

August 3, 2020

Melanie A. Bachman, Esq.
Executive Director/Staff Attorney
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Petition No. 1331 –Cellco Partnership d/b/a Verizon Wireless
Lime Rock Park, 497 Lime Rock Road, Lakeville, Connecticut**

Request for Staff Approval of Minor Project Changes

Dear Attorney Bachman:

On December 7, 2017, the Siting Council approved Cellco’s Petition for a Declaratory Ruling to establish two small cell wireless facilities at Lime Rock Park in Lakeville, Connecticut. Recently, Cellco decided to change the model of the antenna it intends to use at each of the approved small cell locations. A copy of the new antenna model specification sheet is included in Attachment 1.

The location of the two approved facilities will not change and the overall height of each structure, to the top of the cannister antenna, will remain the same. The proposed antenna centerline height will be 24.3’ above grade at the Lime Rock Park SC 1 facility and 29’ above grade at the Lime Rock Park SC 2 facility. Project plans for both small cell facilities are included in Attachment 2.

Radio frequency (“RF”) emissions from both proposed facilities, with the new antenna models, will continue to comply with the standards adopted by the Federal Communications Commission (“FCC”). Included in Attachment 3 are General Power Density tables that demonstrate that Lime Rock Park SC1 or Lime Rock Park SC2 Facilities will operate well within the FCC safety standard.

August 3, 2020

Page 2

Cellco respectfully submits that, pursuant to Condition No. 3 of the Council's December 7, 2017 approval, the proposed modifications described above are "minor project changes" that can be approved by Council staff. A copy of this correspondence was sent to Salisbury's First Selectman Curtis Rand; Abby Conroy, Land Use Administrator; and Lime Rock Park LLC, the owner of the Property.

If you have any questions or need any additional information regarding this matter, please do not hesitate to contact me.

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

Copy to:

Corey Vaccaro

ATTACHMENT 1

4U4MT360X06F_{xy}s0

PSEUDO OMNI | CANISTER ANTENNA | X-POL | FIXED TILT | 610 MM (24.0 IN)

Features

- Pseudo Omni configuration with 16 connectors
- Ideal for Small Cell / DAS applications
- Available with 4.3-10 connectors
- This antenna meets the requirements of the U-NII
- Available for order with a grey, brown or black radome



Connector Description

The antenna has 16 connectors located at the bottom.

Mid Band #1	Y1	Pseudo Omni	1695-2700 MHz	(2x) 4.3-10 Female
Mid Band #2	Y2	Pseudo Omni	1695-2700 MHz	(2x) 4.3-10 Female
Mid Band #3	Y3	Pseudo Omni	1695-2700 MHz	(2x) 4.3-10 Female
Mid Band #4	Y4	Pseudo Omni	1695-2700 MHz	(2x) 4.3-10 Female
Mid Band #5	Y5	Pseudo Omni	3550-3700 MHz	(2x) 4.3-10 Female
Mid Band #6	Y6	Pseudo Omni	3550-3700 MHz	(2x) 4.3-10 Female
High Band #1	V1	Pseudo Omni	5150-5925 MHz	(2x) 4.3-10 Female
High Band #2	V2	Pseudo Omni	5150-5925 MHz	(2x) 4.3-10 Female

Electrical Characteristics	Y1, Y2, Y3, Y4				Y5 Y6	V1 V2	
	(4x) 1695-2700				(2x) 3550-3700	(2x) 5150-5925	
Frequency Bands (MHz)	1695-1880	1850-1990	1920-2200	2300-2700			
Polarization	(4x) ±45°				(2x) ±45°	(2x) ±45°	
Horizontal Beamwidth	360°	360°	360°	360°	360°	360°	
Vertical Beamwidth	23.4° ± 4.2°	21.7° ± 4.3°	20.9° ± 4.3°	17.1° ± 3.2°	37.1° ± 10.6°	22.9° ± 5.1°	
Gain	9.1 ± 0.5 dBi	8.9 ± 0.4 dBi	9.1 ± 0.7 dBi	9.6 ± 0.6 dBi	5.2 ± 0.5 dBi	Avg. 5.1 dBi Max. 5.8 dBi	
Electrical Downtilt (°)	(x) 2, 4, 6				(y) 0	(y) 0	
Impedance	50Ω				50Ω	50Ω	
VSWR	≤ 1.5:1				≤ 1.5:1	≤ 1.5:1	
Upper Sidelobe Suppression	> 14 dB				N/A	> 13 dB	
Isolation	Intraband	25 dB				25 dB	25 dB
	Interband	28 dB				28 dB	28 dB
IM3 (2x20W carrier)	< -153 dBc				N/A	N/A	
Input Power	(8x) 300 W				(4x) 100W	(4x) 50W	
U-NII Compliant	---				---	Yes	
Number of Sectors, Pattern Shape	3 Sectors / Pseudo Omni						
Lightning Protection	Direct Ground						

Mechanical Characteristics

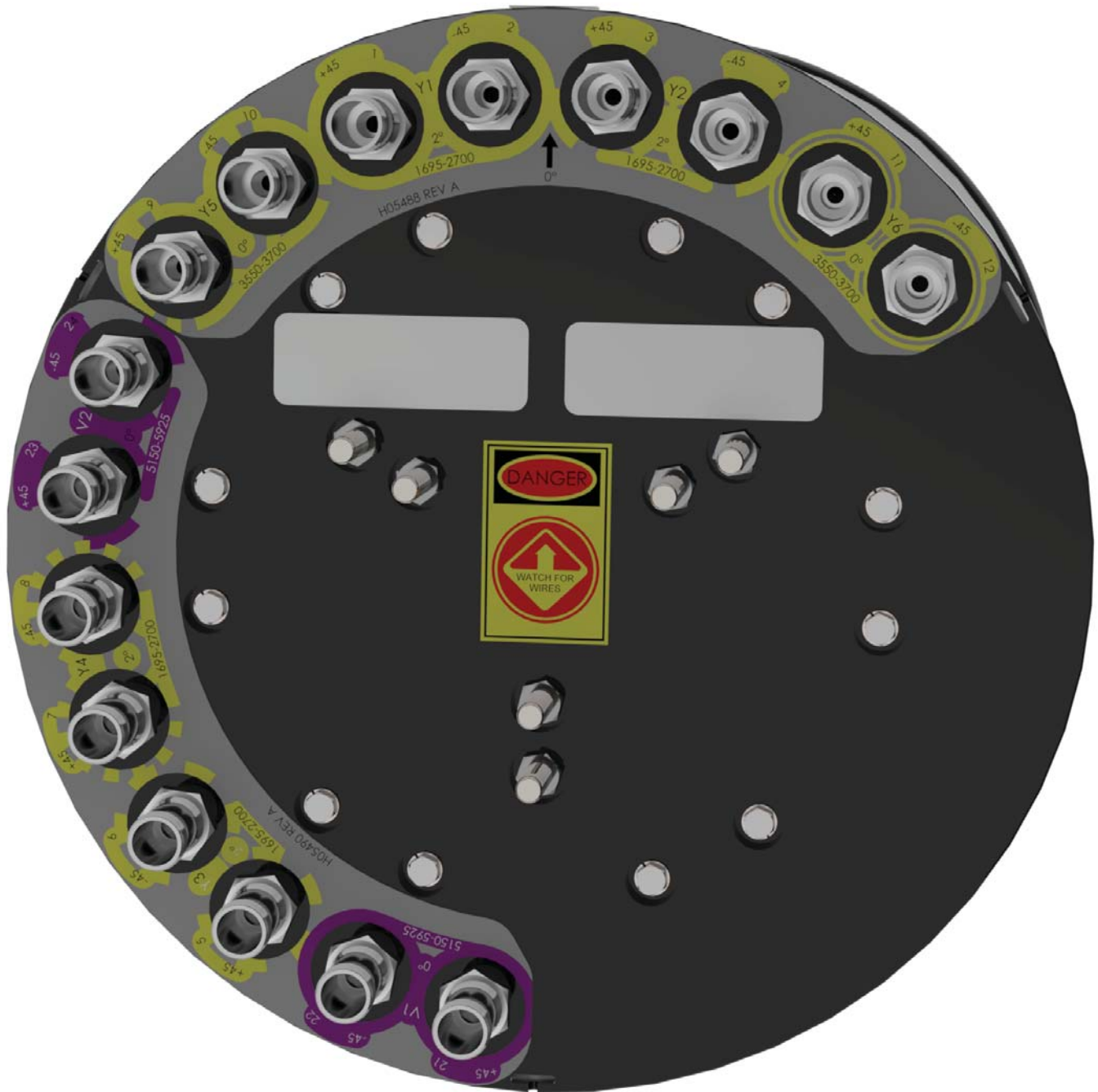
Antenna Dimensions (Height x Diameter)	610 x 371 mm	24.0 x 14.6 in
Weight without Mounting Bracket Kit	12.7 kg	28 lbs
Antenna Volume	0.07 m ³	2.3 ft ³
Survival Wind Speed	241 km/hr	150 mph
Wind Area	0.22 m ²	2.4 ft ²
Wind Load (160 km/hr or 100 mph)	191 N	43 lbf

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

4U4MT360X06F_{xy}s0

PSEUDO OMNI | CANISTER ANTENNA | X-POL | FIXED TILT | 610 MM (24.0 IN)

