

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:	:	
	:	
APPLICATION OF CELLCO	:	DOCKET NO. 495
PARTNERSHIP D/B/A VERIZON	:	
WIRELESS FOR A CERTIFICATE OF	:	
ENVIRONMENTAL COMPATIBILITY AND	:	
PUBLIC NEED FOR THE CONSTRUCTION,	:	
MAINTENANCE AND OPERATION OF A	:	
WIRELESS TELECOMMUNICATIONS	:	
FACILITY AT 5151 PARK AVENUE IN	:	
FAIRFIELD, CONNECTICUT	:	FEBRUARY 11, 2022

MOTION TO REOPEN THE EVIDENTIARY HEARING AND MODIFY
THE DECISION DUE TO CHANGED CONDITIONS

Pursuant to Conn. Gen. Stat. § 4-181a(b), Cellco Partnership d/b/a Verizon Wireless (“Cellco”) hereby moves to reopen the evidentiary record and modify, based on changed conditions, the Decision and Order, Opinion and Findings of Fact (collectively the “Decision”) of the Connecticut Siting Council (“Council”) in Docket No. 495 to allow for the relocation of the approved telecommunication facility to an alternative location on the Sacred Heart University (“SHU”) Main Campus.

I. Factual Background

On October 15, 2020, Cellco filed an Application with the Council for a Certificate of Environmental Compatibility and Public Need (“Application”) for the construction, maintenance and operation of a wireless telecommunications facility in the northwest corner of the SHU Main Campus (the “Proposed Facility”), a 60.2-acre parcel of land at 5151 Park Avenue in Fairfield (the “Property”). The Proposed Facility, as described in Council Docket No. 495, would consist of a 130-foot monopole telecommunications tower and associated telecommunications

equipment located within a 50' x 50' fenced compound. Vehicular and utility access to the Proposed Facility would extend from Jefferson Street.

The Proposed Facility was designed to replace Cellco's existing wireless facility on the roof of the Pierre Toussaint Residence Hall (formerly the Jewish Home) in the center of the SHU Main Campus. As discussed at length during the Docket No. 495 proceeding, this rooftop license agreement between Message Center Management ("MCM") the rooftop manager, and SHU expired on January 13, 2022. (*See* Docket No. 495 Application Narrative, pp. 6-8; January 21, 2021 Evidentiary Hearing Transcript pp. 58-61).

Prior to the submission of the Application, Cellco hosted a public information meeting ("PIM") to discuss details of the tower proposal. Cellco invited abutting landowners and public officials to the PIM. Following the PIM, Cellco agreed to explore a number of alternative tower locations around the Property including several locations on the SHU Main Campus. With the exception of the tower location described in Docket No. 495, each of the alternative tower locations on the SHU Main Campus were rejected by SHU. Throughout the Docket No. 495 Application review process, neighbors to the north and west of the Proposed Facility voiced their opposition to Cellco, SHU, the Town of Fairfield and the Council. The Council held an evidentiary and public hearing on the Application on January 21, 2021. On April 26, 2021, the Council approved the Application.

Following the Council's approval of the Application, SHU met, on several occasions, with municipal officials and neighbors who live to the north and west of the Proposed Facility. During these meetings, SHU was asked to reconsider its previous decision and allow for the development of the replacement tower at one of the alternative locations in the southerly portion the SHU Mail Campus. After further consideration and consultation with Cellco, it was

determined that an alternate tower site located near the southwest corner of the Pitt Recreation Center (the “Pitt Center”) and south of the SHU football field was acceptable to SHU and Cellco (the “Alternate Facility”).¹ (See Docket No. 495 Application, Attachment 8, Site 2B). As discussed in the Application, a tower of appropriate height at this location would satisfy Cellco’s wireless service objectives at SHU and the surrounding area including portions of the Merritt Parkway.

Cellco now asks the Council to reopen the Docket No. 495 evidentiary proceeding and reconsider and approve the relocation of the Docket No. 495 tower site from the location approved in Docket No. 495, to Alternate Site Location 2B, in the southwest portion of the Property. As discussed in more detail below, this alternative tower location will provide Cellco customers with wireless service comparable to the Proposed Facility, will result in significantly less visual impact to residential areas to the north and west of the Property and will not have a significant adverse environmental effect. Attached hereto as Exhibit 1 is a Site Schematic map showing the southwest portion of the SHU Main Campus, the Docket No. 495 approved tower location, the location of the temporary tower location approved by the Council in Petition No. 1470 and the proposed alternative tower location at the southwest corner of the Pitt Center on the SHU Main Campus.

A. Alternate Facility

The Alternate Facility would be located within an irregularly-shaped facility compound near the southwest corner of the Pitt Center. At this location, Cellco would construct a telecommunications tower, disguised as a decorative bell tower and a 1,245 square foot two-story

¹ As discussed further below, Cellco has confirmed that the alternative tower location described above is also acceptable to AT&T and T-Mobile.

equipment shelter with separate rooms for Cellco, AT&T and T-Mobile wireless equipment. Excess storage space within the shelter would be utilized by SHU.

Cellco will install eight (8) antennas on a triangular antenna platform at a height of 68.5 feet above grade and six (6) antennas at a height of 95 feet above grade, inside the top portion of the three (3) uni-poles that support the bell tower (two antennas inside each unipole). AT&T will install its antennas on a triangular antenna platform at a height of 76.75 feet above grade. Cellco's and AT&T's platform-mounted antennas will be located behind RF transparent screening panels. T-Mobile's antennas would be located inside the three (3) uni-poles supporting the bell tower at a height of 85 feet above grade. A 60-kW diesel-fueled generator will be installed on a concrete pad to the east of the proposed bell tower and will be shared by Cellco, AT&T and T-Mobile. A set of Project Plans for the Alternate Facility are attached as Exhibit 2.

B. Comparable Wireless Service

Cellco submits that the wireless service from the Alternate Facility will be comparable to or better than service from its rooftop facility on Toussaint Hall. Cellco's Toussaint Hall antennas were located at heights of 68.5 feet and 70 feet above grade. The ground elevation at the Alternate Facility and at Toussaint Hall is approximately the same, 295 feet AMSL. Coverage plots showing Cellco's existing Toussaint Hall (Plattsville) coverage (700 MHz) and the existing and proposed (Plattsville Relo) coverage (700 MHz) are included in Exhibit 3.

C. Visual Impacts

As part of the Docket No. 495 Application, Cellco evaluated the visual impact of the Proposed Facility. This visual impact evaluation was repeated for the Alternative Facility in the southwest portion of the SHU Main Campus.

As with any tower site, the visual impact from the proposed alternative tower location

described herein will vary from location to location on the SHU campus and on the surrounding parcels, depending upon factors such as vegetation, topography, the distance of nearby properties from the tower and the location of buildings and roadways in a “sight line” toward the tower. Visual impact of the Alternative Facility would be further reduced due to the proposed use of an alternative tower (bell tower) structure which will blend in with existing improvements on the SHU Main Campus. A Visual Assessment and Photo-Simulations report (the “Visual Report”) prepared by All-Points Technology Corporation (“APT”) for the Alternate Facility is included in Exhibit 4.

According to the Visual Report, the Alternate Facility would be visible from select locations within about 1/2 mile of the structure. Most of the views would be from the SHU Main Campus itself. The new telecommunications bell tower structure would also be visible from locations to the south and west on the Fairchild Wheeler golf course. Isolated view may also be possible from select locations along Park Avenue to the east. It is predicted that year-round visibility of the structure, above the tree canopy comprise approximately 25 acres, less than one percent of the two-mile radius (8,042 acre) study area. Areas where seasonal views (including views through trees in the winter months) would comprise approximately 126 additional acres, approximately 1.57 percent of the 8,042-acre study area.

There are no residences within 1,000 feet of the Alternate Facility location. The closest residence is located at 216 Autumn Ridge Road, approximately 1,250 feet to the southwest west of the Fairchild Wheeler Golf Course. The proposed relocated facility is not located within 250 feet of a school or commercial day care facility.

D. Wetlands Inspection Report

Attached as Exhibit 5 is a revised Wetland Inspection report for the Alternate Facility

location described above. The closest wetland area to the Alternate Facility is approximately 850 feet to the east in a wooded area straddling the property line between the SHU Main Campus and the Fairchild Wheeler Golf Course. Cellco's proposed fiber optic service line will extend underground from Jefferson Street to the Alternate Facility location. This permanent fiber access will extend within approximately 27 feet of Wetland Area 1, as described in the Docket No. 495 Application. Neither wetland area will be impacted by development of the Alternative Facility.

E. USFWS and NDDB Compliance

According to the September 7, 2021 USFWS & NDDB Compliance Status report prepared by APT, one federally-listed threatened species is known to occur in the vicinity of the Property documented as the *Northern Long-Eared Bat* ("NLEB"). For the reasons discussed in the compliance status report, Cellco submits that the proposed new alternative tower locations will not adversely affect the NLEB.

The proposed alternative tower location would also comply with the USFWS recommended guidelines for reducing impacts to migratory birds. Finally, no known areas of State-listed species exist on the most recent DEEP/NDDB maps in the location of the proposed cell site. (See Exhibit 6).

F. Preliminary Historic Resources Determination

According to the November 17, 2021 Preliminary Historic Resources Determination, the Alternative Facility location is located with ½ mile of the Merritt Parkway, a designated National Scenic Byway, listed on the National Register of Historic Places. However, no views of the Alternate Facility are anticipated from the Merritt Parkway. (See Exhibit 7).

G. Non-Ionizing Radio Frequency Radiation

The FCC has adopted standards for exposure to Radio Frequency ("RF") emissions from

telecommunications facilities like those proposed in the Application. To ensure compliance with the applicable standards, Cellco prepared a Cumulative Power Density table for the proposed Alternate Facility, according to the methodology prescribed by the FCC Office of Engineering and Technology Bulletin No. 65, Edition 97-01 (August 1997) (“OET Bulletin 65”). This cumulative calculation is a conservative, worst-case approximation for RF emissions at the closest accessible point to the antennas, in this case the base of the tower, and assumes that all antennas are transmitting simultaneously, on all channels, at full power. Even under these absolute worst-case conditions, the calculations indicate that the maximum permissible exposure level for Cellco’s antennas at the Alternate Facility would be 46.68% of the FCC’s Standard. Actual RF emissions levels from the Proposed Facility would be far below these “worst-case” calculations. A copy of Cellco’s Cumulative Power Density table is included in Exhibit 8.

II. Courtesy Notice

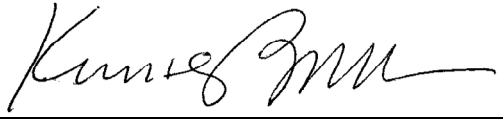
As a courtesy, Cellco sent notice of the filing of this Motion to the owners of property, whose land abuts the main campus at SHU. Copies of the Motion and all exhibits were also sent to First Selectwoman Brenda Kupchick, Town Attorney James Baldwin, Esq. and Michael Larobina, Esq. General Counsel at SHU.

III. Conclusion

Based on the foregoing, Cellco respectfully requests that the Council reopen the evidentiary hearing in Docket No. 495 for the limited purpose of accepting additional evidence, testimony and information regarding an Alternate Facility on the Property.

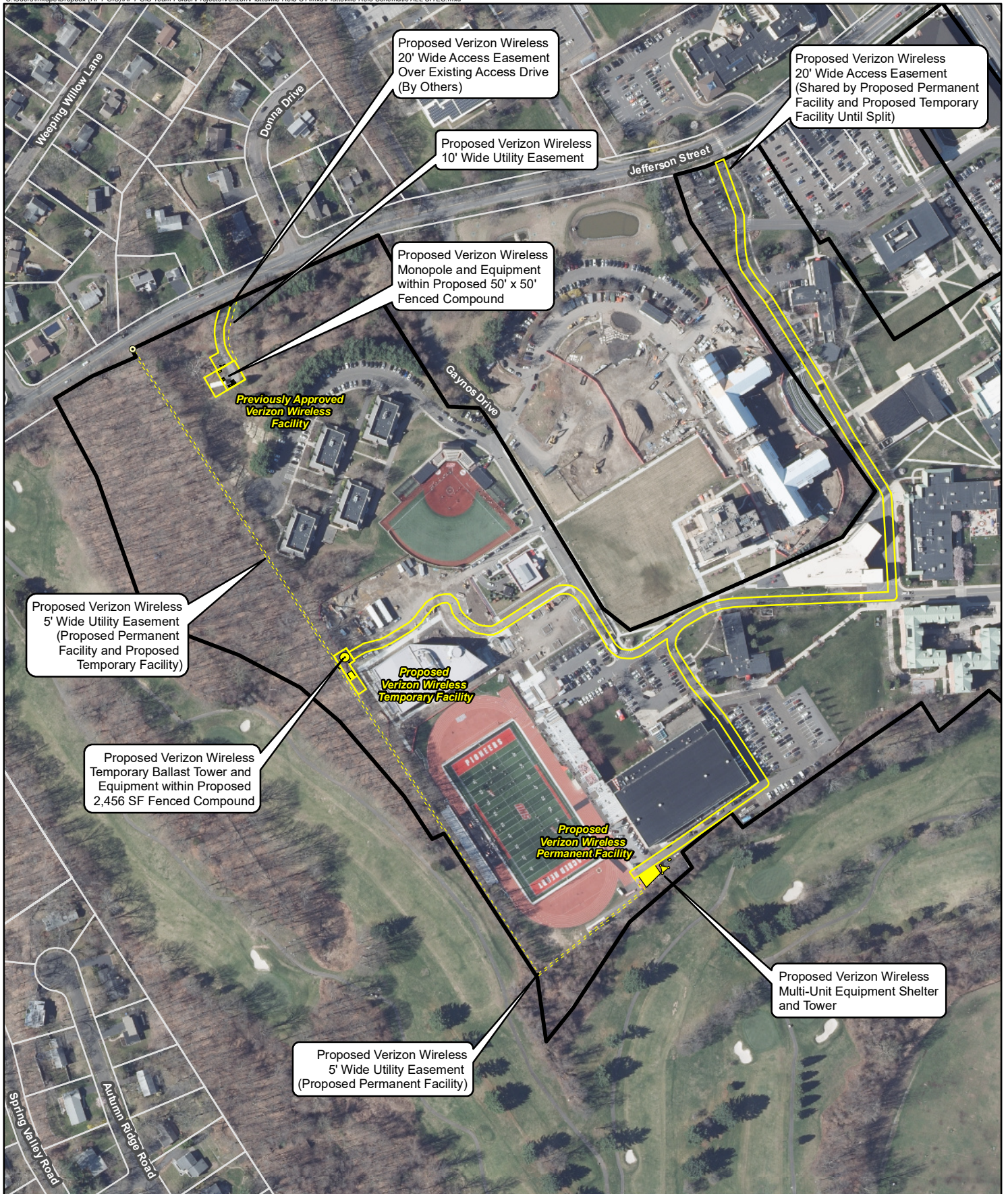
Respectfully submitted,

CELLCO PARTNERSHIP d/b/a VERIZON
WIRELESS

By: _____

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

EXHIBIT 1



Legend

- Proposed Verizon Wireless Site Layout
- Proposed Verizon Wireless Equipment
- Proposed Verizon Wireless Utility Pole
- Subject Property
- Approximate Parcel Boundary

Map Notes:
 Base Map Source: 2019 CT ECO Imagery
 Map Scale: 1 inch = 300 feet
 Map Date: November 2021



Site Schematic

Approved, Proposed, and Temporary
 Wireless Telecommunications Facilities
 Plattsville Relo CT
 5151 Park Avenue
 Fairfield, Connecticut

verizon

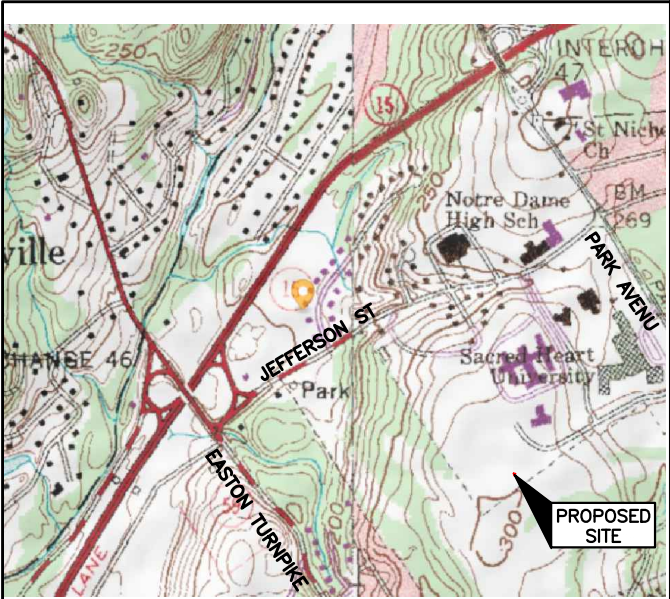


EXHIBIT 2

CELLCO PARTNERSHIP



WIRELESS COMMUNICATIONS FACILITY
PLATTSVILLE RELO CT
5151 PARK AVENUE
FAIRFIELD, CT 06825



VICINITY MAP

DIRECTIONS TO SITE:
FROM VERIZON'S WALLINGFORD CT OFFICE
GET ON CT-15 S FROM ALEXANDER DR, CT-68 W AND US-5 N/N COLONY RD
HEAD SOUTH TOWARD ALEXANDER DR
SLIGHT RIGHT TOWARD ALEXANDER DR
TURN RIGHT TOWARD ALEXANDER DR
TURN RIGHT ONTO ALEXANDER DR
TURN RIGHT ONTO BARNES INDUSTRIAL PARK RD
TURN LEFT AT THE 1ST CROSS STREET ONTO CT-68 W
TURN RIGHT ONTO US-5 N/N COLONY RD
TURN LEFT TO MERGE ONTO CT-15 S TOWARD NEW HAVEN
FOLLOW CT-15 S TO PARK AVE IN TRUMBULL. TAKE EXIT 47 FROM CT-15 S., MERGE ONTO CT-15 S
TAKE EXIT 47 FOR PARK AVE., CONTINUE ON PARK AVE TO YOUR DESTINATION IN FAIRFIELD., AT THE TRAFFIC CIRCLE, TAKE THE 2ND EXIT ONTO PARK AVE CONTINUE STRAIGHT TO STAY ON PARK AVE., TURN RIGHT., DESTINATION WILL BE ON THE RIGHT

CONSULTANT TEAM

PROJECT ENGINEER

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NORTH ANDOVER, MA 01845
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MEP ENGINEER

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PROJECT SUMMARY

SITE NAME: PLATTSVILLE RELO CT
SITE ADDRESS: 5151 PARK AVENUE
FAIRFIELD, CT 06825

PROPERTY OWNER: BRIDGEPORT ROMAN CATHOLIC
DIOCESAN CORP.
238 JEWETT AVENUE
BRIDGEPORT, CT 06606

APPLICANT: CELLCO PARTNERSHIP
d/b/a VERIZON
20 ALEXANDER DRIVE
WALLINGFORD, CT 06108

SITE ACQUISITION CONTACT: BRIAN ROSS
STRUCTURE CONSULTING GROUP
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

LEGAL/REGULATORY COUNSEL: KENNETH C. BALDWIN ESQ.
ROBINSON + COLE LLP
(860)275-8345

LATITUDE: N41°13'08.19"
LONGITUDE: W73°14'41.12"

SCOPE OF WORK INFO.

