STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:	:	
	:	
A PETITION OF CELLCO PARTNERSHIP	:	PETITION NO. ____
D/B/A VERIZON WIRELESS FOR A	:	
DECLARATORY RULING ON THE NEED TO	:	
OBTAIN A SITING COUNCIL CERTIFICATE	:	
FOR THE INSTALLATION OF A BACK-UP	:	
GENERATOR AT THE EXISTING WIRELESS	:	
FACILITY AT 80 LONETOWN ROAD IN	:	
REDDING, CONNECTICUT	:	JANUARY 7, 2015

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 no Certificate of Environmental Compatibility and Public Need ("Certificate") is required under Section 16-50k(a) of the Connecticut General Statutes ("C.G.S.") to install a new back-up generator at Cellco's existing "Redding" telecommunications facility at 80 Lonetown Road in Redding, Connecticut (the "Property"). The Property is owned by Andrew C. and Elizabeth C. Mound (the "Owners").

II. Factual Background

The existing Redding telecommunications facility was established in 1993. The facility consists of antennas attached at the 90-foot level of a 100-foot lattice tower and a 12' x 20' shelter on the ground adjacent to the tower. (*See* Attachment 1 – Aerial Photograph and Site

Schematic). Since 1993, Cellco has made numerous modifications to its Redding facility including antenna, equipment and tower upgrades. In an effort to improve network reliability in the Redding area, Cellco intends to expand its existing leased compound area and install a propane-fueled back-up generator and 1,000 gallon propane tank at this site. The proposed 100 kW generator will provide back-up power to Cellco's cell site and the Owners' residence. Generator specifications are included in Attachment 2. Cellco's Redding facility is one of the few remaining legacy cell sites in Connecticut that does not maintain any form of permanent back-up power (generator). To accommodate the new generator and propane fuel tank, Cellco will expand its existing leased compound by 580 square feet. The existing wooden compound fence will be extended to enclose and screen the new generator and propane tank. (*See* Project Plans 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 new ground-mounted back-up generator and 1,000 gallon propane fuel tank within an expanded facility compound will not

involve a significant alteration in the physical and environmental characteristics of the Property. Ground disturbance will be limited to the 508 square-foot compound expansion area. The generator and propane tank will be placed on separate concrete pads. The new expanded compound area will maintain a gravel surface and be surrounded by a wood/stockade fence.

2. Visual Effects

The new generator and propane tank will be screened by a 10-foot tall stockade fence that will surround the expanded facility compound. The existing and expanded facility compound will not be visible from adjacent residences due to significant natural vegetation surrounding the Property. The generator and propane tank are set back more than 90 feet from the nearest property line. (*See* Attachment 1).

B. Notice to the Town Council and Town Manager, Property Owners and Abutting Landowners

On January 6, 2015, a copy of this Petition was sent to Redding's First Selectwoman, Julia Pemberton. A copy of the Petition was also sent to Andrew C. and Elizabeth C. Mound, the Owners of the Property. Included in Attachment 4 is a copy of the letters sent to First Selectwoman Pemberton and the Owners of the Property. Notice of Cellco's intent to file this Petition was sent to the Owners of land that abuts the Property. A sample abutter's letter, and the list of those abutting landowners who were sent notice of the filing of the Petition is included in Attachment 5.

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 100 kW back-up generator and 1,000 gallon propane fuel tank at the Property 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

Approximate Proposed Compound Expansion

Aerial Photograph

Proposed Generator Installation
Redding CT
80 Longtown Road
Redding, Connecticut

N
W E
S

250 125 0 250
Feet

verizonwireless

ALL-POINTS

Map Notes:
Base Map Source: ESRI World Imagery; Microsoft 3/28/2011
Map Scale: 1 inch = 250 feet
Map Date: January 2015

Legend

- Approximate Parcel Boundary (CTDEEP GIS)
- Approximate Proposed Compound Expansion

Site Schematic

Proposed Generator Installation
Redding CT
80 Longtown Road
Redding, Connecticut

verizon wireless

ALL-POINTS

Map Notes:
Base Map Source: 2007 Pictometry Imagery
Map Scale: 1 inch = 50 feet
Map Date: January 2015

