subsequent photo simulation demonstrates the Facility will be fully screened from a large majority of the surrounding landscape by intervening vegetation.

Of the 8,040 acres within the 2-mile study area, a view of the proposed telecommunications tower is theoretically possible from approximately 56 acres (0.7%). Of the 502 acres within 1/2-mile of the Facility, a view of the proposed tower is possible from approximately 51 acres (10%). Of this, approximately 39 acres falls within undeveloped agricultural fields or meadows (e.g., areas not regularly visited by the public). Just 12 acres within a ½ mile radius (2%) falls within developed areas.

From most affected vantage points Facility views will be filtered through intervening deciduous stems and branches during winter leaf-off season. Such views will be substantially or completely screened during summer leaf-on season. In the limited areas where the Facility is visible above existing vegetation the tower remains low to the tree line and generally indistinct.

The Facility will not be visible above intervening vegetation from any location within the Northford Center Historic District.

Based on this degree of Facility visibility, the potential project visibility is not of a size or extent that it would constitute an unacceptable magnitude. Nor does the Facility affect a sufficient

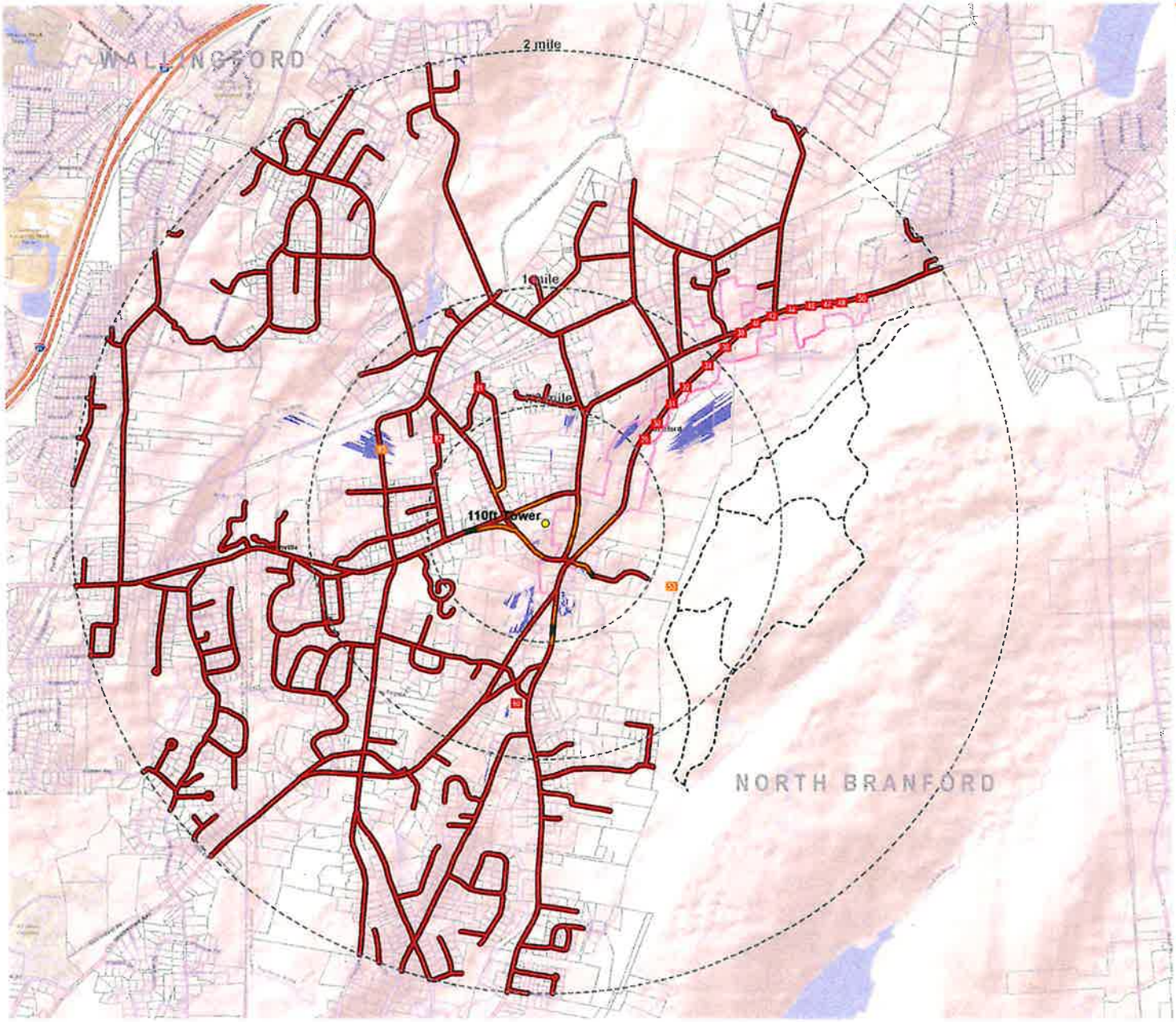
number of public viewers or geographic area where the Facility can reasonably be deemed to be visually important. As such the proposed Project will not result in an adverse visual impact.

Submitted by:

Matthew W. Allen, RLA

APPENDIX A

Viewshed Maps



LEGEND

Land Cover Viewshed Area (110ft Tower)
(Includes existing vegetation and structures)

Scenic Resources

Northford Center Historic District
Trail

Photo Locations/Balloon Visibility
(see Figure A2 for locations within 1/2 mile radius)

Balloon not visible
Balloon seasonally visible through trees
Balloon visible above trees

Note: Viewshed areas are not definitive. Viewshed mapping provides a general understanding of where the proposed project is theoretically visible based on regional topographic, forest and building cover data sources.

The "Land Cover" condition viewshed area includes the screening effect of intervening vegetation and buildings. The location and height of vegetated areas and buildings is based on 2016 Lidar data aquired from Connecticut DEEP.

0 ft 1000 ft 2000 ft 3000 ft 4000 ft 5000 ft

Figure A1
LAND COVER VIEWSHED MAP - 2 MILE RADIUS

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

LEGEND

Land Cover Viewshed Area (110ft Tower)
(Includes existing vegetation and structures)

Scenic Resources

Northford Center Historic District
Trail

Photo Locations/Balloon Visibility

Balloon not visible
Balloon seasonally visible through trees
Balloon visible above trees

Photo Simulation

Note: Viewshed areas are not definitive. Viewshed mapping provides a general understanding of where the proposed project is theoretically visible based on regional topographic, forest and building cover data sources.

The "Land Cover" condition viewshed area includes the screening effect of intervening vegetation and buildings. The location and height of vegetated areas and buildings is based on 2016 Lidar data aquired from Connecticut DEEP.