VERIZON WIRELESS IS PROPOSING TO INSTALL THE FOLLOWING IMPROVEMENTS ON PROPOSED TELECOMMUNICATION SITE:

- NEW 1,245 SQ. FT. MULTIUNIT STORAGE SHELTER ON EXISTING PARCEL OF LAND.
- NEW PANEL ANTENNAS: (4) ANTENNAS EACH AT ALPHA, BETA & GAMMA SECTORS, FOR A SUB-TOTAL OF (12)
(2) ANTENNAS EACH AT DELTA SECTOR, FOR A SUB-TOTAL OF (2)
TOTAL NUMBER OF PROPOSED ANTENNAS ARE (14)
- NEW RRHS: (4) RRHS EACH AT ALPHA, BETA & GAMMA SECTORS, FOR A TOTAL OF (12) RRHS
(2) RRHS EACH AT DELTA SECTOR, FOR A SUB-TOTAL OF (2)
TOTAL NUMBER OF PROPOSED RRHS ARE (14)
- NEW DIPLEXERS: (1) DIPLEXER EACH AT ALPHA, BETA & GAMMA SECTORS, FOR A TOTAL OF (3)
- NEW JUNCTION BOX: (2) JUNCTION BOXES (OVP) TOTAL.

ITEMS LISTED ABOVE TO BE MOUNTED ON PROPOSED BELL TOWER.

- NEW EQUIPMENT CABINETS: (2) CABINETS INSIDE THE EQUIPMENT SHELTER.

ITEMS LISTED ABOVE TO BE INSTALLED WITHIN THE PROPOSED 1,245 SQ. FT. MULTIUNIT STORAGE SHELTER.

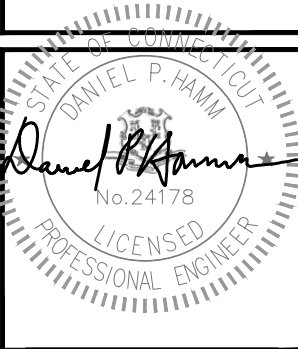
- NEW GENERATOR ON CONCRETE PAD
- NEW POWER AND TELCO SERVICES WILL BE ROUTED UNDERGROUND FROM EXISTING UTILITY POLE TO PROPOSED ELECTRICAL METER AND HOFFMAN BOX ON PROPOSED H-FRAME.
- FINAL UTILITY ROUTING TO BE DETERMINED/VERIFIED BY UTILITY COMPANIES.

SHEET INDEX	
SHT. NO.	DESCRIPTION
T-1	TITLE SHEET
C-1	ABUTTERS PLAN
C-2	PARTIAL SITE PLAN
C-3	PARTIAL SITE PLAN
A-1	COMPOUND PLAN
A-1.1	ELEVATION AND ANTENNA PLAN
A-2	FLOOR PLANS AND ELEVATION
A-3	EROSION CONTROL NOTES AND DETAILS

PREPARED FOR: CELLCO PARTNERSHIP D.B.A.



45 BEECHWOOD DRIVE
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CHECKED BY: JX

APPROVED BY: DPH

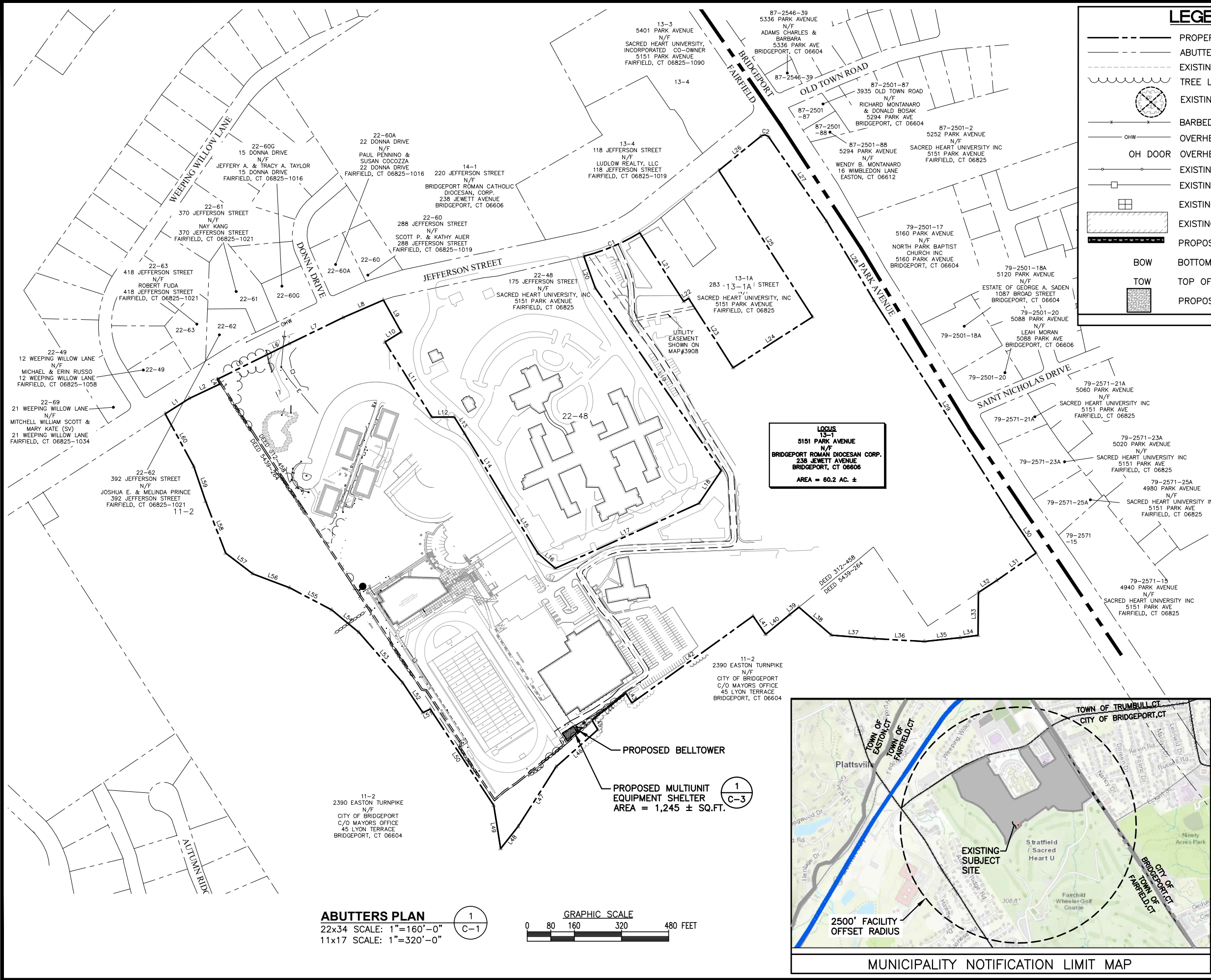
SUBMITTALS			
REV	DATE	DESCRIPTION	BY
1	1/11/22	INCREASE BILLBOARD, + CABLE VAULT	SLY
0	9/27/21	12/30/21 ISSUED FOR CSC FILING	SLY

SITE NAME:
PLATTSVILLE
RELO CT

SITE ADDRESS:
5151 PARK AVENUE
FAIRFIELD, CT 06825

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1



LINE	BEARING	DISTANCE
L1	N57°14'31"E	97.44'
L2	N64°47'21"E	115.12'
L3	N33°20'19"W	2.46'
L4	N30°20'19"W	15.73'
L5	N63°40'01"E	184.50'
L6	N63°40'01"E	88.00'
L7	N64°11'29"E	202.39'
L8	N66°23'56"E	149.94'
L9	S29°12'59"E	124.11'
L10	S58°01'01"W	65.00'
L11	S31°58'59"E	300.00'
L12	N89°37'31"E	76.32'
L13	S31°58'59"E	66.76'
L14	S31°11'49"E	253.20'
L15	S31°49'09"E	223.36'
L16	S49°05'08"E	77.34'
L17	N65°40'11"E	535.52'
L18	N34°07'02"E	134.21'
L19	N34°36'30"W	752.70'
L20	N19°53'59"W	114.56'
L21	S32°38'09"E	276.96'
L22	N57°21'51"E	20.00'
L23	S32°38'09"E	280.00'
L24	N57°21'51"E	320.00'
L25	N32°38'09"W	590.00'
L26	N50°51'49"E	183.29'
L27	S34°27'13"E	345.41'
L28	S30°50'09"E	311.88'
L29	S32°26'49"E	868.94'
L30	S34°08'48"E	149.59'
L31	S55°07'59"W	162.66'
L32	S56°34'51"W	74.63'
L33	S00°25'36"W	145.03'
L34	S82°28'36"W	61.69'
L35	S83°55'24"W	121.37'
L36	N86°43'47"W	168.76'
L37	N85°19'56"W	147.83'
L38	N49°13'35"W	145.54'
L39	S51°09'01"W	41.01'
L40	S50°28'51"W	105.04'
L41	N34°27'56"W	75.48'
L42	S54°22'31"W	506.07'
L43	N32°15'39"W	39.14'
L44	S51°25'51"W	146.23'
L45	S30°53'55"E	38.14'
L46	S48°18'10"W	189.22'
L47	S32°28'36"W	239.95'
L48	S38°26'32"W	95.97'
L49	N09°02'04"W	148.27'
L50	N33°20'19"W	391.69'
L51	S64°17'19"W	28.00'
L52	N33°59'11"W	121.37'
L53	N40°58'49"W	226.85'
L54	N50°23'31"W	119.51'
L55	N62°10'57"W	161.30'
L56	N69°19'53"W	134.29'
L57	N52°43'31"W	116.02'
L58	N21°08'12"W	187.99'
L59	N18°41'07"W	125.50'
L60	N28°36'53"W	202.95'

LEGEND

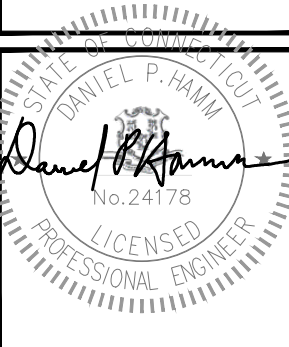
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- TREE LINE
- EXISTING TREE TO BE REMOVED
- BARBED WIRE FENCE REMAINS
- OVERHEAD WIRE (TRANSMISSION LINE)
- OH DOOR
- OVERHEAD DOOR
- EXISTING CHAIN LINK FENCE
- EXISTING IRON FENCE
- EXISTING CATCH BASIN
- EXISTING BUILDING
- PROPOSED RETAINING WALL
- BOW
- TOW
- BOTTOM OF WALL
- TOP OF WALL
- PROPOSED CONCRETE PAD

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APPROVED BY: DPH

SUBMITTALS

REV	DATE	DESCRIPTION	BY
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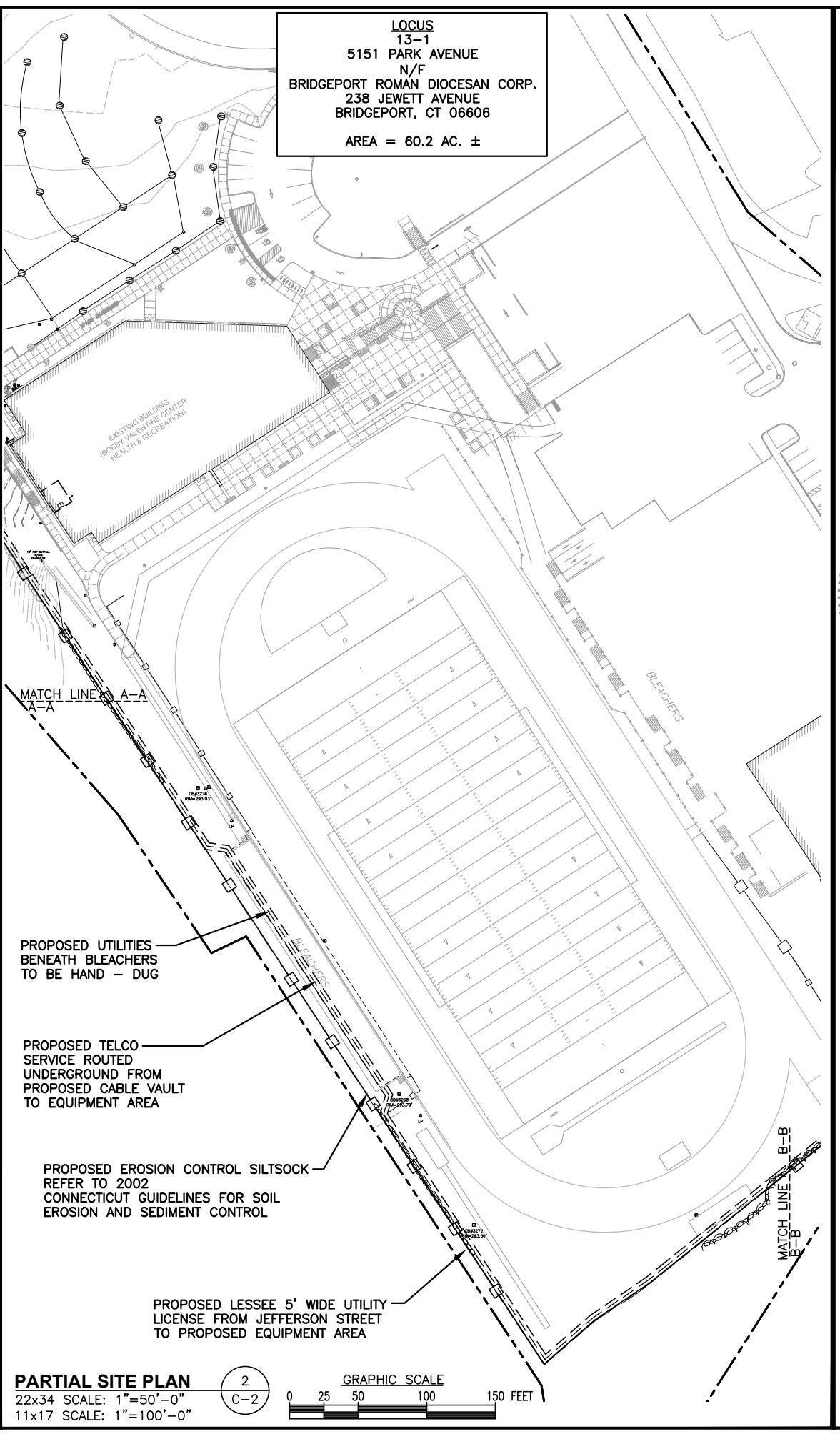
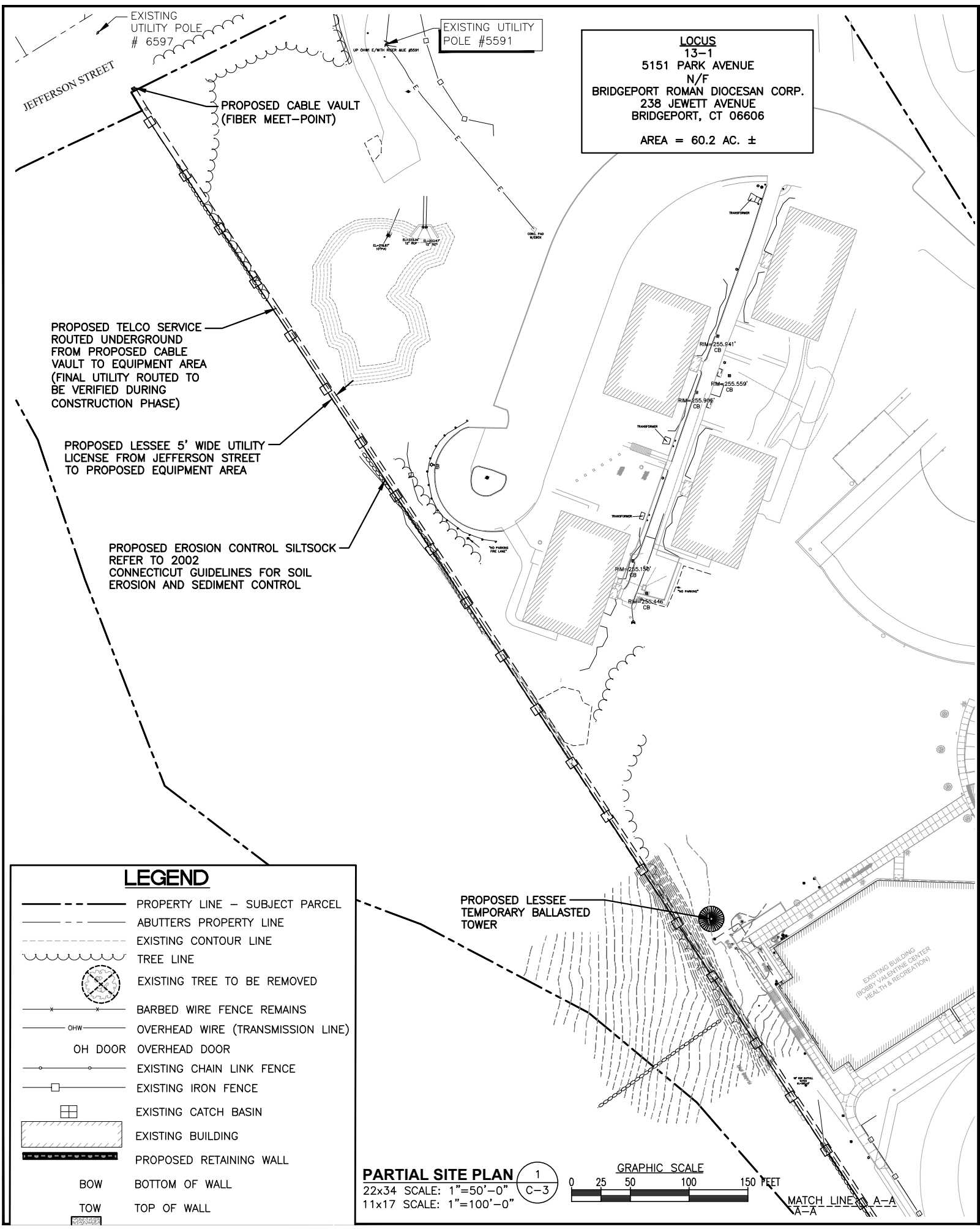
SITE ADDRESS:
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FAIRFIELD, CT 06825