50 25 0 50 Feet

ATTACHMENT 2

GENERAC® | INDUSTRIAL POWER

SG100 100 kW

SG100

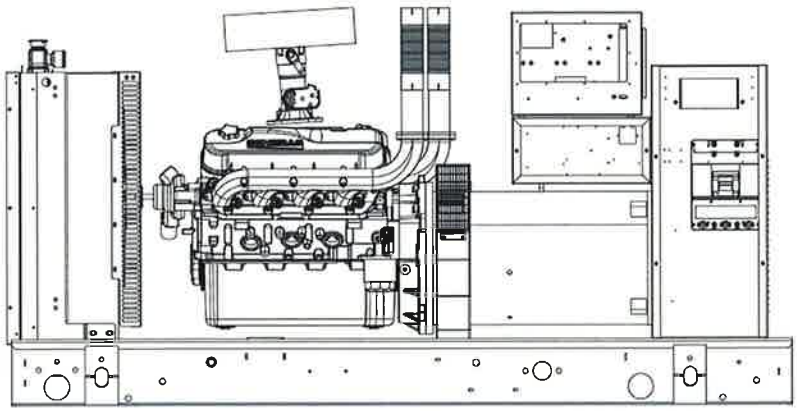
9.0L

Industrial Spark-Ignited Generator Set

EPA Certified Stationary Emergency

Standby Power Rating
100 kW 125 kVA 60 Hz

Prime Power Rating*
90 kW 113 kVA 60 Hz



*EPA Certified Prime ratings are not available in the U.S. or its Territories

Image used for illustration purposes only

Codes and Standards

Generac products are designed to the following standards:

UL2200, UL508, UL142, UL498

NFPA70, 99, 110, 37

NEC700, 701, 702, 708

ISO9001, 8528, 3046, 7637, Pluses #2b, 4

NEMA ICS10, MG1, 250, ICS6, AB1

ANSI C62.41

American National Standards Institute

IBC 2009, CBC 2010, IBC 2012, ASCE 7-05, ASCE 7-10, ICC-ES AC-156 (2012)

Powering Ahead

For over 50 years, Generac has led the industry with innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac's gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial application under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

GENERAC | INDUSTRIAL POWER

SG100

Standard Features

ENGINE SYSTEM

General

- Oil Drain Extension
- Air Cleaner
- Fan Guard
- Stainless Steel flexible exhaust connection
- Critical Exhaust Silencer
- Factory Filled Oil
- Radiator duct adapter (open set only)

Fuel System

- Primary and Secondary Fuel Shutoff
- Flexible Fuel Line - NPT Connection

Cooling System

- Closed Coolant Recovery System
- UV/Ozone resistant hoses
- Factory-installed Radiator
- Radiator drain extension
- 50/50 Ethylene glycol antifreeze

Engine Electrical System

- Battery charging alternator
- Battery Cables
- Battery Tray
- Solenoid activated starter motor
- Rubber-booted engine electrical connections

ALTERNATOR SYSTEM

- UL2200 GENprotect™
- Class H insulation material
- 2/3 Pitch
- Skewed Stator
- Brushless Excitation
- Sealed Bearings
- Amortisseur winding
- Full load capacity alternator

GENERATOR SET

- Internal Genset Vibration Isolation
- Separation of circuits - high/low voltage
- Separation of circuits - multiple breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby rated Units)
- 1 Year Warranty (Prime rated units)
- Silencer mounted in the discharge hood (enclosed only)

ENCLOSURE (if selected)

- Rust-proof fasteners with nylon washers to protect finish
- High performance sound-absorbing material
- Gasketed doors
- Stamped air-intake louvers
- Air discharge hoods for radiator-upward pointing
- Stainless steel lift off door hinges
- Stainless steel lockable handles
- Rhino Coat™ - Textured polyester powder coat