0 ft 250 ft 500 ft 750 ft 1000 ft 1250 ft

Figure A2
LAND COVER VIEWSHED MAP - 1/2 MILE RADIUS

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

APPENDIX B

Photo Log

Existing View

Photo	Location	Distance to Site	Visibility
01	Northford Center Historic District - Saint Andrews Episcopal Church	1,370 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
02	Northford Center Historic District - Middletown Avenue near #1386	1,280 ft	Not Visible

PHOTO LOG

Figure B1

Existing View

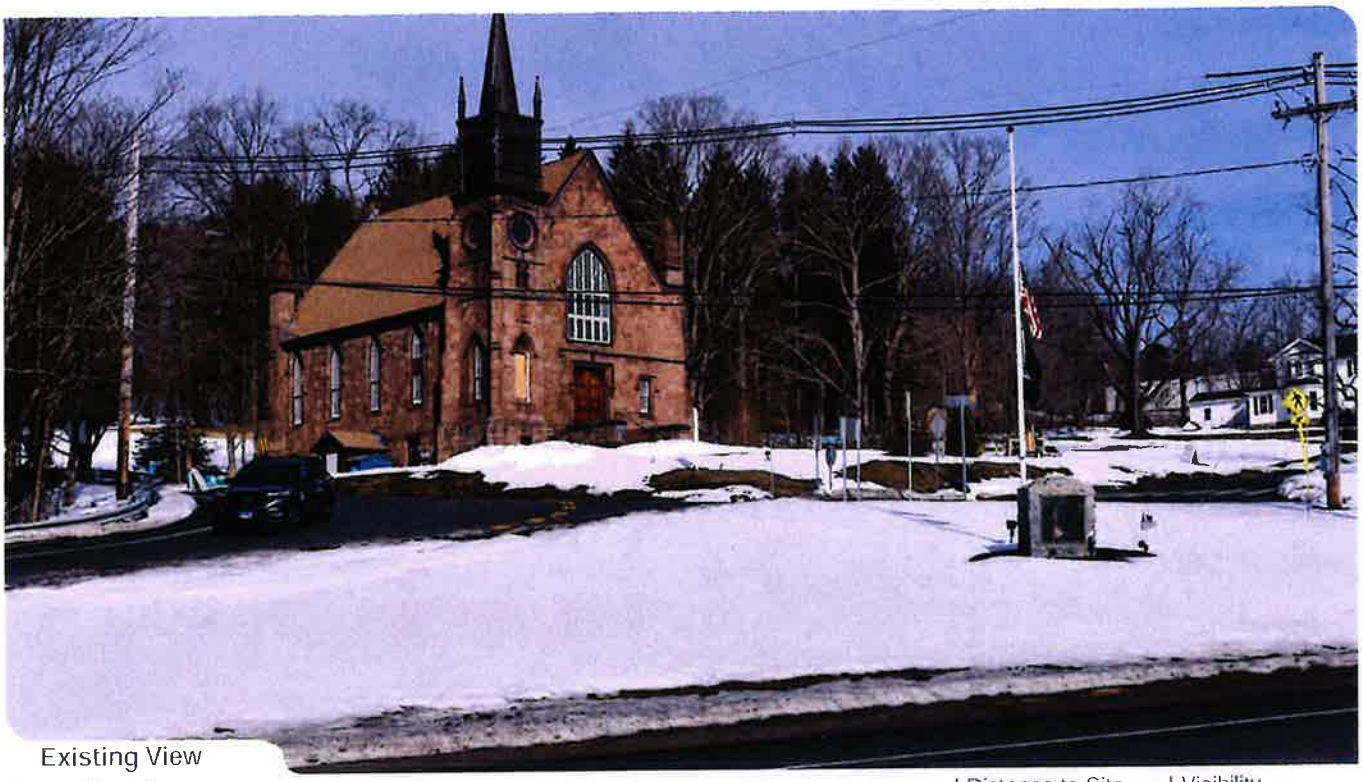
Photo	Location	Distance to Site	Visibility
03	Northford Center Historic District - Middletown Avenue Traffic Island	1,140 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
04	Northford Center Historic District - Middletown Avenue Traffic Island	1,060 ft	Not Visible

PHOTO LOG

Figure B2



Existing View

Photo	Location	Distance to Site	Visibility
05	Northford Center Historic District - Middletown Avenue at Northford Store	1,080 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
06	Northford Center Historic District - Middletown Avenue near #1409	1,040 ft	Not Visible

PHOTO LOG

Figure B3

Existing View

Photo	Location	Distance to Site	Visibility
07	Northford Center Historic District - Middletown Avenue near Mansfield Drive	990 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
08	Northford Center Historic District - Clintonville Road near #250	760 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
09	Northford Center Historic District - Northford Congregational Church	790 ft	Seasonal

Existing View

Photo	Location	Distance to Site	Visibility
10	Northford Center Historic District - Old Post Road near Edward Smith Library	770 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
11	Northford Center Historic District - Old Post Road near #19	690 ft	Seasonal

Existing View

Photo	Location	Distance to Site	Visibility
12	Northford Center Historic District - Old Post Road near #23	660 ft	Not Visible

PHOTO LOG

Figure B6

SARATOGA ASSOCIATES

HOMELAND TOWERS

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

Existing View

Photo	Location	Distance to Site	Visibility
13	Northford Center Historic District - Old Post Road near ACES	640 ft	Seasonal

Existing View

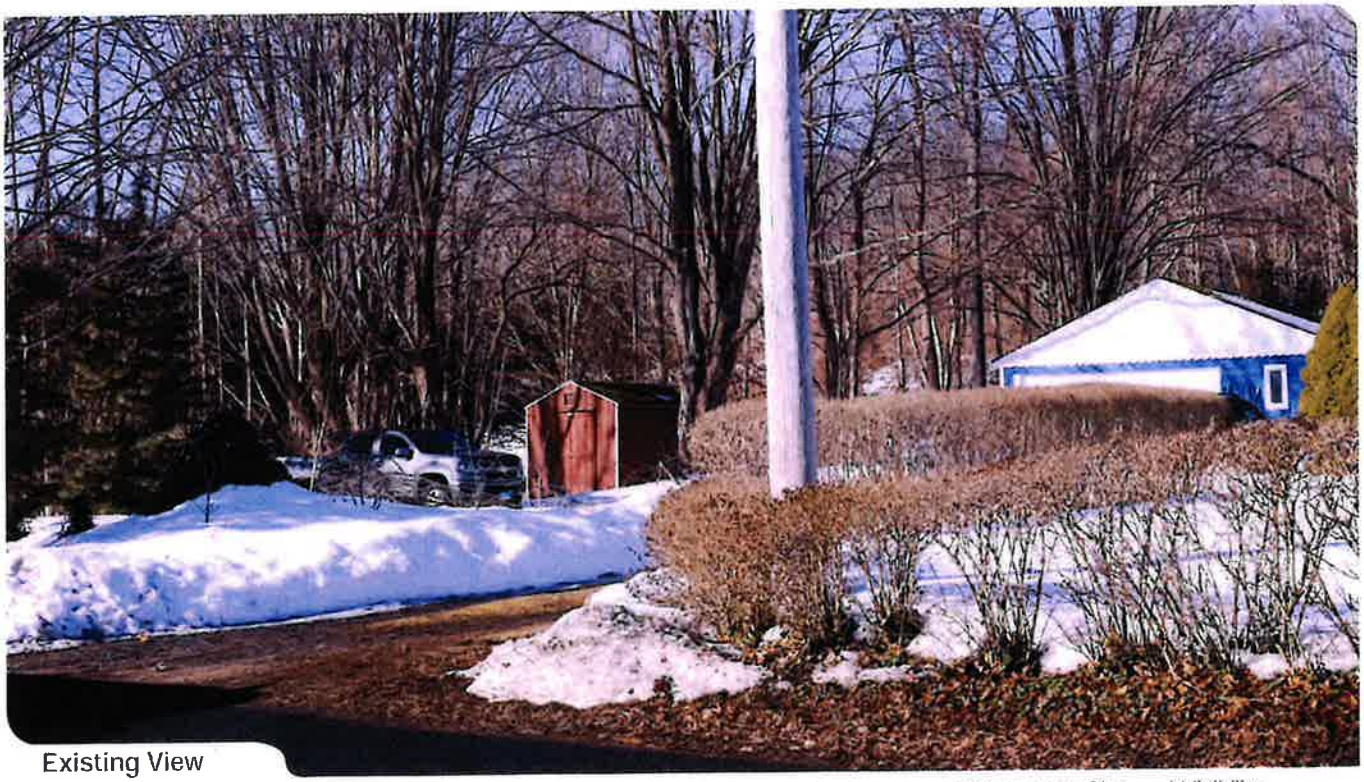
Photo	Location	Distance to Site	Visibility
14	Northford Center Historic District - Old Post Road near ACES	680 ft	Seasonal

