

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE: :
: :
A PETITION OF CELLCO PARTNERSHIP : PETITION NO. ____
D/B/A VERIZON WIRELESS FOR A :
DECLARATORY RULING THAT THE :
INSTALLATION OF A SMALL CELL :
TELECOMMUNICATIONS FACILITY AT :
1187 EAST MAIN STREET (ROUTE 66), :
MERIDEN, CONNECTICUT WILL NOT :
HAVE A SUBSTANTIAL ADVERSE : NOVEMBER 14, 2017
ENVIRONMENTAL EFFECT :

PETITION FOR A DECLARATORY RULING:
INSTALLATION HAVING NO
SUBSTANTIAL ADVERSE ENVIRONMENTAL EFFECT

I. Introduction

Pursuant to Sections 16-50j-38 and 16-50j-39 of the Regulations of Connecticut State Agencies (“R.C.S.A.”), Cellco Partnership d/b/a Verizon Wireless (“Cellco”) hereby petitions the Connecticut Siting Council (the “Council”) for a declaratory ruling (“Petition”) that the installation of a “small cell” telecommunications facility at 1187 East Main Street (Route 66), Meriden, Connecticut (the “Property”) will not have a substantial adverse environmental effect and, pursuant to Section 16-50k(a) of the Connecticut General Statutes (“C.G.S.”), does not require the issuance of a Certificate of Environmental Compatibility and Public Need (“Certificate”). The Property is owned by J&J Meriden LLC and is used for commercial (Automotive Dealership) purposes. Cellco refers to the proposed facility as its “Meriden SC6 Facility”.

II. Factual Background

The Property is an approximately 2.51-acre parcel in Meriden’s Commercial (C-2) zone district and is surrounded by commercial uses to the south, east, west and northwest and

residential uses to the northeast. *See* Attachment 1 – Site Vicinity Map and Site Schematic (Aerial Photograph). Cellco is licensed to provide wireless telecommunications services in the 700 MHz, 850 MHz, 1900 MHz and 2100 MHz frequency ranges in Meriden and throughout the State of Connecticut. Initially, the proposed Meriden SC6 Facility will provide wireless service in Cellco’s 2100 MHz frequency range only.

A. Proposed Meriden SC6 Facility

The proposed Meriden SC6 Facility would consist of a single tower mast attached to the façade in the southeasterly corner of the building. The tower mast would support a single canister antenna (Model NH360QS-DG-F0M). The top of the canister antenna would extend to a height of approximately 20’-10” above ground level (AGL). Additional facility equipment including a remote radio head (“RRH”) (Model B66-RRH4x45) will be located within an 8’ x 8’ fenced compound area along the east side of the building. (*See* Cellco’s Project Plans included in Attachment 2). Power and telephone service to the Meriden SC6 Facility will extend from existing service at the Property. Specifications for the Meriden SC6 Facility antenna and RRH are included in Attachment 3.

III. Discussion

A. The Proposed Facility Modifications Will Not Have A Substantial Adverse Environmental Effect

The Public Utility Environmental Standards Act (the “Act”), C.G.S. § 16-50g et seq., provides for the orderly and environmentally compatible development of telecommunications towers in the state to avoid “a significant impact on the environment and ecology of the State of Connecticut.” C.G.S. § 16-50g. To achieve these goals, the Act established the Council, and requires a Certificate of Environmental Compatibility and Public Need for the construction of cellular telecommunication towers “that may, as determined by the Council, have a substantial

adverse environmental effect”. C.G.S. § 16-50k(a).

1. Physical Environmental Effects

Cellco respectfully submits that the installation of a small tower mast attached to the existing commercial building, supporting a single canister antenna and the installation of a RRH and related equipment as described above, will not involve a significant alteration in the physical and environmental characteristics of the Property. No tree removal or new ground disturbance will be required to establish the Meriden SC6 Facility.

2. Visual Effects

The visibility of the proposed “small cell” facility would be limited to locations primarily on the Property and on the adjacent commercial parcel to the southeast. (See Visual Analysis) included in Attachment 4). Based on the results of a Visual Analysis, Cellco has determined that the proposed “small cell” facility will not have an adverse visual impact on the views of the building or the character of the surrounding community.

3. FCC Compliance

Radio frequency (“RF”) emissions from the proposed installation will be well below the standards adopted by the Federal Communications Commission (“FCC”). Included in Attachment 5 is a General Power Density table for Cellco’s “small cell” antenna at a centerline height of approximately 19.66 feet AGL. This calculation indicates that the Meriden SC6 Facility will operate well within (65.87% of the standard) the RF emission standards established by the FCC.

4. FAA Summary Report

Included in Attachment 6 of this Petition is a Federal Airways & Airspace Summary Report verifying that the new tower mast and antenna described in this Petition would not

constitute an obstruction or hazard to air navigation and that notification to the FAA is not required.

B. Notice to the City, Property Owner and Abutting Landowners


On November 14, 2017, a copy of this Petition was sent to Meriden Mayor, Kevin Scarpati; Bob Seale, Meriden's Director of Development and Enforcement; and J&J Meriden LLC, the owner of the Property. Notice of Cellco's intent to file the Petition was also sent to the owners of land that abuts the Property. Included in Attachment 7 are copies of the letters sent to Mayor Scarpati, Mr. Seale and J&J Meriden LLC. Included in Attachment 8 is a sample abutter's letter and the list of those abutting landowners who were sent notice of the filing of the Petition.

IV. Conclusion

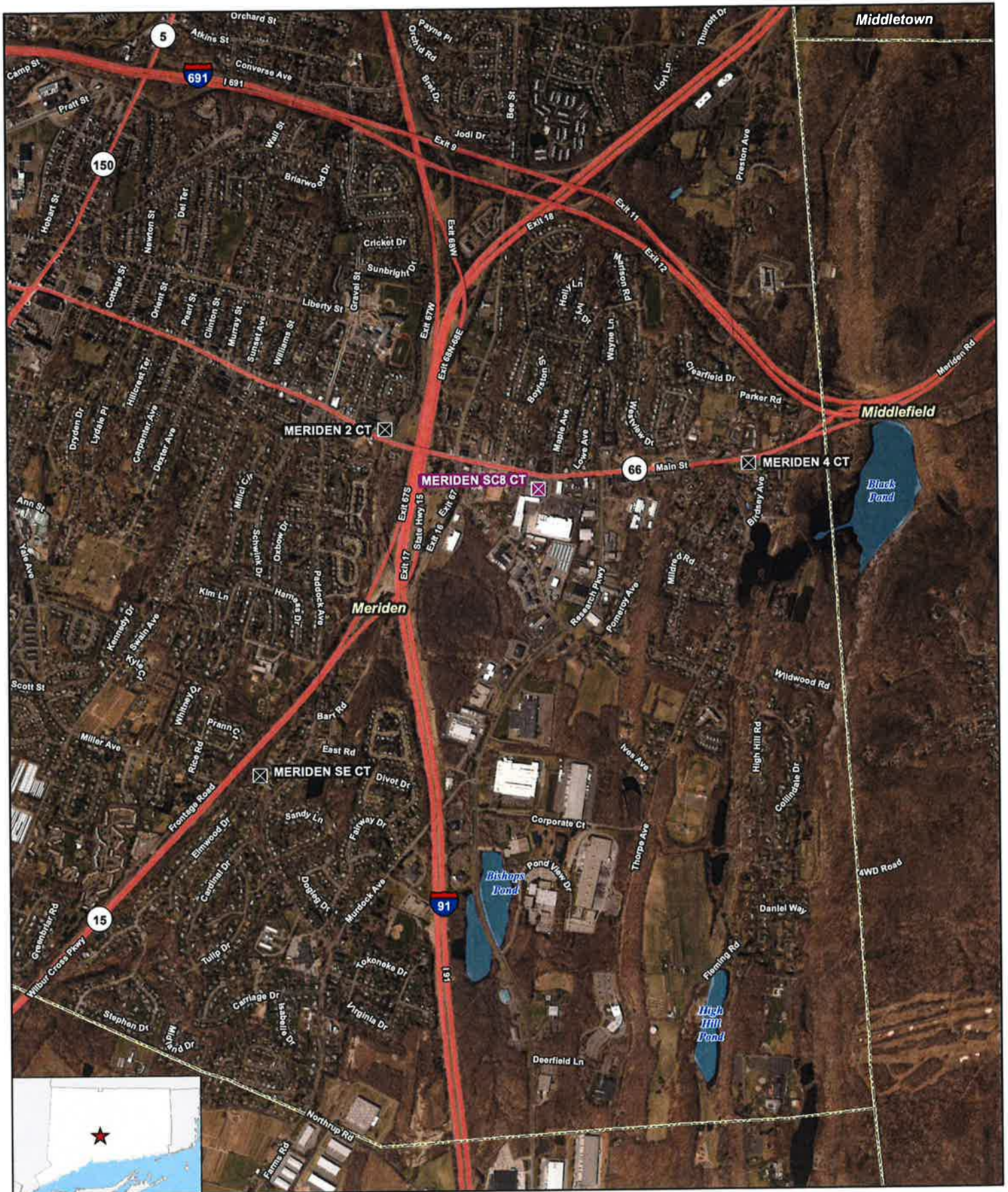
Based on the information provided above, Cellco respectfully requests that the Council issue a determination in the form of a declaratory ruling that the installation of a tower mast used to support a "small cell" wireless antenna and related radio equipment will not have a substantial adverse environmental effect and does not require the issuance of a Certificate of Environmental Compatibility and Public Need pursuant to § 16-50k of the General Statutes.

Respectfully submitted,

CELLCO PARTNERSHIP d/b/a VERIZON
WIRELESS

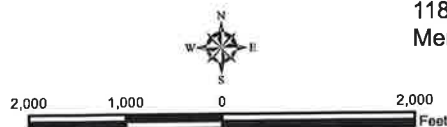
By 
Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103-3597
(860) 275-8200
Its Attorneys

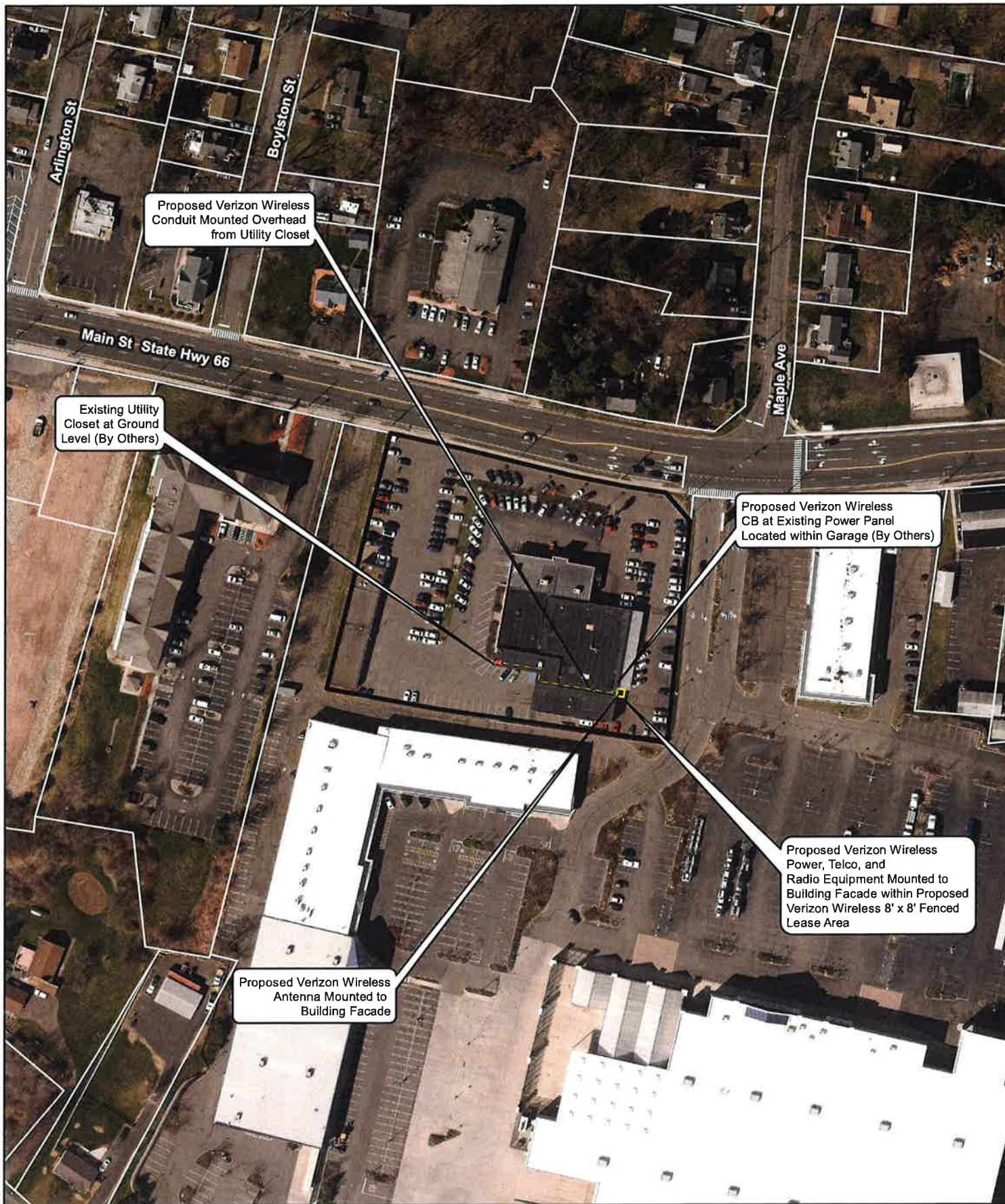
ATTACHMENT 1



- Legend**
- ✕ Proposed Verizon Wireless Facility
 - ⊠ Surrounding Verizon Wireless Facilities
 - ▭ Municipal Boundary