CONTROL SYSTEM

Control Panel

- Digital H Control Panel - Dual 4x20 Display
- Programmable Crank Limiter
- 7-Day Programmable Exerciser
- Special Applications Programmable PLC
- RS-232/485
- All-Phase Sensing DVR
- Full System Status
- Utility Monitoring
- Low Fuel Pressure Indication
- 2-Wire Start Compatible
- Power Output (kW)
- Power Factor
- kW Hours, Total & Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltage
- All Phase Currents
- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Speed
- Battery Voltage
- Frequency
- Date/Time Fault History (Event Log)
- Isochronous Governor Control
- Waterproof/sealed Connectors
- Audible Alarms and Shutdowns
- Not in Auto (Flashing Light)
- Auto/Off/Manual Switch
- E-Stop (Red Mushroom-Type)
- NFPA110 Level I and II (Programmable)
- Customizable Alarms, Warnings, and Events
- Modbus protocol
- Predictive Maintenance algorithm
- Sealed Boards
- Password parameter adjustment protection
- Single point ground
- 15 channel data logging
- 0.2 msec high speed data logging
- Alarm information automatically comes up on the display

Alarms

- Oil Pressure (Pre-programmable Low Pressure Shutdown)
- Coolant Temperature (Pre-programmed High Temp Shutdown)
- Coolant Level (Pre-programmed Low Level Shutdown)
- Low Fuel Pressure Alarm
- Engine Speed (Pre-programmed Over speed Shutdown)
- Battery Voltage Warning
- Alarms & warnings time and date stamped
- Alarms & warnings for transient and steady state conditions
- Snap shots of key operation parameters during alarms & warnings
- Alarms and warnings spelled out (no alarm codes)

SG100

Configurable Options

ENGINE SYSTEM

General

- ○ Engine Block Heater
- ○ Oil Heater
- ○ Air Filter Restriction Indicator
- ○ Stone Guard (Open Set Only)

Engine Electrical System

- ○ 10A UL battery charger
- ○ 2.5A UL battery charger
- ○ Battery Warmer

ALTERNATOR SYSTEM

- ○ Alternator Upsizing
- ○ Anti-Condensation Heater
- ○ Tropical coating
- ○ Permanent Magnet Excitation

GENERATOR SET

- ○ Gen-Link Communications Software (English Only)
- ○ Extended Factory Testing (3 Phase Only)
- ○ IBC Seismic Certification
- ○ 8 Position Load Center
- ○ 2 Year Extended Warranty
- ○ 5 Year Warranty
- ○ 5 Year Extended Warranty

CIRCUIT BREAKER OPTIONS

- ○ Main Line Circuit Breaker
- ○ 2nd Main Line Circuit Breaker
- ○ Shunt Trip and Auxiliary Contact
- ○ Electronic Trip Breakers

ENCLOSURE

- ○ Standard Enclosure
- ○ Level 1 Sound Attenuation
- ○ Level 2 Sound Attenuation
- ○ Steel Enclosure
- ○ Aluminum Enclosure
- ○ 150 MPH Wind Kit
- ○ 12 VDC Enclosure Lighting Kit
- ○ 120 VAC Enclosure Lighting Kit
- ○ AC/DC Enclosure Lighting Kit
- ○ Door Alarm Switch

CONTROL SYSTEM

- ○ 21-Light Remote Annunciator
- ○ Remote Relay Panel (8 or 16)
- ○ Oil Temperature Sender with Indication Alarm
- ○ Remote E-Stop (Break Glass-Type, Surface Mount)
- ○ Remote E-Stop (Red Mushroom-Type, Surface Mount)
- ○ Remote E-Stop (Red Mushroom-Type, Flush Mount)
- ○ Remote Communication - Modem
- ○ Remote Communication - Ethernet
- ○ 10A Run Relay
- ○ Ground fault indication and protection functions

Engineered Options

ENGINE SYSTEM

- ○ Coolant heater ball valves
- ○ Fluid containment pans

ALTERNATOR SYSTEM

- ○ 3rd Breaker Systems

GENERATOR SET

- ○ Special Testing
- ○ Battery Box

ENCLOSURE

- ○ Motorized Dampers
- ○ Enclosure Ambient Heaters

CONTROL SYSTEM

- ○ Spare inputs (x4) / outputs (x4) - H Panel Only
- ○ Battery Disconnect Switch

Rating Definitions

Standby – Applicable for a varying emergency load for the duration of a utility power outage with no overload capability.
Prime – Applicable for supplying power to a varying load in lieu of utility for an unlimited amount of running time. A 10% overload capacity is available for 1 out of every 12 hours. The Prime Power option is only available on International applications.

Power ratings in accordance with ISO 8528-1, Second Edition dated 2005-06-01, definitions for Prime Power (PRP) and Emergency Standby Power (ESP).