PHOTO LOG

Figure B7

Existing View

Photo	Location	Distance to Site	Visibility
15	Northford Center Historic District - Old Post Road near #49	800 ft	Seasonal



Existing View

Photo	Location	Distance to Site	Visibility
16	Northford Center Historic District - Old Post Road near #58	860 ft	Not Visible

PHOTO LOG

Figure B8

SARATOGA ASSOCIATES

HOMELAND TOWERS

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

Existing View

Photo	Location	Distance to Site	Visibility
17	Northford Center Historic District - Old Post Road near #58	900 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
18	Northford Center Historic District - Old Post Road at Pistapaug Road	980 ft	Not Visible

PHOTO LOG

Figure B9

Existing View

Photo	Location	Distance to Site	Visibility
19	Northford Center Historic District - near Edward Smith Library	1,060 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
20	Northford Center Historic District - Middletown Ave at Northford Square	990 ft	Seasonal

PHOTO LOG

Figure B10

Existing View

Photo	Location	Distance to Site	Visibility
21	Northford Center Historic District - Middletown Ave near Edward Smith Library	1,030 ft	Seasonal

Existing View

Photo	Location	Distance to Site	Visibility
22	Northford Center Historic District - Middletown Ave near #1438	1,040 ft	Seasonal

PHOTO LOG

Figure B11

Existing View

Photo	Location	Distance to Site	Visibility
23	Northford Center Historic District - Middletown Ave near Post Office	1,090 ft	Seasonal

Existing View

Photo	Location	Distance to Site	Visibility
24	Northford Center Historic District - Middletown Ave near #1446	1,270 ft	Seasonal

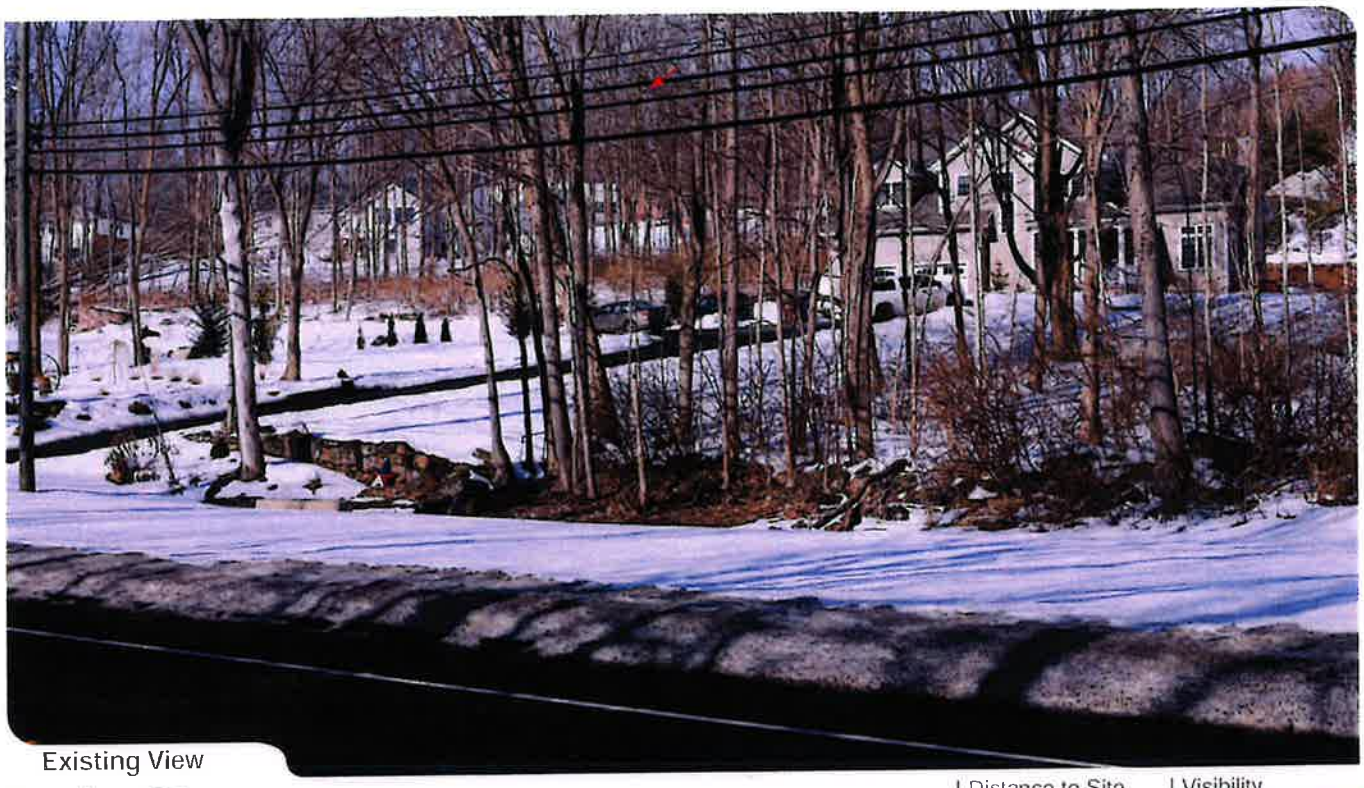
PHOTO LOG

Figure B12

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

HOMELAND TOWERS



Existing View

Photo	Location	Distance to Site	Visibility
25	Northford Center Historic District - Middletown Ave near #1448	1,340 ft	Seasonal

Existing View

Photo	Location	Distance to Site	Visibility
26	Northford Center Historic District - Middletown Ave near #1452	1,540 ft	Not Visible

PHOTO LOG

Figure B13

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

HOMELAND TOWERS

Existing View

Photo	Location	Distance to Site	Visibility
27	Northford Center Historic District - Middletown Ave near #1514	2,280 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
28	Northford Center Historic District - Middletown Ave at Rosabianca Vineyards	2,560 ft	Not Visible

PHOTO LOG

Figure B14

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

HOMELAND TOWERS

Existing View

Photo	Location	Distance to Site	Visibility
29	Northford Center Historic District - Middletown Ave at Rosabianca Vineyards	2,880 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
30	Northford Center Historic District - Middletown Ave near #1572	3,220 ft	Not Visible

PHOTO LOG

Figure B15

Existing View

Photo	Location	Distance to Site	Visibility
31	Northford Center Historic District - Middletown Ave at Maltby Lane	3,880 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
32	Northford Center Historic District - Middletown Ave near #1565	4,350 ft	Not Visible

PHOTO LOG

Figure B16

Existing View

Photo	Location	Distance to Site	Visibility
33	Northford Center Historic District - Middletown Ave near #1635	4,800 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
34	Northford Center Historic District - Middletown Ave near #1639	5,050 ft	Not Visible