SHEET TITLE

ABUTTERS PLAN

SHEET NUMBER

C-1



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verizon

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STATE OF CONNECTICUT
DANIEL P. HAMM
No. 24178
LICENSED PROFESSIONAL ENGINEER

CHECKED BY: JX

APPROVED BY: DPH

SUBMITTALS

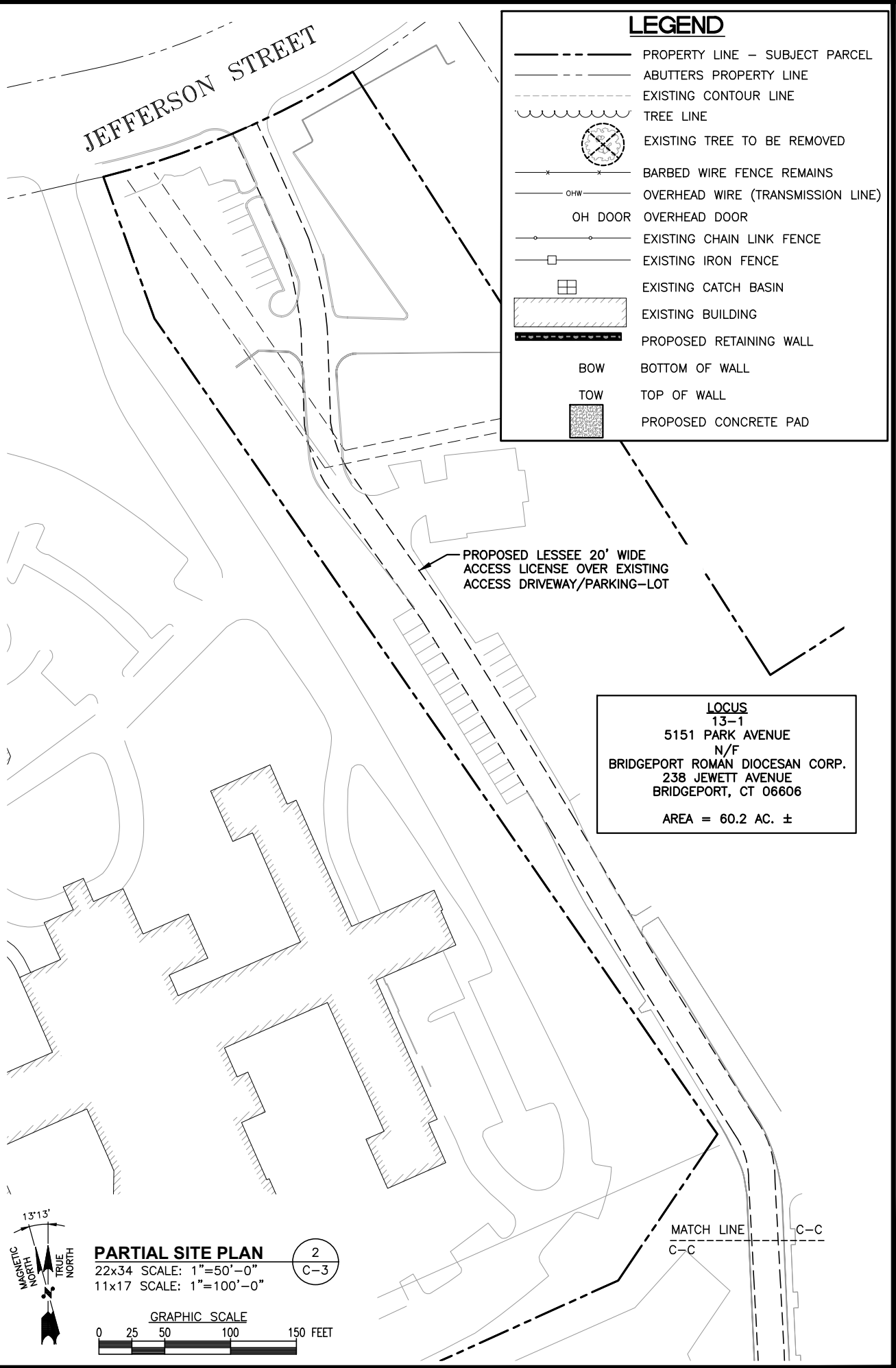
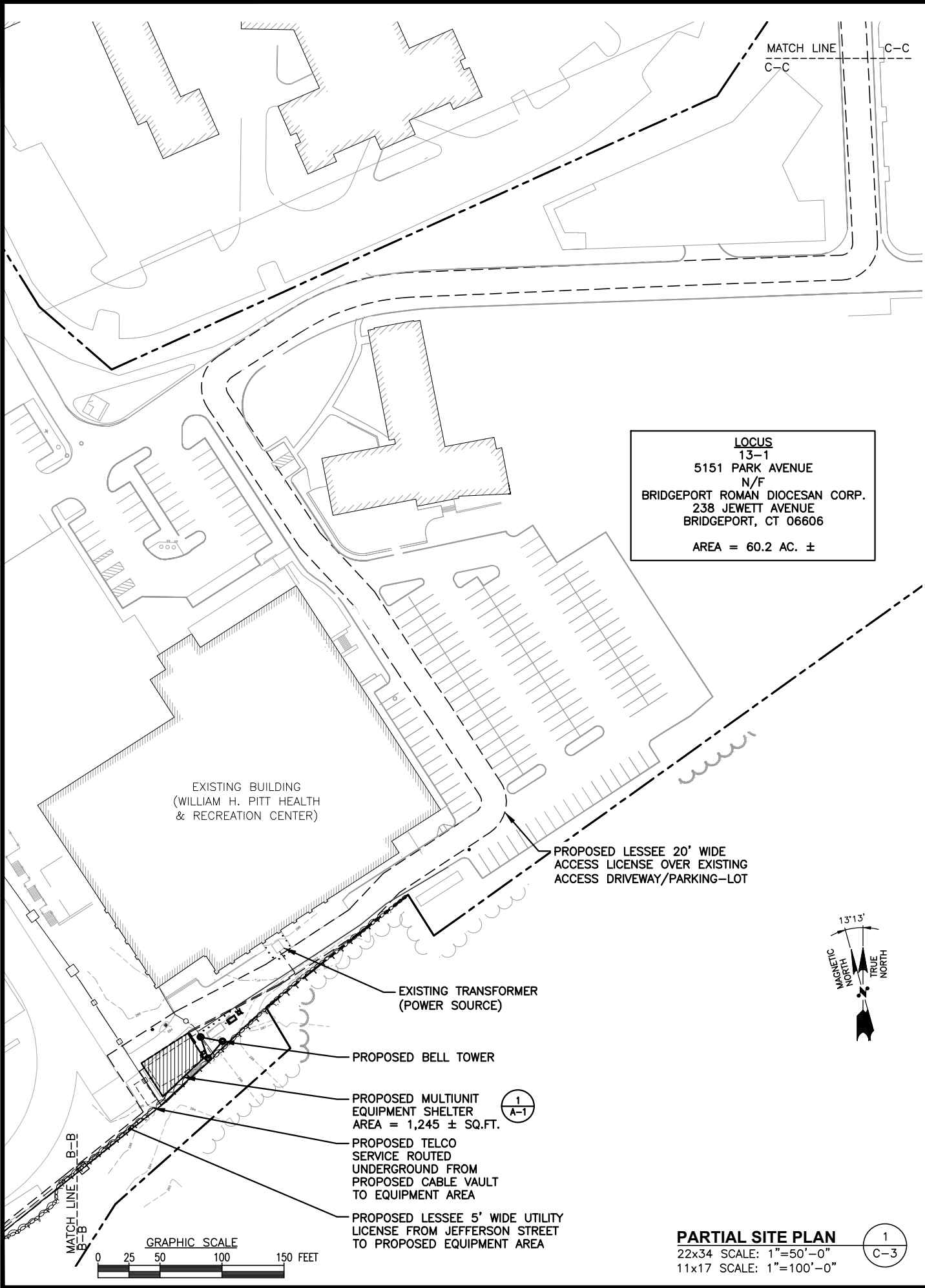
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SITE NAME:
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SITE ADDRESS:
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SHEET TITLE
PARTIAL SITE PLAN

SHEET NUMBER
C-2



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DANIEL P. HAMM
No. 24178
LICENSED PROFESSIONAL ENGINEER

CHECKED BY: JX

APPROVED BY: DPH

SUBMITTALS

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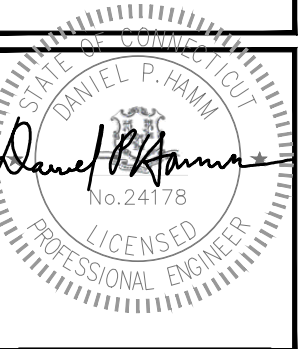
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SHEET TITLE
PARTIAL SITE PLAN

SHEET NUMBER
C-3



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APPROVED BY: DPH

SUBMITTALS

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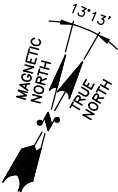
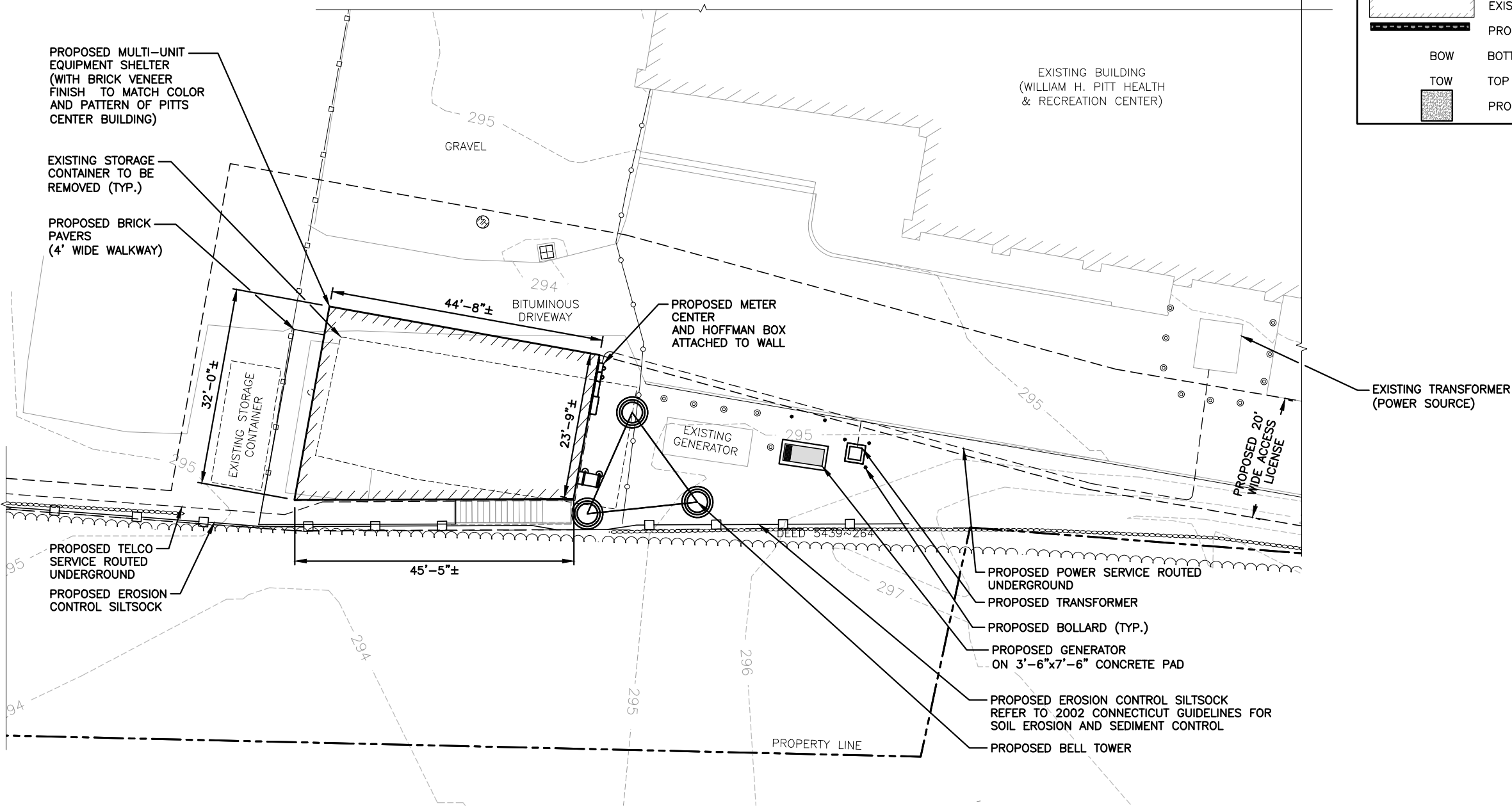
SHEET TITLE
COMPOUND PLAN

SHEET NUMBER

A-1

LEGEND

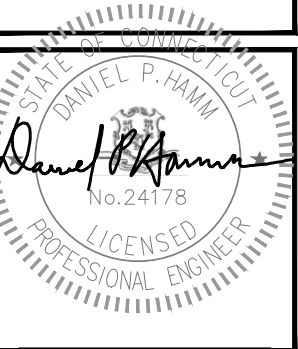
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- EXISTING IRON FENCE
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- EXISTING BUILDING
- PROPOSED RETAINING WALL
- BOW
- BOTTOM OF WALL
- TOW
- TOP OF WALL
- PROPOSED CONCRETE PAD



COMPOUND PLAN
22x34 SCALE: 1"=10'-0"
11x17 SCALE: 1"=20'-0"



GRAPHIC SCALE



CHECKED BY: JX

APPROVED BY: DPH

SUBMITTALS

REV	DATE	DESCRIPTION	BY
1	1/11/22	INCREASE BILLBOARD, + CABLE VAULT	SLY
0	9/27/21	12/30/21 ISSUED FOR CSC FILING	SLY

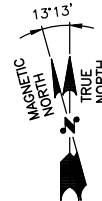
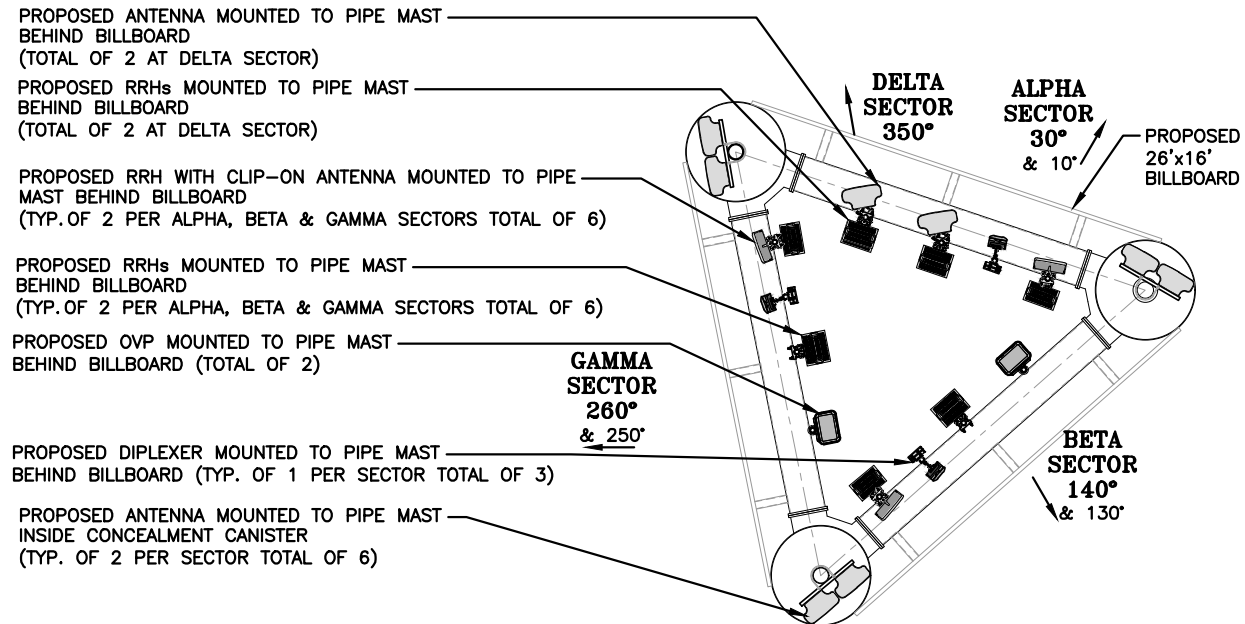
SITE NAME:
**PLATTSVILLE
RELO CT**