GENERAC | INDUSTRIAL POWER

SG100 application and engineering data

ENGINE SPECIFICATIONS

General

Make	Generac
Cylinder #	8
Type	V
Displacement - L (Cu In)	8.9L (540)
Bore - mm (in)	114.31 (4.5)
Stroke - mm (in)	107.15 (4.25)
Compression Ratio	10.5:1
Intake Air Method	Naturally Aspirated
Number of Main Bearings	5
Connecting Rods	Forged
Cylinder Head	Cast Iron
Cylinder Liners	No
Ignition	High Energy
Pistons	Aluminum Alloy
Crankshaft	Steel
Lifter Type	Hydraulic Roller
Intake Valve Material	Steel Alloy
Exhaust Valve Material	Stainless Steel
Hardened Valve Seats	Yes

Engine Governing

Governor	Electronic
Frequency Regulation (Steady State)	+/- 0.25%

Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full-flow spin-on cartridge
Crankcase Capacity - L (qts)	8.5 (8.0)

Cooling System

Cooling System Type	Pressurized Closed
Water Pump Flow - gpm (lpm)	26 (98)
Fan Type	Pusher
Fan Speed (rpm)	2330
Fan Diameter mm (in)	558 (22)
Coolant Heater Wattage	1500
Coolant Heater Standard Voltage	120 V

Fuel System

Fuel Type	Natural Gas, Propane Vapor
Carburetor	Down Draft
Secondary Fuel Regulator	Standard
Fuel Shut Off Solenoid	Standard
Operating Fuel Pressure	11" - 14" H2O

Engine Electrical System

System Voltage	12 VDC
Battery Charging Alternator	Standard
Battery Size	See Battery Index 0161970SBY
Battery Voltage	12 VDC
Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Standard Model	390 mm
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	<5%
Telephone Interference Factor (TIF)	< 50
Standard Excitation	Brushless
Bearings	Sealed Ball
Coupling	Direct Drive
Prototype Short Circuit Test	Yes

Voltage Regulator Type	Full Digital
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	+/- 0.25%

SG100 operating data

POWER RATINGS

	Natural Gas		Propane Vapor	
Single-Phase 120/240 VAC @1.0pf	100 kW	Amps: 417	100 kW	Amps: 417
Three-Phase 120/208 VAC @0.8pf	100 kW	Amps: 347	100 kW	Amps: 347
Three-Phase 120/240 VAC @0.8pf	100 kW	Amps: 301	100 kW	Amps: 301
Three-Phase 277/480 VAC @0.8pf	100 kW	Amps: 150	100 kW	Amps: 150
Three-Phase 346/600 VAC @0.8pf	100 kW	Amps: 120	100 kW	Amps: 120

STARTING CAPABILITIES (sKVA)

sKVA vs. Voltage Dip

		480VAC						208/240VAC					
Alternator	kW	10%	15%	20%	25%	30%	35%	10%	15%	20%	25%	30%	35%
Standard	100	79	118	157	197	236	275	59	89	118	148	177	206
Upsize 1	130	116	174	232	290	348	406	87	131	174	218	261	305

FUEL CONSUMPTION RATES*

Natural Gas – ft³/hr (m³/hr)	
Percent Load	Standby
25%	391 (11.1)
50%	669 (19.0)
75%	904 (25.6)
100%	1116 (31.6)

Propane Vapor – ft³/hr (m³/hr)	
Percent Load	Standby
25%	157.4 (4.5)
50%	269.9 (7.6)
75%	364.4 (10.3)
100%	449.8 (12.7)

*Fuel supply installation must accommodate fuel consumption rates at 100% load.