PHOTO LOG

Figure B17

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

HOMELAND TOWERS

Existing View

Photo	Location	Distance to Site	Visibility
35	Northford Center Historic District - Middletown Ave near #1647	5,300 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
36	Northford Center Historic District - Middletown Ave near #1659	5,620 ft	Not Visible

PHOTO LOG

Figure B18

Existing View

Photo	Location	Distance to Site	Visibility
37	Northford Center Historic District - Middletown Ave near Old Post Road	5,870 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
38	Northford Center Historic District - Middletown Ave at Old Post Road	6,080 ft	Not Visible

PHOTO LOG

Figure B19

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

HOMELAND TOWERS

Existing View

Photo	Location	Distance to Site	Visibility
39	Northford Center Historic District - Middletown Ave near Farmington Drive	6,280 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
40	Northford Center Historic District - Middletown Ave near #1693	6,480 ft	Not Visible

PHOTO LOG

Figure B20

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

HOMELAND TOWERS

Existing View

Photo	Location	Distance to Site	Visibility
41	Northford Center Historic District - Middletown Ave near #1703	6,690 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
42	Northford Center Historic District - Middletown Ave near #1709	6,870 ft	Not Visible

PHOTO LOG

Figure B21

Existing View

Photo	Location	Distance to Site	Visibility
43	Northford Center Historic District - Middletown Ave near #1713	7,090 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
44	Northford Center Historic District - Middletown Ave near #1739	7,300 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
45	Northford Center Historic District - Middletown Ave near #1743	7,560 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
46	Northford Center Historic District - Middletown Ave near #1775	7,780 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
47	Northford Center Historic District - Middletown Ave near #1775	7,990 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
48	Northford Center Historic District - Middletown Ave near #1776	8,270 ft	Not Visible

PHOTO LOG

Figure B24

Existing View

Photo	Location	Distance to Site	Visibility
49	Northford Center Historic District - Middletown Ave near #1795	8,580 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
50	Northford Center Historic District - Middletown Ave near #1796	8,700 ft	Not Visible

PHOTO LOG

Figure B25

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

HOMELAND TOWERS

Existing View

Photo	Location	Distance to Site	Visibility
51	Mansfield Drive at Northford Square	1,800 ft	Seasonal

Existing View

Photo	Location	Distance to Site	Visibility
52	Mansfield Drive near #21	1,500 ft	Year Round

PHOTO LOG

Figure B26

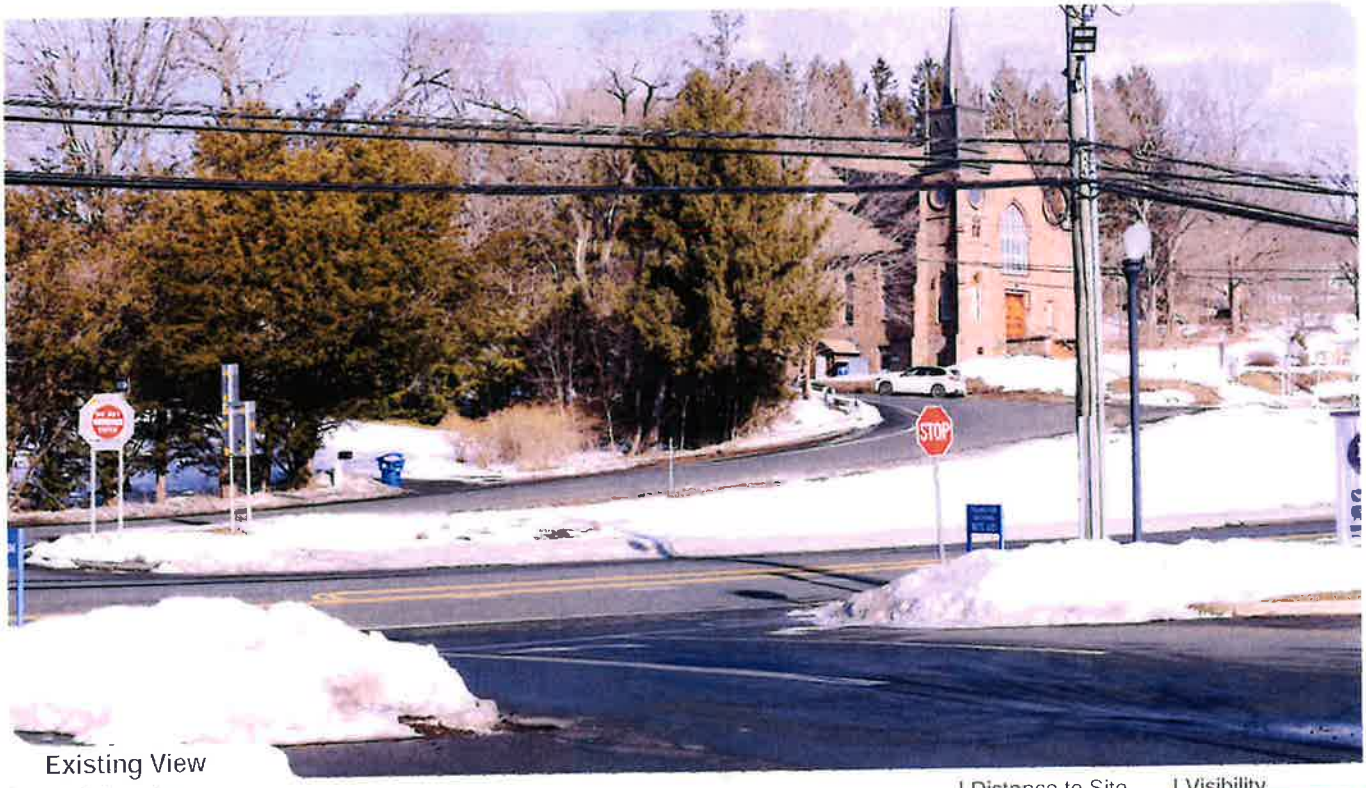
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

HOMELAND TOWERS

Existing View

Photo	Location	Distance to Site	Visibility
53	Totoket Woods	3,100 ft	Seasonal



Existing View

Photo	Location	Distance to Site	Visibility
54	Middletown Avenue at Rite Aid Pharmacy	1,200 ft	Not Visible

PHOTO LOG

Figure B27

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

HOMELAND TOWERS

Existing View

Photo	Location	Distance to Site	Visibility
55	Forest Road near Ardsley Avenue	1,480 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
56	Northford Center Parking Lot	1,770 ft	Year Round

PHOTO LOG

Figure B28

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

HOMELAND TOWERS

Existing View

Photo	Location	Distance to Site	Visibility
57	Forest Road at Northford Center	1,700 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
58	Forest Road near #809	2,480 ft	Year Round

PHOTO LOG

Figure B29

SARATOGA ASSOCIATES

HOMELAND TOWERS

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

Existing View

Photo	Location	Distance to Site	Visibility
59	Forest Road near #809	2,630 ft	Seasonal

Existing View

Photo	Location	Distance to Site	Visibility
60	Northford Cemetery	4,090 feet	Not Visible

PHOTO LOG

Figure B30

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

HOMELAND TOWERS

Existing View

Photo	Location	Distance to Site	Visibility
61	Totoket Valley Elementary School	1,760 ft	Year Round

Existing View

Photo	Location	Distance to Site	Visibility
62	Stanley Williams Community Center	2,100 ft	Year Round

Existing View

Photo	Location	Distance to Site	Visibility
63	Clintonville Road near #250	720 ft	Seasonal