SITE ADDRESS:
5151 PARK AVENUE
FAIRFIELD, CT 06825

SHEET TITLE
**ELEVATION AND
ANTENNA PLAN**

SHEET NUMBER

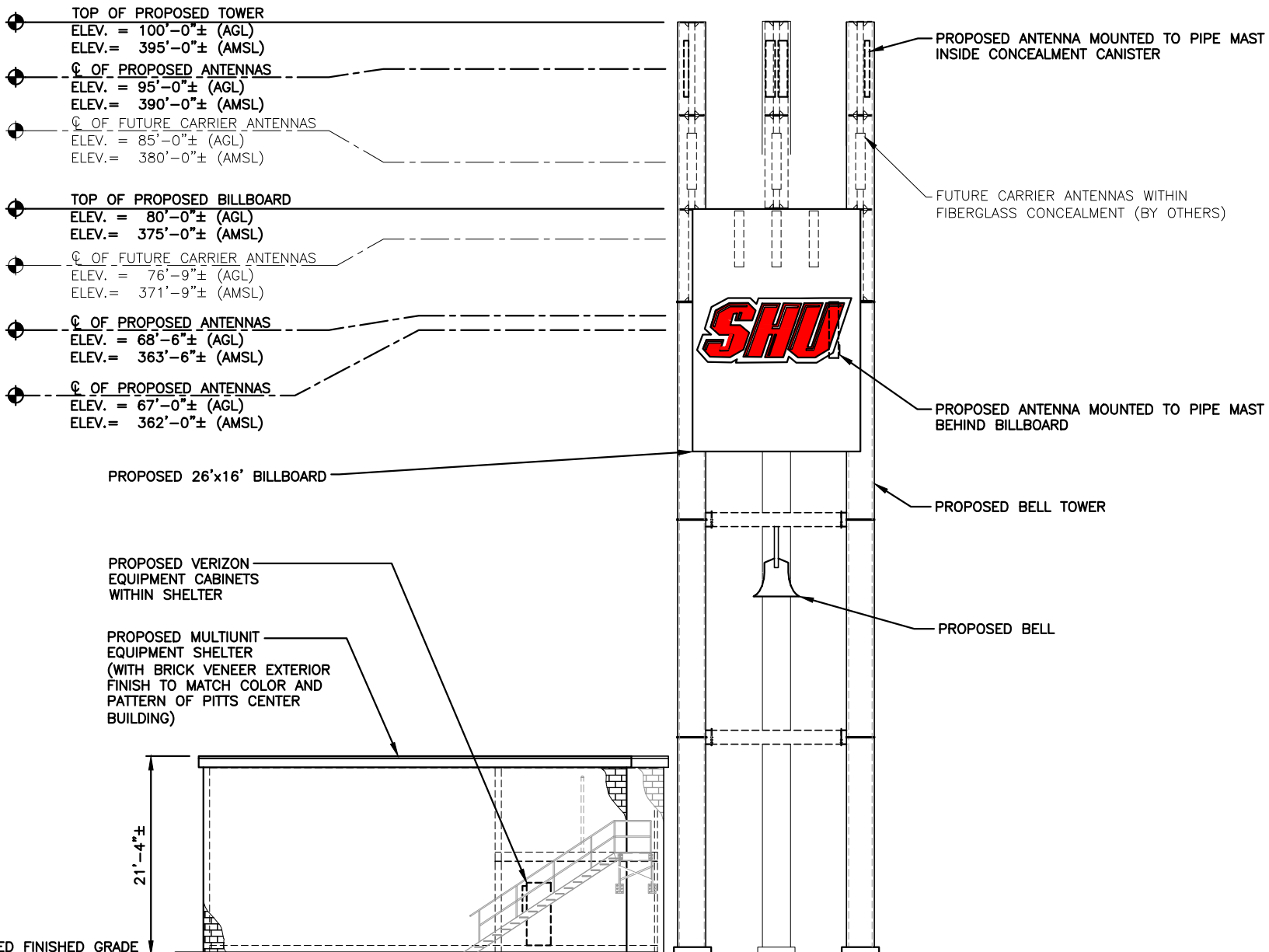
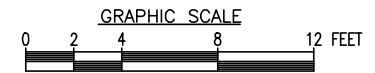
A-1.1



ANTENNA PLAN

22x34 SCALE: 1/4"=1'-0"
11x17 SCALE: 1/8"=1'-0"

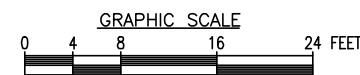
2
A-1.1



SOUTH ELEVATION

22x34 SCALE: 1/8"=1'-0"
11x17 SCALE: 1/16"=1'-0"

1
A-1.1

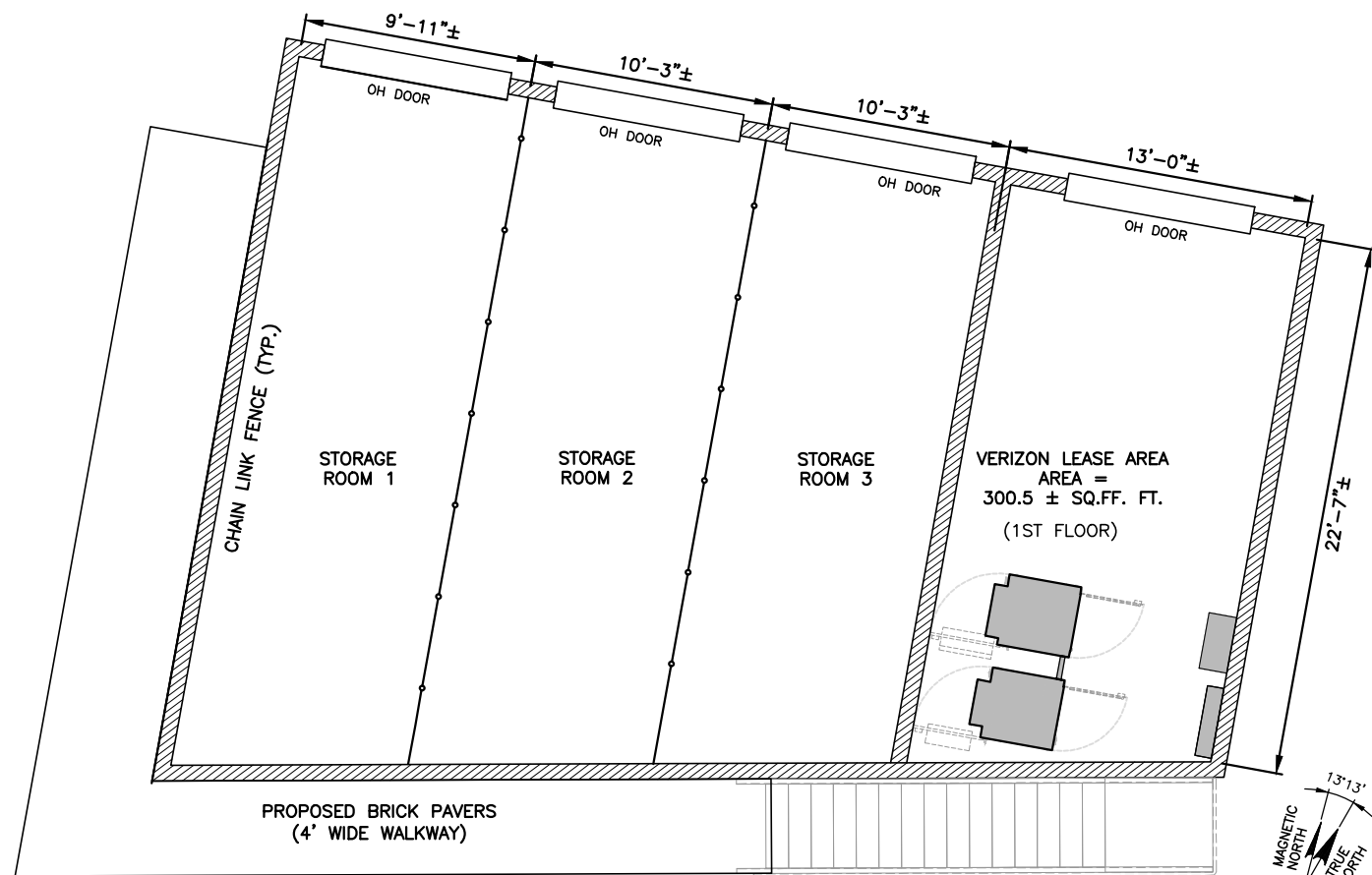


TOWER NOTES:

- 1.) TOWER ELEVATION IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL REFER TO TOWER MANUFACTURER DRAWINGS FOR COMPLETE INSTALLATION AND BILL OF MATERIAL INFORMATION.
- 2.) TOWER MINIMUM DESIGN SPECIFICATIONS SHALL BE IN ACCORDANCE WITH ANSI/TIA/EIA 222-G "STRUCTURAL STANDARDS FOR SUPPORTING STRUCTURES AND ANTENNAS, REVISION G" AND GOVERNING FEDERAL, STATE, AND LOCAL CODE REQUIREMENTS
- 3.) TOWER MANUFACTURER SHALL BE RESPONSIBLE FOR DESIGN AND STRUCTURAL COMPONENTS OF THE TOWER.
- 4.) FINAL UTILITY CONNECTIONS SHALL BE COORDINATED WITH THE LOCAL UTILITIES.

NOTE TO GENERAL CONTRACTOR:

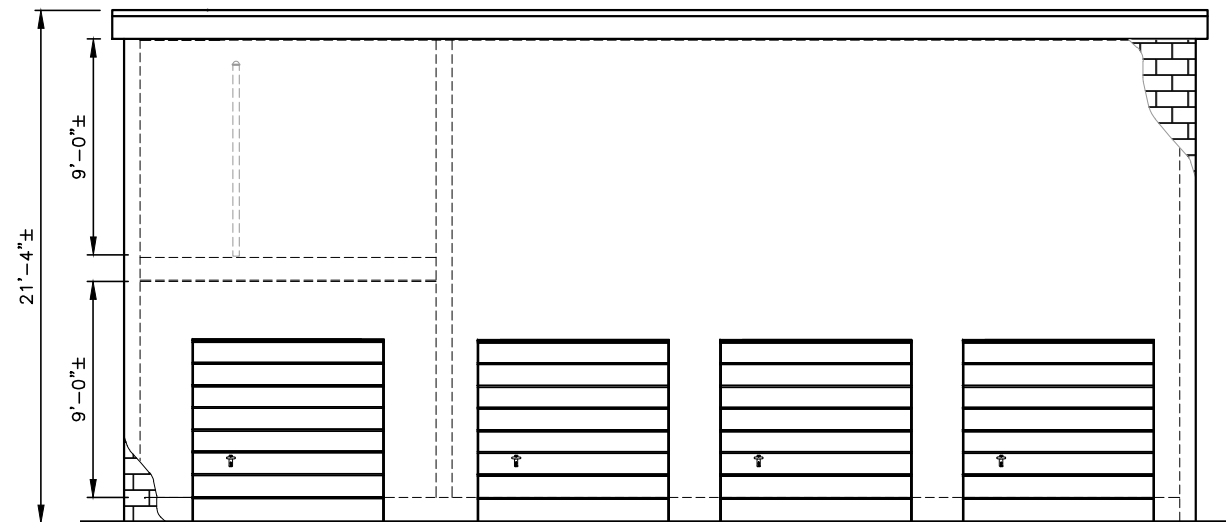
'RF' DESIGN AND EQUIPMENT IS BASED UPON
RFDS ISSUED BY VZW DATED: 1/13/22 REV 1
THE CONTRACTOR OF RECORD SHALL CONTACT VZW PRIOR TO ANY AND ALL ORDERING/PURCHASING/INSTALLATION OF EQUIPMENT TO VERIFY THAT THE 'RF' LISTED IN THE DRAWING SET IS CURRENT AND UP TO DATE.



FIRST FLOOR PLAN
22x34 SCALE: 1/4"=1'-0"
11x17 SCALE: 1/8"=1'-0"

1
A-2

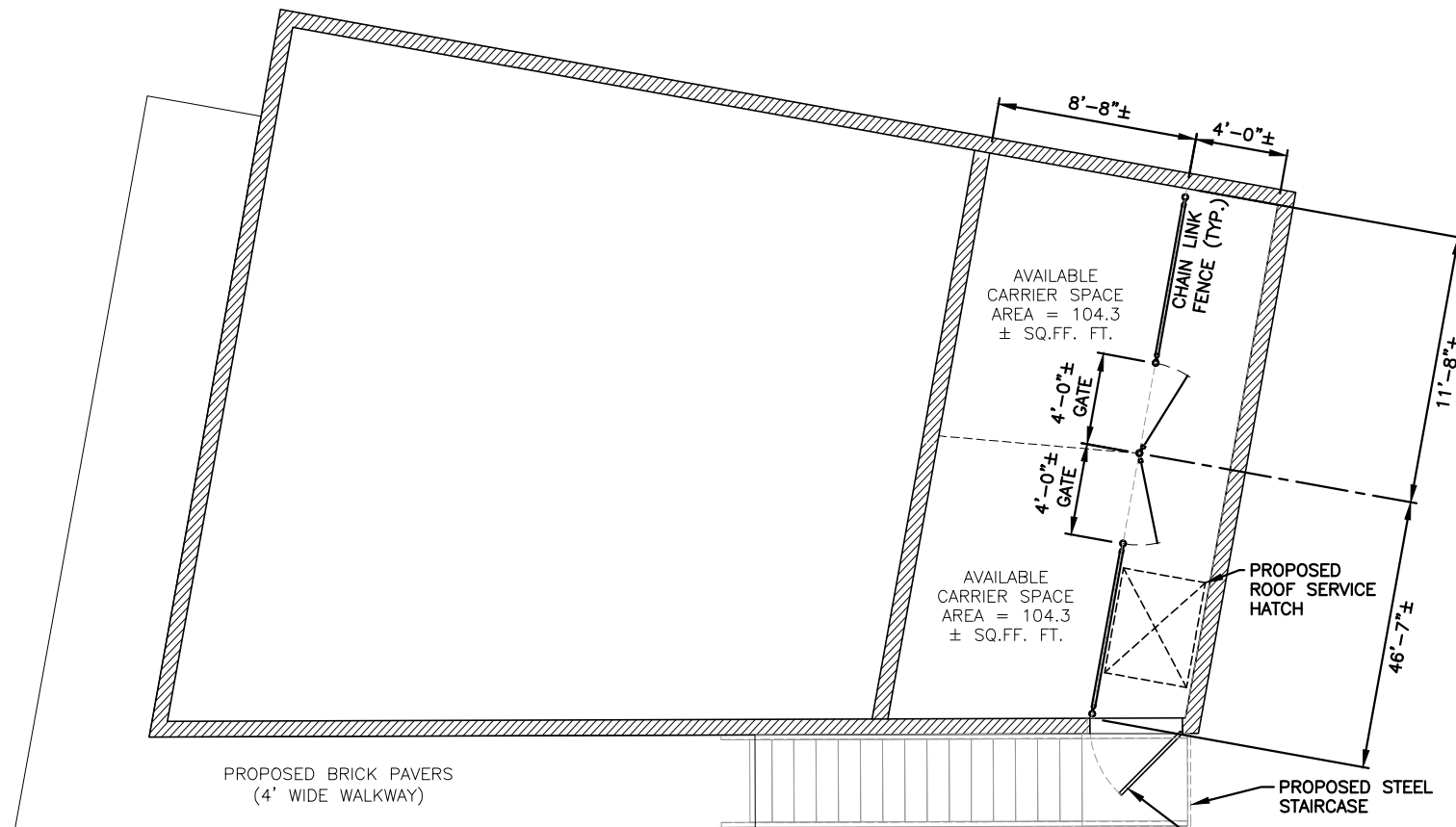
GRAPHIC SCALE
0 2 4 8 12 FEET



NORTH ELEVATION
22x34 SCALE: 1/4"=1'-0"
11x17 SCALE: 1/8"=1'-0"

4
A-2

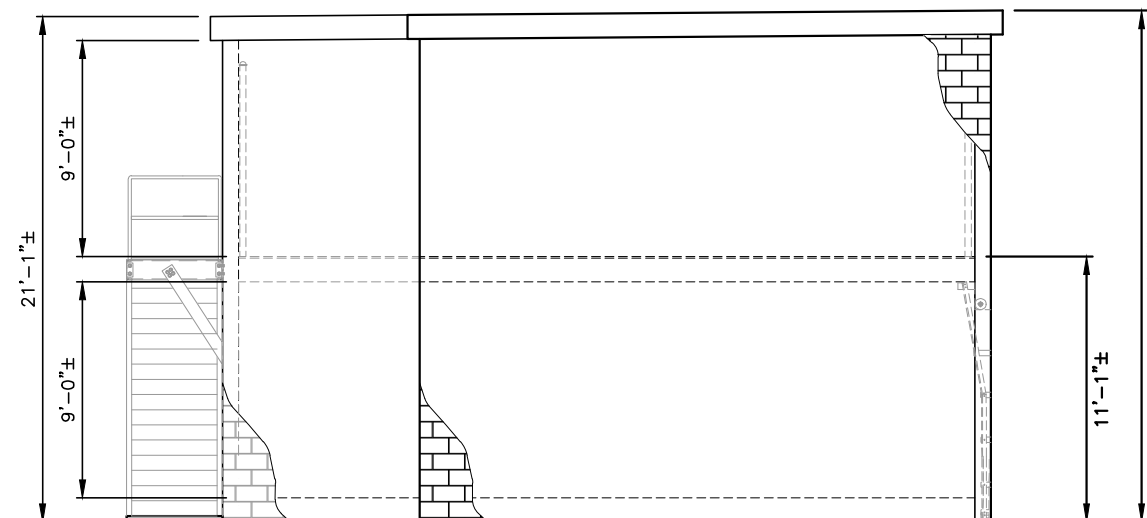
GRAPHIC SCALE
0 2 4 8 12 FEET



SECOND FLOOR PLAN
22x34 SCALE: 1/4"=1'-0"
11x17 SCALE: 1/8"=1'-0"

2
A-2

GRAPHIC SCALE
0 2 4 8 12 FEET



EAST ELEVATION
22x34 SCALE: 1/4"=1'-0"
11x17 SCALE: 1/8"=1'-0"

3
A-2

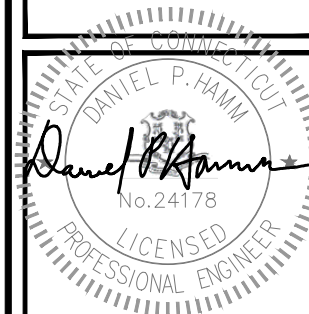
GRAPHIC SCALE
0 2 4 8 12 FEET

PREPARED FOR: CELLCO PARTNERSHIP D.B.A.

verizon

HG
HUDSON
Design Group LLC

45 BEECHWOOD DRIVE TEL: (978) 557-5553
N. ANDOVER, MA 01845 FAX: (978) 336-5586



CHECKED BY: JX

APPROVED BY: DPH

SUBMITTALS

REV	DATE	DESCRIPTION	BY
1	1/11/22	INCREASE BILLBOARD, + CABLE VAULT	SLY
0	9/27/21	12/30/21 ISSUED FOR CSC FILING	SLY

SITE NAME:

**PLATTSVILLE
RELO CT**

SITE ADDRESS:

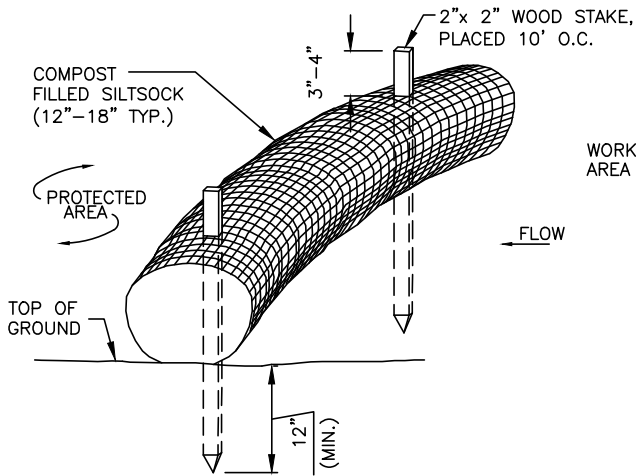
5151 PARK AVENUE
FAIRFIELD, CT 06825

SHEET TITLE

**FLOOR PLANS
AND ELEVATIONS**

SHEET NUMBER

A-2



1. SILT SOCK SHALL BE FILTREXX SILT SOXX, OR APPROVED EQUAL.
2. COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
3. SILT SOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
4. SEE SPECIFICATIONS FOR SOCK SIZE, AND COMPOST FILL, REQUIREMENTS.