COOLING

		Standby
Air Flow (inlet air combustion and radiator)	ft³/min (m³/min)	5797 (164.2)
Coolant Flow per Minute	gpm (lpm)	26 (98)
Coolant System Capacity	gal (L)	6.0 (22.7)
Heat Rejection to Coolant	BTU/hr	390,000
Max. Operating Air Temp on Radiator	°F (°C)	122 (50)
Maximum Radiator Backpressure	in H_2O	0.5

COMBUSTION AIR REQUIREMENTS

		Standby
Flow at Rated Power	cfm (m3/min)	282 (7.9)

ENGINE

		Standby
Rated Engine Speed	rpm	1800
Horsepower at Rated kW**	hp	149
Piston Speed	ft/min (m/min)	1275 (389)
BMEP	psi	125

** Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

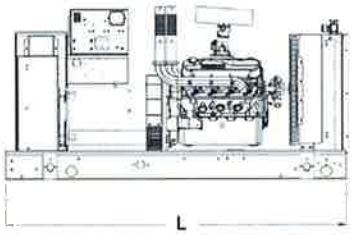
EXHAUST

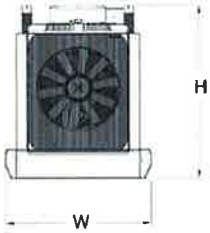
		Standby
Exhaust Flow (Rated Output)	cfm (m³/min)	866 (24.5)
Maximum Recommended Back Pressure	inHg	1.5
Exhaust Temp (Rated Output)	°F (°C)	1230 (666)
Exhaust Outlet Size (Open Set)	in	2.5"I.D Flex x 2 (No Muffler)

Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions. Please consult a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528 and DIN6271 standards.

GENERAC | INDUSTRIAL POWER

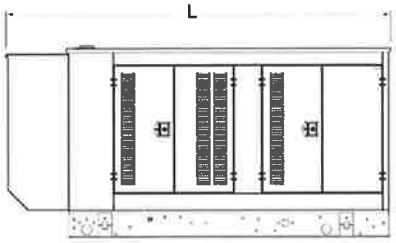
SG100 dimensions, weights, and sound levels

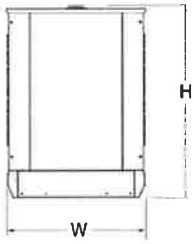




OPEN SET (Includes Exhaust Flex)

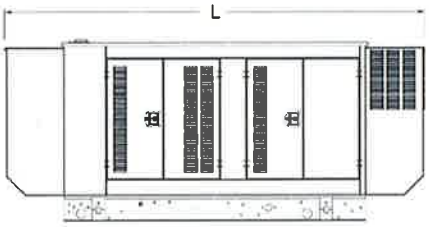
L x W x H in (mm)	94.2 (2394) x 40 (1016) x 47.5 (1206)
Weight lbs (kg)	2064 (936.2)
Sound Level (dBA*)	83.8

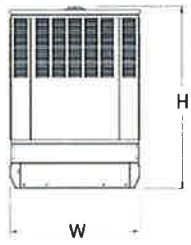




STANDARD ENCLOSURE

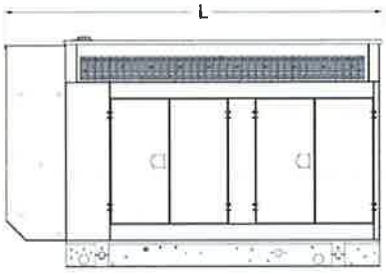
L x W x H in (mm)	111.79 (2839.5) x 40.46 (1027.8) x 56.18 (1427)
Weight lbs (kg)	Steel: 2708 (1228) Aluminum: 2413 (1094)
Sound Level (dBA*)	79.7

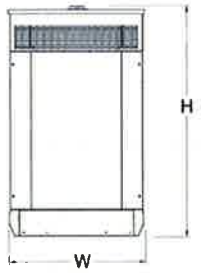




LEVEL 1 ACOUSTIC ENCLOSURE

L x W x H in (mm)	129.42 (3287.2) x 40.46 (1027.8) x 56.18 (1427)
Weight lbs (kg)	Steel: 2798 (1269.2) Aluminum: 2355 (1068)
Sound Level (dBA*)	75.3





LEVEL 2 ACOUSTIC ENCLOSURE

L x W x H in (mm)	111.81 (2840) x 40.46 (1027.8) x 68.61 (1742.8)
Weight lbs (kg)	Steel: 3022 (1370.8) Aluminum: 2431 (1103)
Sound Level (dBA*)	70.8

*All measurements are approximate and for estimation purposes only. Sound levels measured at 23 ft (7 m) and does not account for ambient site conditions.

YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

Specification characteristics may change without notice. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings.