Existing View

Photo	Location	Distance to Site	Visibility
64	Clintonville Road near #250	670 ft	Seasonal

PHOTO LOG

Figure B32

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

HOMELAND TOWERS

Existing View

Photo	Location	Distance to Site	Visibility
65	Clintonville Road near #250	630 ft	Seasonal

Existing View

Photo	Location	Distance to Site	Visibility
66	Clintonville Road near #246	600 ft	Seasonal

PHOTO LOG

Figure B33

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

HOMELAND TOWERS

Existing View

Photo	Location	Distance to Site	Visibility
67	Montgomery Drive near #28	2,510 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
68	Clintonville Road near Pistapaug Road	1,580 ft	Year Round

PHOTO LOG

Figure B34

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

HOMELAND TOWERS

Existing View

Photo	Location	Distance to Site	Visibility
69	Clintonville Road near Pistapaug Road	1,440 ft	Seasonal

Existing View

Photo	Location	Distance to Site	Visibility
70	Woodhouse Avenue at Pistapaug Road	950 ft	Not Visible

PHOTO LOG

Figure B35

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

HOMELAND TOWERS

Existing View

Photo	Location	Distance to Site	Visibility
71	Pistapaug Road near #34	700 ft	Seasonal

Existing View

Photo	Location	Distance to Site	Visibility
72	Pistapaug Road near #42	520 ft	Seasonal

PHOTO LOG

Figure B36

SARATOGA ASSOCIATES

HOMELAND TOWERS

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

Existing View

Photo	Location	Distance to Site	Visibility
73	Pistapaug Road near #67	640 ft	Seasonal

Existing View

Photo	Location	Distance to Site	Visibility
74	Pistapaug Road near #75	720 ft	Not Visible

PHOTO LOG

Figure B37

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

HOMELAND TOWERS

Existing View

Photo	Location	Distance to Site	Visibility
75	Pistapaug Road near #77	860 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
76	Glen Meadow Road at Woodhouse Avenue	1,340 ft	Seasonal

Existing View

Photo	Location	Distance to Site	Visibility
77	Glen Meadow Road near #37	1,280 ft	Seasonal

Existing View

Photo	Location	Distance to Site	Visibility
78	Glen Meadow Road near #41	1,360 ft	Seasonal

PHOTO LOG

Figure B39

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

HOMELAND TOWERS

Existing View

Photo	Location	Distance to Site	Visibility
79	Glen Meadow Road at near #47	1,450 ft	Seasonal

Existing View

Photo	Location	Distance to Site	Visibility
80	Glen Meadow Road near #93	2,480 ft	Not Visible

PHOTO LOG

Figure B40

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

HOMELAND TOWERS

Existing View

Photo	Location	Distance to Site	Visibility
81	Glen Meadow Road at Conifer Drive	3,360 ft	Not Visible

Existing View

Photo	Location	Distance to Site	Visibility
82	Birchwood Drive near #187	3,060 ft	Not Visible

PHOTO LOG

Figure B41

Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

HOMELAND TOWERS

Existing View

Photo	Location	Distance to Site	Visibility
83	Village Street near #535	4,030 ft	Seasonal

APPENDIX C
Photo Simulations

Photo 14 - Northford Center Historic District - Old Post Road Near ACES
EXISTING CONDITION

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 18 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 46.1134" N
Time:	10:19 AM		72° 47' 26.6450" W
Focal Length:	50 mm	Distance to Tower:	680 Feet
Camera:	Canon EOS 6D MarkII		

HOMELAND TOWERS

Figure 31
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

Photo 14 – Northford Center Historic District - Old Post Road Near ACES
PROPOSED CONDITION – BROWN MONOPOLE 110' ±

Figure 15
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 18 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 46.1134" N
Time:	10:19 AM		72° 47' 26.6450" W
Focal Length:	50 mm	Distance to Tower:	680 Feet
Camera:	Canon EOS 6D MarkII		

HOMELAND TOWERS

Photo 14 - Northford Center Historic District - Old Post Road Near ACES
PROPOSED CONDITION - ALTERNATIVE MONOPINE TREE

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 16 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 46.1134" N
Time:	10:19 AM		72° 47' 26.64 30" W
Focal Length:	50 mm	Distance to Tower:	680 Feet
Camera:	Canon EOS 6D MarkII		

HOMELAND TOWERS

Figure B2
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

Photo 20 - Northford Center Historic District - Middletown Road at Northford Square
EXISTING CONDITION

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 18 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 38.7060" N
Time:	10:51 AM		72° 47' 26.0736" W
Focal Length:	50 mm	Distance to Tower:	990 Feet
Camera:	Canon EOS 6D MarkII		

HOMELAND TOWERS

Figure 14
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

Photo 20 - Northford Center Historic District - Middletown Road at Northford Square
PROPOSED CONDITION - BROWN MONOPOLE 110' ±

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. In order to appear at the correct scale this page is intended to be viewed approximately 18 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 38.7090" N
Time:	10:51 AM		72° 47' 26.0736" W
Focal Length:	50 mm	Distance to Tower:	990 Feet
Camera:	Canon EOS 6D MarkII		

HOMELAND TOWERS

Figure: B5
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

Photo 20 - Northford Center Historic Distrct - Middletown Road at Northford Square
PROPOSED CONDITION - ALTERNATIVE MONOPINE - TIER I

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 16 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 38.7060" N
Time:	10:51 AM		72° 47' 26.0530" W
Focal Length:	50 mm	Distance to Tower:	990 Feet
Camera:	Canon EOS 6D Mark II		

HOMELAND TOWERS

Figure 35
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

Photo 24 - Northford Center Historic District - Middletown Road #1446
EXISTING CONDITION

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 16 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 13.8737" N
Time:	10:41 AM		72° 47' 16.8539" W
Focal Length:	50 mm	Distance to Tower:	1,270 Feet
Camera:	Canon EOS 6D MarkII		

HOMELAND TOWERS

Figure 37
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

Photo 24 – Northford Center Historic District – Middletown Road #1446
PROPOSED CONDITION – BROWN MONOPOLE 110FT

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 18 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 43.82" N 72° 47' 18.81" W
Time:	10:41 AM		
Focal Length:	50 mm	Distance to Tower:	1,270 Feet
Camera:	Canon EOS 6D Mark II		

HOMELAND TOWERS

Figure 24
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

Photo 24 - Northford Center Historic District - Middletown Road #1446
PROPOSED CONDITION - ALTERNATIVE MONOPINE TREE

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 18 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 43.873" N
Time:	10:43 AM		72° 47' 16.873" W
Focal Length:	50 mm	Distance to Tower:	1,270 Feet
Camera:	Canon EOS 6D MarkII		

HOMELAND TOWERS

Figure 18
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

Photo 58 - Forest Road near #809
EXISTING CONDITION

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 18 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 20.9596" N
Time:	11:23 AM		72° 47' 33.4532" W
Focal Length:	50 mm	Distance to Tower:	2,480 Feet
Camera:	Canon EOS 6D MarkII		

HOMELAND TOWERS

Figure B10
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

Photo 38 - Forest Road near #809
PROPOSED CONDITION - BROWN MONOPOLE - TIGHT

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 18 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 20.9756" N
Time:	11:23 AM		72° 47' 33.4942" W
Focal Length:	50 mm	Distance to Tower:	2,480 Feet
Camera:	Canon EOS 6D Mark II		

HOMELAND TOWERS

Figure B-1
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
North Branford, CT 06472