SILT SOCK DETAIL

SCALE: N.T.S

1

A-3

REFER TO 2002 CONNECTICUT GUIDELINES
FOR SOIL EROSION AND SEDIMENT CONTROL

GENERAL CONSTRUCTION SEQUENCE:

THIS IS A GENERAL CONSTRUCTION SEQUENCE OUTLINE SOME ITEMS OF WHICH MAY NOT APPLY TO PARTICULAR SITES.

- 1) CLEAR AND GRUB AREAS OF PROPOSED CONSTRUCTION.
- 2) INSTALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES AS REQUIRED.
- 3) REMOVE AND STOCKPILE TOPSOIL. STOCKPILE SHALL BE SEEDED TO PREVENT EROSION.
- 4) CONSTRUCT CLOSED DRAINAGE SYSTEM. PROTECT CULVERT INLETS AND CATCH BASINS WITH SEDIMENTATION BARRIERS.
- 5) CONSTRUCT ROADWAYS AND PERFORM SITE GRADING, PLACING HAY BALES AND SILTATION FENCES AS REQUIRED TO CONTROL SOIL EROSION.
- 6) INSTALL UNDERGROUND UTILITIES.
- 7) BEGIN TEMPORARY AND PERMANENT SEEDING AND MULCHING. ALL CUT AND FILL SLOPES SHALL BE SEEDED OR MULCHED IMMEDIATELY AFTER THEIR CONSTRUCTION. NO AREA SHALL BE LEFT UNSTABILIZED FOR A TIME PERIOD OF MORE THAN 30 DAYS.
- 8) DAILY, OR AS REQUIRED, CONSTRUCT, INSPECT, AND IF NECESSARY, RECONSTRUCT TEMPORARY BERMS, DRAINS, DITCHES, SILT FENCES AND SEDIMENT TRAPS INCLUDING MULCHING AND SEEDING.
- 9) BEGIN EXCAVATION FOR AND CONSTRUCTION OF TOWERS AND PLATFORMS.
- 10) FINISH PAVING ALL ROADWAYS, DRIVES, AND PARKING AREAS.
- 11) COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- 12) NO STORM WATER FLOW SHALL BE DIVERTED TO ANY WETLANDS UNTIL A HEALTHY STAND OF GRASS HAS BEEN ESTABLISHED IN REGRADED AREAS.
- 13) AFTER GRASS HAS BEEN FULLY GERMINATED IN ALL SEEDED AREAS, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.

EROSION CONTROL MEASURES:

- 1) DISTURBED AREAS SHALL BE KEPT TO THE MINIMUM AREA NECESSARY TO CONSTRUCT THE ROADWAYS AND ASSOCIATED DRAINAGE FACILITIES.
- 2) HAY BALE BARRIERS AND SEDIMENT TRAPS SHALL BE INSTALLED AS REQUIRED. BARRIERS AND TRAPS ARE TO BE MAINTAINED AND CLEANED UNTIL ALL SLOPES HAVE A HEALTHY STAND OF GRASS.
- 3) BALED HAY AND MULCH SHALL BE MOWINGS OF ACCEPTABLE HERBACEOUS GROWTH, FREE FROM NOXIOUS WEEDS OR WOODY STEMS, AND SHALL BE DRY. NO SALT HAY SHALL BE USED.
- 4) FILL MATERIAL SHALL BE FREE FROM STUMPS, WOOD, ROOTS, ETC.
- 5) STOCKPILED MATERIALS SHALL BE PLACED IN AREAS SHOWN ON THE PLANS. STOCKPILES SHALL BE PROTECTED BY SILTATION FENCE AND SEEDED TO PREVENT EROSION. THESE MEASURES SHALL REMAIN UNTIL ALL MATERIAL HAS BEEN PLACED OR DISPOSED OFF SITE.
- 6) ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDED. A MINIMUM OF 4 INCHES OF LOAM SHALL BE INSTALLED WITH NOT LESS THAN ONE POUND OF SEED PER 50 SQUARE YARDS OF AREA.

- 7) APPLICATION OF GRASS SEED, FERTILIZERS AND MULCH SHALL BE ACCOMPLISHED BY BROADCAST SEEDING OR HYDROSEEDING AT THE RATES OUTLINED BELOW:

LIMESTONE:75-100 LBS./1,000 SQUARE FEET.

FERTILIZER:RATE RECOMMENDED BY MANUFACTURER.

MULCH: HAY MULCH APPROXIMATELY 3 TONS/ACRE UNLESS EROSION CONTROL MATTING IS USED.

<u>SEED MIX</u> (SLOPES LESS THAN 4:1)	<u>LBS./ACRE</u>
CREeping RED FESCUE	20
TALL FESCUE	20
REDTOP	2
	42

<u>SLOPE MIX</u> (SLOPES GREATER THAN 4:1)	<u>LBS./ACRE</u>
CREeping RED FESCUE	20
TALL FESCUE	20
BIRDSFOOT TREEFOIL	8
	48

TREATMENT SWALE PLANTING SPECIFICATIONS

TALL FESCUE	20 LBS/ACRE	OR	0.45 LBS/10,000 SF
CREeping RED FESCUE	20 LBS/ACRE	OR	0.45 LBS/10,000 SF
BIRDSFOOT TREFOIL	8 LBS/ACRE	OR	0.20 LBS/10,000 SF

LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT TIME OF SEEDING AND INCORPORATED INTO THE SOIL. THE FOLLOWING RATES ARE RECOMMENDED:

AGRICULTURAL LIMESTONE	2 TONS/ACRE	OR	100 LBS/1,000 SF
NITROGEN (N)	50 LBS/ACRE	OR	1.1 LBS/10,000 SF
PHOSPHATE (P205)	100 LBS/ACRE	OR	2.2 LBS/10,000 SF
POTASH (K20)	100 LBS/ACRE	OR	2.2 LBS/10,000 SF
(THIS IS EQUIVALENT TO 500 LBS/ACRE OF 10-20-20 FERTILIZER OR 1,000 LBS/ACRE OF 5-10-10).			

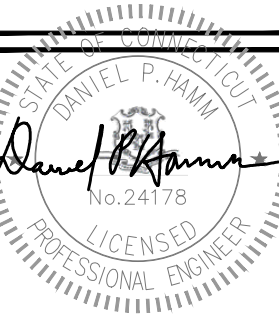
- 8) AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED THE TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED.
- 9) PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
- 10) ALL CATCH BASIN INLETS WILL BE PROTECTED WITH LOW POINT SEDIMENTATION BARRIER.
- 11) ALL STORM DRAINAGE OUTLETS WILL BE STABILIZE AND CLEANED AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
- 12) ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA.
- 13) NO DISCHARGE SHALL BE DIRECTED TOWARDS ANY PROPOSED DITCHES, SWALES, OR PONDS UNTIL THEY HAVE BEEN PROPERLY STABILIZED.

PREPARED FOR: CELLCO PARTNERSHIP D.B.A.

verizon

HG
HUDSON
Design Group LLC

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N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586



CHECKED BY: JX

APPROVED BY: DPH

SUBMITTALS

REV	DATE	DESCRIPTION	BY
1	1/11/22	INCREASE BILLBOARD, + CABLE VAULT	SLY
0	9/27/21	12/30/21 ISSUED FOR CSC FILING	SLY

SITE NAME:
PLATTSVILLE
RELO CT

SITE ADDRESS:
5151 PARK AVENUE
FAIRFIELD, CT 06825

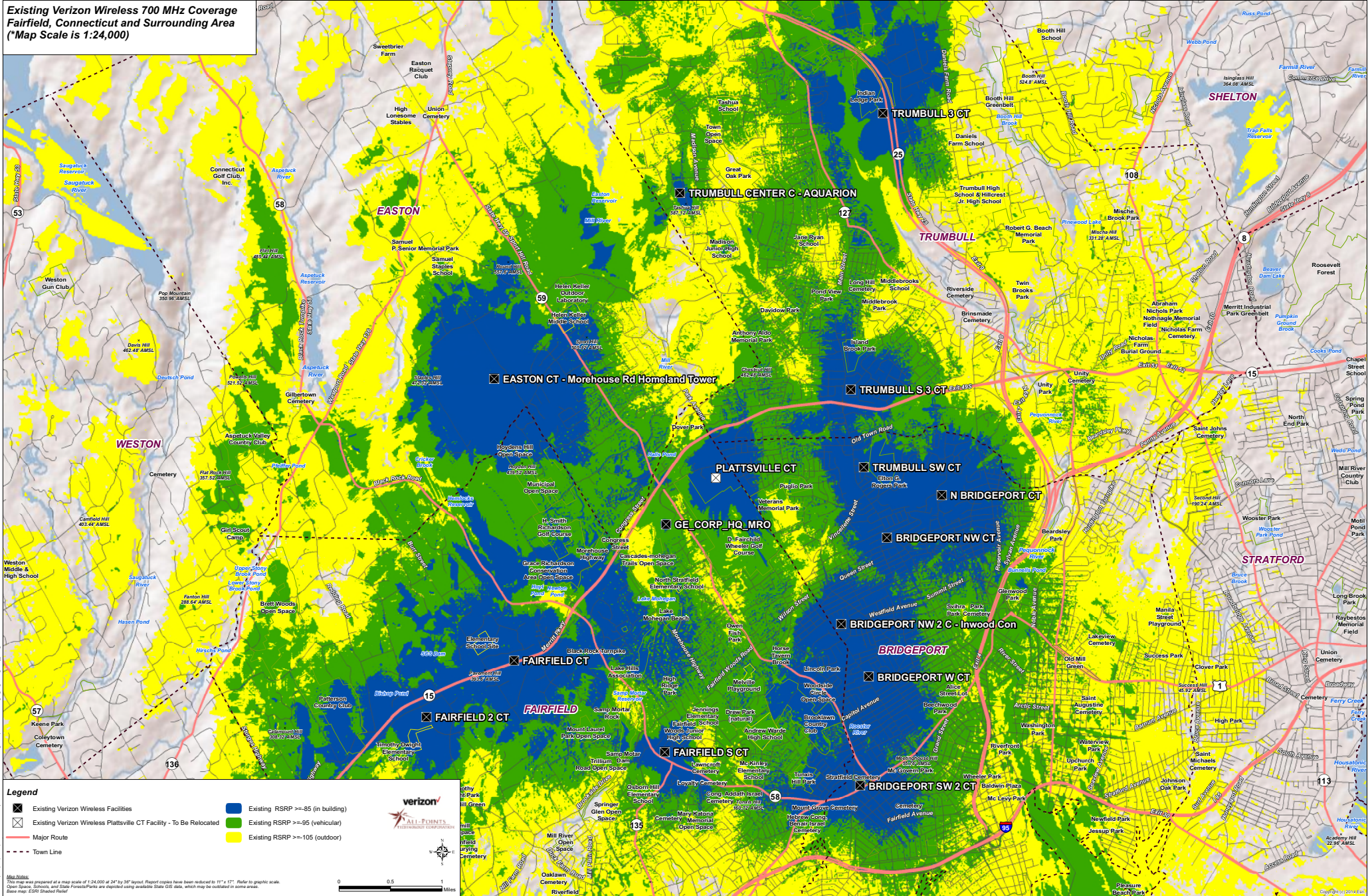
SHEET TITLE
EROSION
CONTROL NOTES
AND DETAILS

SHEET NUMBER

A-3

EXHIBIT 3

**Existing Verizon Wireless 700 MHz Coverage
Fairfield, Connecticut and Surrounding Area
(*Map Scale is 1:24,000)**



**Existing and Proposed Verizon Wireless 700 MHz Coverage
Fairfield, Connecticut and Surrounding Area
(*Map Scale is 1:24,000)**

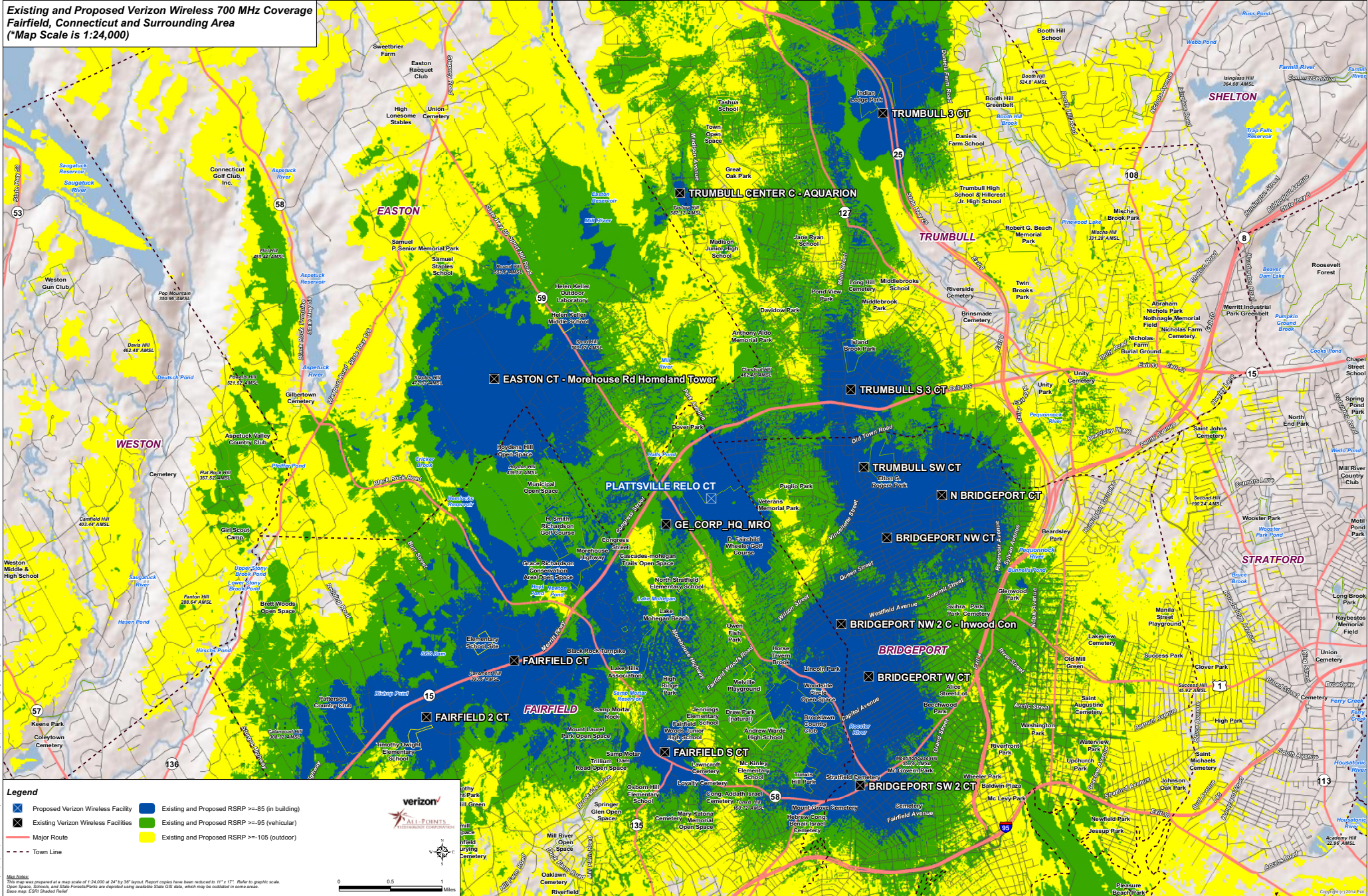


EXHIBIT 4

Visual Assessment & Photo-Simulations

PLATTSVILLE RELO CT
5151 PARK AVENUE
FAIRFIELD, CT 06825

Prepared in December 2021 by:
All-Points Technology Corporation, P.C.
567 Vauxhall Street Extension – Suite 311
Waterford, CT 06385

Prepared for Verizon Wireless



VISUAL ASSESSMENT & PHOTO-SIMULATIONS

Cellco Partnership, d/b/a Verizon Wireless is seeking approval for the development of a new wireless communications facility (the “Facility”) at 5151 Park Avenue in Fairfield, Connecticut on the campus of Sacred Heart University (“SHU” or the “University”) (the “Host Property”). The Facility is being developed to relocate existing Verizon Wireless equipment from a building located at 175 Jefferson Street on the main campus of SHU. At the request of Verizon Wireless, All-Points Technology Corporation, P.C. (“APT”) completed this assessment to evaluate the potential visual effects of the proposed Facility from within a two-mile radius (the “Study Area”). The Study Area includes portions of the neighboring municipalities of Easton (to the north and west), Trumbull (to the northeast), and Bridgeport (to the east and southeast).

Project Undertaking

Verizon Wireless plans to construct the Facility in the southwestern portion of the Host Property (the “Site”), adjacent to the southeast entrance to the SHU football stadium and south of the William H. Pitt Health & Recreation Center (“Pitt Center”). The Facility would include a 100-foot tall structure designed to resemble a bell tower and billboard for the SHU stadium. The proposed antennas would be installed within fiberglass concealments with a centerline of 95 feet above ground level (“AGL”). All equipment would be installed within a multi-unit equipment shelter designed to match the façade of the Pitt Center. The base of the Facility would be constructed at an approximate elevation of 296 feet above mean sea level (“AMSL”). Access would be provided over an existing paved driveway that extends southward onto the Host Property from Jefferson Street and terminates adjacent to the Site. Please refer to the design drawings prepared by Hudson Design Group, LLC, Revision 5 dated December 9, 2021, provided under separate cover, for details regarding the proposed installation.

Project Setting

The Host Property is located west of Park Avenue and south of Jefferson Street in the northeastern portion of Fairfield. Fairchild Wheeler Golf Course borders the Host Property to the west and south. Notre Dame Catholic High School is located across Jefferson Street north of the Site. The Merritt Parkway (Connecticut State Route 15 or the “Parkway”), a National Scenic Byway listed on the National Register of Historic Places, runs approximately 2,700 feet north of the Site. Exit 46 (egressed from the northbound side) of the Parkway and an adjacent commuter lot are approximately 2,000 feet northwest of the Site. Land use in the immediate vicinity also includes high density residentially-developed properties.

The topography within the majority of the Study Area consists of generally gently rolling terrain. Ground elevations range from approximately 60 feet AMSL in the southeastern portion of the Study Area to approximately 488 feet AMSL in the northwestern portion of the Study Area. Tree cover within the Study Area (consisting of mixed deciduous hardwoods and interspersed stands of conifers) occupies approximately 3,666 acres (±45.59%) of the 8,042-acre Study Area.

Methodology

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

Preliminary Computer Modeling

To conduct this assessment, a predictive computer model was developed specifically for this project using ESRI's ArcMap GIS¹ software and available GIS data. The predictive model incorporates project and Study Area-specific data, including the site location, its ground elevation and the proposed Facility height, as well as the surrounding topography, existing vegetation, and structures (the primary features that can block direct lines of sight).