Site Vicinity Map
 Proposed Wireless Telecommunications Facility
 Meriden SC6 CT
 1187 East Main Street
 Meriden, Connecticut





Legend

- Proposed Verizon Wireless Equipment
- Proposed Verizon Wireless Fenced/Lease Area
- Proposed Verizon Wireless Conduit
- Existing Equipment (By Others)
- Existing Utility Closet (By Others)
- Host Property
- Approximate Parcel Boundary (CTDEEP)

Map Notes:
 Base Map Source: 2016 Aerial Photograph (CTECO)
 Map Scale: 1 inch = 150 feet
 Map Date: October 2017



Site Schematic

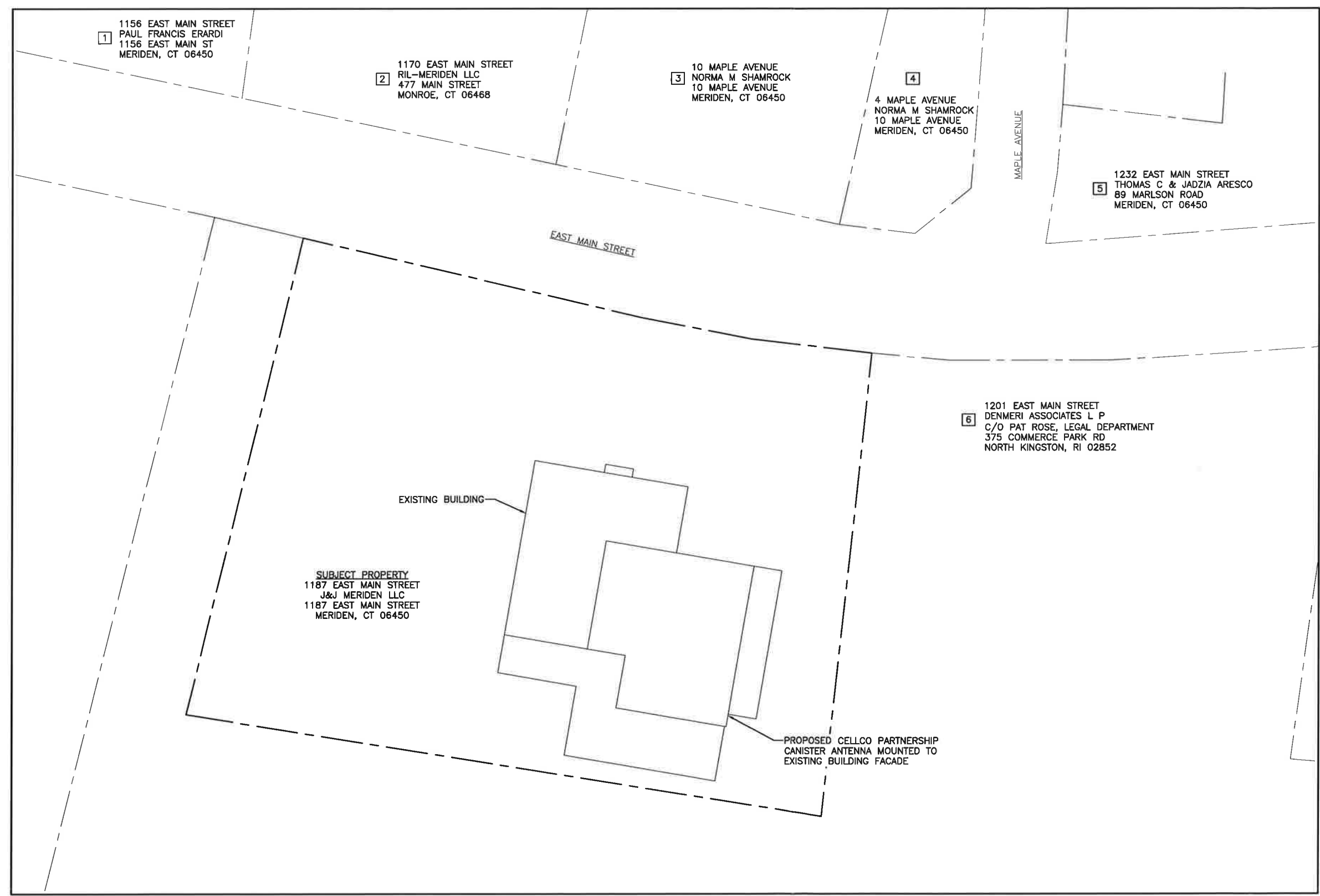
Proposed Wireless
 Telecommunications Facility
 Meriden SC6 CT
 1187 East Main Street
 Meriden, Connecticut



ATTACHMENT 2

NOTES:

1. SITE PLAN IS NOT THE RESULT OF A SURVEY. IT IS BASED ON EXISTING PARCEL MAPS AVAILABLE FROM THE CITY/TOWN GIS DATABASE.
2. ALL INFORMATION SHOWN IS APPROXIMATE ONLY AND SUBJECT TO ANY CONDITION THAT A SURVEY MAY REVEAL.



APPROX. NORTH

2 **ABUTTERS MAP**
SCALE: 1" = 200'



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PREPARED BY:
NEXIUS
TRANSFORM YOUR BUSINESS THROUGH WIRELESS
A&E OFFICE:
7A LYBERTY WAY
WESTFORD, MA 01886
1 (972) 755-1882

APPLICANT:
verizon
CELLCO PARTNERSHIP d/b/a
VERIZON WIRELESS
99 EAST RIVER DRIVE
EAST HARTFORD, CT 06108



DocuSigned by:
Michael R. Shader
B440F878BF774C1...
11/7/2017

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

SUBMITTALS			
REV	DATE	DESCRIPTION	BY
0	10/17/17	FINAL CSC DRAWINGS	KT
1	11/03/17	REVISED PER COMMENTS	KT
2	11/07/17	REVISED PER COMMENTS	KT

SITE INFO:
SITE NAME:
MERIDEN SC6 CT
LOCATION CODE:
318906
SITE ADDRESS:
**1187 EAST MAIN STREET
MERIDEN, CT 06450**

SHEET TITLE:
ABUTTERS MAP

NEXIUS PROJ. NO: VZ11509	SHEET NUMBER: A-1
CHECKED BY: MS	
CHECKED BY DATE: 11/07/17	

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TRANSFORM YOUR BUSINESS...THROUGH WIRELESS
A&E OFFICE:
7A LYBERTY WAY
WESTFORD, MA 01886
1 (972) 755-1882

APPLICANT:
verizon
CELLCO PARTNERSHIP d/b/a
VERIZON WIRELESS
99 EAST RIVER DRIVE
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DocuSigned by:
Michael R. Snader
B440F878BF774C1...
11/7/2017

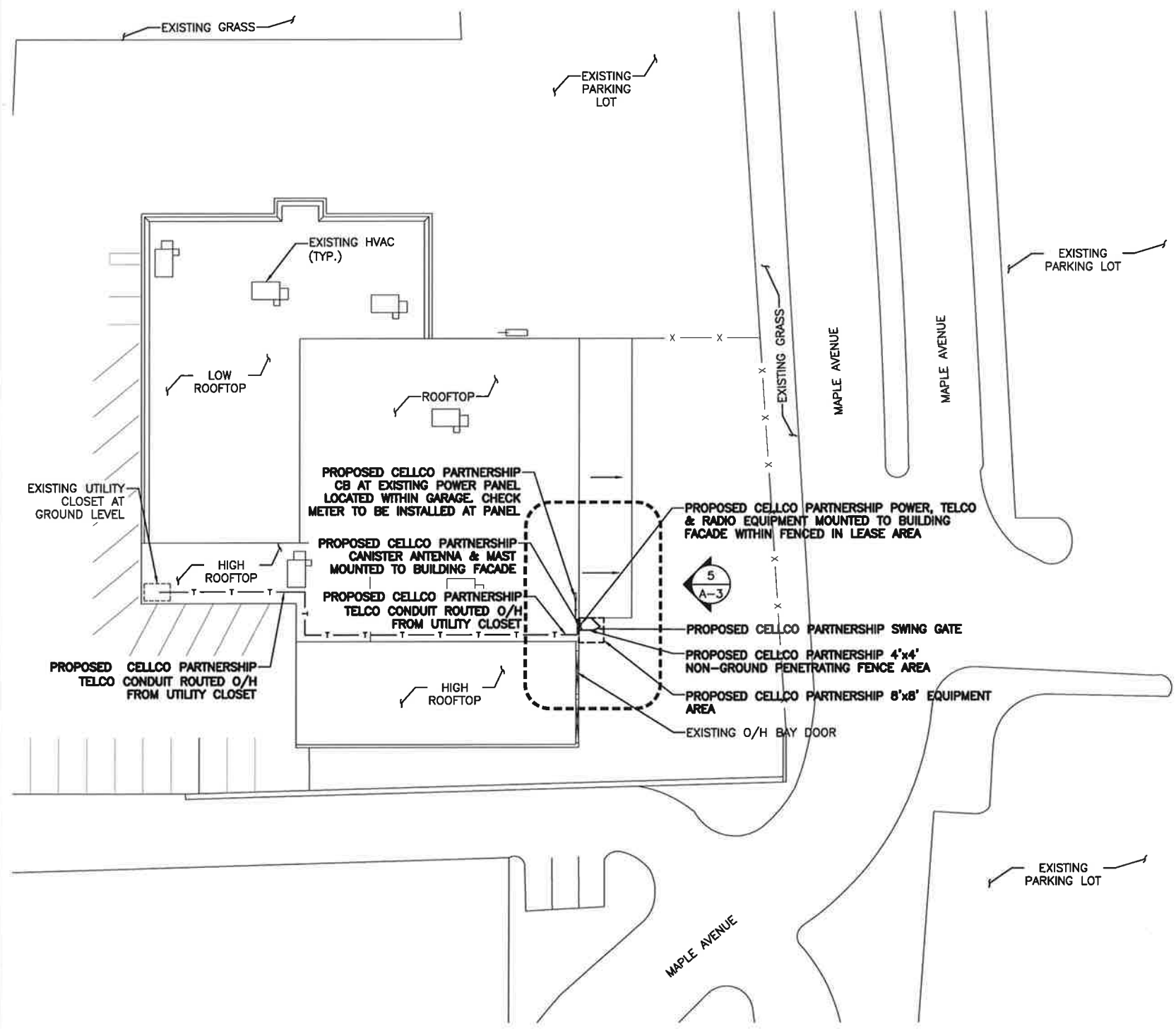
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SUBMITTALS			
REV	DATE	DESCRIPTION	BY
0	10/17/17	FINAL CSC DRAWINGS	KT
1	11/03/17	REVISED PER COMMENTS	KT
2	11/07/17	REVISED PER COMMENTS	KT