Bottom View - Labeling

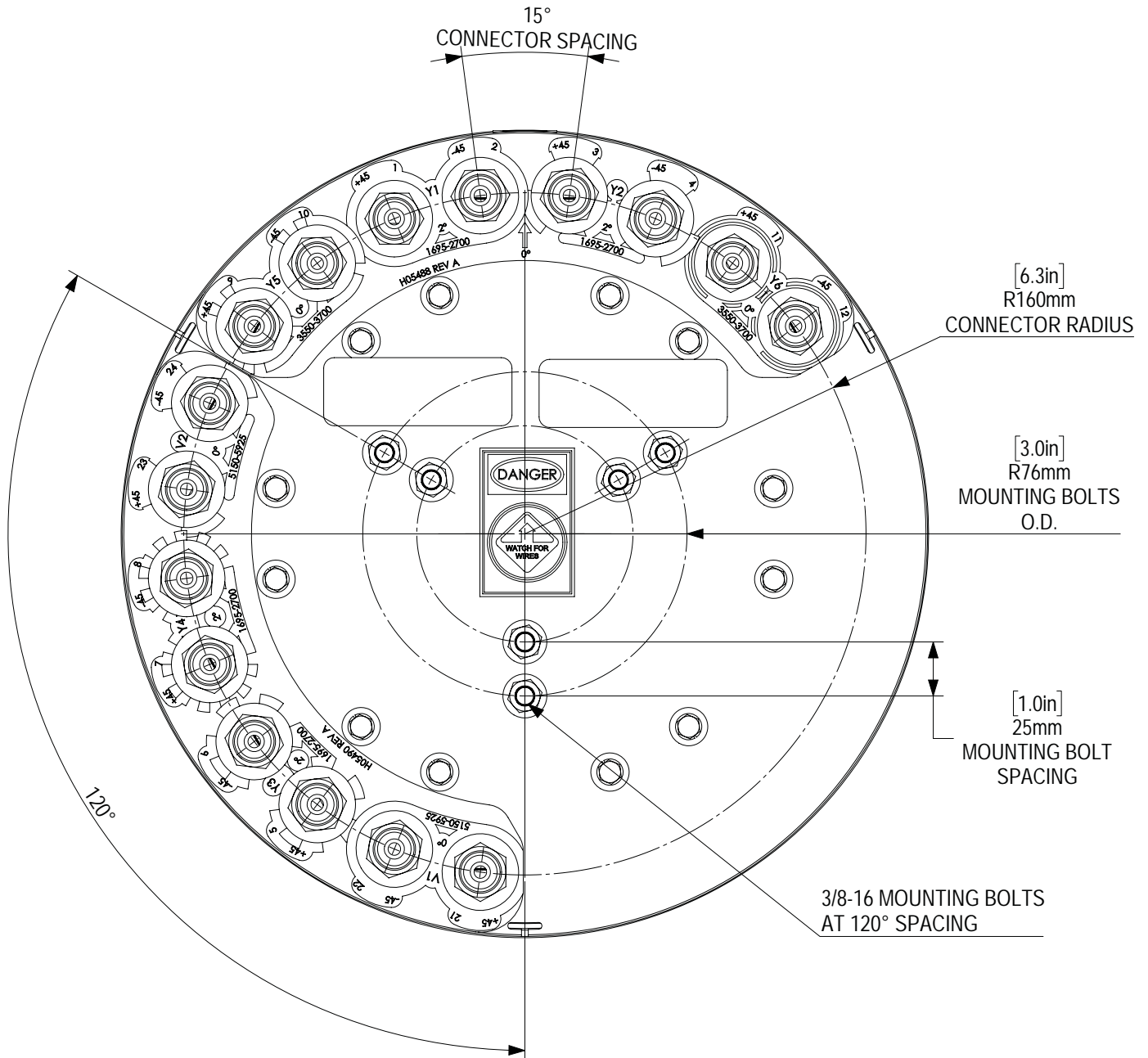


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4U4MT360X06F_{xy}s0

PSEUDO OMNI | CANISTER ANTENNA | X-POL | FIXED TILT | 610 MM (24.0 IN)

Bottom View - Connector Diagram



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4U4MT360X06F_{xy}s0

PSEUDO OMNI | CANISTER ANTENNA | X-POL | FIXED TILT | 610 MM (24.0 IN)





Ordering Options

When ordering, select the Radome Color and Degree of Electrical Downtilt (**xy**) for the Mid and High Bands.

Radome Color	Electrical Downtilt Degree		Connector Type
	Mid Band (x)	High Band (y)	4.3-10 Female
Grey Pantone 420 C	2°	0°	4U4MT360X06F 20 s0
	4°	0°	4U4MT360X06F 40 s0
	6°	0°	4U4MT360X06F 60 s0
	Y1 and Y2 = 2° Y3 and Y4 = 6°	0°	4U4MT360X06F AA s0
	Y1 and Y2 = 2° Y3 and Y4 = 4°	0°	4U4MT360X06F BB s0
Brown Pantone 476 C	2°	0°	4U4MT360X06F 20s0BR
	4°	0°	4U4MT360X06F 40s0BR
	6°	0°	4U4MT360X06F 60s0BR
	Y1 and Y2 = 2° Y3 and Y4 = 6°	0°	4U4MT360X06F AAs0BR
	Y1 and Y2 = 2° Y3 and Y4 = 4°	0°	4U4MT360X06F BBs0BR
Black RAL 9011	2°	0°	4U4MT360X06F 20s0BK
	4°	0°	4U4MT360X06F 40s0BK
	6°	0°	4U4MT360X06F 60s0BK
	Y1 and Y2 = 2° Y3 and Y4 = 6°	0°	4U4MT360X06F AAs0BK
	Y1 and Y2 = 2° Y3 and Y4 = 4°	0°	4U4MT360X06F BBs0BK

Mounting Kits

This antenna can be mounted using any of the following mounting kits. Mounting kits must be ordered separately.

Side Mounting Bracket Kit	Top Mounting Bracket Kit	Utility Pole Mounting Bracket Kit	Wide Diameter Pole Top Mounting Bracket Kit
CWT-MKS-SIDE	CWT-MKS-TOP	WB3X-MKS-01	CWT-MKS-BASE-xx
			

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ATTACHMENT 2



WIRELESS COMMUNICATIONS FACILITY

LIME ROCK PARK SC1 CT
LIME ROCK PARK SC2 CT

LIME ROCK PARK
497 LIME ROCK RD.
LAKEVILLE, CT 06039
TOWN OF SALISBURY

Cellco Partnership
d/b/a Verizon Wireless



WIRELESS COMMUNICATIONS FACILITY
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

On Air Engineering, LLC

88 Foundry Pond Road
Cold Spring, NY 10516
onair@optonline.net
201-456-4624

LICENSURE

DAVID WEINPAHL, P.E.
CT LIC. NO. 22144

NO. DATE SUBMISSIONS

0	09.05.17	REVIEW
1	10.06.17	REVISED PER CLIENT COMMENTS
2	07.30.20	REVISED PER NEW RFDS

PROJECT SUMMARY

SITE NAME(S):	LIME ROCK PARK SC1 CT LIME ROCK PARK SC2 CT
SITE ADDRESS:	497 LIME ROCK RD. LAKEVILLE, CT 06039 TOWN OF SALISBURY
PROPERTY OWNER & MAILING ADDRESS:	LIME ROCK PARK LLC 497 LIME ROCK RD. LAKEVILLE, CT 06039
SMALL CELL SC1: COORDINATES/AMSL:	41° 55' 40.468" N 73° 22' 37.634" W 570.2' AMSL
SMALL CELL SC2: COORDINATES/AMSL:	41° 55' 41.425" N 73° 23' 20.837" W 592.0' AMSL
APPLICANT:	CELLCO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST RIVER DR., 9TH FL. EAST HARTFORD, CT 06108
VERIZON WIRELESS CONTACTS:	BRYON MORAWSKI - CONSTR. (860) 604-9142 ALEKSEY TYURIN - SAC (860) 933-1534
LEGAL/REGULATORY COUNSEL:	KENNETH C. BALDWIN, ESQ. ROBINSON & COLE, LLP (860) 275-8345

DRAWN BY:	CHECKED BY:
AS	DW

SITE NAME:

LIME ROCK PARK SC1 CT
LIME ROCK PARK SC2 CT

PROJECT DESCRIPTION:

SMALL CELL

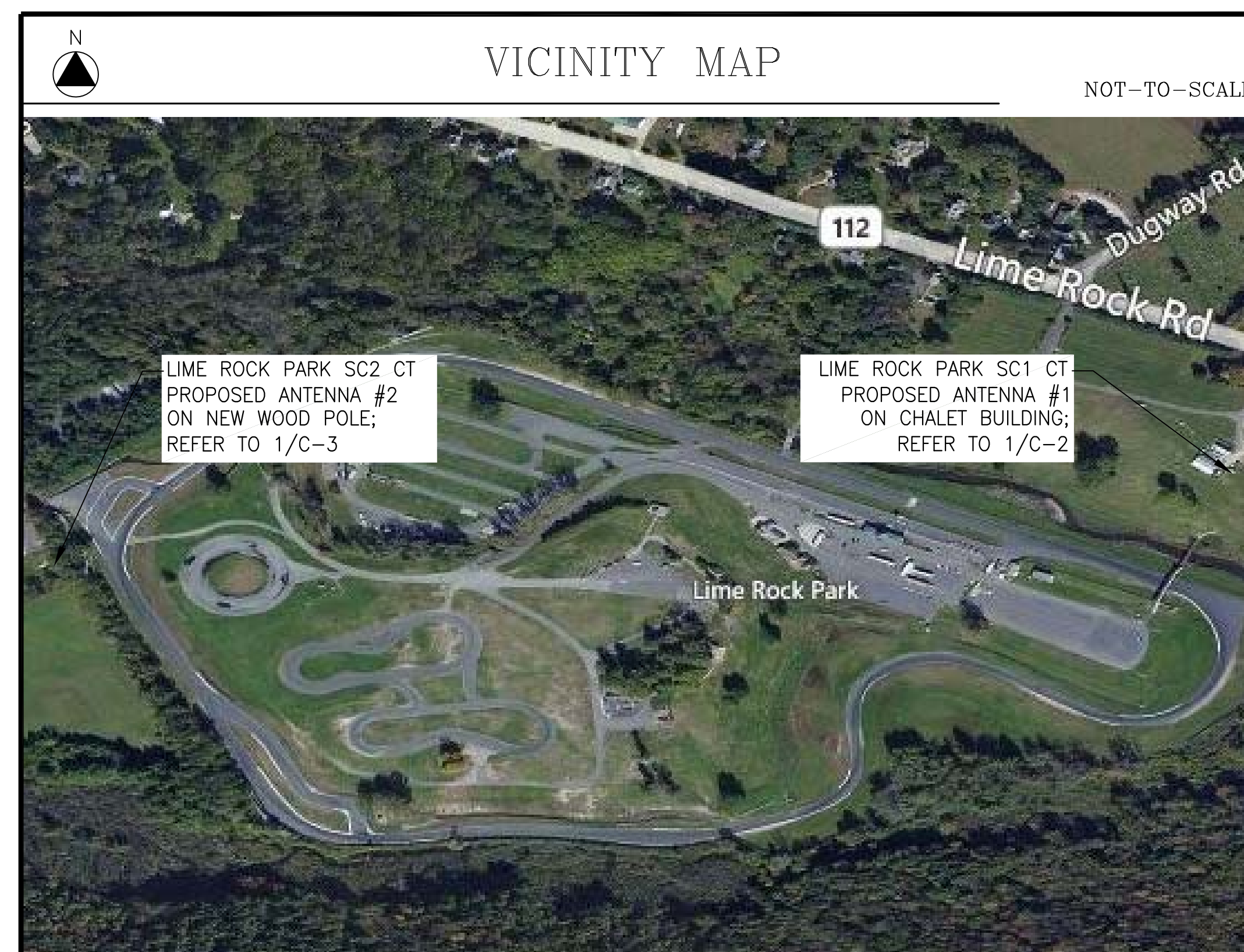
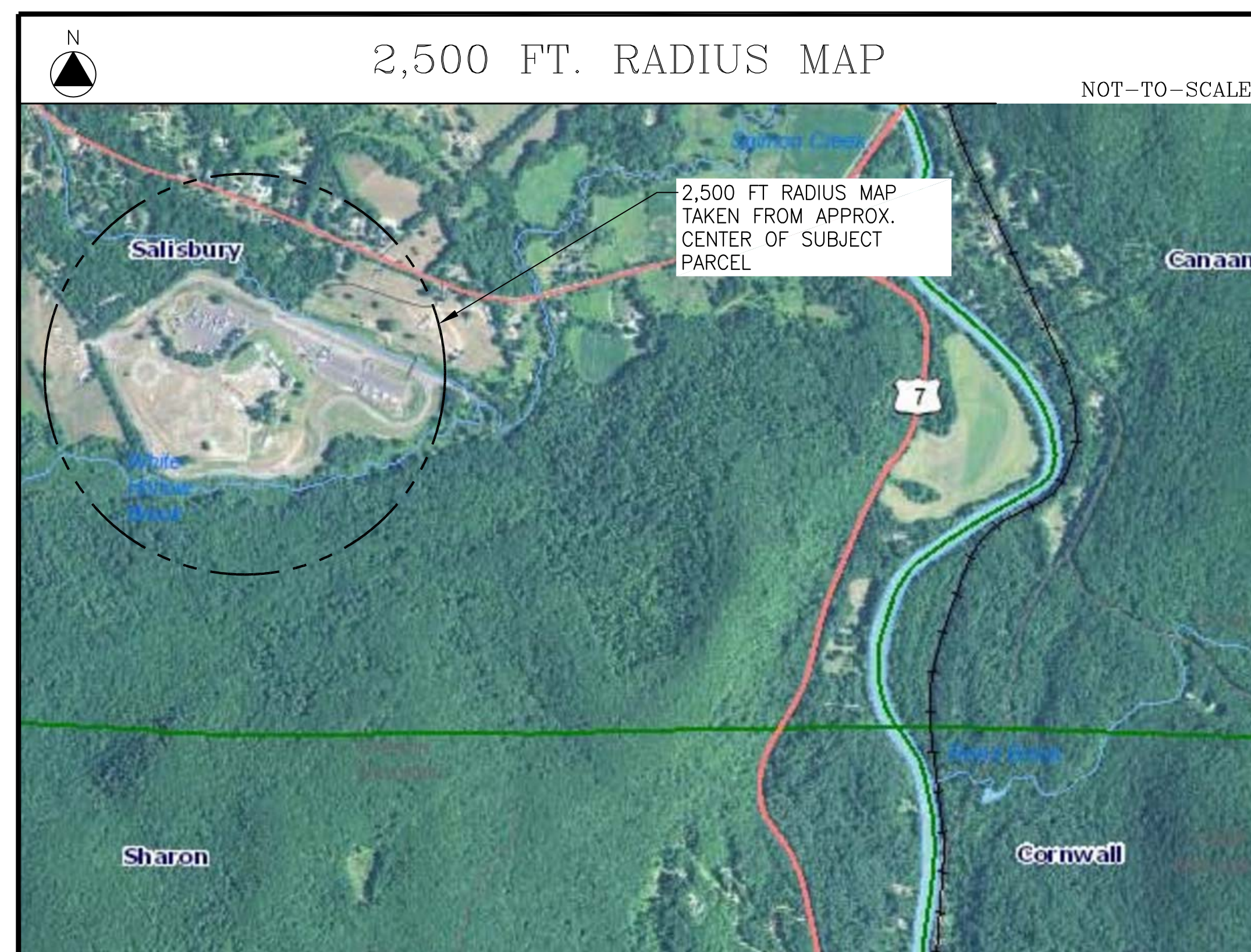
PROJECT INFORMATION:
LIME ROCK PARK
497 LIME ROCK RD.
LAKEVILLE, CT 06039
TOWN OF SALISBURY

DRAWING TITLE:

TITLE SHEET

SHEET NUMBER:

T-1

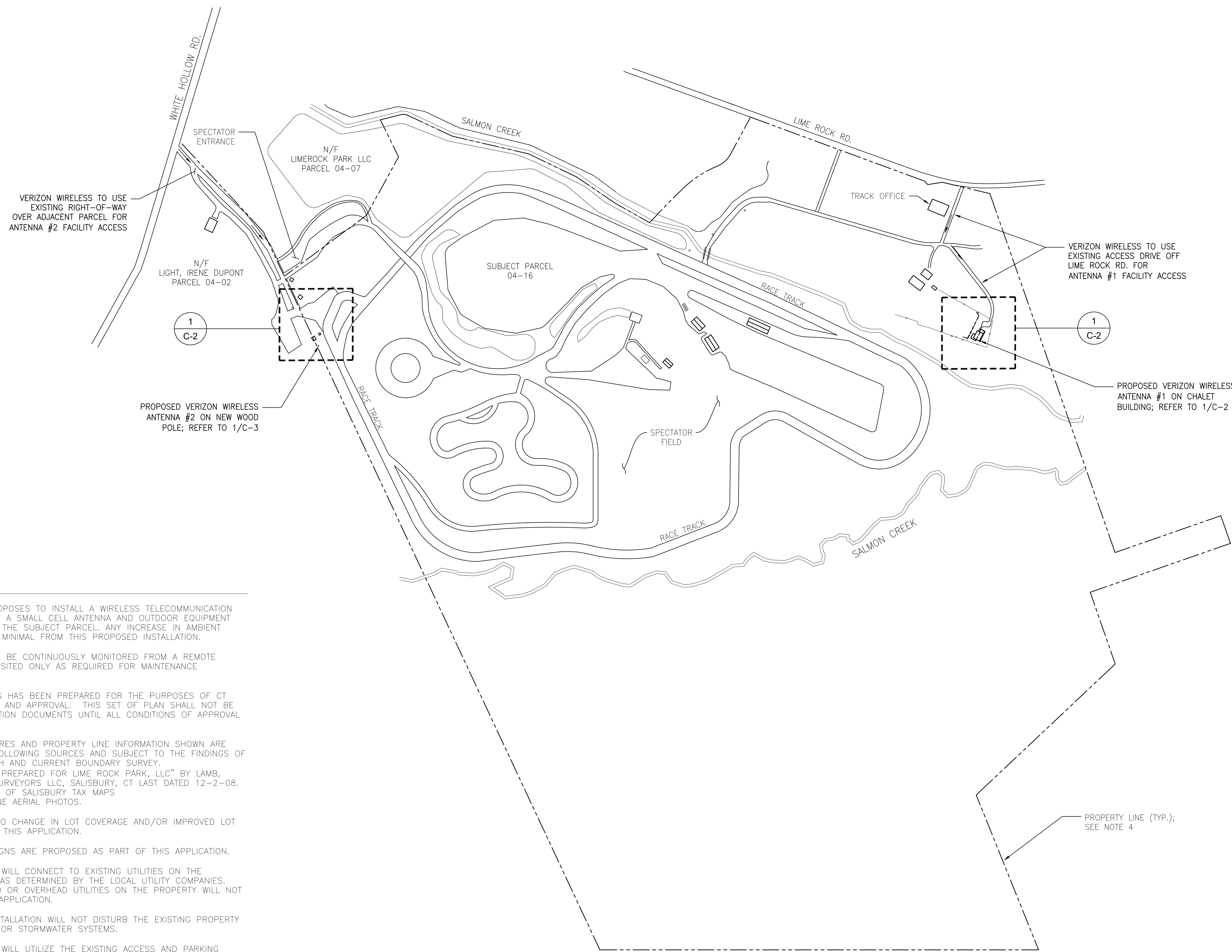


DRAWING SCHEDULE

SHEET NO.	SHEET DESCRIPTION
T-1	TITLE SHEET
C-1	SITE LAYOUT
C-2	ANTENNA #1 PLANS & ELEVATIONS
C-3	ANTENNA #2 PLAN & ELEVATION
C-4	DETAILS
C-5	ABUTTERS MAP & PROPERTY OWNER LIST

PROJECT DESCRIPTION

- INSTALLATION OF (2) SMALL CELL FACILITIES ON SUBJECT PARCEL
- ANTENNA #1 TO BE LOCATED ON THE EXISTING CHALET BUILDING
- ANTENNA #2 TO BE LOCATED ON A NEW WOOD POLE
- EACH LOCATION TO ALSO INCLUDE REMOTE RADIO UNITS, DIPLEXERS AND E/T PANELS WITHIN SMALL FENCED-IN AREAS AT BASE
- INSTALLATION OF CABLING FROM EQUIP. CABINETS TO ANTENNAS
- ELECTRICAL & TELEPHONE CONNECTIONS TO EXISTING UTILITY DEMARCATION POINTS



- GENERAL NOTES:
- (1) THE APPLICANT PROPOSES TO INSTALL A WIRELESS TELECOMMUNICATION FACILITY CONSISTING OF A SMALL CELL ANTENNA AND OUTDOOR EQUIPMENT AT TWO LOCATIONS ON THE SUBJECT PARCEL. ANY INCREASE IN AMBIENT NOISE LEVELS WILL BE MINIMAL FROM THIS PROPOSED INSTALLATION.
 - (2) THE FACILITY SHALL BE CONTINUOUSLY MONITORED FROM A REMOTE SWITCH FACILITY AND VISITED ONLY AS REQUIRED FOR MAINTENANCE PURPOSES.
 - (3) THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSES OF CT SITING COUNCIL REVIEW AND APPROVAL. THIS SET OF PLAN SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL CONDITIONS OF APPROVAL HAVE BEEN SATISFIED.
 - (4) SITE LAYOUT FEATURES AND PROPERTY LINE INFORMATION SHOWN ARE COMPILED FROM THE FOLLOWING SOURCES AND SUBJECT TO THE FINDINGS OF COMPLETE TITLE SEARCH AND CURRENT BOUNDARY SURVEY.
 - A. EXISTING "MAP PREPARED FOR LIME ROCK PARK, LLC" BY LAMB, KIEFER LAND SURVEYORS LLC, SALISBURY, CT LAST DATED 12-2-08.
 - B. CURRENT TOWN OF SALISBURY TAX MAPS
 - C. CURRENT ONLINE AERIAL PHOTOS.
 - (5) THERE SHALL BE NO CHANGE IN LOT COVERAGE AND/OR IMPROVED LOT COVERAGE AS PART OF THIS APPLICATION.
 - (6) NO COMMERCIAL SIGNS ARE PROPOSED AS PART OF THIS APPLICATION.
 - (7) VERIZON WIRELESS WILL CONNECT TO EXISTING UTILITIES ON THE PROPERTY OR NEARBY AS DETERMINED BY THE LOCAL UTILITY COMPANIES. EXISTING UNDERGROUND OR OVERHEAD UTILITIES ON THE PROPERTY WILL NOT BE AFFECTED BY THIS APPLICATION.
 - (8) THE PROPOSED INSTALLATION WILL NOT DISTURB THE EXISTING PROPERTY GRADING, TOPOGRAPHY OR STORMWATER SYSTEMS.
 - (9) VERIZON WIRELESS WILL UTILIZE THE EXISTING ACCESS AND PARKING AREAS AS PART OF THEIR FACILITY ACCESS.
 - (10) THE PROPOSED FACILITY IS UNMANNED AND THE PROPOSED USE IS NOT INTENDED FOR PERMANENT EMPLOYEE OCCUPANCY. AS SUCH, POTABLE WATER AND SANITARY SEWERS ARE NOT REQUIRED. NO LIGHTING IS PROPOSED.
 - (11) THE PROPOSED FACILITY WILL BE CONTAINED WITHIN WOOD STOCKADE FENCING AND AS SUCH, LANDSCAPING IS NOT PROPOSED.

1
C-1 **SITE LAYOUT**
Scale: 1" = 250'

Cellco Partnership
d/b/a Verizon Wireless



WIRELESS COMMUNICATIONS FACILITY
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

On Air Engineering, LLC

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Cold Spring, NY 10516
onair@optonline.net
201-456-4624

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CT LIC. NO. 22144

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1	10.06.17	REVISED PER CLIENT COMMENTS
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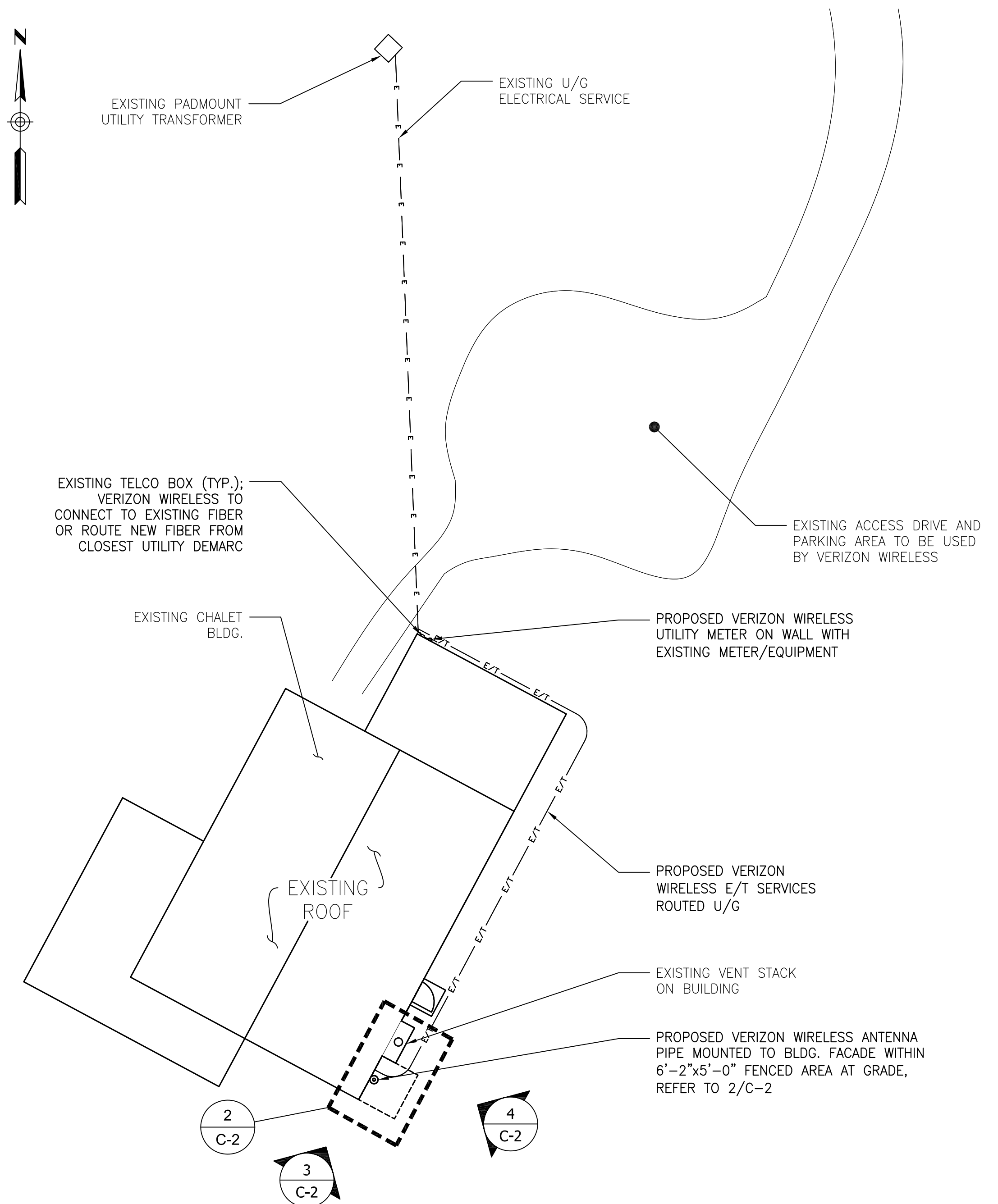
SITE NAME:
LIME ROCK PARK SC1 CT
LIME ROCK PARK SC2 CT