A digital surface model ("DSM"), capturing both the natural and built features on the Earth's surface, was generated for the extent of the Study Area utilizing State of Connecticut 2016 LiDAR² LAS³ data points. LiDAR is a remote-sensing technology that develops elevation data by measuring the time it takes for laser light to return from the surface to the instrument's sensors. The varying reflectivity of objects also means that the "returns" can be classified based on the characteristics of the reflected light, normally into categories such as "bare earth," "vegetation," "road," or "building." Derived from the 2016 LiDAR data, the LAS datasets contain the corresponding elevation point data and return classification values. The Study Area DSM incorporates the first return LAS dataset values that are associated with the highest feature in the landscape, typically a treetop, top of a building, and/or the highest point of other tall structures.

Once the DSM was generated, ESRI's Viewshed Tool was utilized to identify locations within the Study Area where the proposed Facility may be visible. ESRI's Viewshed Tool predicts visibility by identifying those cells⁴ within the DSM that can be seen from an observer location. Cells where visibility was indicated were extracted and converted from a raster dataset to a polygon feature which was then overlaid onto an aerial photograph and topographic base map. Since the DSM includes the highest relative feature in the landscape, isolated "visible" cells are often indicated within heavily forested areas (e.g., from the top of the highest tree) or on building rooftops during the initial processing. It is recognized that these areas do not represent typical viewer locations and overstate visibility. As such, the resulting polygon feature is further refined by extracting those areas. The viewshed results are also cross-checked against the most current aerial photographs to assess whether significant changes (a new housing development, for example) have occurred since the time the LiDAR-based LAS datasets were captured.

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

² Light Detection and Ranging

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

⁴ Each DSM cell size is 1 square meter.

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

Seasonal Visibility

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

Balloon Float and Field Reconnaissance

To supplement and fine-tune the results of the computer modeling efforts, APT completed in-field verification activities consisting of a balloon float, vehicular and pedestrian reconnaissance, and photo-documentation. The balloon float and field reconnaissance were completed on September 14, 2021. The balloon float consisted of raising a brightly-colored, approximately 4-foot diameter, helium-filled balloon tethered to a string height of ± 100 feet AGL⁵ at the proposed Site. Weather conditions were favorable for the in-field activity with calm winds and sunny skies.

Once the balloon was raised, APT conducted a Study Area reconnaissance by driving through the SHU campus and along local and State roads and other publicly accessible locations to document and inventory where the balloon could be seen above and through the tree canopy and other visual obstructions. Visual observations from the reconnaissance were also used to evaluate the results of the preliminary visibility mapping and identify any discrepancies in the initial modeling.

⁵ The bottom of the balloon represented the top of the Facility.

Photographic Documentation and Simulations

During the Study Area reconnaissance, APT obtained photo-documentation of representative locations where the balloon was visible. At each photo location, the geographic coordinates of the camera's position were logged using global positioning system ("GPS") technology. Photographs were taken with a Canon EOS 6D digital camera body⁶ and Canon EF 24 to 105 millimeter ("mm") zoom lens. APT typically uses a standard focal length of 50mm to present a consistent field of view. On occasion, photos are taken at lower focal lengths to provide a greater depth of field and to provide context to the scene by including surrounding features within the photograph. During this evaluation, two (2) photographs were taken at a 35mm focal length as noted in the table (Table 1 – Photo Locations) on the following pages.

Photographic simulations were generated to portray scaled renderings of the proposed Facility from 10 locations presented herein where the Facility may be recognizable above or through the trees. Using field data, site plan information and 3-dimensional (3D) modeling software, spatially referenced models of the site and Facility were generated and merged. The geographic coordinates obtained in the field for the photograph locations were incorporated into the model to produce virtual camera positions within the spatial 3D model. Photo-simulations were then created using a combination of renderings generated in the 3D model and photo-rendering software programs, which were ultimately composited and merged with the existing conditions photographs (using Photoshop image editing software). The scale of the subjects in the photograph (the balloon) and the corresponding simulation (the Facility) is proportional to their surroundings.

For presentation purposes in this report, the photographs were produced in an approximate 7-inch by 10.5-inch format. When reproducing the images in this format size, we believe it is important to present the largest view while providing key contextual landscape elements (existing developments, street signs, utility poles, etc.) so that the viewer can determine the proportionate scale of each object within the scene. Photo-documentation of the field reconnaissance and photo-simulations of the proposed Facility are presented in the attachment at the end of this report. The field reconnaissance photos that include the balloon in the view provide visual reference points for the approximate height and location of the proposed Facility relative to the scene. All simulations were created to represent the proposed top Facility height of 100' AGL. The photo-simulations are intended to provide the reader with a general understanding of the different view characteristics associated with the Facility from various locations. Photographs were taken from publicly-accessible areas and unobstructed view lines were chosen wherever possible.

The following table summarizes the photographs and simulations presented in the attachment to this report, and includes a description of each location, view orientation, distance from where the photo was taken relative to the proposed Facility, approximate height of the Facility that is visible, and the general characteristics of the view. The photo locations are depicted on the photolog and viewshed maps provided as attachments to this report.

⁶ The Canon EOS 6D is a full-framed camera which includes a lens receptor of the same size as the film used in 35mm cameras. As such, the images produced are comparable to those taken with a conventional 35mm camera.

Table 1 – Photo Locations

Photo	Location	Orientation	Distance to Site	Height of Facility Visible in Photograph	Visibility
1	Sacred Heart University – Pitt Center	Southwest	± 0.10 Mile	50'-60'	Visible
2	Sacred Heart University – Teresa of Calcutta Hall	South	± 0.10 Mile	20'-30'	Visible
3	Sacred Heart University – Campus Field	Southeast	± 0.13 Mile	90'-100'	Visible
4	Sacred Heart University – Bobby Valentine Athletic Center	Southeast	± 0.20 Mile	40'-50'	Visible
5	Sacred Heart University – Bookstore	Southwest	± 0.16 Mile	30'-40'	Visible
6	Eckart Street	West	± 0.40 Mile	N/A	Not Visible
7	Park Avenue	Southwest	± 0.34 Mile	N/A	Not Visible
8	St. Nicholas Drive at Nancy Drive – Bridgeport	Southwest	± 0.38 Mile	30'-40'	Visible
9	Nancy Drive – Bridgeport*	Southwest	± 0.40 Mile	N/A	Not Visible
10	Park Avenue – Bridgeport	Southwest	± 0.36 Mile	20'-30'	Visible
11	Park Avenue – Bridgeport*	Southwest	± 0.47 Mile	N/A	Not Visible
12	Park Avenue – Trumbull	South	± 0.55 Mile	10'-20'	Visible
13	Park Avenue	South	± 0.55 Mile	N/A	Not Visible
14	Jefferson Street	Southwest	± 0.37 Mile	N/A	Not Visible
15	Jefferson Street at Entrance to Sacred Heart University	Southeast	± 0.31 Mile	N/A	Not Visible
16	Donna Drive at Jefferson Street	Southeast	± 0.33 Mile	N/A	Not Visible
17	Weeping Willow Lane	Southeast	± 0.47 Mile	N/A	Not Visible
18	Jefferson Street – Park & Ride	Southeast	± 0.43 Mile	N/A	Not Visible
19	Merritt Parkway	East	± 0.43 Mile	N/A	Not Visible
20	Hawthorne Drive	Northeast	± 0.40 Mile	N/A	Not Visible
21	Wellner Drive	North	± 0.40 Mile	N/A	Not Visible
22	Fairchild Wheeler Golf Course	Northwest	± 0.31 Mile	20'-30'	Visible
23	Fairchild Wheeler Golf Course	West	± 0.27 Mile	20'-30'	Visible
24	Sky Top Drive	Northwest	± 0.94 Mile	N/A	Not Visible

**Photograph was taken at 35 mm focal length.
Unless otherwise noted, photograph locations are in Fairfield.*

Final Visibility Mapping

Information obtained during the field reconnaissance was incorporated into the mapping data layers, including observations of the field reconnaissance, the photograph locations, areas that experienced recent land use changes and those places where the initial model was found to over or under-predict visibility. Once the additional data was integrated into the model, APT recalculated the visibility of the proposed Facility within the Study Area.

Conclusions

As presented on the attached viewshed maps, the Facility would be visible from select locations within approximately 0.50-mile of the Site primarily on, and immediately surrounding, the SHU main campus. Photos 1 through 5 depict representative views from locations on the SHU main campus. Photos 22 and 23 characterize views towards the Site from grounds of the neighboring Fairchild Wheeler Public Golf Course. Views would also extend to the southeast in the southcentral section of the golf course. Isolated views of the Facility are expected along Park Avenue to the east and northeast.

Predicted year-round visibility of the proposed Facility is estimated to include approximately 25 acres (<1% of the 8,042-acre Study Area). Predicted potential seasonal visibility is estimated to include an additional approximately 126 acres ($\pm 1.57\%$ of the Study Area).

Proximity to Schools And Commercial Child Day Care Centers

Notre Dame Catholic High School (220 Jefferson Street) is located approximately 0.35 mile north of the Site. APT did not access the grounds of Notre Dame Catholic High School because it is a private school. However, based upon the viewshed analysis, portions of the Facility would likely be visible from some locations on the school property. ABC Day Care is located approximately 1.1 miles northeast of the Site. The proposed Facility would not be visible from the vicinity of ABC Day Care.

Limitations

The viewshed maps presented in the attachment to this report depict areas where the proposed Facility may potentially be visible to the human eye without the aid of magnification based on a viewer eye-height of five (5) feet above the ground and intervening topography, tree canopy and structures. This analysis may not account for all visible locations, as it is based on the combination of computer modeling, incorporating aerial photographs, and in-field observations from publicly-accessible locations. This analysis does not claim to depict the only areas, or all locations, where visibility may occur; it is intended to provide a representation of those areas where the Facility is likely to be seen.

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

ATTACHMENTS

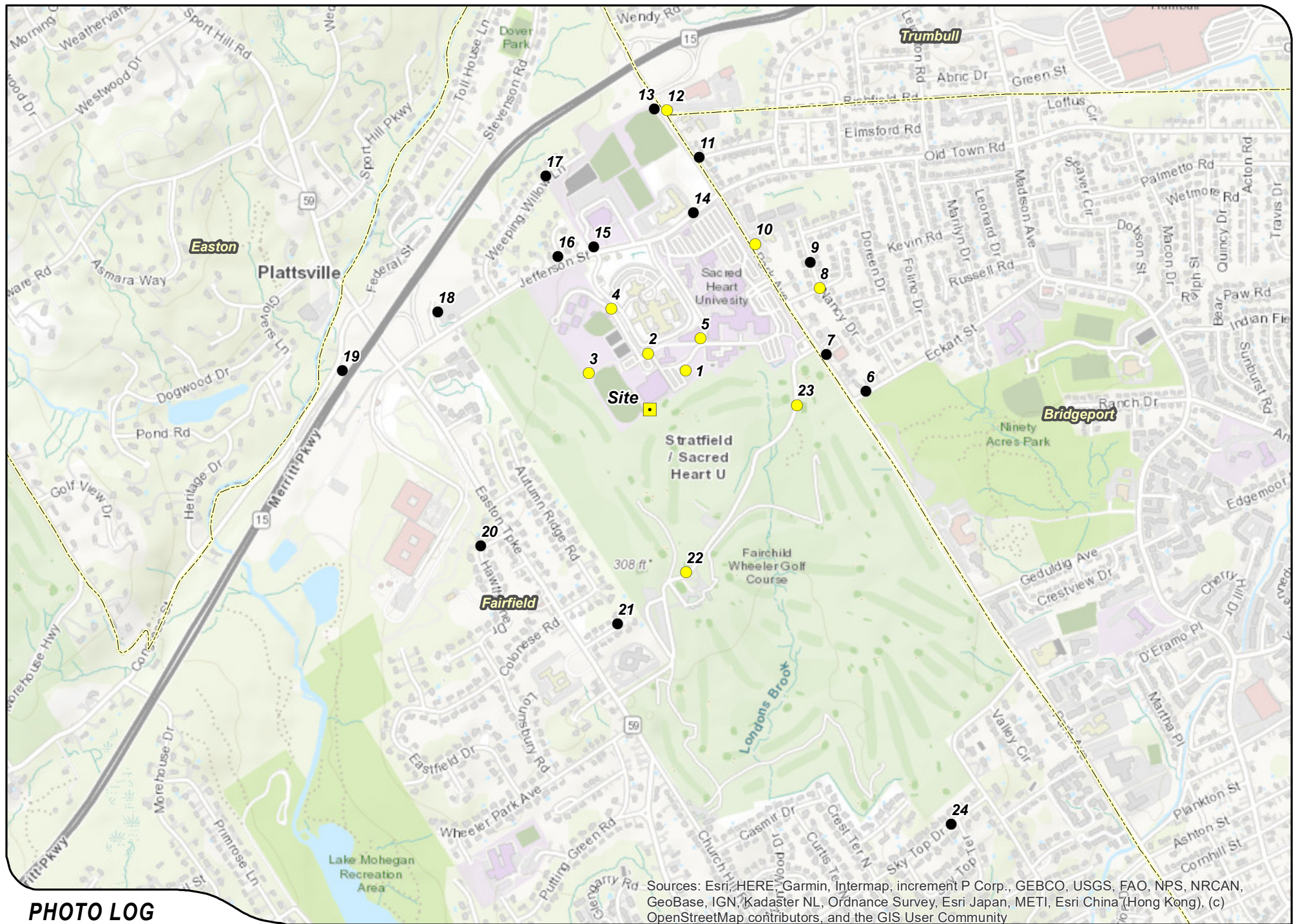
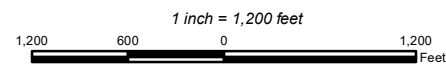


PHOTO LOG

Legend

- Site
- Visible
- Not Visible
- Municipal Boundary





PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
1	SACRED HEART UNIVERSITY - WILLIAM H. PITT HEALTH AND RECREATION CENTER	SOUTHWEST	+/- 0.10 MILE	VISIBLE



PROPOSED

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
1	SACRED HEART UNIVERSITY - WILLIAM H. PITT HEALTH AND RECREATION CENTER	SOUTHWEST	+/- 0.10 MILE	VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
2	SACRED HEART UNIVERSITY - TERESA OF CALCUTTA HALL	SOUTH	+/- 0.10 MILE	VISIBLE



PROPOSED

PHOTO

LOCATION

ORIENTATION

DISTANCE TO SITE

VISIBILITY

2

SACRED HEART UNIVERSITY - TERESA OF CALCUTTA HALL

SOUTH

+/- 0.10 MILE

VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
3	SACRED HEART UNIVERSITY - CAMPUS FIELD	SOUTHEAST	+/- 0.13 MILE	VISIBLE



PROPOSED

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
3	SACRED HEART UNIVERSITY - CAMPUS FIELD	SOUTHEAST	+/- 0.13 MILE	VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
4	SACRED HEART UNIVERSITY - BOBBY VALENTINE ATHLETIC CENTER	SOUTHEAST	+/- 0.20 MILE	VISIBLE



PROPOSED

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
4	SACRED HEART UNIVERSITY - BOBBY VALENTINE ATHLETIC CENTER	SOUTHEAST	+/- 0.20 MILE	VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
5	SACRED HEART UNIVERSITY - BOOKSTORE	SOUTHWEST	+/- 0.16 MILE	VISIBLE



PROPOSED

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
5	SACRED HEART UNIVERSITY - BOOKSTORE	SOUTHWEST	+/- 0.16 MILE	VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO

6

LOCATION

ECKART STREET - BRIDGEPORT

ORIENTATION

WEST

DISTANCE TO SITE

+/- 0.40 MILE

VISIBILITY

NOT VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO

7

LOCATION

PARK AVENUE - BRIDGEPORT

ORIENTATION

SOUTHWEST

DISTANCE TO SITE

+/- 0.34 MILE

VISIBILITY

NOT VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
8	ST. NICHOLAS DRIVE AT NANCY DRIVE - BRIDGEPORT	SOUTHWEST	+/- 0.38 MILE	VISIBLE



PROPOSED

PHOTO

LOCATION

ORIENTATION

DISTANCE TO SITE

VISIBILITY

8

ST. NICHOLAS DRIVE AT NANCY DRIVE - BRIDGEPORT

SOUTHWEST

+/- 0.38 MILE

VISIBLE



35mm focal length
PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
9	NANCY DRIVE - BRIDGEPORT	SOUTHWEST	+/- 0.40 MILE	NOT VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
10	PARK AVENUE - BRIDGEPORT	SOUTHWEST	+/- 0.36 MILE	VISIBLE



PROPOSED

PHOTO

10

LOCATION

PARK AVENUE - BRIDGEPORT

ORIENTATION

SOUTHWEST

DISTANCE TO SITE

+/- 0.36 MILE

VISIBILITY

VISIBLE



35mm focal length
PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
11	PARK AVENUE - BRIDGEPORT	SOUTHWEST	+/- 0.47 MILE	NOT VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
12	PARK AVENUE - TRUMBULL	SOUTH	+/- 0.55 MILE	VISIBLE



PROPOSED

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
12	PARK AVENUE - TRUMBULL	SOUTH	+/- 0.55 MILE	VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
13	PARK AVENUE	SOUTH	+/- 0.55 MILE	NOT VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
14	JEFFERSON STREET	SOUTHWEST	+/- 0.37 MILE	NOT VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
15	JEFFERSON STREET AT ENTRANCE TO SACRED HEART UNIVERSITY	SOUTHEAST	+/- 0.31 MILE	NOT VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
16	DONNA DRIVE AT JEFFERSON STREET	SOUTHEAST	+/- 0.33 MILE	NOT VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
17	WEeping WILLOW LANE	SOUTHEAST	+/- 0.47 MILE	NOT VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
18	JEFFERSON STREET - PARK & RIDE	SOUTHEAST	+/- 0.43 MILE	NOT VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
19	MERRITT PARKWAY	EAST	+/- 0.43 MILE	NOT VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO

20

LOCATION

HAWTHORNE DRIVE

ORIENTATION

NORTHEAST

DISTANCE TO SITE

+/- 0.40 MILE

VISIBILITY

NOT VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
21	WELLNER DRIVE	NORTH	+/- 0.40 MILE	NOT VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO