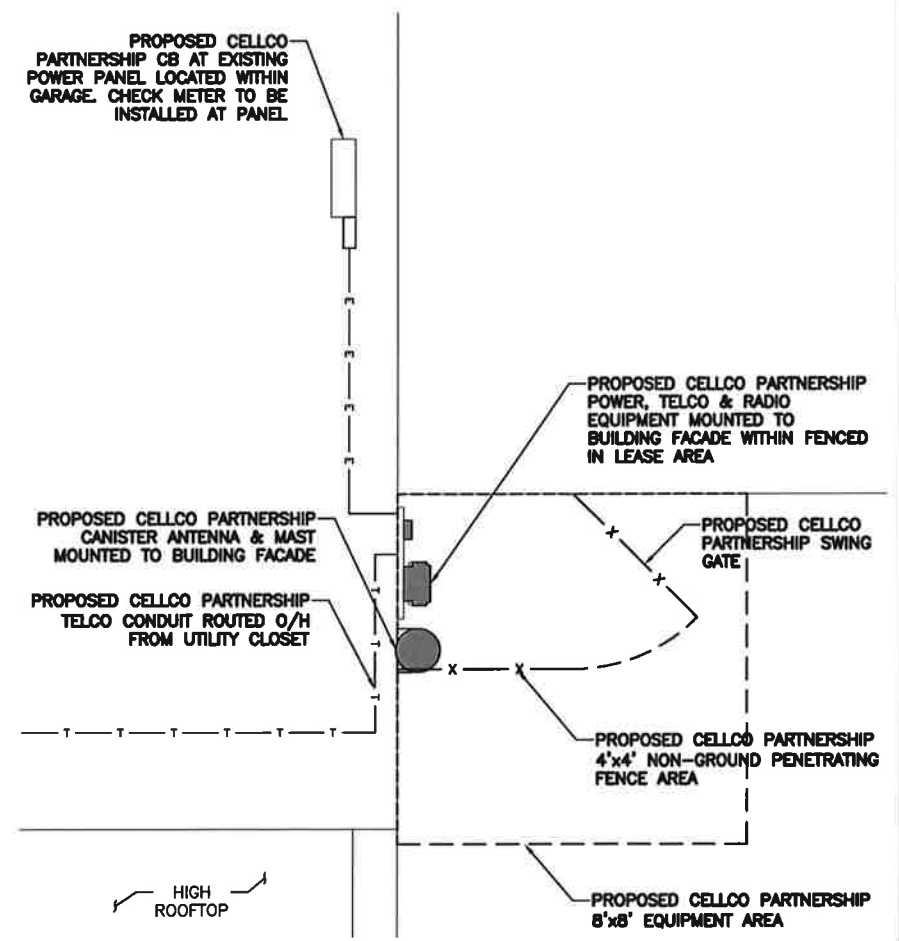
SITE INFO:
SITE NAME:
MERIDEN SC6 CT
LOCATION CODE:
318906
SITE ADDRESS:
**1187 EAST MAIN STREET
MERIDEN, CT 06450**

SHEET TITLE:
SITE PLAN

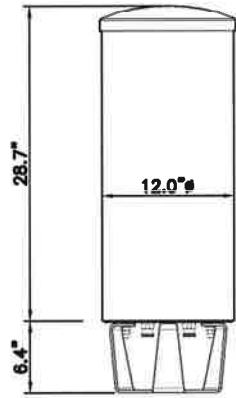
NEXIUS PROJ. NO: VZ11509	SHEET NUMBER: A-2
CHECKED BY: MS	
CHECKED BY DATE: 11/07/17	



① **SITE PLAN**
SCALE: 1" = 20'
GRAPHIC SCALE: 1"=20'
APPROX. NORTH

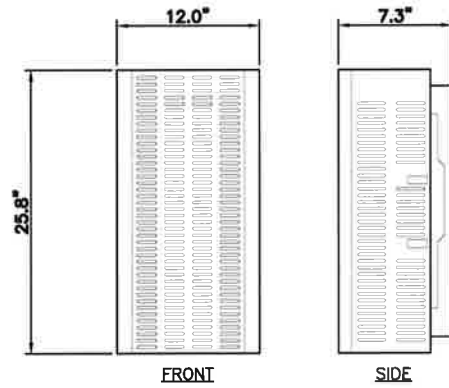


② **LEASE AREA DETAIL**
SCALE: 1/2" = 1'-0"
GRAPHIC SCALE: 1/2"=1'-0"
APPROX. NORTH

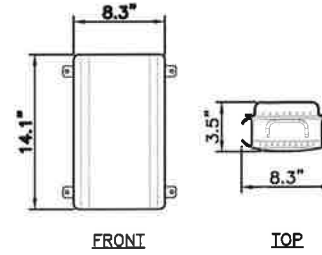


ANTENNA SPECIFICATIONS	
DIMENSIONS	12.0" x 28.7"
WEIGHT	26.7 LBS

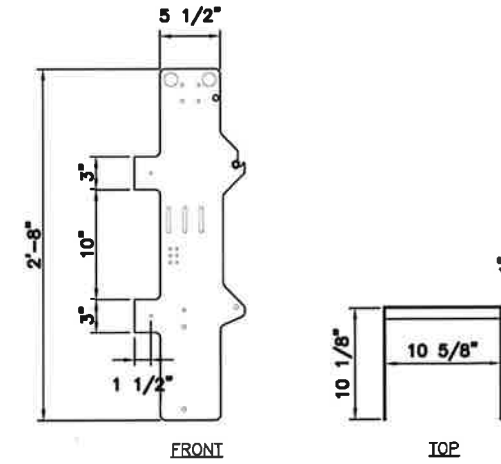
① ANTENNA SPEC
SCALE: N.T.S.



② RRH SPEC
SCALE: N.T.S.



③ AC/DC CONVERTOR SPEC
SCALE: N.T.S.



④ EQUIPMENT MOUNTING BRACKET
SCALE: N.T.S.

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SUBMITTALS

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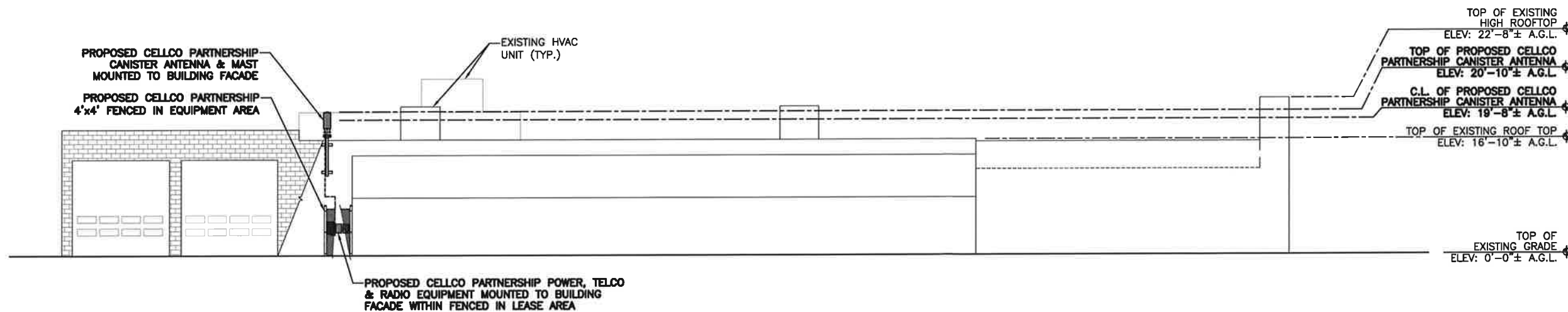
SITE INFO:

SITE NAME:
MERIDEN SC6 CT
LOCATION CODE:
318906
SITE ADDRESS:
**1187 EAST MAIN STREET
MERIDEN, CT 06450**

SHEET TITLE:

ELEVATION & DETAILS

NEXIUS PROJ. NO: VZ11509	SHEET NUMBER: A-3
CHECKED BY: MS	
CHECKED BY DATE: 11/07/17	



⑤ WEST ELEVATION
SCALE: 1/8" = 1'-0"

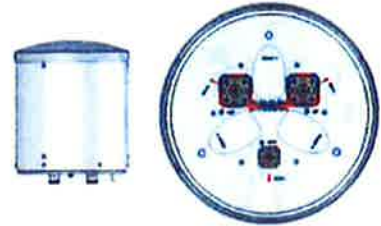
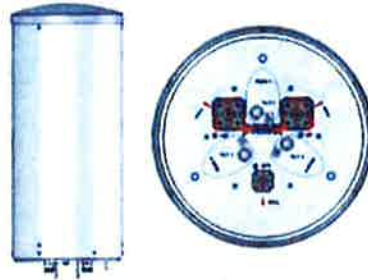
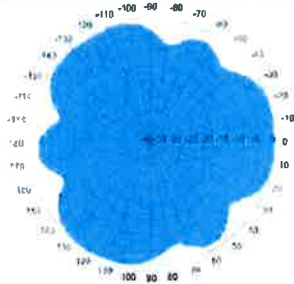


ATTACHMENT 3

Metro Cell Antennas with Internal Diplexer and GPS Antenna

Dualband Quasi-Omni (360°), Metro Cell Antenna

NH360QS-DG-F0M NH360QT-DG-F0



ELECTRICAL SPECIFICATIONS										
Operating Frequency Range	698 - 896 and 1710 - 2170 MHz					698 - 896 and 1710 - 2170 MHz				
Frequency Bands, MHz	698 - 806	806 - 896	1710 - 1880	1850 - 1990	1920 - 2170	698 - 806	806 - 896	1710 - 1880	1850 - 1990	1920 - 2170
Polarization	±45°	±45°	±45°	±45°	±45°	±45°	±45°	±45°	±45°	±45°
Gain, dBi	4.3	5.3	8.0	8.1	8.5	1.3	2.3	4.0	4.2	4.5
Beamwidth, Horizontal, degrees	360	360	360	360	360	360	360	360	360	360
Beamwidth, Vertical, degrees	30.0	24.0	16.0	15.0	14.0	60.0	55.0	32.5	30.0	28.5
USLS, dB	12	12	14	13	13	-	-	14	12	11
Beam Tilt, degrees	0	0	0-16	0-16	0-16	0	0	0	0	0
Isolation, dB	25	25	25	25	25	25	25	25	25	25
VSWR (Return Loss, dB)	1.5 (14.0)	1.5 (14.0)	1.5 (14.0)	1.5 (14.0)	1.5 (14.0)	1.5 (14.0)	1.5 (14.0)	1.5 (14.0)	1.5 (14.0)	1.5 (14.0)
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150	-150	-150	-150	-150	-150
Input Power per Port, maximum, watts	250	250	250	250	250	250	250	250	250	250
MECHANICAL SPECIFICATIONS										
Connector Interface	7 - 16 DIN Female					7 - 16 DIN Female				
Connector Quantity, Location	2, Bottom					2, Bottom				
GPS Connector Interface	4.1/9.5 DIN Female					4.1/9.5 DIN Female				
GPS Connector Quantity, Location	1, Bottom					1, Bottom				
Length, mm (inch)	730 (28.7)					360 (14.2)				
Outer Diameter, mm (inch)	305 (12.0)					305 (12.0)				
Wind Speed, maximum, km/h (mph)	241.4 (150)					241.4 (150)				
Net Weight, kg (lb)	20.0 (44.1)					12.0 (26.5)				
AVAILABILITY										
Expected Ready Date for Manufacturing	March 2014					June 2014				

B66a RRH4x45W

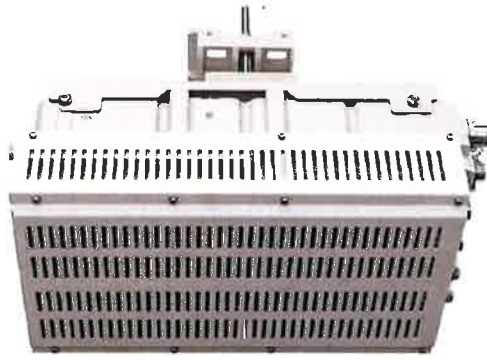
Datasheet

Radio Technology

FDD-LTE

Feature description:

- Remote Radio Head 4x45W or 2x90W Switchable via SW



Power Output 4 x 45 W or 2x90W (SW Switchable)
w/o fans

IBW 70MHz

OBW 60 MHz

RF Sharing LTE

Mass/Volume 25.8kg/56.9 lb Weight
655H x 299W x 182D mm
25.8"x11.8"x7.2"
29.7L / 35.5L

Antenna Conf. 4Tx/4Rx

Temperature -40 to 55 °C

IP class IP65

Input Power DC 48 V

Cooling Natural Convection

Mounting Wall, Pole mount

BBU connection 2x 9.8Gbps SFP(Rate 7 HW ready)

B66a RRH 4x45 – Interfaces

Power:

- Max power: 816W (add 58W for AISG)
- Breaker size: 25A
- Max distance with 6ga power feed and 5.5V drop: 284 feet

RF Interfaces:

- 4.3/10 Connectors
- No monitoring ports(Spectrum analyzer SW takes place of monitoring ports)

AISG:

- Two Smart Bias-T
- One AISG port

B66 Details

- Max power for a single carrier is:
 - 2x60W for 10,15,20 MHz carrier
 - 2x40W for 5 MHz carrier
- Multi- Carrier Support with AWS-1 carriers: 15.1
- Multi- Carrier Support with AWS-3 carriers: 16.2

Carrier power: Multi-carrier

- Assuming 2 Tx power can be assigned per carrier subject to 40W max for 5Mhz, 60W for larger in 2T, cut that power in half for 4T
- Example:B4 (20Mhz) and AWS3 (10MHz)
 - Power can be varied between those two carriers, can go 60W for 20 MHz carrier, 30W for 10 MHz carrier to use the 90W in 2T.
 - It could be 45/45 for 20Mhz/10Mhz if desired.