PROJECT DESCRIPTION:
SMALL CELL

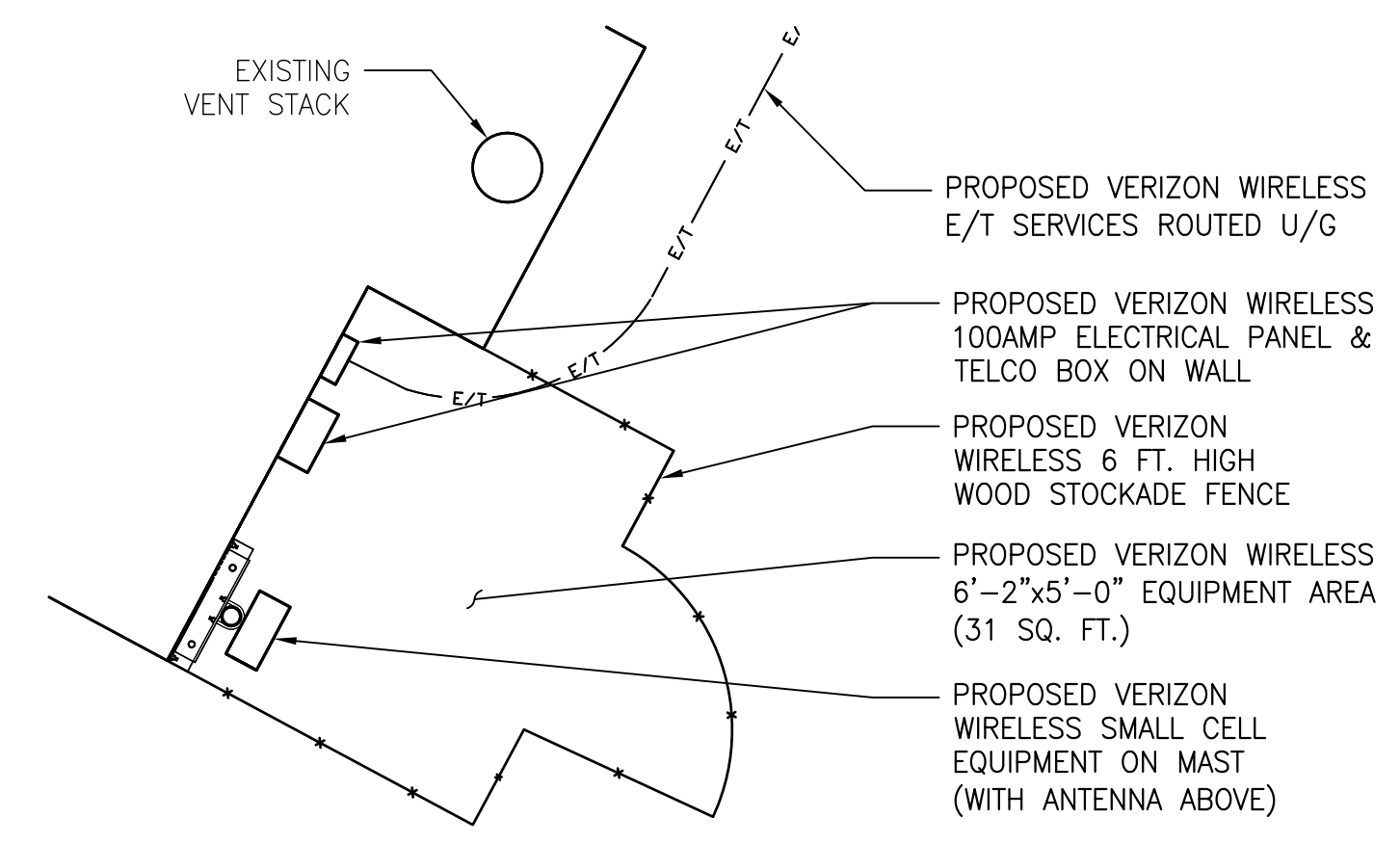
PROJECT INFORMATION:
LIME ROCK PARK
497 LIME ROCK RD.
LAKEVILLE, CT 06039
TOWN OF SALISBURY

DRAWING TITLE:
SITE LAYOUT

SHEET NUMBER:
C-1



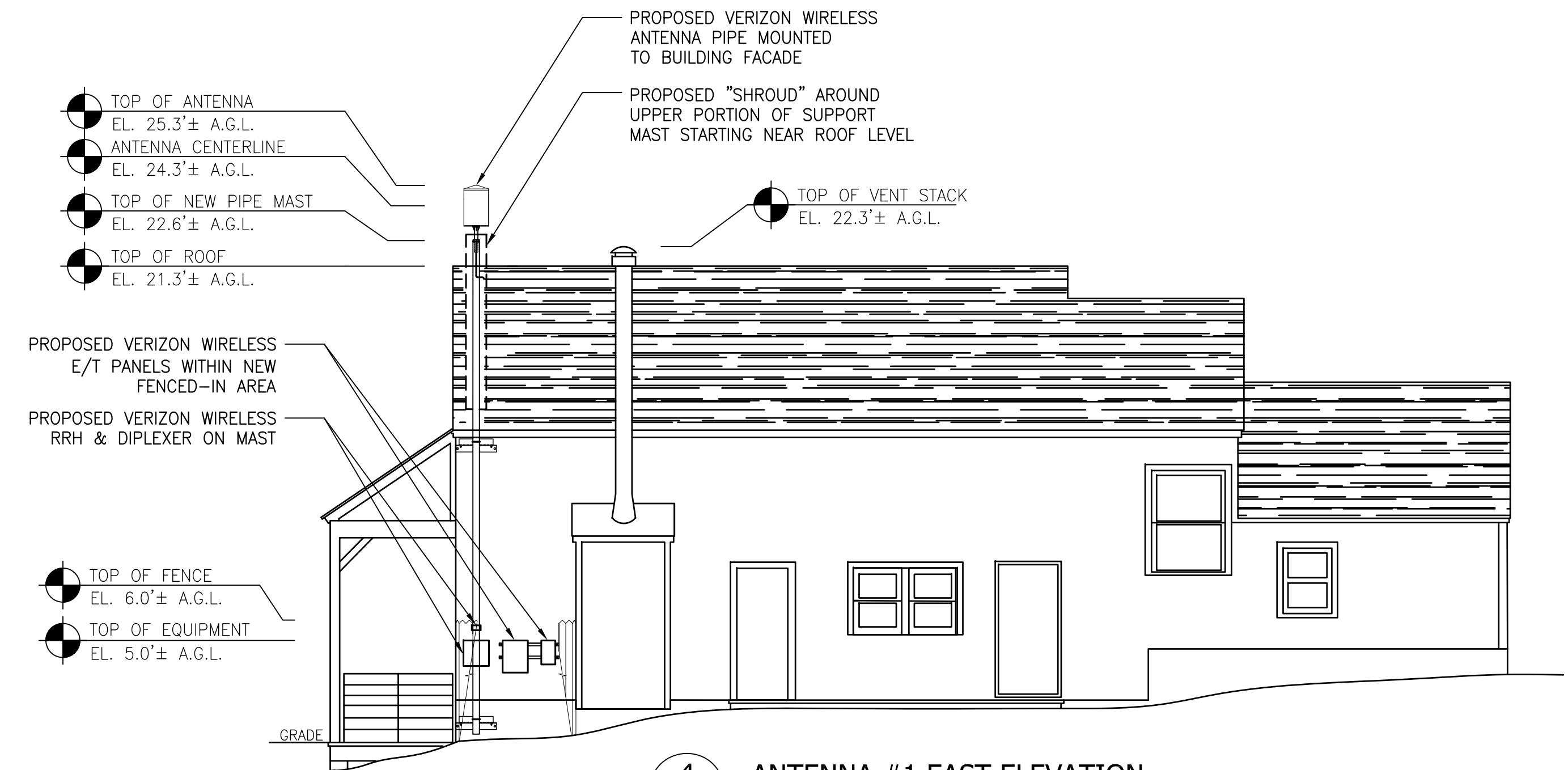
1 ENLARGED SITE LAYOUT ANTENNA #1
Scale: 1/8" = 1'-0"