Generac Power Systems, Inc. • S45 W29290 HWY. 59, Waukesha, WI 53189 • generac.com

ATTACHMENT 3

Cellco Partnership

d.b.a. verizon wireless

WIRELESS COMMUNICATIONS FACILITY

REDDING

80 LONETOWN ROAD

REDDING, CT 06896

SITE DIRECTIONS

FROM: 99 EAST RIVER DRIVE, EAST HARTFORD, CONNECTICUT **TO:** 80 LONETOWN ROAD, REDDING, CT 06896

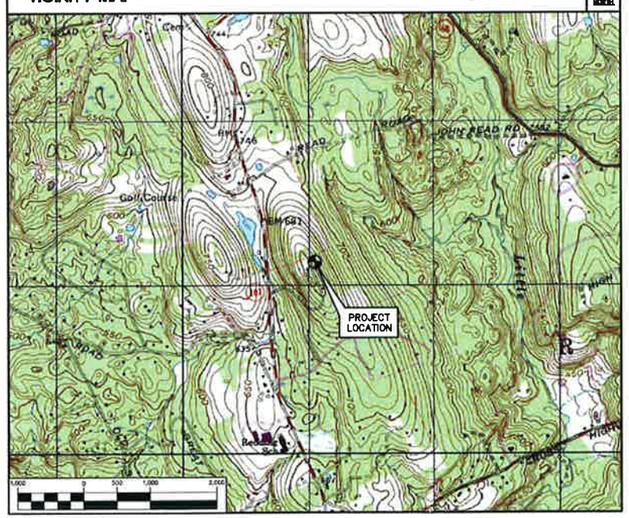
1. Head East on E River Dr toward Darlin St	0.3 mi
2. Turn left to stay on E River Dr	354 ft
3. Take the first left onto Connecticut Blvd	0.2 mi
4. Turn left onto Route 84 W ramp to Hartford/Route 91	482 ft
5. Merge onto I-84	51.1 mi
6. Take exit 9 for CT-25 toward Brookfield	0.3 mi
7. Turn left onto CT-25 S	0.5 mi
8. Turn right onto State Rte 6/US-6 W, continue to follow US-6 W	1.4 mi
9. Turn left onto Old Hawleyville Road	2.4 mi
10. Turn right onto CT-302 W/Dodgingtown Rd	1.3 mi
11. Turn left onto CT-58 S/Putnam Park Road	2.8 mi
12. Turn right onto CT-107 W, destination will be on the left	1.8 mi

PROJECT SCOPE

1. THE PROPOSED SCOPE OF WORK GENERALLY INCLUDES A 560 SQ. FT. EXPANSION OF THE EXISTING COMPOUND IN WHICH A 1000 GALLON PROPANE TANK ON A CONCRETE PAD AND 100KW GENERATOR ON A CONCRETE PAD ARE TO BE INSTALLED.
2. PROPOSED UTILITIES SHALL BE ROUTED UNDERGROUND FROM THE PROPOSED DEMARCATION POINT LOCATED ADJACENT THE COMPOUND TO THE EXISTING CELLCO PARTNERSHIP EQUIPMENT SHELTER.
3. THE PROPOSED WIRELESS FACILITY INSTALLATION WILL BE DESIGNED IN ACCORDANCE WITH THE 2003 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2009 CONNECTICUT SUPPLEMENT.
4. THERE WILL NOT BE ANY LIGHTING UNLESS REQUIRED BY THE FCC OR THE FAA.
5. THERE WILL NOT BE ANY SIGNS OR ADVERTISING ON THE ANTENNAS OR EQUIPMENT.

VICINITY MAP

SCALE: 1" = 1000'



PROJECT SUMMARY

SITE NAME:	REDDING
SITE ADDRESS:	80 LONETOWN ROAD REDDING, CT 06896
LESSEE/TENANT:	CELLCO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT 06108
CONTACT PERSON:	SANDY CARTER CELLCO PARTNERSHIP (860) 803-8219
TOWER COORDINATES:	LATITUDE 41°-19'-04.0" LONGITUDE 73°-23'-00.0" GROUND ELEVATION: 804' ± A.M.S.L. COORDINATES & GROUND ELEVATION ARE BASED ON CONNECTICUT SITING COUNCIL DATABASE.