ATTACHMENT 4

VISUAL ANALYSIS

PROPOSED WIRELESS TELECOMMUNICATIONS FACILITY

CELLCO PARTNERSHIP
D/B/A

VERIZON WIRELESS
MERIDEN SC6 CT

318906
1187 EAST MAIN STREET
MERIDEN, CT 06450



NEXIUS
7A LIBERTY WAY
WESTFORD, MA 01886
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www.nexius.com

PROJECT SETTING & LETTER OF METHODOLOGY

The following is a description of the methods used by Nexius in preparing the Visual Analysis of a post construction, Cellco Partnership LLC d/b/a Verizon Wireless Installation for the site located at 1187 East Main Street, Meriden, CT 06450.

The host property is located on the southern side of East Main Street. The proposed facility is the on the rooftop and grounds of the J.D. Byrider Car Dealership. The proposed facility consists of installing an Omni-Antenna on the eastern side rooftop; and a vinyl fence to shroud equipment on the eastern wall.

A site visit was made on 4/12/17 and photographs were taken from specific locations off the equipment location property. The actual weather condition was rainy and overcast, visibility was with acceptable levels to conduct the Visual Analysis. A second site visit was made on 10/19/17 and photographs were taken from specific locations around the equipment location property. The actual weather condition was sunny and visibility was within acceptable levels to conduct the Visual Analysis. A third site visit was made on 11/06/17 and photographs were taken from specific locations around the equipment location property. The actual weather condition was rainy and overcast, visibility was within acceptable levels to conduct the Visual Analysis.

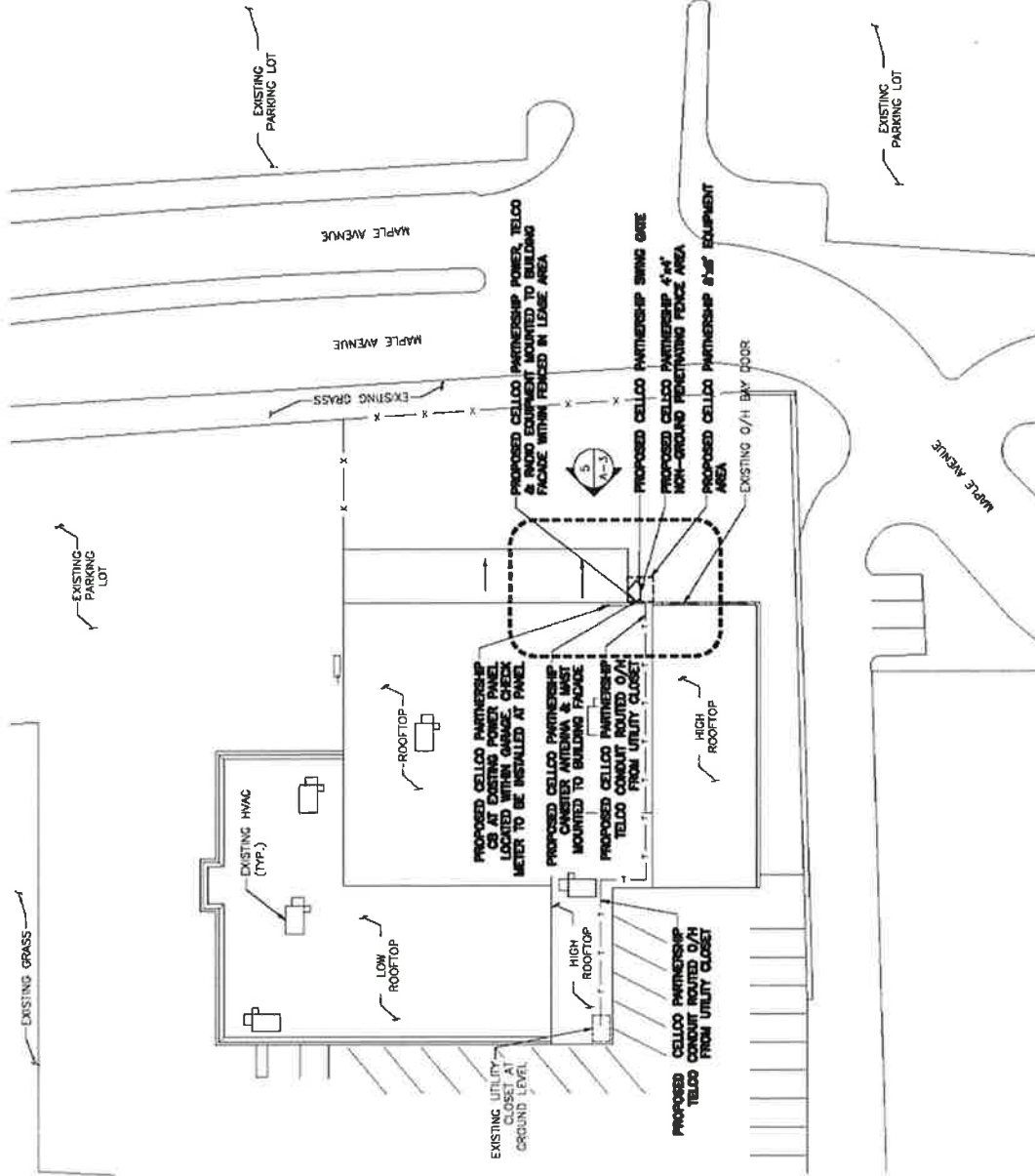
Using technical and mechanical specification documents we built and arranged the equipment using Autodesk 3ds Max software. Autodesk 3ds Max allows us to add a daylight system that calculates which direction the sun will point according to the date and time of day in which the photographs were taken. The next step involves loading a map with the photo-location points into Autodesk 3ds Max. Virtual cameras are then inserted into the scene and placed according to where the photo-locations lay. These cameras represent the photographer who took the photographs and take into consideration the average height at which the camera would have been held by an average 5'-6' person. Due to the cameras being located correctly they automatically calculate the exact distance and perspective of the proposed equipment. This generates simulated 3D views of the proposed equipment from the photographer's view point. Once these simulated viewpoints are created in Autodesk 3ds Max, realistic lighting, shadows and materials are rendered upon the proposed equipment. The result is multiple images that depict the proposed equipment placed "inside" the photograph of the existing environment.

The new images created by 3ds Max are imported into Adobe Photoshop and laid over the existing image. These images are then brought into Microsoft PowerPoint and each view is labeled accordingly based upon the information provided by the field technician. The final product results in high quality "before and after" images that accurately depict the addition of future equipment, not yet built, to existing photographs.

The photo-simulations provide a representation of the Facility under similar settings as those encountered during the reconnaissance. They are however static in nature and do not necessarily fairly characterize the prevailing views from all locations within a given area. 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.

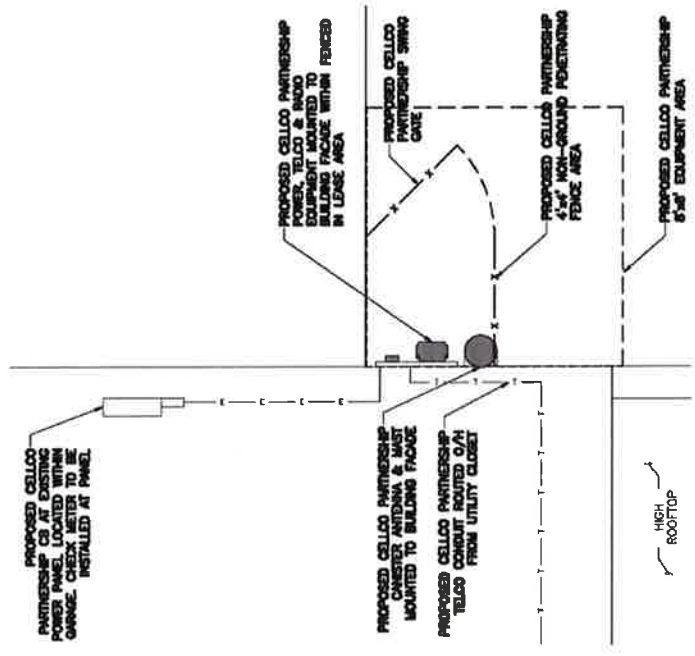
NOTE: These photo simulations are intended to represent modifications relative to a person observing the aesthetics of the proposed telecommunications installation. Therefore, they are inherently approximate in nature and should not be used as an exact, scaled engineering drawing.

PROPOSED SITE PLAN & LEASE AREA DETAIL



1 SITE PLAN
SCALE: 1" = 30'
APPROX. NORTH

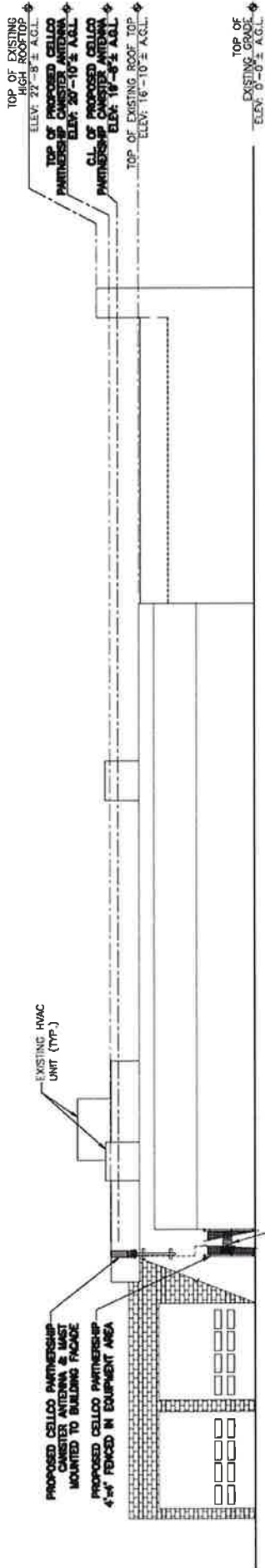
GRAPHIC SCALE: 1" = 20'



2 LEASE AREA DETAIL
SCALE: 1/2" = 1'-0"
APPROX. NORTH

GRAPHIC SCALE: 1/2" = 1'-0"