Photo 58 - Forest Road near #809
PROPOSED CONDITION - ALTERNATIVE MONOPINE TREE

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 10 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 20.9796" N
Time:	11:23 AM		72° 47' 33.4942" W
Focal Length:	50 mm	Distance to Tower:	2,480 Feet
Camera:	Canon EOS 6D MarkII		

HOMELAND TOWERS

Figure 17.2
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

Photo 65 – Clintonville Road near #250
EXISTING CONDITION

Figure 6f3
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 18 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 40.2575" N
Time:	11:39 AM		72° 47' 20.0884" W
Focal Length:	50 mm	Distance to Tower:	630 Feet
Camera:	Canon EOS 6D MarkII		

HOMELAND TOWERS

Photo 65 - Clintonville Road near #250
PROPOSED CONDITION - BROWN MONOPOLE 110FT

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 18 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 40.25"6" N
Time:	11:39 AM		72° 47' 40.0884" W
Focal Length:	50 mm	Distance to Tower:	630 Feet
Camera:	Canon EOS 6D MarkII		

HOMELAND TOWERS

Figure 8A4
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

Photo 65 - Clintonville Road near #250
PROPOSED CONDITION - ALTERNATIVE MONOPINE TOWER

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 18 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 40.25.36" N
Time:	11:59 AM		72° 47' 40.0884" W
Focal Length:	50 mm	Distance to Tower:	630 Feet
Camera:	Canon EOS 6D MarkII		

HOMELAND TOWERS

Figure 6/5
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

Photo 68 – Clintonville Road near Pestapaug Road
EXISTING CONDITION

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 18 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 44.1753" N
Time:	11:49 AM		72° 47' 55.9857" W
Focal Length:	50 mm	Distance to Tower:	1,580 Feet
Camera:	Canon EOS 6D Mark II		

HOMELAND TOWERS

Figure B-5
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

Photo 58 - Clintonville Road near Pettipaug Road
PROPOSED CONDITION - BROWN MONOPOLE - 105FT

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 18 inches from the reader's eye when printed on 11"x17" paper.

Photograph nformation

Date:	February 24, 2021	Photo Location:	41° 23' 44.1763" N
Time:	11:49 AM		72° 47' 55.9857" W
Focal Leng h:	50 mm	Distance to Tower:	1,580 Feet
Camera:	Canon EOS 6D MarkII		

HOMELAND TOWERS

Figure 3-17
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

Photo 68 - Clintonville Road near Pistapaug Road
PROPOSED CONDITION - ALTERNATIVE MONOPINE "TOT"

Figure 6B
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 18 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 44.1763" N
Time:	11:49 AM		72° 47' 55.9857" W
Focal Length:	50 mm	Distance to Tower:	1,580 Feet
Camera:	Canon EOS 6D Mark II		

HOMELAND TOWERS

Photo 13 - Pistapaug Road near #67
EXISTING CONDITION

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 18 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 51.5256" N
Time:	9:37 AM		72° 47' 43.59" W
Focal Length:	50 mm	Distance to Tower:	640 Feet
Camera:	Canon EOS 6D MarkII		

HOMELAND TOWERS

Figure B13
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

Photo 13 - Pistapaug Road (spot #67)
PROPOSED CONDITION - BROWN MONOPOLE TYPE I

Figure B29
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-02')
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 18 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information			
Date:	February 24, 2021	Photo Location:	41° 23' 51.5226" N 72° 47' 33.5940" W
Time:	9:57 AM		
Focal Length:	50 mm	Distance to Tower:	660 Feet
Camera:	Canon EOS 6D MarkII		

HOMELAND TOWERS

Photo 33 - Pistapaug Road near #67
PROPOSED CONDITION - ALTERNATIVE MONOPINE - TIER 1

Figure 16a
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 18 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 51.5256" N
Time:	9:37 AM		72° 47' 33.5940" W
Focal Length:	50 mm	Distance to Tower:	640 Feet
Camera:	Canon EOS 6D MarkII		

HOMELAND TOWERS

Photo 76 - Glen Meadow Road at Woodhouse Avenue
EXISTING CONDITION

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 16 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 52.7208" N
Time:	12:14 PM		72° 47' 50.1936" W
Focal Length:	50 mm	Distance to Tower:	1,340 Feet
Camera:	Canon EOS 6D MarkII		

HOMELAND TOWERS

Figure 122
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Chidgeville Road
Northford, CT 06472

Photo 76 - Glen Meadow Road at Woodhouse Avenue
PROPOSED CONDITION - BROWN MONOPOLE - 110FT

Figure B29
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal lenght lens. To appear at the correct scale this page is intended to be viewed approximately 18 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 52.7203" N 72° 47' 50.1935" W
Time:	12:14 PM		
Focal Length:	50 mm	Distance to Tower:	1,340 Feet
Camera	Canon EOS 6D Mark II		

HOMELAND TOWERS

Photo 76 - Glen Meadow Road at Woodhouse Avenue
PROPOSED CONDITION - ALTERNATIVE MONOPINE 110' ±

Figure 82A
PHOTO SIMULATIONS
Visual Resource Assessment
North Branford (CT-021)
Wireless Telecommunications Facility
222 Clintonville Road
Northford, CT 06472

SARATOGA ASSOCIATES

This photograph was taken using a 50mm normal angle lens. To appear at the correct scale this page is intended to be viewed approximately 18 inches from the reader's eye when printed on 11"x17" paper.

Photograph Information

Date:	February 24, 2021	Photo Location:	41° 23' 52.7208" N
Time:	12:14 PM		72° 47' 50.1953" W
Focal Length:	50 mm	Distance to Tower:	1,340 Feet
Camera:	Canon EOS 6D MarkII		

HOMELAND TOWERS

ATTACHMENT 3

Site Name: ***NORTHFORD 2 CT (0002)***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	602	2409	96	0.0094	0.5007	1.88%
VZW Cellular	874	4	616	2465	96	0.0096	0.5827	1.65%
VZW PCS	1975	4	1412	5648	96	0.0220	1.0000	2.20%
VZW AWS	2120	4	1478	5914	96	0.0231	1.0000	2.31%
VZW CBRS	3560.3	4	42	168	98.5	0.0006	1.0000	0.06%
VZW CBAND	3730.08	4	6531	26125	95.5	0.1030	1.0000	10.30%

Total Percentage of Maximum Permissible Exposure 18.40%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

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

Absolute worst case maximum values used.

ATTACHMENT 4

HOMELAND TOWERS

Site Search Summary

In general, a "site search area" is developed to initiate a site selection process in an area where a coverage need has been identified. The site search area is a general location where the installation of a wireless facility would address an identified wireless service problem while still allowing for orderly integration of the site into a network such as Verizon's. In any site search area, the Applicants seek to avoid the unnecessary proliferation of towers and to reduce the potential adverse environmental effects of a needed facility, while at the same time ensuring the quality of service provided by the site to users of its network.

The candidate identification process includes reviewing parcels within a search area. Viable candidates consist of existing structures of sufficient height from which an antenna installation may be capable of providing sufficient coverage, or lacking such a structure, parcels located within the narrowly defined search area upon which a tower may be constructed. In order to be viable, a candidate must provide adequate coverage to the significant gap in Verizon's network. In addition, all viable candidates must have a willing landowner with whom commercially reasonable lease terms may be negotiated. In the case of this particular site search area in Northford, no tall, non-tower structures were found to be viable. The area is a mix of farm land, forest, and residential and commercial properties all with challenging topography.