2 EQUIPMENT PLAN
Scale: 3/8" = 1'-0"



3 ANTENNA #1 SOUTH ELEVATION
Scale: 3/16" = 1'-0"



4 ANTENNA #1 EAST ELEVATION
Scale: 3/16" = 1'-0"

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LIME ROCK PARK SC2 CT

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SMALL CELL

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497 LIME ROCK RD.
LAKEVILLE, CT 06039
TOWN OF SALISBURY

DRAWING TITLE:
ANTENNA #1
PLANS & ELEVATIONS

SHEET NUMBER:
C-2

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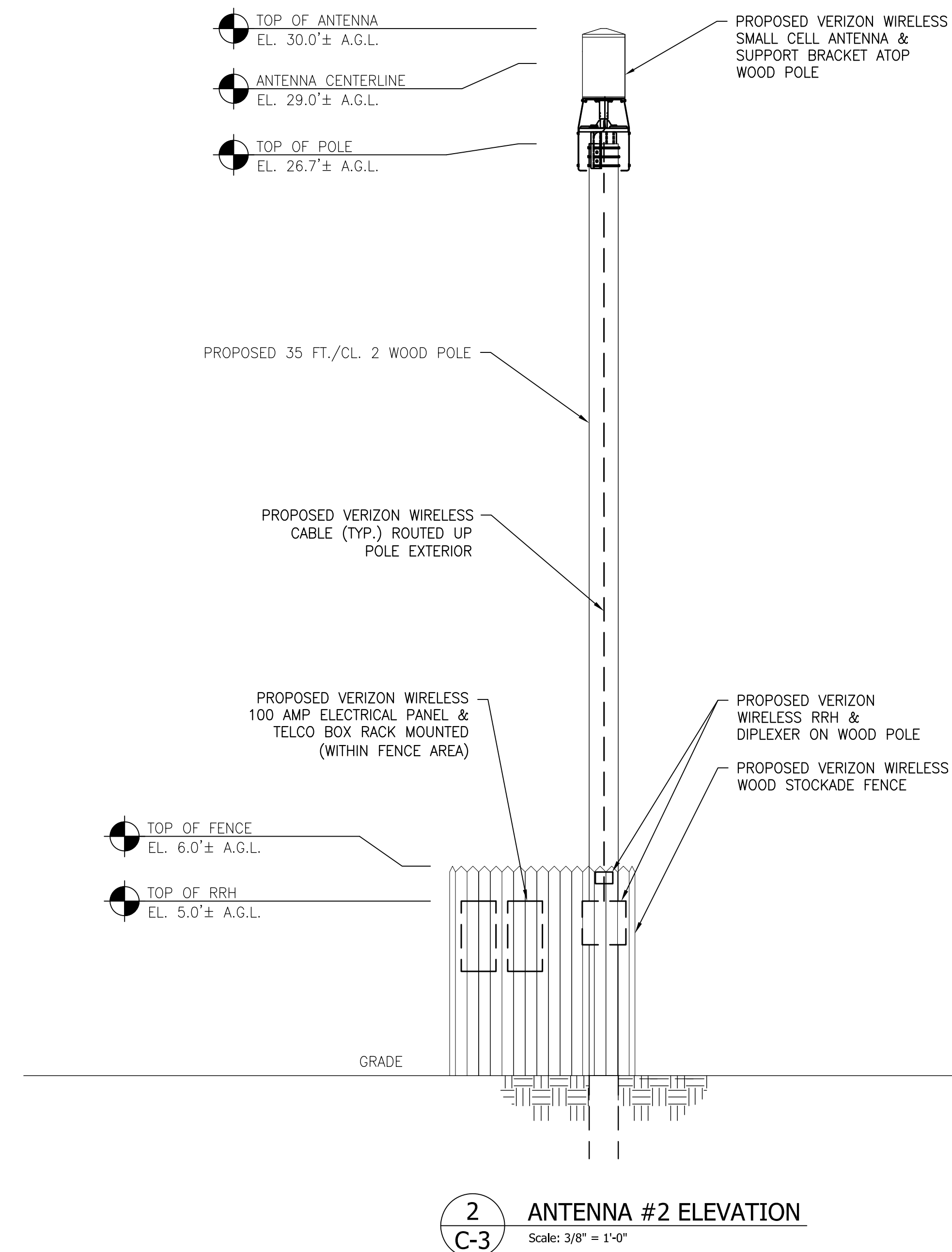
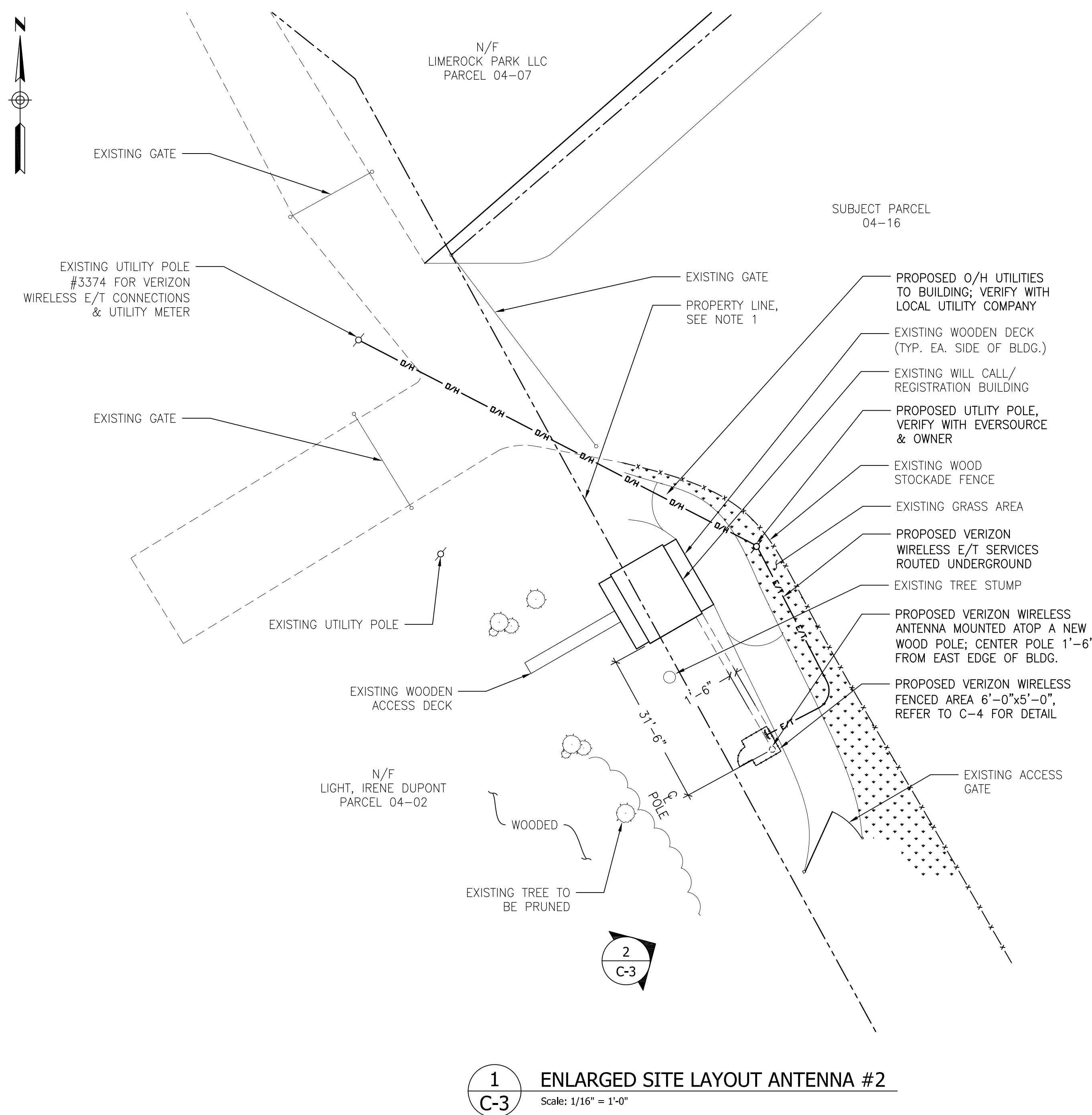
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LIME ROCK PARK SC1 CT
LIME ROCK PARK SC2 CT

PROJECT DESCRIPTION:
SMALL CELL

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LIME ROCK PARK
497 LIME ROCK RD.
LAKEVILLE, CT 06039
TOWN OF SALISBURY