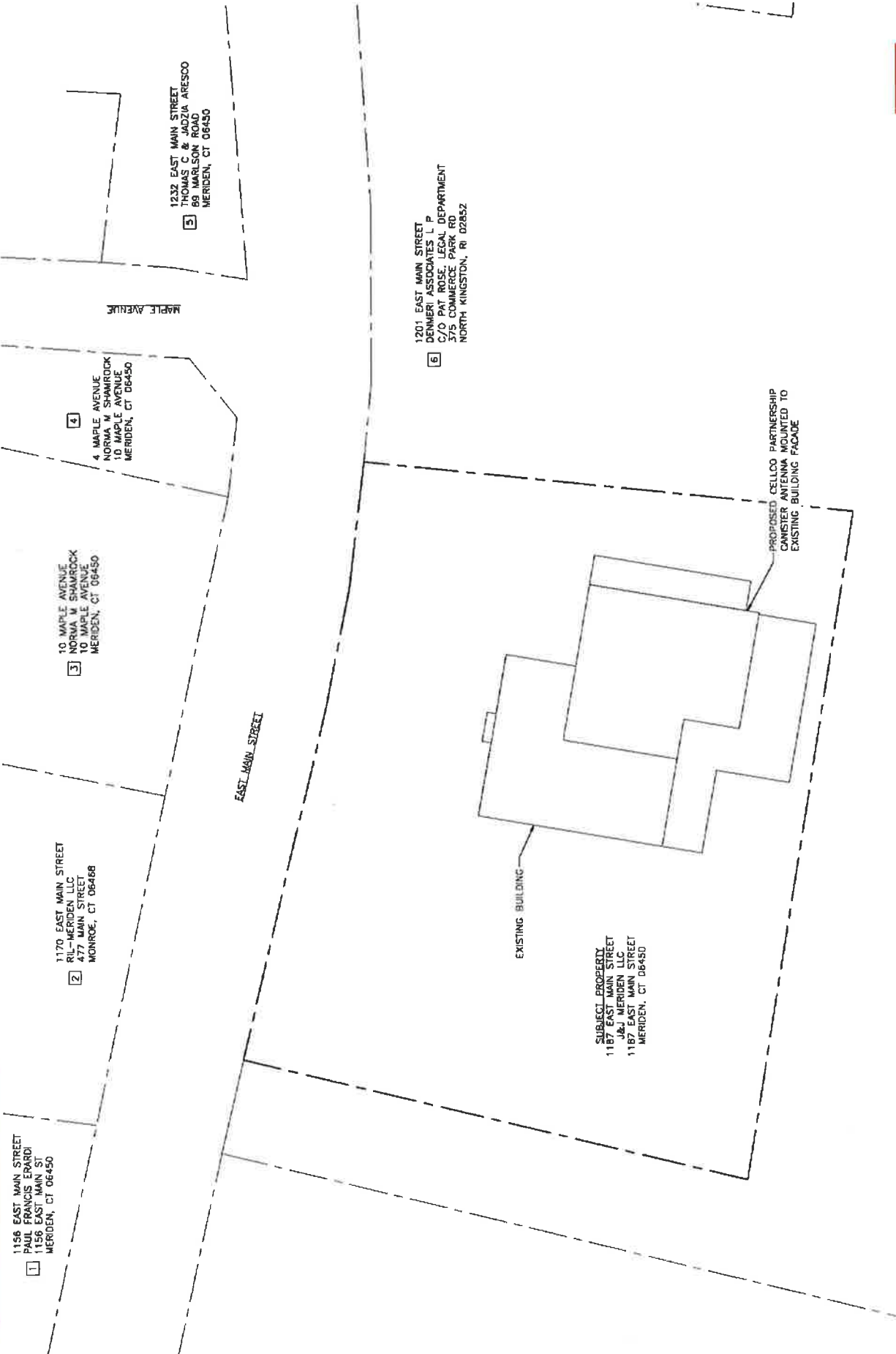
PROPOSED WEST ELEVATION PLAN



⑤ WEST ELEVATION
SCALE: 1/8" = 1'-0"



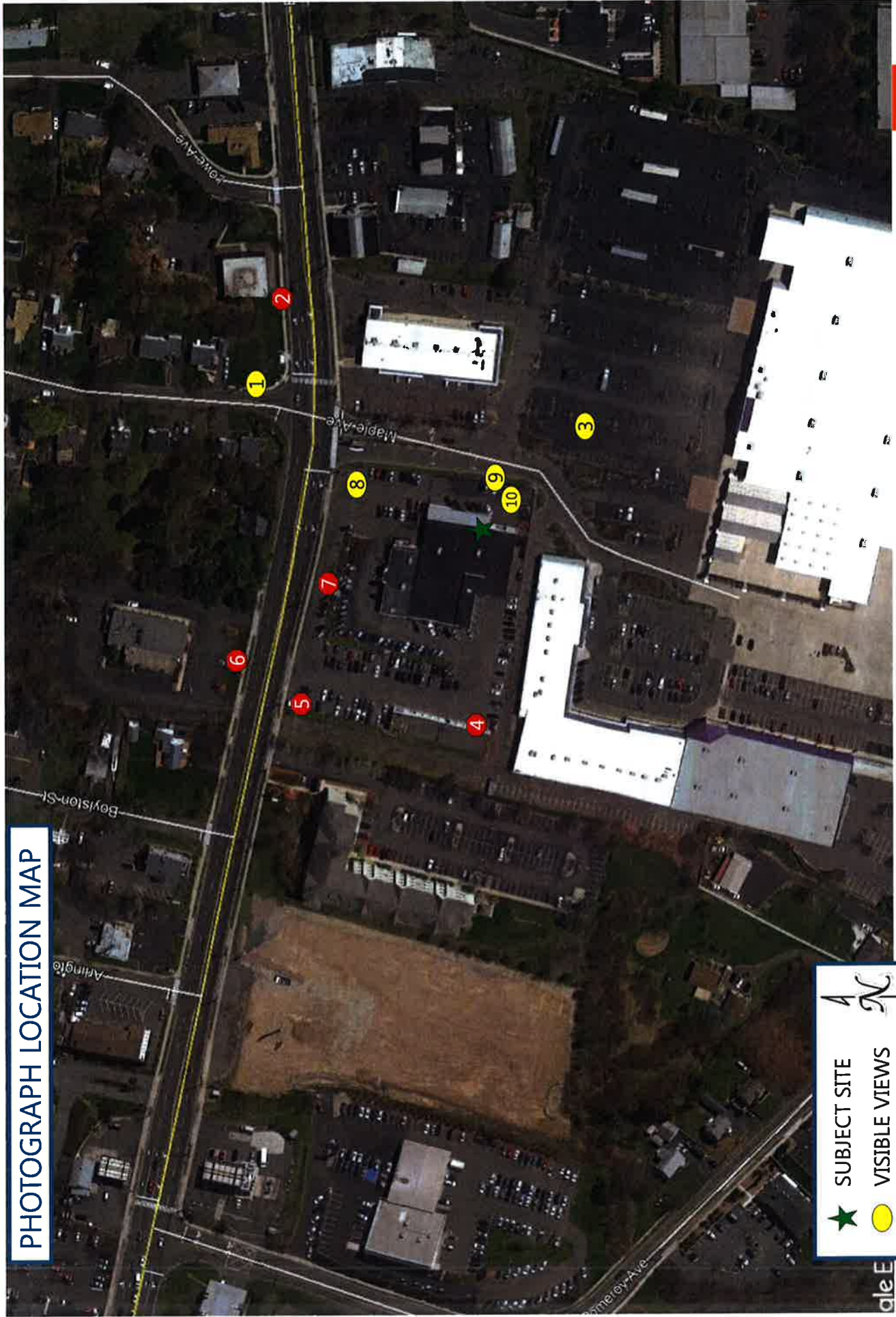
ABUTTERS MAP



PHOTOGRAPH LOCATIONS

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE
1	CORNER OF MAPLE AVENUE & E MAIN STREET	SOUTHWEST	385±
2	1232 E MAIN STREET	SOUTHWEST	560±
3	PARKING LOT OF 1201 E MAIN STREET	NORTHWEST	245±
4	PARKING LOT OF SUBJECT SITE	EAST	315±
5	PARKING LOT OF SUBJECT SITE	SOUTHEAST	405±
6	PARKING LOT OF AMERICAN STEAK HOUSE	SOUTHEAST	425±
7	PARKING LOT OF SUBJECT SITE	SOUTH-SOUTHEAST	275±
8	PARKING LOT OF SUBJECT SITE	SOUTH	210±
9	PARKING LOT OF SUBJECT SITE	WEST	40±
10	PARKING LOT OF SUBJECT SITE	NORTHWEST	30±