As noted below, Homeland Towers, LLC and Verizon investigated a number of different parcels of land and structures in the area near the proposed facility in North Branford. The Applicants found these sites to be adequate and available for the siting of a wireless facility or, for the reasons cited below, unavailable or inappropriate for the siting of a facility or technically inadequate to satisfy Verizon's wireless service objectives in the area.

Properties Investigated by Homeland Towers and Verizon Wireless

Homeland Towers and Verizon Wireless identified and investigated thirty-one (31) sites in and around the Northford site search. Descriptions of the sites that were investigated are set forth below along with a map depicting the approximate location of these sites.

1. **222 Clintonville Road, Northford, CT**
   Parcel ID: 67 D6
   Owner: Gail and Michael Monaco
   Zoning District: R-40
   Parcel Size: 7.86 acres
   Lat/Long: 41°23'45.2834"N/72°47'35.4194"W
   Ground Elevation: 272.3' +/- AMSL
   This property is the Candidate Site where the tower is proposed.

2. **5 Ardsley Avenue, Northford, CT**
   Parcel ID: 62B 35
   Owner: 5 Ardsley Avenue LLC
   Zoning District: B-2 Central Business
   Parcel Size: 1.5 acres
   Lat/Long: 41°23'29.71"N/ 72°47'26.17"W
   Ground Elevation: 143' +/- AMSL
   Owner responded to Homeland with potential interest after receiving a proposal. Upon walking site with the owner, it was determined that there are extensive wetlands on the parcel. In addition, a wireless facility sited on this parcel would have a direct visual impact to the Historic District.

3. **855 Forest Road, Northford, CT**
   Parcel ID: 62B 37
   Owner: Northford Plaza Realty
   Zoning District: B-2 Central Business
   Parcel Size: 2.08 acres
   Lat/Long: 41°23'28.10"N/72°47'27.67"W
   Ground Elevation: 144' +/- AMSL
   Owner responded to Homeland with potential interest after receiving a proposal. Upon walking site with the owner, it was determined that there are extensive wetlands on the parcel. In addition, a wireless facility sited on this parcel would have a direct visual impact to the Historic District.

4. **847 Forest Road, Northford, CT**
   Parcel ID: 62A 38
   Owner: Steroco Inc.
   Zoning District: B-2 Central Business
   Parcel Size: 2.26 acres
   Lat/Long: 41°23'26.32"N/ 72°47'29.67"W
   Ground Elevation: 141' +/- AMSL
   The owner did not respond to proposals sent to them by certified mail from Homeland Towers.

5. **841 Forest Road, Northford, CT**
   Parcel ID: 62C 39
   Owner: Amy Clarke and Walter Spear
   Zoning District: B-2 Central Business & R-40
   Parcel Size: 25.97 acres
   Lat/Long: 41°23'20.18"N/ 72°47'27.39"W
   Ground Elevation: 116'+/- AMSL
   The owner did not respond to proposals sent to them by certified mail from Homeland Towers.

6. **Mansfield Drive, Northford, CT**
   Parcel ID: 62B 29A
   Owner: Town of North Branford
   Zoning District: R-40
   Parcel Size: 4.3 acres
   Lat/Long: 41°23'34.21"N/72°47'15.64"W
   Ground Elevation: 110'+/- AMSL
   After meetings and many discussions with North Branford town officials, the Town decided to not enter into a lease with Homeland Towers on any of the Town owned properties.

7. **26 Mansfield Drive, Northford CT**
   Parcel ID: 62B 29C
   Owner: Totoket Woods
   Zoning District: B-3 Local Business
   Parcel Size: 3.19 acres
   Lat/Long: 41°23'35.72"N/72°47'11.94"W
   Ground Elevation: 112' +/- AMSL
   The owner did not respond to proposals sent to them by certified mail from Homeland Towers.

8. **30 Mansfield Drive, Northford, CT**
   Parcel ID: 62B 29
   Owner: Totoket Woods Realty Co
   Zoning District: R-40P Planned Residential
   Parcel Size: 19.17 acres
   Lat/Long: 41°23'34.41"N/ 72°47'1.56"W
   Ground Elevation: 174' +/- AMSL
   The owner did not respond to proposals sent to them by certified mail from Homeland Towers.

9. **259 Clintonville Road, Northford, CT**
   Parcel ID: 67D 2-4
   Owner: Town of North Branford
   Zoning District: R-80
   Parcel Size: 3.4 acres
   Lat/Long: 41°23'41.02"N/ 72°47'52.44"W
   Ground Elevation: 214' +/- AMSL
   After meetings and many discussions with North Branford town officials, the Town decided to not enter into a lease with Homeland Towers on any of the Town owned properties.

10. **1332 Middletown Avenue, Northford, CT**
    Parcel ID: 62A 19
    Owner: Town of North Branford
    Zoning District: R-80
    Parcel Size: 21.86 acres
    Lat/Long: 41°23'24.53"N/ 72°47'52.37"W
    Ground Elevation: 205' +/- AMSL
    After meetings and many discussions with North Branford town officials, the Town decided to not enter into a lease with Homeland Towers on any of the Town owned properties.

11. **1388 Middletown Avenue, Northford, CT**
    Parcel ID: 62A 22
    Owner: Town of North Branford
    Zoning District: R-80
    Parcel Size: 25.16 acres
    Lat/Long: 41°23'32.29"N/ 72°47'56.61"W
    Ground Elevation: 247' +/- AMSL
    After meetings and many discussions with North Branford town officials, the Town decided to not enter into a lease with Homeland Towers on any of the Town owned properties.

12. **1351 Middletown Avenue, Northford, CT**
Parcel ID: 62A 9-1
Owner: Town of North Branford
Zoning District: R-40
Parcel Size: 1.03 acres
Lat/Long: 41°23'22.69"N/ 72°47'37.00"W
Ground Elevation: 160' +/- AMSL
After meetings and many discussions with North Branford town officials, the Town decided to not enter into a lease with Homeland Towers on any of the Town owned properties.

13. **105 North Street, Northford, CT**
Parcel ID: 38 1
Owner: South Central Connecticut Regional Water Authority
Zoning District: Water Supply District and R-80
Parcel Size: 4,628 acres
Lat/Long: 41°23'34.15"N/72°46'42.03"W
Ground Elevation: 280' +/- AMSL
The owner did not respond to proposals sent to them by certified mail from Homeland Towers. Property is deemed Class 1 and Class II Water Shed property with restrictions and prohibits use, site was also rejected by Verizon Radio Frequency engineer.

14. **1452 Middletown Avenue, Northford, CT**
Parcel ID: 67C 67-3
Owner: William and Kenneth Neubig
Zoning District: R-40
Parcel Size: 1.93 acres
Lat/Long: 41°23'48.74"N/ 72°47'16.86"W
Ground Elevation: 202' +/-
The owner responded to Homeland and expressed potential interest after receiving a proposal. This parcel was reviewed by the Verizon Radio Frequency Engineer and was rejected as the ground elevation is too low and it did not provide adequate coverage to the intended area. In addition, this site is located within the Historic District.

15. **1447 Middletown Avenue, Northford, CT**
Parcel ID: 67C 83
Owner: Vivian Cuomo
Zoning District: B-2
Parcel Size: 2.39 acres
Lat/Long: 41°23'41.71"N/ 72°47'18.55"W
Ground Elevation: 154' +/- AMSL
The owner did not respond to proposals sent to them by certified mail from Homeland Towers.