DRAWING TITLE:
ANTENNA #2
PLAN & ELEVATION

SHEET NUMBER:
C-3



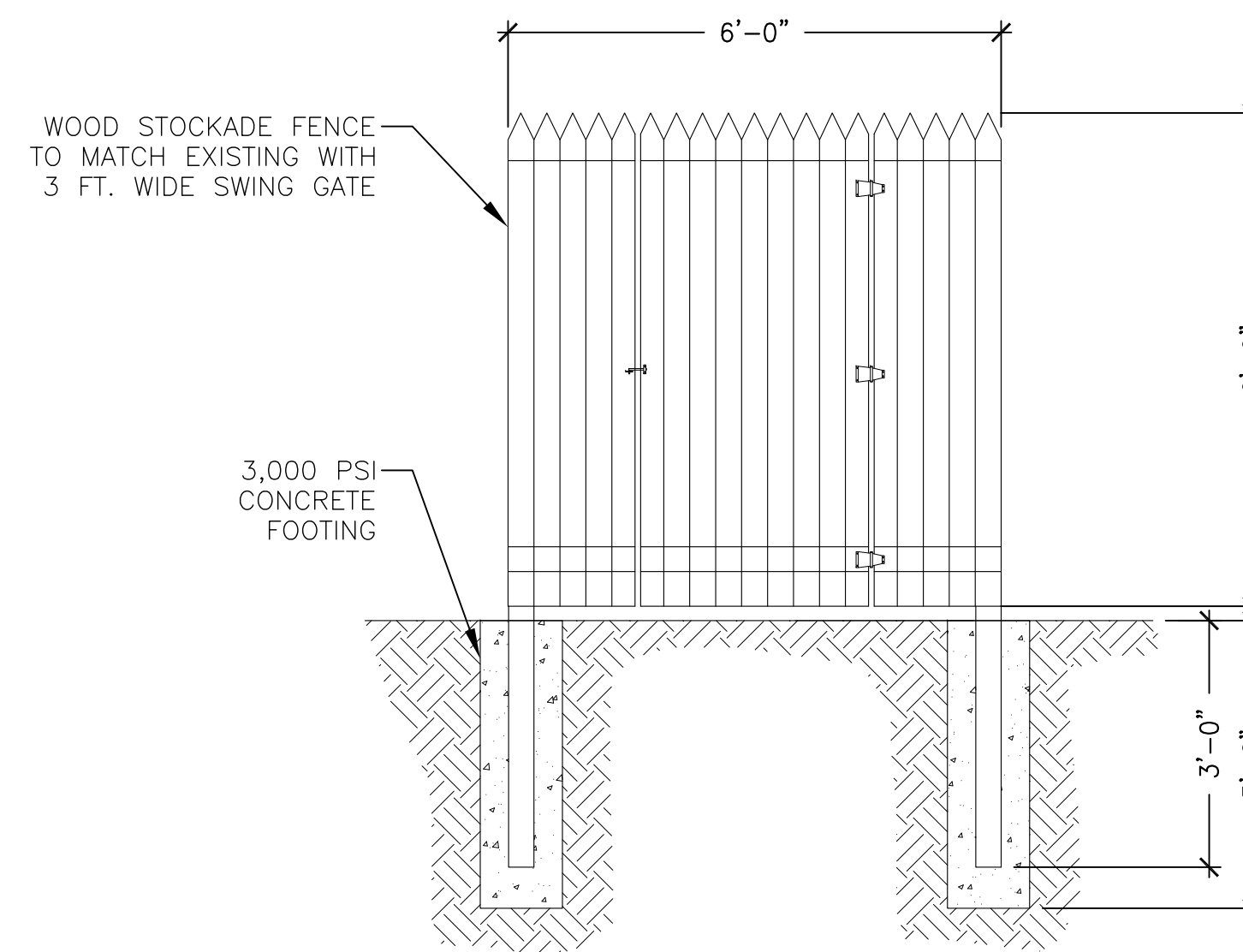
NOTES:

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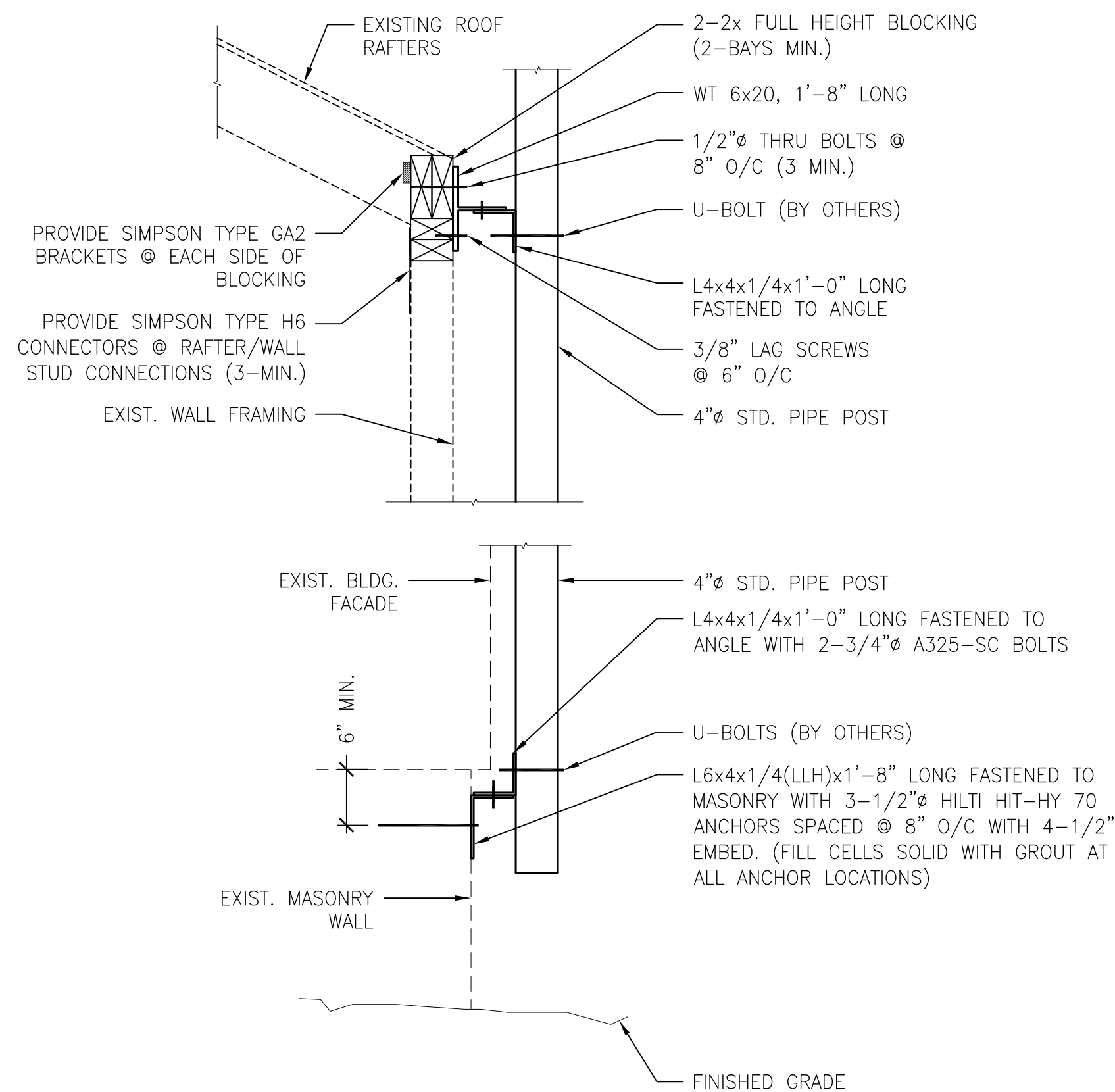


AMPHENOL ANTENNA SPECIFICATIONS			
MODEL #	HEIGHT	DIAMETER	WEIGHT
4U4MT360X06FxyS0	24"	14.6"	28 LBS

1 ANTENNA DETAIL
Scale: 1"=1'-0"



2 STOCKADE FENCE DETAIL
Scale: 1/2"=1'-0"



3 ANTENNA #1 ATTACHMENT DETAIL
Scale: 1"=1'-0"



RRH AWS/PCS SPECIFICATIONS			
HEIGHT	WIDTH	DEPTH	WEIGHT
15"	15"	10"	97.5 LBS

4 DUAL BAND RRH DETAIL
Scale: N.T.S



DIPLEXER SPECIFICATIONS				
MODEL #	HEIGHT	WIDTH	DEPTH	WEIGHT
SDX1926Q-43	4.17"	6.92"	2.91"	6.6"

5 DIPLEXER DETAIL
Scale: N.T.S

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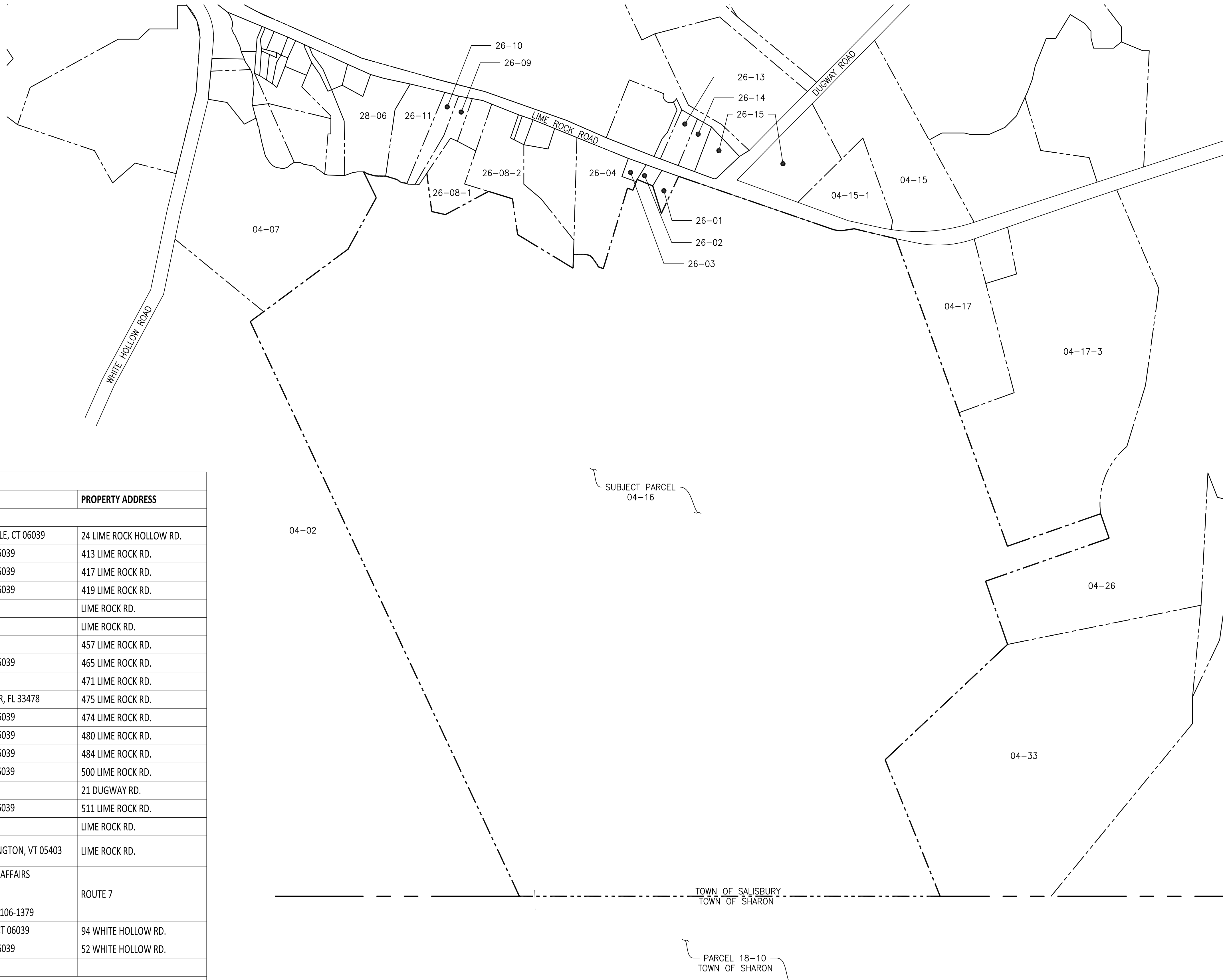
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LIME ROCK PARK SC2 CT