22

LOCATION

FAIRCHILD WHEELER GOLF COURSE

ORIENTATION

NORTHWEST

DISTANCE TO SITE

+/- 0.31 MILE

VISIBILITY

VISIBLE



PROPOSED

PHOTO

22

LOCATION

FAIRCHILD WHEELER GOLF COURSE

ORIENTATION

NORTHWEST

DISTANCE TO SITE

+/- 0.31 MILE

VISIBILITY

VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
23	FAIRCHILD WHEELER GOLF COURSE	WEST	+/- 0.27 MILE	VISIBLE



PROPOSED

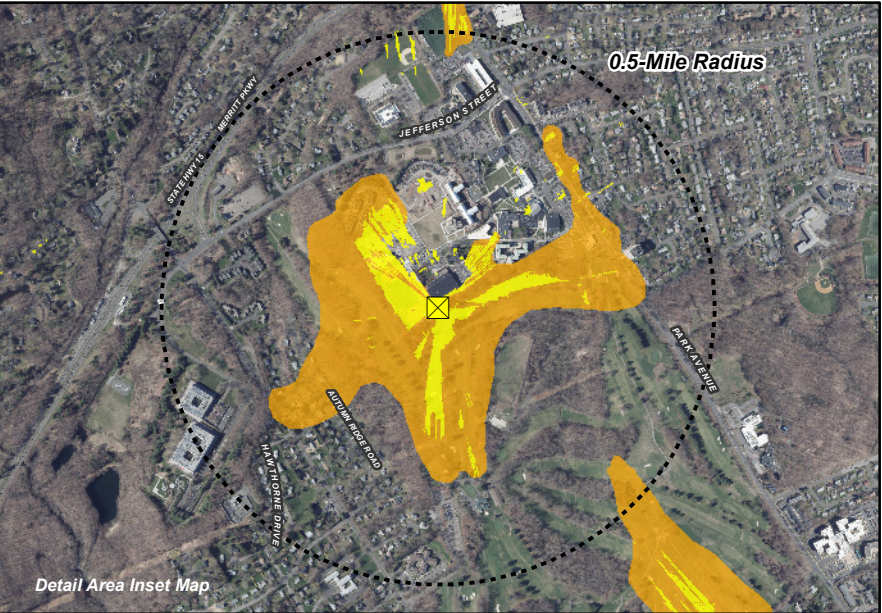
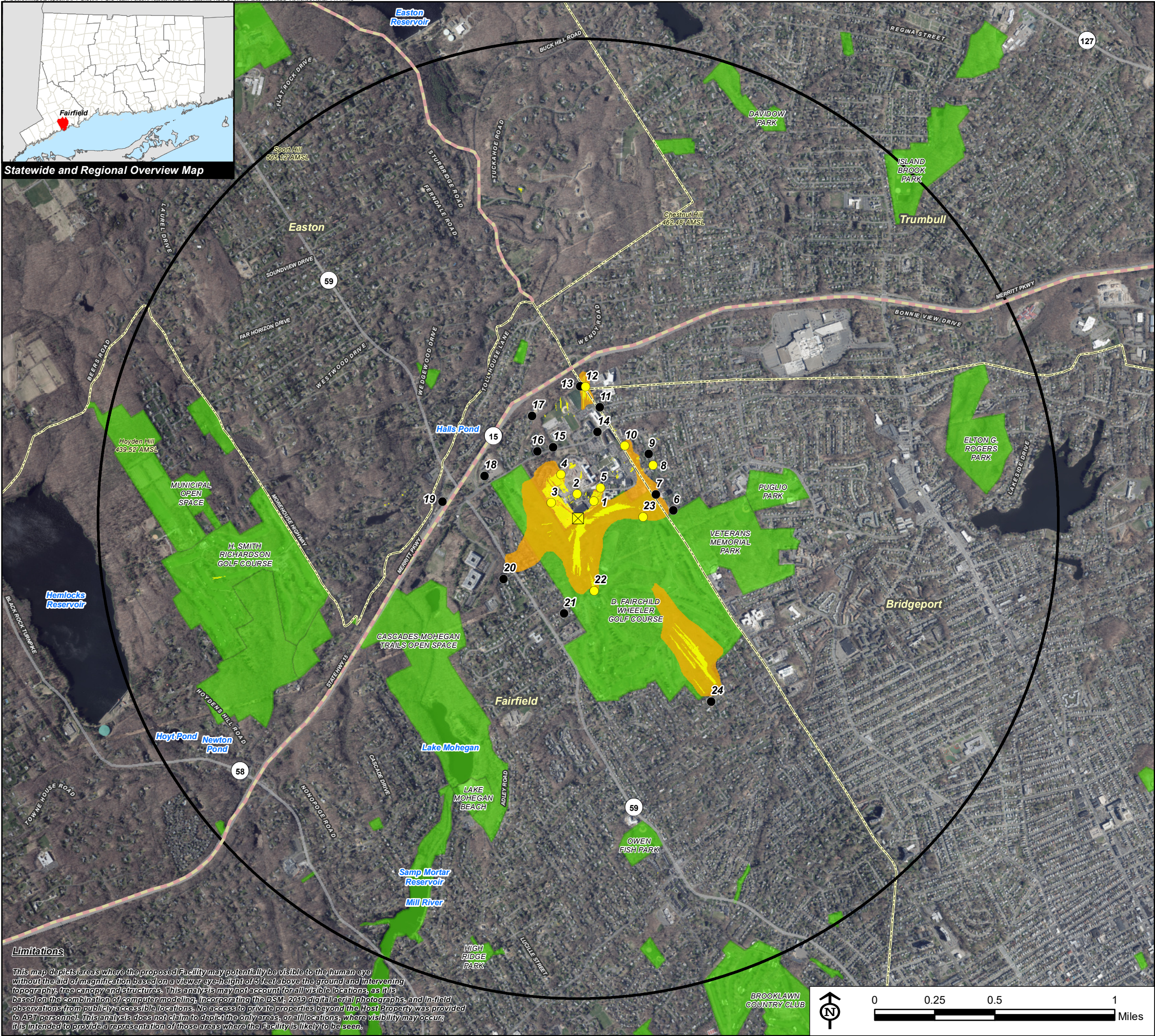
PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
23	FAIRCHILD WHEELER GOLF COURSE	WEST	+/- 0.27 MILE	VISIBLE



PHOTOGRAPHED ON 9/14/2020

EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
24	SKY TOP DRIVE	NORTHWEST	+/- 0.94 MILE	NOT VISIBLE



Viewshed Analysis Map

Proposed Wireless Telecommunications Facility
Plattsville RELO CT
5151 Park Avenue
Fairfield, Connecticut

Proposed facility height is 100 feet AGL.
Forest canopy height is derived from LiDAR data.
Study area encompasses a two-mile radius and includes 8,042 acres.
Map information field verified by APT on September 14, 2021
Base Map Source: 2019 Aerial Photograph (CTECO)
Map Date: September 2021

Legend

Proposed Site	Trail
Study Area (2-Mile Radius)	Scenic Highway
Not Visible	DEEP Boat Launches
Visible	Municipal and Private Open Space Property
Predicted Year-Round Visibility (25 Acres)	State Forest/Park
Areas of Potential Seasonal Visibility (126 Acres)	Protected Open Space Property
Municipal Boundary	Federal
	Land Trust
	Municipal
	Private
	State

Data Sources:

Physical Geography / Background Data

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

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

Dedicated Open Space & Recreation Areas

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

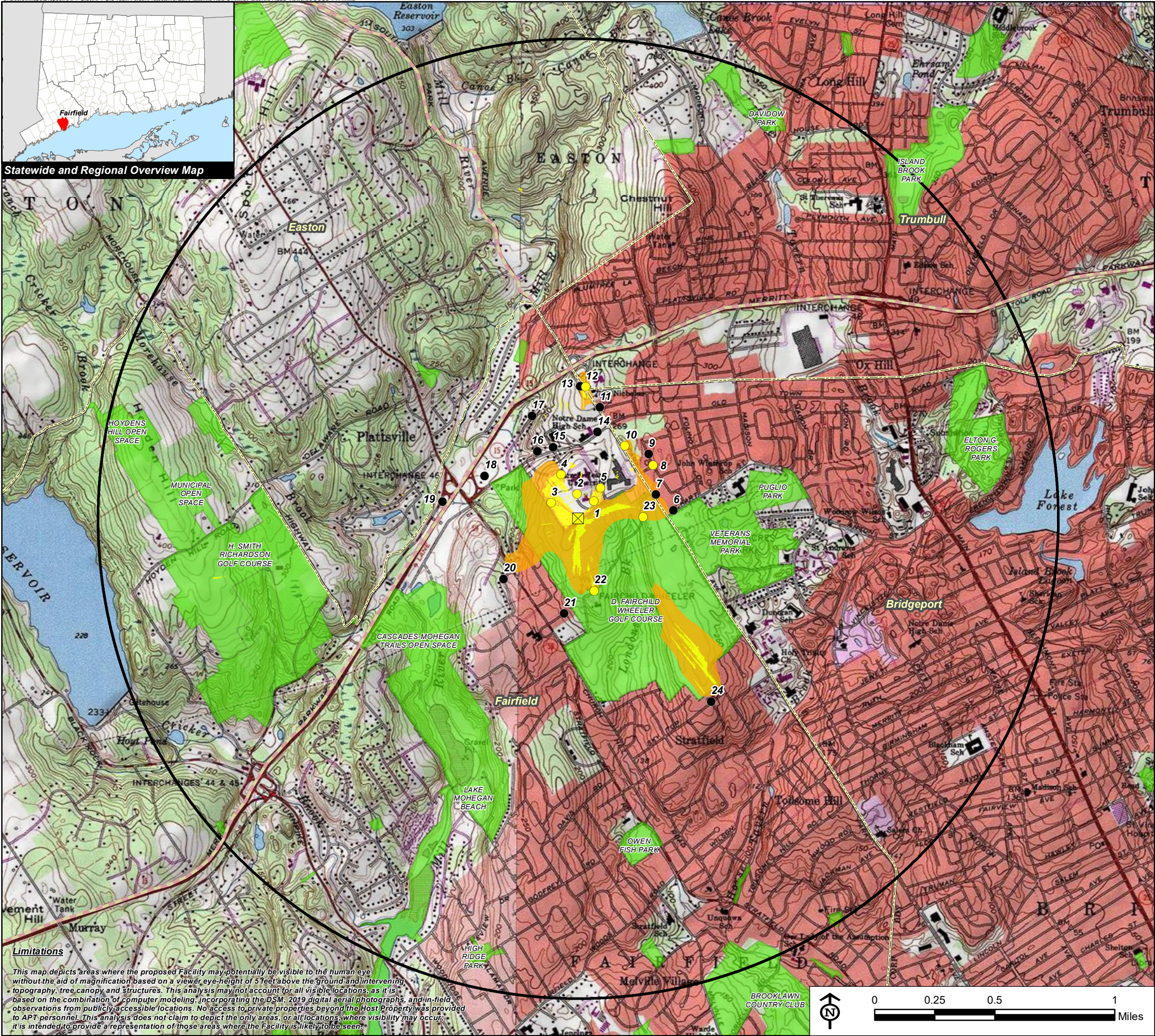
Connecticut Forest & Parks Association, Connecticut Walk Books East & West

Other

CTDOT Scenic Strips (based on Department of Transportation data)

Notes

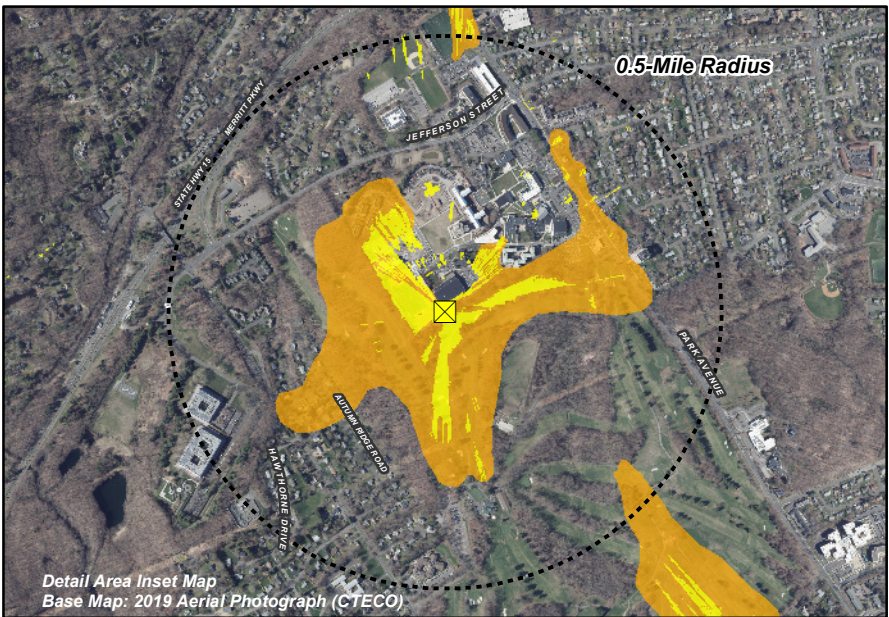
***Not all the sources listed above appear on the Viewshed Maps. Only those features within the scale of the graphic are shown.*



Statewide and Regional Overview Map

Limitations

This map depicts areas where the proposed Facility may potentially be visible to the human eye without the aid of magnification based on a viewer eye-height of 5 feet above the ground and intervening topography, tree canopy and structures. This analysis may not account for all visible locations, as it is based on the combination of computer modeling, incorporating the DSM, 2019 digital aerial photographs, and in-field observations from publicly-accessible locations. No access to private properties beyond the Host Property was provided to APT personnel. This analysis does not claim to depict the only areas, or all locations, where visibility may occur; it is intended to provide a representation of those areas where the Facility is likely to be seen.



Detail Area Inset Map
Base Map: 2019 Aerial Photograph (CTECO)

Viewshed Analysis Map

Proposed Wireless Telecommunications Facility
Plattsville RELO CT
5151 Park Avenue
Fairfield, Connecticut

Proposed facility height is 100 feet AGL.
Forest canopy height is derived from LiDAR data.
Study area encompasses a two-mile radius and includes 8,042 acres.
Map information field verified by APT on September 14, 2021
Base Map Source: USGS 7.5 Minute Topographic Quadrangle Maps, Botsford, CT (1984), Bridgeport, CT (1984), Long Hill, CT (1984) and Westpord, CT (1975)
Map Date: September 2021

Legend

- Proposed Site
- Study Area (2-Mile Radius)
- Photo Locations (September 14, 2021)
 - Not Visible
 - Visible
 - Predicted Year-Round Visibility (25 Acres)
 - Areas of Potential Seasonal Visibility (126 Acres)
 - Municipal Boundary
- Trail
- Scenic Highway
- DEEP Boat Launches
- Municipal and Private Open Space Property
- State Forest/Park
- Protected Open Space Property
 - Federal
 - Land Trust
 - Municipal
 - Private
 - State

Data Sources:

Physical Geography / Background Data

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

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

Dedicated Open Space & Recreation Areas

Connecticut Department of Energy and Environmental Protection (DEEP): DEEP Property (May 2007; Federal Open Space (1997); Municipal and Private Open Space (1997); DEEP Boat Launches (1994)
Connecticut Forest & Parks Association, Connecticut Walk Books East & West

Other

CTDOT Scenic Strips (based on Department of Transportation data)

Notes

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

EXHIBIT 5

WETLAND INSPECTION

September 7, 2021

APT Project No.: CT14110580

Prepared For: Verizon Wireless
20 Alexander Drive
Wallingford, CT 06492

Site Name: Plattsville Relo CT

Site Address: 5151 Park Avenue, Fairfield, Connecticut

Dates of Investigation: 11/30/18, 02/13/20 & 8/7/2021

Field Conditions: **Weather:** cloudy, mid 30's 12/27/18; lt. rain, mid 40's 2/13/20;
sunny, mid 80's 8/7/21
Soil Moisture: dry to moist

Wetland/Watercourse Delineation Methodology¹:

☒Connecticut Inland Wetlands and Watercourses

Municipal Upland Review Area (Mill River Watershed):

Wetlands: 144 feet

Watercourses: 144 feet

The wetlands inspection was performed by²:



Dean Gustafson, Senior Wetland Scientist

Enclosures: Wetland Inspection Field Form & Wetland Inspection Maps

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

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

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

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

Attachments

- Wetland Inspection Field Form
- Wetland Inspection Maps

Wetland Delineation Field Form

Wetland I.D.:	Wetland 1	
Flag #'s:	WF 1-01 to 1-16 (closed loop)	
Flag Location Method:	Site Sketch <input checked="" type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>

WETLAND HYDROLOGY:

NONTIDAL ☒

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input checked="" type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated – seepage <input type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: Wetland 1 is a constructed 'wet' stormwater basin with periods of artificial flooding.		

TIDAL ☐

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input type="checkbox"/>	Forested <input type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input checked="" type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: None		
Comments: None		

Wetland Delineation Field Form (Cont.)

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
If no, describe field identified soils		

DOMINANT PLANTS:

Broad-Leaf Cattail (<i>Typha latifolia</i>)	Bebb Willow (<i>Salix bebbiana</i>)
American Elm (<i>Ulmus americana</i>)	







* denotes Connecticut Invasive Species Council invasive plant species

GENERAL COMMENTS:

Verizon Wireless is proposing to construct a wireless telecommunications facility ("Facility") at the Sacred Heart University ("SHU") campus in Fairfield, Connecticut in the southwestern corner of the subject property behind the William Pitt Athletic & Convocation Center building within an existing cleared and developed area. Access to the proposed Facility would be from existing paved access roads within the SHU campus and a utility easement would start from Jefferson Street following along the western then southern property boundaries.

The proposed Facility is not located near any wetland or watercourse resources with the nearest wetland located a significant distance of ± 850 feet to the east/northeast. One wetland was identified in proximity to proposed utility easement, identified as Wetland 1. Located ± 27 feet east of the proposed underground utility route, Wetland 1 consists of a constructed 'wet' stormwater basin. This basin was observed to contain pockets of artificial saturation and areas of artificial flooding through stormwater inputs from the adjacent SHU campus. Two culvert outfalls were noted that discharge stormwater into Wetland 1. Wetland 1 side slopes are relatively steep with recent stabilization and erosion controls (e.g., erosion control blankets and silt fence) indicative of its recent construction. The emergency overflow for this detention basin discharges to the north.

Due to the nature and function of this man-made wetland and the proposed underground utility route resulting in only temporary soil disturbance for the installation of utility conduits, no likely adverse effect to Wetland 1 would result from the proposed development activities. This evaluation is conditioned on erosion control measures being properly designed, installed and maintained in accordance with the *2002 Connecticut Guidelines For Soil Erosion and Sediment Control* to avoid any incidental impacts during installation of utility conduits in proximity to Wetland 1.