PHOTOGRAPH LOCATION MAP



▲ SUBJECT SITE
● VISIBLE VIEWS
● NON-VISIBLE VIEWS



VIEW 1- EXISTING CONDITIONS: LOOKING SOUTHWEST AT SUBJECT SITE

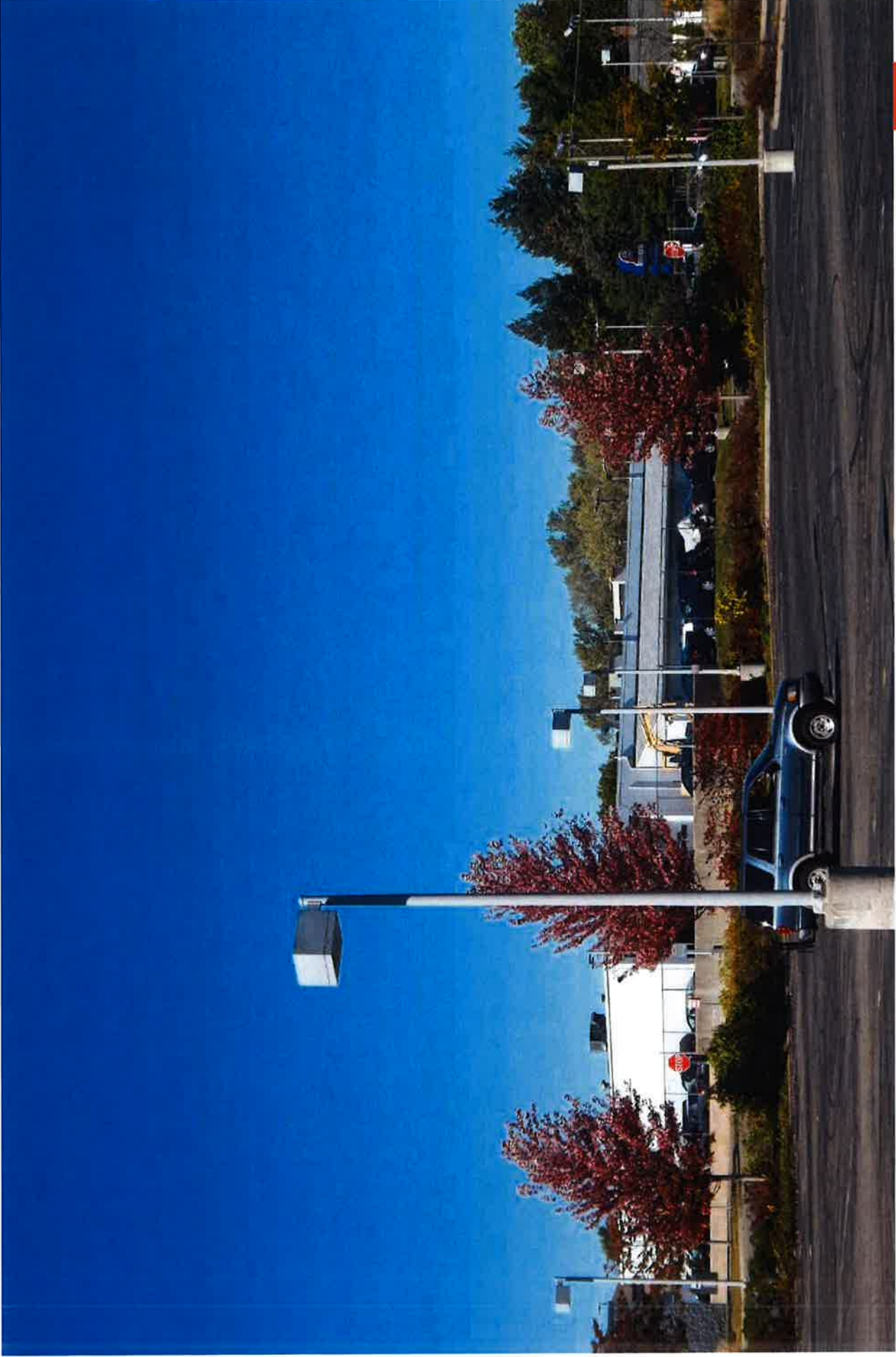


PROPOSED CANISTER ANTENNA

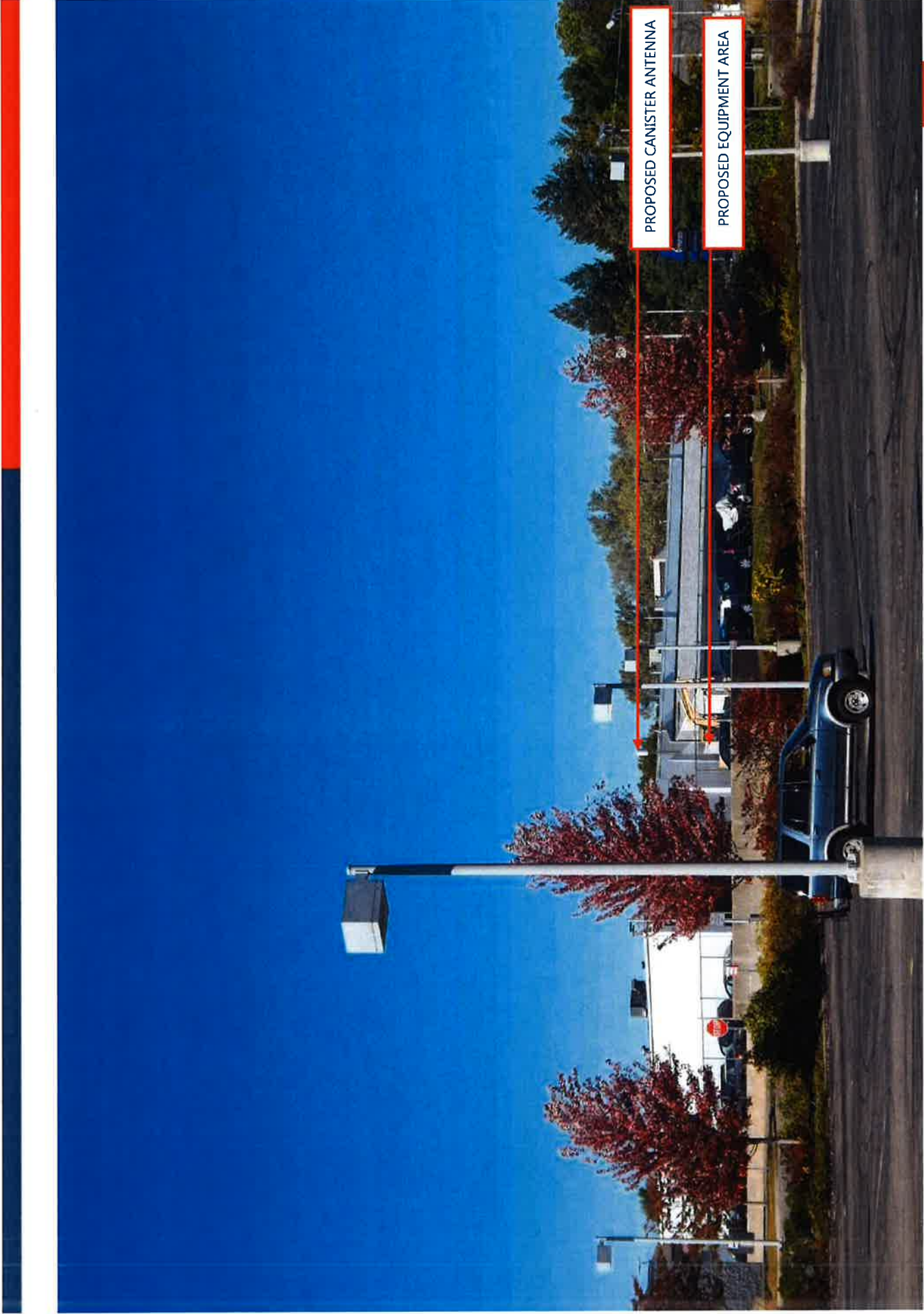
VIEW 1- PROPOSED CONDITIONS: LOOKING SOUTHWEST AT SUBJECT SITE



VIEW 2- EXISTING CONDITIONS: LOOKING SOUTHWEST AT SUBJECT SITE
PROPOSED EQUIPMENT NOT VISIBLE



VIEW 3- EXISTING CONDITIONS: LOOKING NORTHWEST AT SUBJECT SITE



VIEW 3- PROPOSED CONDITIONS: LOOKING NORTHWEST AT SUBJECT SITE



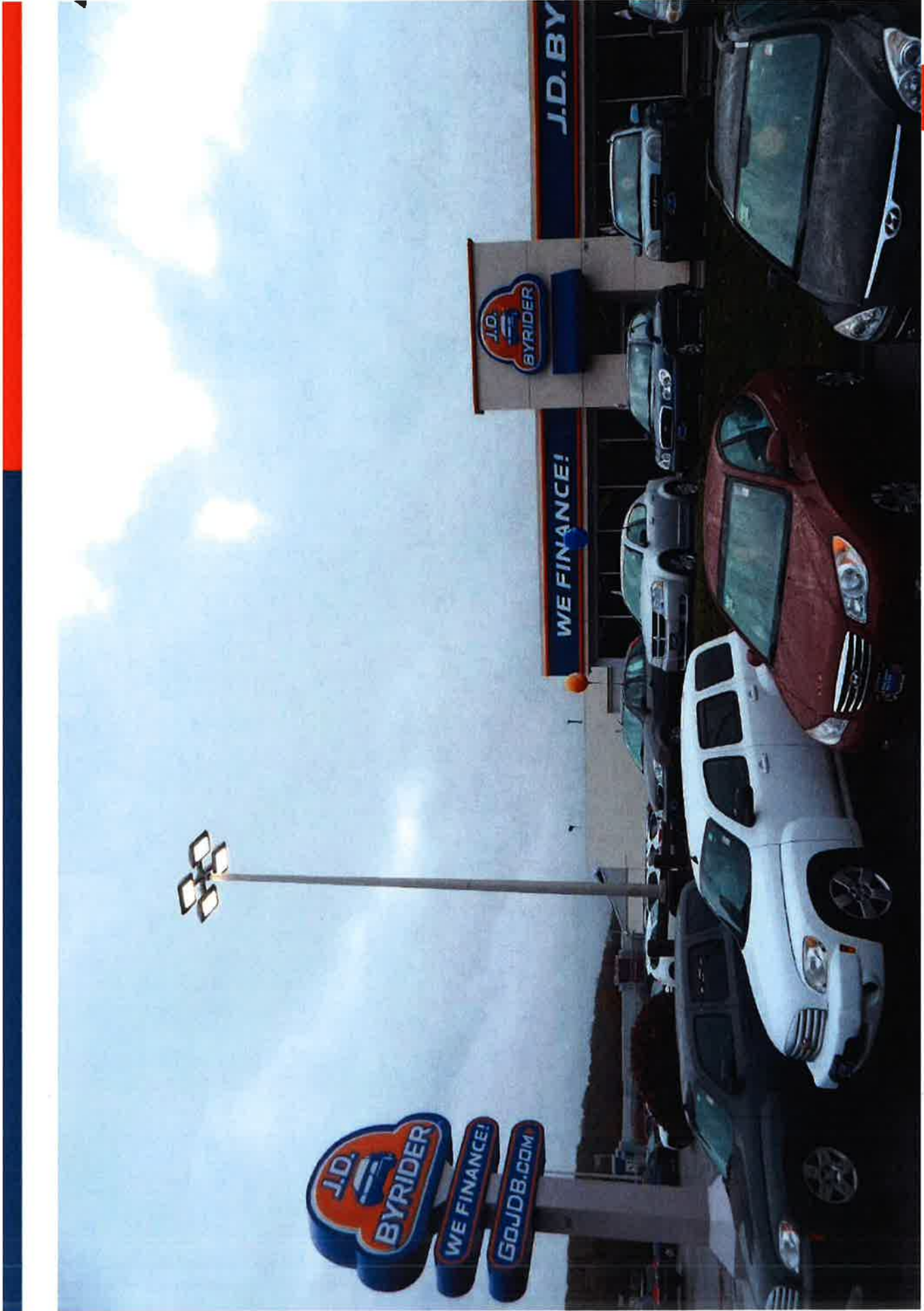
VIEW 4- EXISTING CONDITIONS: LOOKING EAST AT SUBJECT SITE
PROPOSED EQUIPMENT NOT VISIBLE



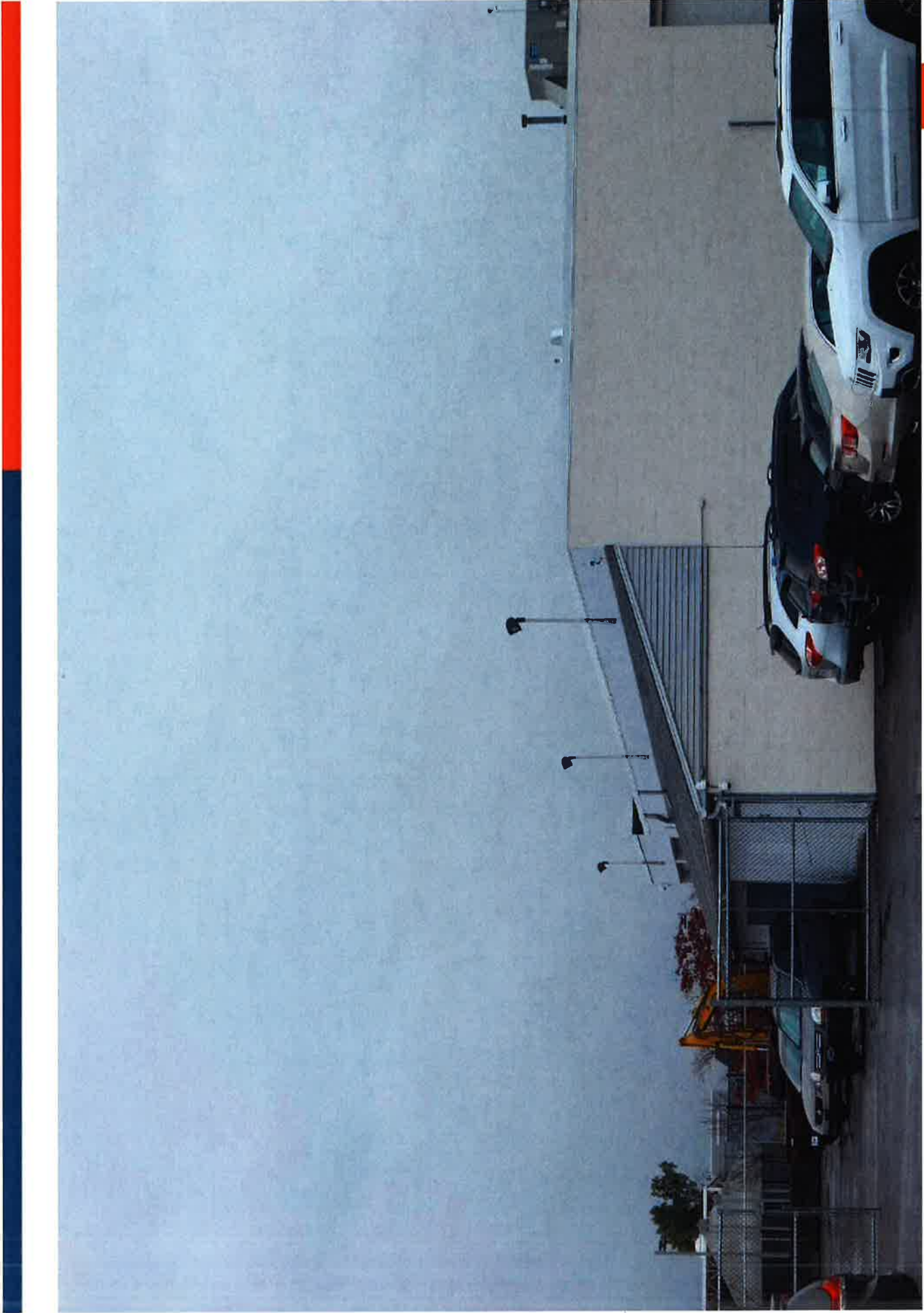
VIEW 5- EXISTING CONDITIONS: LOOKING SOUTHEAST AT SUBJECT SITE
PROPOSED EQUIPMENT NOT VISIBLE