PROJECT DESCRIPTION:
SMALL CELL

PROJECT INFORMATION:
LIME ROCK PARK
497 LIME ROCK RD.
LAKEVILLE, CT 06039
TOWN OF SALISBURY

DRAWING TITLE:
DETAILS

SHEET NUMBER:
C-4



ABUTTERS LIST FROM PARCEL 04-16			
PARCEL #	OWNER NAME	OWNER MAILING ADDRESS	PROPERTY ADDRESS
TOWN OF SALISBURY ABUTTER LIST			
28-06	DIAMATTIA, GREG J.	24 LIME ROCK HOLLOW RD., LAKEVILLE, CT 06039	24 LIME ROCK HOLLOW RD.
26-11	NOYES, FRANK JR. & LINDA S.	413 LIME ROCK RD., LAKEVILLE, CT 06039	413 LIME ROCK RD.
26-10	FRANSON, CARL & DIANN	417 LIME ROCK RD., LAKEVILLE, CT 06039	417 LIME ROCK RD.
26-09	LEMAY, DANA R.	419 LIME ROCK RD., LAKEVILLE, CT 06039	419 LIME ROCK RD.
26-08-1	SKIP BARBER PROPERTIES LLC	PO BOX 600, LAKEVILLE, CT 06039	LIME ROCK RD.
26-08-2	SKIP BARBER PROPERTIES LLC	PO BOX 600, LAKEVILLE, CT 06039	LIME ROCK RD.
26-04	JACOBS, MARK	PO BOX 245, SALISBURY, CT 06068	457 LIME ROCK RD.
26-03	VAN DE BOGART, ROSE LINDA	465 LIME ROCK RD., LAKEVILLE, CT 06039	465 LIME ROCK RD.
26-02	EPWORTH, MARSDEN & ANTHONY	PO BOX 446, LAKEVILLE, CT 06039	471 LIME ROCK RD.
26-01	DIGIACOMO, THERESA	19016 SE OLD TRAIL DR EAST, JUPITER, FL 33478	475 LIME ROCK RD.
26-13	MEISSNER, PAUL & CONN, ELIZABETH	474 LIME ROCK RD., LAKEVILLE, CT 06039	474 LIME ROCK RD.
26-14	DEANGELIS, NICHOLAS G. & BONNIE A.	480 LIME ROCK RD., LAKEVILLE, CT 06039	480 LIME ROCK RD.
26-15	TRINITY EPISCOPAL CHURCH	484 LIME ROCK RD., LAKEVILLE, CT 06039	484 LIME ROCK RD.
04-15-1	SALVADORE, ANDREA T. & BURNS, JAMES	500 LIME ROCK RD., LAKEVILLE, CT 06039	500 LIME ROCK RD.
04-15	LAURETANO, MARK A, KATHLEEN W TRUSTEE	PO BOX 502, LAKEVILLE, CT 06039	21 DUGWAY RD.
04-17	MCCABE, SIEVERT A.	511 LIME ROCK RD., LAKEVILLE, CT 06039	511 LIME ROCK RD.
04-17-3	BERGDAHL, JOHN V. & MCNAMARA, GRACE	PO BOX 481, GILMANTON, NH 03237	LIME ROCK RD.
04-26	BELFER, JOHN H JR. & JAMES & THOMAS & BETTER, STEPHEN & TOREY, ANNE	2 COUNTRY CLUB RD., SOUTH BURLINGTON, VT 05403	LIME ROCK RD.
04-33	STATE OF CONNECTICUT	GARETH D. BYE, DIRECTOR OF LEGAL AFFAIRS OFFICE OF THE SECRETARY OFFICE OF POLICY & MANAGEMENT 450 CAPITOL AVE., HARTFORD, CT 06106-1379	ROUTE 7
04-02	LIGHT, IRENE DUPONT	94 WHITE HOLLOW RD., LAKEVILLE, CT 06039	94 WHITE HOLLOW RD.
04-07	LIME ROCK PARK LLC	497 LIME ROCK RD., LAKEVILLE, CT 06039	52 WHITE HOLLOW RD.
TOWN OF SHARON ABUTTER LIST			
18-10	STATE OF CONNECTICUT (VACANT LAND)	GARETH D. BYE, DIRECTOR OF LEGAL AFFAIRS OFFICE OF THE SECRETARY OFFICE OF POLICY & MANAGEMENT 450 CAPITOL AVE., HARTFORD, CT 06106-1379	W CORNWALL RD., SHARON, CT

NOTES TO ABUTTERS MAP & OWNERS LIST:
 1. ABUTTERS MAP IS COMPILED FROM THE TOWN OF SALISBURY ASSESSOR MAPS AVAILABLE ONLINE, JULY 2017.
 2. OWNER INFORMATION OBTAINED FROM TOWN OF SALISBURY ASSESSOR OFFICE ON JULY 22, 2017 AND REVISED PER ATTORNEY COMMENTS, SEPT. 2017.

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C-5 ABUTTERS MAP
 Scale: N.T.S.

Cellco Partnership
 d/b/a Verizon Wireless



WIRELESS COMMUNICATIONS FACILITY
 20 ALEXANDER DRIVE
 WALLINGFORD, CT 06492

On Air Engineering, LLC

88 Foundry Pond Road
 Cold Spring, NY 10516
 onair@optonline.net
 201-456-4624

LICENSURE

DAVID WEINPAHL, P.E.
 CT LIC. NO. 22144

NO.	DATE:	SUBMISSIONS
0	09.05.17	REVIEW
1	10.06.17	REVISED PER CLIENT COMMENTS
2	07.30.20	REVISED PER NEW RFDS

DRAWN BY:	CHECKED BY:
AS	DW

SITE NAME:
LIME ROCK PARK SC1 CT
LIME ROCK PARK SC2 CT

PROJECT DESCRIPTION:
SMALL CELL

PROJECT INFORMATION:
LIME ROCK PARK
497 LIME ROCK RD.
LAKEVILLE, CT 06039
TOWN OF SALISBURY

DRAWING TITLE:
ABUTTERS MAP &
PROPERTY OWNER LIST

SHEET NUMBER:
C-5

ATTACHMENT 3

General Power Density

Site Name: LIME ROCK PARK SC 1 CT
 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)	(%)
5G 28GHz	28000	0	0	0	24.3	0.0000	1.0	0.00%
VZW CBRS	3600	0	0	0	24.3	0.0000	1.0	0.00%
VZW PCS	1970	1	510	510	24.3	0.3106	1.0	31.06%
VZW Cellular LTE	869	0	0	0	24.3	0.0000	0.5793333333	0.00%
VZW Cellular	869	0	0	0	24.3	0.0000	0.5793333333	0.00%
VZW AWS	2145	1	510.00	510	24.3	0.3106	1.0	31.06%
VZW 700	746	0	0	0	24.3	0.0000	0.4973333333	0.00%

Total Percentage of Maximum Permissible Exposure

62.12%

*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.

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.

General Power Density

Site Name: LIME ROCK PARK SC 2 CT
 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)	(%)
5G 28GHz	28000	0	0	0	29	0.0000	1.0	0.00%
VZW CBRS	3600	0	0	0	29	0.0000	1.0	0.00%
VZW PCS	1970	1	510	510	29	0.2181	1.0	21.81%
VZW Cellular LTE	869	0	0	0	29	0.0000	0.5793333333	0.00%
VZW Cellular	869	0	0	0	29	0.0000	0.5793333333	0.00%
VZW AWS	2145	1	510.00	510	29	0.2181	1.0	21.81%
VZW 700	746	0	0	0	29	0.0000	0.4973333333	0.00%

Total Percentage of Maximum Permissible Exposure 43.62%

*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.

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.