-  Proposed Verizon Wireless Equipment  Subject Property
 Proposed Verizon Wireless Access Easement
 Proposed Verizon Wireless Utility Easement
 Approximate Field Verified Wetland Boundary
 Approximate Wetland Area

Base Map Source: 2019 Aerial Photograph (CTECO)
Map Scale: 1 inch = 200 feet
Map Date: August 2021



Wetland Inspection Map - Map 1 of 2

Proposed Wireless
Telecommunications Facility
Plattsville Relo CT
5151 Park Avenue
Fairfield, Connecticut





Legend

- Proposed Verizon Wireless Utility Easement
- Wetland Flag
- Delineated Wetland Boundary
- Approximate Wetland Area
- Subject Property
- Approximate Parcel Boundary

Map Notes:

Base Map Source: 2019 Aerial Photograph (CTECO)
Map Scale: 1 inch = 200 feet
Map Date: August 2021



Wetland Inspection Map - Map 2 of 2

Proposed Wireless
Telecommunications Facility
Plattsville Relo CT
5151 Park Avenue
Fairfield, Connecticut

EXHIBIT 6



USFWS & NDDB COMPLIANCE STATUS

September 7, 2021

Verizon Wireless
20 Alexander Drive
Wallingford, CT 06492

Re: Plattsville Relo CT, 5151 Park Avenue, Fairfield, CT
APT Job No: CT14110580

On behalf of Verizon Wireless, All-Points Technology Corporation, P.C. ("APT") performed an evaluation with respect to possible federally- and state-listed, threatened, endangered or special concern species in order to determine if the proposed referenced communications facility ("Facility") would result in a potential adverse effect to listed species.

APT understands that Verizon Wireless proposes the construction of a telecommunication facility at the Sacred Heart University ("SHU") campus in Fairfield, Connecticut in the southwestern corner of the subject property behind the William Pitt Athletic & Convocation Center building within an existing cleared and developed ("Subject Property").

USFWS

The federal consultation was completed in accordance with Federal Communications Commission ("FCC") rules implementing the National Environmental Policy Act ("NEPA") and Section 7 of the Endangered Species Act through the U.S. Fish and Wildlife Service's ("USFWS") Information, Planning, and Conservation System ("IPaC"). Based on the results of the IPaC review, one federally listed¹ threatened species is known to occur in the vicinity of the subject property documented as the northern long-eared bat ("NLEB"; *Myotis septentrionalis*). As a result of this preliminary finding, APT performed an evaluation to determine if the proposed referenced Facility would result in a likely adverse effect to NLEB.

The proposed Facility would be located within a cleared and developed area that will require minimal tree clearing with the proposed underground utility easement requiring some tree removal; trees could potentially support NLEB habitat. A review of the Connecticut Department of Energy & Environmental Protection ("CTDEEP") Wildlife Division Natural Diversity Data Base ("NDDB") NLEB habitat map² revealed that the proposed Facility is not within 150 feet of a known occupied NLEB maternity roost tree and is not within 0.25 mile of a known NLEB hibernaculum. The nearest NLEB habitat resource to the proposed Facility is located \pm 21.5 miles to the southwest in Greenwich.

APT submitted the effects determination using the NLEB key within the IPaC system for the proposed Facility (the "Action"). This IPaC key assists users in determining whether a Federal action is consistent

¹ Listing under the federal Endangered Species Act

² *Northern long-eared bat areas of concern in Connecticut to assist with Federal Endangered Species Act Compliance map*. February 1, 2016.

with the activities analyzed in the USFWS's January 5, 2016, intra-Service Programmatic Biological Opinion ("PBO") on the Final 4(d) Rule for the NLEB for Section 7(a)(2) compliance.

Based upon the IPaC submission, the Action is consistent with activities analyzed in the PBO; please refer to the enclosed August 11, 2021, USFWS letter. The Action may affect NLEB; however, any take that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o). If the USFWS does not respond within 30 days from the date of the letter (September 10, 2021), one may presume that the IPaC-assisted determination was correct and that the PBO satisfies and concludes Verizon's responsibilities for this Action under ESA Section 7(a)(2) with respect to NLEB. Based on the lack of potential NLEB habitat associated with the proposed Action and the significant distance from the nearest NLEB hibernacula, APT does not anticipate a response from USFWS and therefore the Action would comply with ESA Section 7(a)(2) with respect to NLEB. Any response received from USFWS will be forwarded upon receipt.

In addition, Verizon Wireless would consider the following additional USFWS voluntary conservation measures, as encouraged in the April 29, 2016 FCC Public Notice³, where appropriate and as the project schedule allows, to reduce the potential impacts of activities on NLEB.

- Conduct tree removal activities outside of the NLEB pup season (June 1-July 31) and active season (April 1-October 31) to minimize impacts to pups at roosts not yet identified.
- Avoid clearing suitable spring staging and fall swarming habitat within a five-mile radius of known or assumed NLEB hibernacula during the staging and swarming seasons (April 1-May 15 and August 15-November 14, respectively). *Not applicable: site is located > 5 miles from the nearest hibernacula.*
- Maintain dead trees (snags) and large trees when possible.
- Use herbicides and pesticides only if unavoidable. If necessary, spot treatment is preferred over aerial application.
- Minimize exterior lighting, opting for down-shielded, motion-sensor security lights instead of constant illumination.

NDDB

No known areas of state-listed species are currently depicted on the most recent CTDEEP NDDB Maps in the location of the proposed Verizon Wireless Facility or immediately adjacent to the proposed development activities. Please refer to the enclosed NDDB Map which depicts the nearest NDDB buffer ±0.37 mile southwest of the Facility. Since the proposed Facility and Subject Property are not located within a NDDB buffer area, consultation with DEEP is not required in accordance with their review policy⁴ or the Connecticut Siting Council's review policy.

³ Federal Communications Commission. *Tower Construction Guidance for Protection of Northern Long-Eared Bat Under the Endangered Species Act*. Public Notice DA 16-476. April 29, 2016.

⁴ DEEP Requests for NDDB State Listed Species Reviews.

http://www.ct.gov/deep/cwp/view.asp?a=2702&q=323466&deepNav_GID=1628%20

Therefore, the proposed Verizon Wireless development is not anticipated to adversely impact any federal or state threatened, endangered species or species of special concern.

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

A handwritten signature in blue ink that reads "Dean Gustafson". The signature is fluid and cursive, with the first name "Dean" and last name "Gustafson" clearly legible.

Dean Gustafson
Senior Biologist

Enclosures

USFWS NLEB Letter



United States Department of the Interior

FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
Phone: (603) 223-2541 Fax: (603) 223-0104
<http://www.fws.gov/newengland>



IPaC Record Locator: 727-104692622

August 11, 2021

Subject: Consistency letter for the 'VZW: Plattsville Relo CT' project indicating that any take of the northern long-eared bat that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o).

Dear Deborah Gustafson:

The U.S. Fish and Wildlife Service (Service) received on August 11, 2021 your effects determination for the 'VZW: Plattsville Relo CT' (the Action) using the northern long-eared bat (*Myotis septentrionalis*) key within the Information for Planning and Consultation (IPaC) system. You indicated that no Federal agencies are involved in funding or authorizing this Action. This IPaC key assists users in determining whether a non-Federal action may cause “take”^[1] of the northern long-eared bat that is prohibited under the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.).

Based upon your IPaC submission, any take of the northern long-eared bat that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o). Unless the Service advises you within 30 days of the date of this letter that your IPaC-assisted determination was incorrect, this letter verifies that the Action is not likely to result in unauthorized take of the northern long-eared bat.

Please report to our office any changes to the information about the Action that you entered into IPaC, the results of any bat surveys conducted in the Action area, and any dead, injured, or sick northern long-eared bats that are found during Action implementation.

If your Action proceeds as described and no additional information about the Action’s effects on species protected under the ESA becomes available, no further coordination with the Service is required with respect to the northern long-eared bat.

[1]Take means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct [ESA Section 3(19)].

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

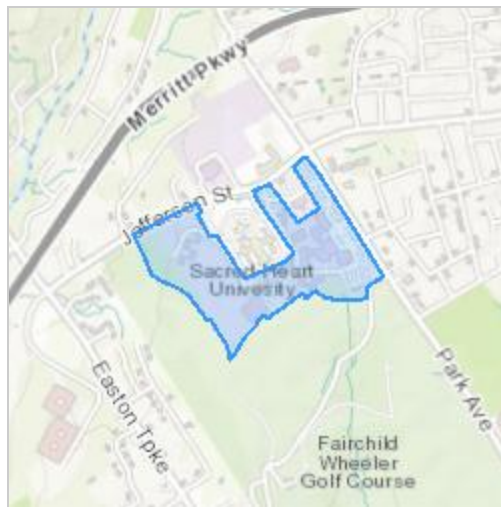
VZW: Plattsville Relo CT

2. Description

The following description was provided for the project 'VZW: Plattsville Relo CT':

Verizon Wireless proposes the construction of a telecommunication facility at Sacred Heart University.

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@41.221139699999995,-73.24758809421752,14z>

**Determination Key Result**

This non-Federal Action may affect the northern long-eared bat; however, any take of this species that may occur incidental to this Action is not prohibited under the final 4(d) rule at 50 CFR §17.40(o).

Determination Key Description: Northern Long-eared Bat 4(d) Rule

This key was last updated in IPaC on **May 15, 2017**. Keys are subject to periodic revision.

This key is intended for actions that may affect the threatened northern long-eared bat.

The purpose of the key for non-Federal actions is to assist determinations as to whether proposed actions are excepted from take prohibitions under the northern long-eared bat 4(d) rule.

If a non-Federal action may cause prohibited take of northern long-eared bats or other ESA-listed animal species, we recommend that you coordinate with the Service.

Determination Key Result

Based upon your IPaC submission, any take of the northern long-eared bat that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o).

Qualification Interview

1. Is the action authorized, funded, or being carried out by a Federal agency?

No

2. Will your activity purposefully **Take** northern long-eared bats?

No

3. [Semantic] Is the project action area located wholly outside the White-nose Syndrome Zone?

Automatically answered

No

4. Have you contacted the appropriate agency to determine if your project is near a known hibernaculum or maternity roost tree?

Location information for northern long-eared bat hibernacula is generally kept in state Natural Heritage Inventory databases – the availability of this data varies state-by-state. Many states provide online access to their data, either directly by providing maps or by providing the opportunity to make a data request. In some cases, to protect those resources, access to the information may be limited. A web page with links to state Natural Heritage Inventory databases and other sources of information on the locations of northern long-eared bat roost trees and hibernacula is available at www.fws.gov/midwest/endangered/mammals/nleb/nhisites.html.

Yes

5. Will the action affect a cave or mine where northern long-eared bats are known to hibernate (i.e., hibernaculum) or could it alter the entrance or the environment (physical or other alteration) of a hibernaculum?

No

6. Will the action involve Tree Removal?

Yes

7. Will the action only remove hazardous trees for the protection of human life or property?

No

8. Will the action remove trees within 0.25 miles of a known northern long-eared bat hibernaculum at any time of year?

No

9. Will the action remove a known occupied northern long-eared bat maternity roost tree or any trees within 150 feet of a known occupied maternity roost tree from June 1 through July 31?

No

Project Questionnaire

If the project includes forest conversion, report the appropriate acreages below. Otherwise, type '0' in questions 1-3.

1. Estimated total acres of forest conversion:

0.2

2. If known, estimated acres of forest conversion from April 1 to October 31

0.2

3. If known, estimated acres of forest conversion from June 1 to July 31

0.2

If the project includes timber harvest, report the appropriate acreages below. Otherwise, type '0' in questions 4-6.

4. Estimated total acres of timber harvest

0

5. If known, estimated acres of timber harvest from April 1 to October 31

0

6. If known, estimated acres of timber harvest from June 1 to July 31

0

If the project includes prescribed fire, report the appropriate acreages below. Otherwise, type '0' in questions 7-9.

7. Estimated total acres of prescribed fire

0

8. If known, estimated acres of prescribed fire from April 1 to October 31

0

9. If known, estimated acres of prescribed fire from June 1 to July 31

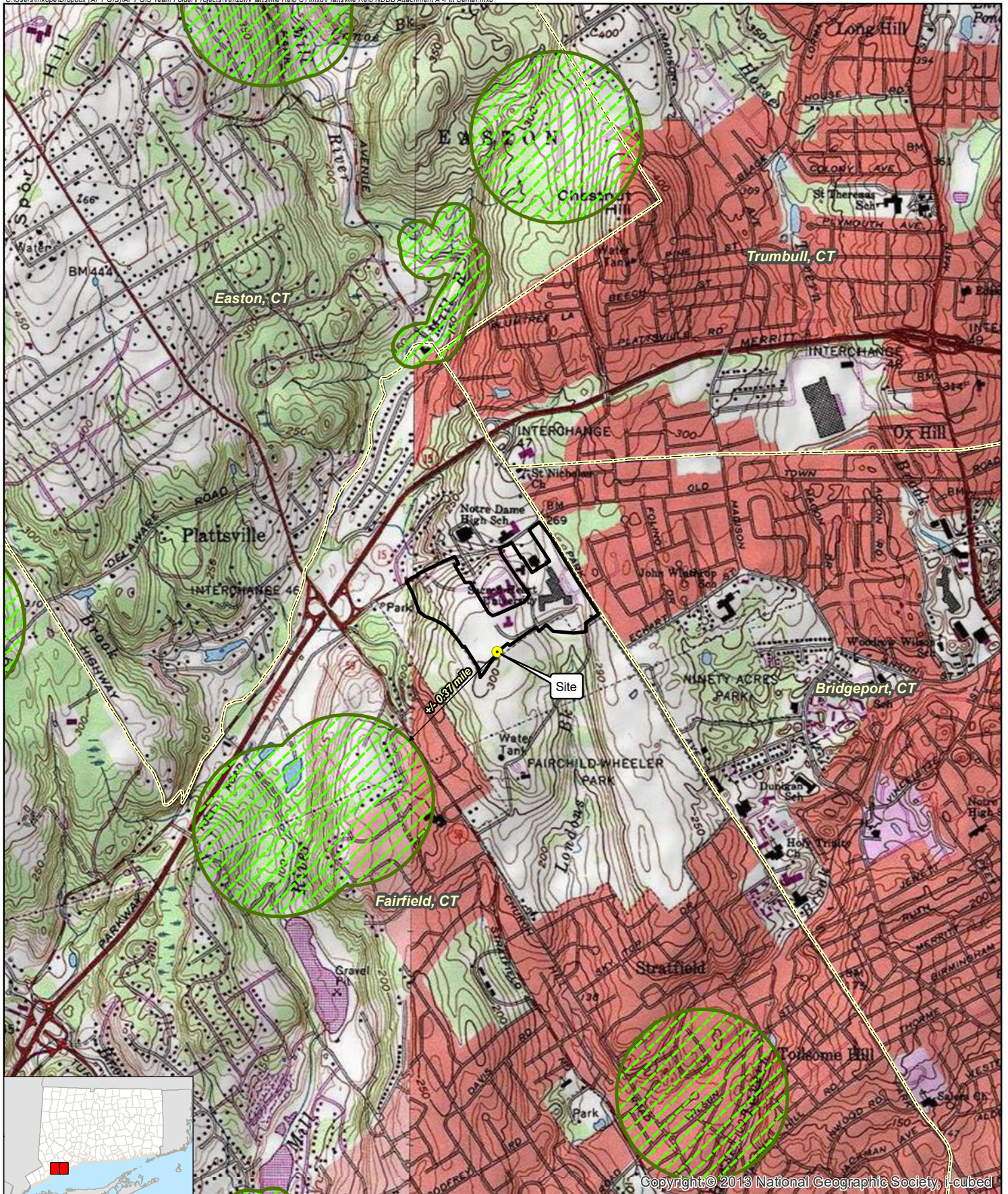
0

If the project includes new wind turbines, report the megawatts of wind capacity below. Otherwise, type '0' in question 10.

10. What is the estimated wind capacity (in megawatts) of the new turbine(s)?

0

NDDDB Map



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Legend

- Proposed Tower
- Subject Property
- Natural Diversity Database (updated June 2021)
- Municipal Boundary

Map Notes:
Base Map Source: USGS 7.5 Minute Topographic
Quadrangle Maps, Bridgeport, CT (1984) and Westport, CT (1975)
Map Scale: 1:50,000
Map Date: August 2021



1,000 500 0 1,000
Feet

NDDB Map

Proposed Wireless
Telecommunications Facility
Plattsville Relo CT
5151 Park Avenue
Fairfield, Connecticut

verizon

ALL-POINTS
TECHNOLOGY CORPORATION

EXHIBIT 7



**PRELIMINARY HISTORIC
RESOURCES DETERMINATION**

November 17, 2021

**Verizon Wireless
20 Alexander Drive
Wallingford, Connecticut 06492**

**Re: Proposed Telecommunications Facility
5151 Park Avenue
Fairfield, Connecticut**

On behalf of Verizon Wireless, All-Points Technology Corporation, P.C. ("APT") performed an evaluation with respect to the proposed Facility's potential effects on historic resources proximate to the referenced project site.

APT completed an independent review of the National Register of Historic Places ("NRHP") and SHPO files to determine if any listed sites, or sites eligible for listing, are located proximate to the Site. The results of our review revealed that one such resource is located within one-half mile of the site.¹ The Merritt Parkway, designated a National Scenic Byway and listed on the NRHP, is located north of the proposed site. No views of the Facility are anticipated from the Merritt Parkway. A cultural resource screening map is provided as an attachment to this memorandum.

As part of its obligations for compliance with the National Environmental Policy Act ("NEPA"), Verizon Wireless will be submitting required documentation to the State Historic Preservation Office ("SHPO") for this agency's review and determination. The SHPO submission will be prepared by a qualified architectural historian that meets criteria developed by the Secretary of the Interior. That process has not yet been initiated.

Sincerely,

Brian Gaudet
Project Manager

Attachment

¹ For towers under 200 feet tall, the Area of Potential Effect ("APE") has been established at 0.5 mile. This distance represents the APE established cooperatively by the Federal Communications Commission, Advisory Council on Historic Preservation and the National Conference of State Historic Preservation Officers.

Cultural Resource Screening Map



Cultural Resources Screen

CT14110580 Plattsville - 5151 Park Ave, Fairfield Ct, 06825

September 1, 2021 \ USGS QUAD: Bridgeport

0 500 1,000 2,000 Feet

Prepared for All-Points Technology Corp. by Heritage Consultants, 2021

EXHIBIT 8

Site Name: **PLATTSVILLE CT RELO**
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	1122	4488	95	0.0179	0.5007	3.57%
VZW CDMA	876.03	2	461	922	95	0.0037	0.5840	0.63%
VZW Cellular	874	4	715	2858	95	0.0114	0.5827	1.95%
VZW PCS	1980	4	1778	7113	95	0.0283	1.0000	2.83%
VZW AWS	2120	4	2344	9377	95	0.0374	1.0000	3.74%
VZW CBRS	3625	4	11	42	68.5	0.0003	1.0000	0.03%
VZW CBAND	3730.08	2	22131	44262	68.5	0.3392	1.0000	33.92%
Total Percentage of Maximum Permissible Exposure								46.68%

*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.