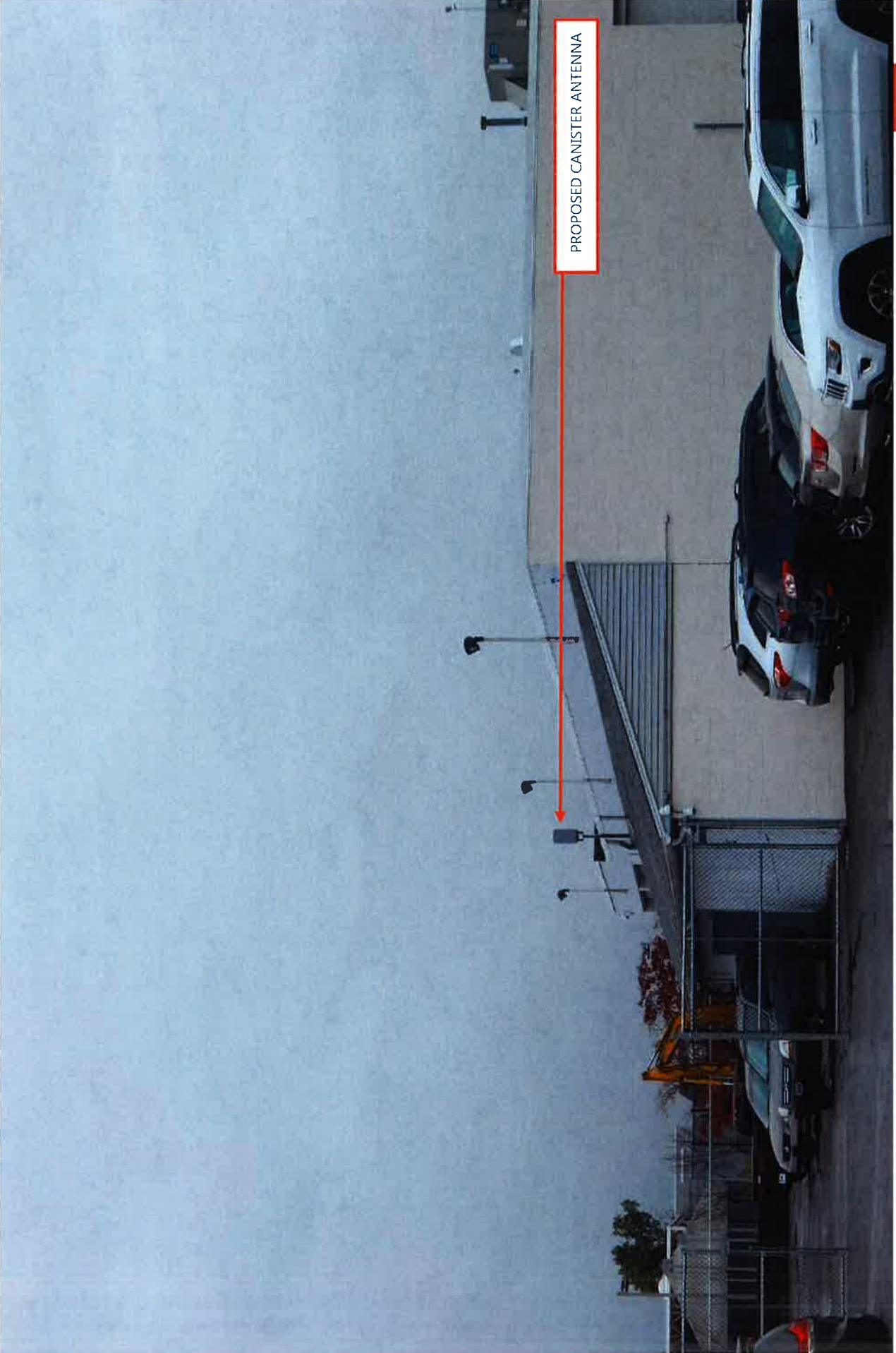
VIEW 6- EXISTING CONDITIONS: LOOKING SOUTHEAST AT SUBJECT SITE
PROPOSED EQUIPMENT NOT VISIBLE



VIEW 7- EXISTING CONDITIONS: LOOKING SOUTH-SOUTHEAST AT SUBJECT SITE
PROPOSED EQUIPMENT NOT VISIBLE



VIEW 8- EXISTING CONDITIONS: LOOKING SOUTH AT SUBJECT SITE



PROPOSED CANISTER ANTENNA

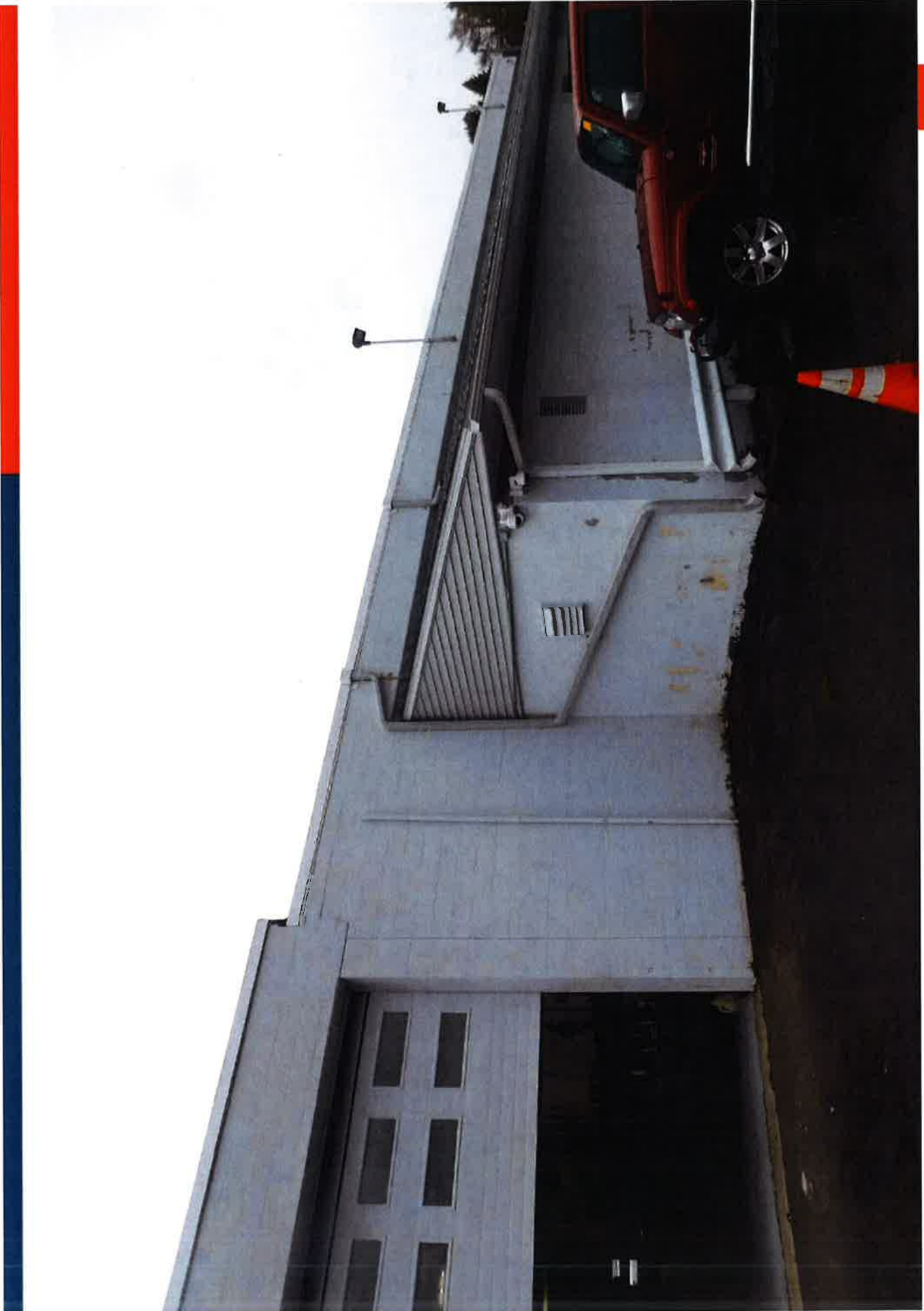
VIEW 8- PROPOSED CONDITIONS: LOOKING SOUTH AT SUBJECT SITE



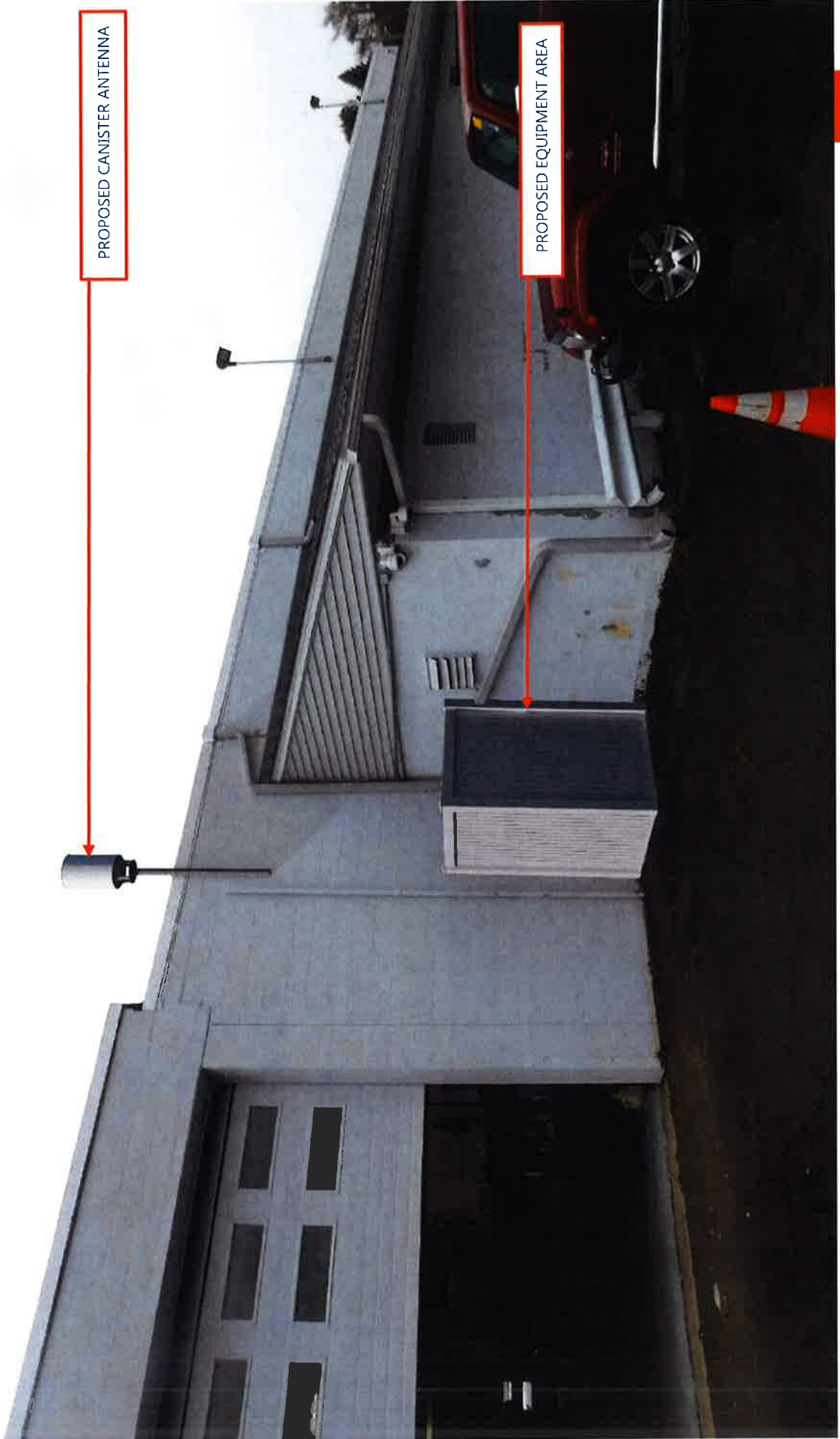
VIEW 9- EXISTING CONDITIONS: LOOKING WEST AT SUBJECT SITE



VIEW 9- PROPOSED CONDITIONS: LOOKING WEST AT SUBJECT SITE



VIEW 10- EXISTING CONDITIONS: LOOKING NORTHWEST AT SUBJECT SITE



VIEW 10- PROPOSED CONDITIONS: LOOKING NORTHWEST AT SUBJECT SITE

Conclusion

The visibility of the proposed Facility would be limited to locations primarily within the immediate vicinity of the Host Property. The location and design of the proposed Facility would appear to be a component of the building and barely discernible as a telecommunications site.

Based on the results of this assessment, it is our opinion that the proposed installation of the Verizon Wireless communications Facility will not have an adverse visual impact on existing views of this building or the character of the community.



ATTACHMENT 5

Site Name: Meriden SC 6 CT
 General Power Density

Operator	Operating Frequency (MHz)	Number of Trans.	ERP Per Trans. (watts)	Total ERP (watts)	Distance to Target (feet)	Calculated Power Density (mW/cm ²)	Maximum Permissible Exposure* (mW/cm ²)	Fraction of MPE (%)
VZW PCS	1970	0	1637	0	19.66	0.0000	1.0	0.00%
VZW Cellular	869	0	492	0	19.66	0.0000	0.5793333333	0.00%
VZW AWS	2145	1	708	708	19.66	0.6587	1.0	65.87%
VZW 700	746	0	1074	0	19.66	0.0000	0.4973333333	0.00%

Total Percentage of Maximum Permissible Exposure

65.87%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Section 1.13101 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

MHz = Megahertz

mW/cm² = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used, including the following assumptions:

1. closest accessible point is distance from antenna to base of pole;
2. continuous transmission from all available channels at full power for indefinite time period; and,
3. all RF energy is assumed to be directed solely to the base of the pole.