16. **261 Clintonville Road, Northford, CT**
Parcel ID: 67D 2
Owner: Rene and Arthur Hausman
Zoning District: R-80
Parcel Size: 5.93 acres
Lat/Long: 41°23'41.75"N/ 72°47'46.55"W
Ground Elevation: 216' +/- AMSL
The owner did not respond to proposals sent to them by certified mail from Homeland Towers.

17. **140 Old Post Road, Northford, CT**
Parcel ID: 67A 24
Owner: The Gentile Domenico Family LLC
Zoning District: R-40
Parcel Size: 16.89 acres
Lat/Long: 41°24'7.00"N/72°47'36.67"W
Ground Elevation: 252' +/- AMSL
The owner responded to Homeland after receiving a proposal. This parcel is outside Verizon's search area. In addition, this parcel is approximately 800' away from 80 Old Post Road where in 2004 the Connecticut Siting Council had rejected a previously proposed 150' tower (Docket No. 269) due to visual impact to the surrounding homes.

18. **Middletown Avenue Rear, Northford, CT**
Parcel ID: 62D 18-1
Owner: Peter B Maxson
Zoning District: R-40
Parcel Size: 3.38 acres
Lat/Long: 41°23'19.04"N/72°47'51.03"W
Ground Elevation: 153' +/- AMSL
The owner did not respond to proposals sent to them by certified mail from Homeland Towers.

19. **90 Foot Hill Road, Northford, CT**
Parcel ID: 62D 16
Owner: Catherine Smith and Peter B Maxson
Zoning District: R-40
Parcel Size: 4 acres
Lat/Long: 41°23'20.25"N/72°47'54.23"W
Ground Elevation: 233' +/- AMSL
The owner did not respond to proposals sent to them by certified mail from Homeland Towers.

20. **246 Clintonville Road, Northford, CT**
Parcel ID: 67D 7-1
Owner: Janet J Petry and Paul Bellacicco
Zoning District: R-40
Parcel Size: 1.62 acres
Lat/Long: 41°23'42.94"N/72°47'38.37"W
Ground Elevation: 245' +/- AMSL
The owner responded to Homeland with interest after receiving a proposal. This parcel may be considered as a back up to the primary candidate, however a taller facility would be required due to lower ground elevation at this location. In addition, there is minimal screening on this smaller parcel creating the potential for visual impact to the Historic District.

21. **250 Clintonville Road, Northford, CT**
Parcel ID: 67D 7
Owner: Henry Petry
Zoning District: R-40
Parcel Size: 4.49 acres
Lat/Long: 41°23'42.01"N/ 72°47'33.92"W
Ground Elevation: 240' +/- AMSL
The owner responded to Homeland after receiving a proposal and stated they were not interested.

22. **26 Old Post Road, Northford, CT**
Parcel ID: 67D 9
Owner: Area Cooperative Educational
Zoning District: B-3 Local Business
Parcel Size: 5.12 acres
Lat/Long: 41°23'46.95"N/ 72°47'31.32"W
Ground Elevation: 230' +/- AMSL
The owner did not respond to proposals sent to them by certified and regular mail from Homeland Towers. This site is also located within the Historic District.

23. **Woodhouse Avenue, Northford, CT**
Parcel ID: 64C 17
Owner: Town of North Branford
Zoning District: R-80
Parcel Size: 9.52 acres
Lat/Long: 41°23'53.79"N/72°47'57.82"W
Ground Elevation: 183' +/- AMSL
After meetings and many discussions with North Branford town officials, the Town decided to not enter into a lease with Homeland Towers on any of the Town owned properties.

24. **1370 Middletown Avenue, Northford, CT**
Parcel ID: 62A 20
Owner: Northford Volunteer Fire Department
Zoning District: R-80
Parcel Size: 1.88 acres
Lat/Long: 41°23'29.13"N/ 72°47'36.80"W
Ground Elevation: 154' +/- AMSL
This parcel was reviewed by the Verizon Radio Frequency Engineer and was rejected as the ground elevation is too low and it did not provide adequate coverage to the intended area.

25. **153 Old Post Road, Northford, CT**
Parcel ID: 67B 51-1
Owner: Nelson Thomas Cecarelli ET al
Zoning District: R-40
Parcel Size: 24.34 acres
Lat/Long: 41°24'6.70"N/ 72°47'14.37"W
Ground Elevation: 295' +/- AMSL
This parcel is outside Verizon's search area. In addition, this site has deed restrictions preventing any development on the parcel.

26. **1453 Middletown Ave, Northford, CT**
Parcel ID: 67C 82
Owner: South Central Connecticut Regional Water Authority
Zoning District: B-2
Parcel Size: 34.14 acres
Lat/Long: 41°23'43.63"N/ 72°47'5.60"W
Ground Elevation: 143' +/- AMSL
The owner did not respond to proposals sent to them by certified mail from Homeland Towers. The parcel has extensive wetlands and is deemed Class 1 and Class II Water Shed property with restrictions and prohibits use. This parcel is also outside of Verizon's Search Area.

27. **60 Foot Hill Road, Northford, CT**
Parcel ID: 61A 33
Owner: Muhammad Chater
Zoning District: R-40
Parcel Size: 4 acres
Lat/Long: 41°23'24.96"N/ 72°47'59.51"W
Ground Elevation: 266' +/- AMSL
The owner initially responded to Homeland after receiving a proposal. The owner did not respond with interest from follow up certified letters and calls.

28. **1409 Middletown Ave, Northford, CT**
Parcel ID: 62B 31
Owner: Reeds Gap Rental Company LLC
Zoning District: B-2
Parcel Size: 1.16 acres
Lat/Long: 41°23'35.54"N/ 72°47'25.02"W
Ground Elevation: 147' +/- AMSL
This site is in the heart of the Northford Village Historic District. Site was proposed by another tower developer and not pursued by Verizon due to visual impact to the Historic District and SHPO not approving this site.

29. **1382 Middletown Avenue, Northford, CT**
Parcel ID: 62A 21
Owner: Saint Andrews Episcopal Church
Zoning District: R-80
Parcel Size: 1.61 acres
Lat/Long: 41°23'31.66"N/72°47'34.09"W
Ground Elevation: 161' +/- AMSL
Verizon Radio Frequency Engineer rejected a stealth steeple installation.

30. **62 Youngs Apple Orchard Road, Wallingford, CT**
Parcel ID: 81 22 A
Owner: Town of Wallingford
Zoning District: R-40
Parcel Size: 2.2 acres
Lat/Long: 41°25'16.21"N/ 72°44'58.09"W
Ground Elevation: 470' +/- AMSL
Existing 125' tall lattice tower, rejected by Verizon Radio Frequency Engineer as this site is located too far outside the search area.

31. **88 Parsonage Hill, Northford, CT**
Parcel ID: 51A 7
Owner: Jean Szwabowski 1/3
Zoning District: R-40
Parcel Size: 9.31 acres
Lat/Long: 41°22'8.82"N/72°48'37.80"W
Ground Elevation: 290' +/- AMSL
Existing 195' lattice tower. Verizon currently installed at 165'. Even with a 50' extension added to this tower it will not provide coverage to the intended area. This site was rejected by Verizon Radio Frequency Engineer.

HOMELAND TOWERS

Zoomed in Aereial of raw land candidates that were reviewed.

HOMELAND TOWERS

Zoomed out aerial of raw land and existing towers that were reviewed