ATTACHMENT 6

* Federal Airways & Airspace
*
* Summary Report: Verify Existing Structure
*
* Non-Antenna Structure
*

Airspace User: Maria Montrose

File: MERIDEN_SC6

Location: Meriden, CT

Latitude: 41°-31'-28.97" Longitude: 72°-45'-48.14"

SITE ELEVATION AMSL.....335 ft.
STRUCTURE HEIGHT.....26 ft.
OVERALL HEIGHT AMSL.....361 ft.
SURVEY HEIGHT AMSL.....361 ft.

NOTICE CRITERIA

- FAR 77.9(a): NNR (DNE 200 ft AGL)
- FAR 77.9(b): NNR (DNE Notice Slope)
- FAR 77.9(c): NNR (Not a Traverse Way)
- FAR 77.9: NNR FAR 77.9 IFR Straight-In Notice Criteria for
MMK
- FAR 77.9: NNR FAR 77.9 IFR Straight-In Notice Criteria for
4B8
- FAR 77.9(d): NNR (Off Airport Construction)

NR = Notice Required
 NNR = Notice Not Required
 PNR = Possible Notice Required (depends upon actual IFR
 procedure)
 For new construction review Air Navigation Facilities at
 bottom
 of this report.

Notice to the FAA is not required at the analyzed location and
 height for
 slope, height or Straight-In procedures. Please review the 'Air
 Navigation'
 section for notice requirements for offset IFR procedures and
 EMI.

OBSTRUCTION STANDARDS

FAR 77.17(a)(1): DNE 499 ft AGL
 FAR 77.17(a)(2): DNE - Airport Surface
 FAR 77.19(a): DNE - Horizontal Surface
 FAR 77.19(b): DNE - Conical Surface
 FAR 77.19(c): DNE - Primary Surface
 FAR 77.19(d): DNE - Approach Surface
 FAR 77.19(e): DNE - Approach Transitional Surface
 FAR 77.19(e): DNE - Abeam Transitional Surface

VFR TRAFFIC PATTERN AIRSPACE FOR: MMK: MERIDEN MARKHAM MUNI

Type: A RD: 19071.07 RE: 98.6
 FAR 77.17(a)(1): DNE
 FAR 77.17(a)(2): Does Not Apply.
 VFR Horizontal Surface: DNE
 VFR Conical Surface: DNE
 VFR Primary Surface: DNE
 VFR Approach Surface: DNE
 VFR Transitional Surface: DNE

VFR TRAFFIC PATTERN AIRSPACE FOR: 4B8: ROBERTSON FIELD

Type: A RD: 64500.04 RE: 200
 FAR 77.17(a)(1): DNE
 FAR 77.17(a)(2): DNE - Greater Than 5.99 NM.
 VFR Horizontal Surface: DNE
 VFR Conical Surface: DNE
 VFR Primary Surface: DNE
 VFR Approach Surface: DNE
 VFR Transitional Surface: DNE

TERPS DEPARTURE PROCEDURE (FAA Order 8260.3, Volume 4)

FAR 77.17(a)(3) Departure Surface Criteria (40:1)
 DNE Departure Surface

MINIMUM OBSTACLE CLEARANCE ALTITUDE (MOCA)

FAR 77.17(a)(4) MOCA Altitude Enroute Criteria
 The Maximum Height Permitted is 500 ft AMSL

PRIVATE LANDING FACILITIES

FACIL	BEARING	RANGE	DELTA
IDENT TYP NAME	To FACIL	IN NM	
ARP FAA			
ELEVATION IFR			
-----	-----	-----	-----
+28			
CT21 HEL C N FLAGG	197.68	1.07	
No Impact to Private Landing Facility Structure is beyond notice limit by 1501 feet.			
+216			
CT95 HEL MERIDEN-WALLINGFORD HOSPITAL	284	2.14	
No Impact to Private Landing Facility			

Structure is beyond notice limit by 8003 feet.

+11
 OCT1 HEL BRISTOL-MYERS SQUIBB COMPANY 172.23 2.42
 No Impact to Private Landing Facility
 Structure is beyond notice limit by 9704 feet.

+81
 CT39 AIR MAPLEWOOD FARM 143.74 4.19
 No Impact to VFr Transitional Surface.
 Below surface height of 319 ft above ARP.

+248
 OCT6 HEL MIDDLETOWN 31.58 5.07
 No Impact to Private Landing Facility
 Structure is beyond notice limit by 25806 feet.

+304
 CT98 HEL MIDDLESEX HOSPITAL 70.99 5.59
 No Impact to Private Landing Facility
 Structure is beyond notice limit by 28965 feet.

AIR NAVIGATION ELECTRONIC FACILITIES

GRND	FAC	ST			DIST	DELTA		
ANGLE	APCH		AT	FREQ	VECTOR	(ft)	ELEVA	ST LOCATION
	IDNT	TYPE						
	BEAR							
.63	MMK	CO	Y	134.92	257.02	18762	+205	CT MERIDEN
-.38	HFD	VOR/DME	R	114.9	54.26	72725	-488	CT HARTFORD
.10	MAD	VOR/DME	R	110.4	165.76	79281	+141	CT MADISON
.20	HVN	VOR/DME	R	109.8	199.23	101285	+355	CT NEW HAVEN
.05	BDL	RADAR	ON		8.3	152408	+125	CT BRADLEY INTL
.08	BDL	VORTAC	D	109.0	7.64	153059	+201	CT BRADLEY
.12	BDR	VOR/DME	R	108.8	216.66	165612	+352	CT BRIDGEPORT
.10	GON	VOR/DME	R	110.8	110.18	207551	+352	CT GROTON
.01	ORW	VOR/DME	I	110.0	86.59	209490	+51	CT NORWICH
0.00	QVH	RADAR ARSR	Y	1326.9	174.94	236311	+10	NY RIVERHEAD
.04	KOKX	RADAR WXL	Y		186.54	241756	+166	NY NEW YORK

CFR Title 47, §1.30000-§1.30004

AM STUDY NOT REQUIRED: Structure is not near a FCC licensed AM station.

Movement Method Proof as specified in §73.151(c) is not required.

Please review 'AM Station Report' for details.

Nearest AM Station: WMMW @ 4535 meters.

Airspace® Summary Version 17.9.479

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10-19-2017

11:31:48

ATTACHMENT 7

KENNETH C. BALDWIN

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

Also admitted in Massachusetts

November 14, 2017

Via Certificate of Mailing

Kevin Scarpati, Mayor
City of Meriden
142 East Main Street
Meriden, CT 06450

Re: **Proposed Installation of a Wireless Telecommunications Facility at
1187 East Main Street, Meriden, Connecticut**

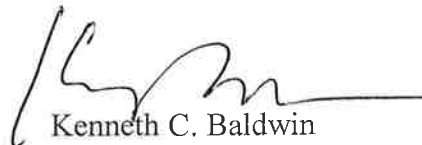
Dear Mayor Scarpati:

This firm represents Cellco Partnership d/b/a Verizon Wireless (“Cellco”). Today, Cellco filed a Petition for Declaratory Ruling (“Petition”) with the Connecticut Siting Council (“Council”) seeking approval to install a new small cell wireless telecommunications facility at 1187 East Main Street in Meriden (the “Property”). The facility will consist of a small tower mast attached to the Automotive Dealership building. The tower mast will support a single canister antenna. The top of the antenna will extend to a height of approximately 21’-3” above grade, approximately three inches above the highest portion of the roof of the building. A remote radio head and related equipment will be located in an 8’ x 8’ fenced compound along the east side of the building.

A copy of the Petition is attached for your review. In accordance with Council requirements, abutting landowners were also sent notice of this filing and a copy of the Petition.

Please contact me if you have any questions regarding this proposal.

Sincerely,



Kenneth C. Baldwin

Attachment

November 14, 2017

Via Certificate of Mailing

Bob Seale, Director of Development and Enforcement
City of Meriden
142 East Main Street
Meriden, CT 06450

Re: **Proposed Installation of a Wireless Telecommunications Facility at
1187 East Main Street, Meriden, Connecticut**

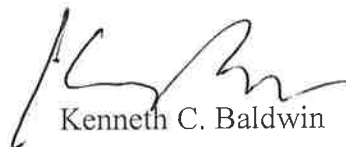
Dear Mr. Seale:

This firm represents Cellco Partnership d/b/a Verizon Wireless ("Cellco"). Today, Cellco filed a Petition for Declaratory Ruling ("Petition") with the Connecticut Siting Council ("Council") seeking approval to install a new small cell wireless telecommunications facility at 1187 East Main Street in Meriden (the "Property"). The facility will consist of a small tower mast attached to the Automotive Dealership building. The tower mast will support a single canister antenna. The top of the antenna will extend to a height of approximately 21'-3" above grade, approximately three inches above the highest portion of the roof of the building. A remote radio head and related equipment will be located in an 8' x 8' fenced compound along the east side of the building.

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Please contact me if you have any questions regarding this proposal.

Sincerely,



Kenneth C. Baldwin

Attachment

November 14, 2017

Via Certificate of Mailing

J&J Meriden LLC
1187 East Main Street
Meriden, CT 06450

Re: **Proposed Installation of a Wireless Telecommunications Facility at
1187 East Main Street, Meriden, Connecticut**

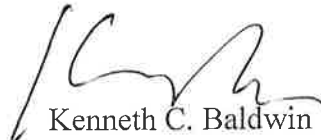
Dear Sir or Madam:

This firm represents Cellco Partnership d/b/a Verizon Wireless (“Cellco”). Today, Cellco filed a Petition for Declaratory Ruling (“Petition”) with the Connecticut Siting Council (“Council”) seeking approval to install a new small cell wireless telecommunications facility at 1187 East Main Street in Meriden (the “Property”). The facility will consist of a small tower mast attached to the Automotive Dealership building. The tower mast will support a single canister antenna. The top of the antenna will extend to a height of approximately 21’-3” above grade, approximately three inches above the highest portion of the roof of the building. A remote radio head and related equipment will be located in an 8’ x 8’ fenced compound along the east side of the building.

A copy of the Petition is attached for your review. In accordance with Council requirements, abutting landowners were also sent notice of this filing and a copy of the Petition.

Please contact me if you have any questions regarding this proposal.

Sincerely,



Kenneth C. Baldwin

Attachment

ATTACHMENT 8

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

November 14, 2017

Via Certificate of Mailing

«Name_and_Address»

Re: Notice of Intent to File a Petition for Declaratory Ruling with the Connecticut Siting Council for the Installation of a Wireless Telecommunications Facility at 1187 East Main Street, Meriden, Connecticut

Dear «Salutation»:

This firm represents Cellco Partnership d/b/a Verizon Wireless (“Cellco”). Today, Cellco filed a Petition for Declaratory Ruling (“Petition”) with the Connecticut Siting Council (“Council”) seeking approval to install a new small cell wireless telecommunications facility at 1187 East Main Street in Meriden (the “Property”). The facility will consist of a small tower mast attached to the Automotive Dealership building. The tower mast will support a single canister antenna. The top of the antenna will extend to a height of approximately 21’-3” above grade, approximately three inches above the highest portion of the roof of the building. A remote radio head and related equipment will be located in an 8’ x 8’ fenced compound along the east side of the building. A copy of the Petition is attached for your review.

This notice is being sent to you because you are listed on the City Assessor’s records as an owner of land that abuts the Property. If you have any questions regarding the Petition, the Council’s process for reviewing the Petition or the details of the filing itself, please feel free to contact me at the number listed above. You may also contact the Council directly at 860-827-2935.

November 14, 2017
Page 2

Sincerely,

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

Kenneth C. Baldwin

Attachment

CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS

ABUTTING PROPERTY OWNERS

1187 EAST MAIN STREET, MERIDEN, CONNECTICUT

	Property Address	Owner's and Mailing Address
1.	1201 East Main Street	Denmeri Associates LLP c/o Pat Rose, Legal Department 375 Commerce Park Road North Kingstown, RI 02852
2.	4 Maple Avenue	Norma A. Shamrock 10 Maple Avenue Meriden, CT 06450
3.	10 Maple Avenue	Norma A. Shamrock 10 Maple Avenue Meriden, CT 06450
4.	1170 East Main Street	RIL – Meriden LLC 477 Main Street Monroe, CT 06468
5.	1156 East Main Street	Paul Francis Erardi 1156 East Main Street Meriden, CT 06450
6.	1232 East Main Street	Tomas C. and Jadzia Aresco 89 Marlson Road Meriden, CT 06450