SHEET INDEX

SHT. NO.	DESCRIPTION	REV. NO.
T-1	TITLE SHEET	0
C-1	SITE / COMPOUND PLANS AND ELEVATION	0
C-2	DETAILS	0

PROFESSIONAL ENGINEER SEAL

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
0	12/22/14	CTP	HMR	ISSUED FOR CSC - CLIENT REVIEW

Cellco Partnership d.b.a. verizon wireless

CENTEK engineering
Centered on Solutions
(203) 488-0580
(203) 488-8587 Fax
63-2 North Branford Road
Branford, CT 06405
www.CentekEng.com

Cellco Partnership d/b/a Verizon Wireless

WIRELESS COMMUNICATIONS FACILITY

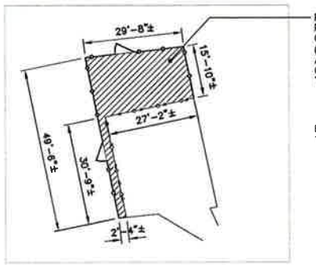
REDDING

80 LONETOWN ROAD
REDDING, CT 06896

DATE: 12/22/14
SCALE: AS NOTED
JOB NO. 14138.000

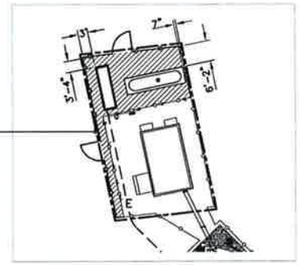
TITLE SHEET

T-1



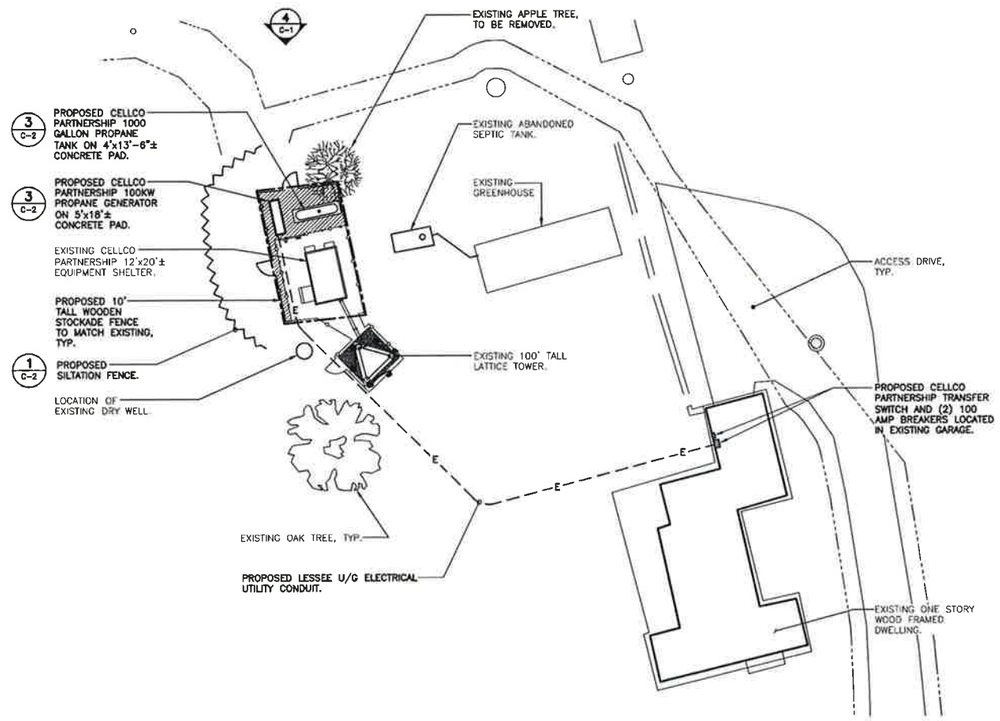
PROPOSED CELLCO PARTNERSHIP 580 SQ. FT. COMPOUND EXPANSION (LINE HATCHED AREA) TO ACCOMMODATE PROPOSED GENERATOR AND PROPANE TANK. (2 / C-2)

EXISTING CELLCO PARTNERSHIP 1500 SQ. FT. LEASE AREA.



2 / C-1 COMPOUND EXPANSION PLAN
SCALE: 1" = 20'-0"

3 / C-1 COMPOUND SITE PLAN
SCALE: 1" = 20'-0"

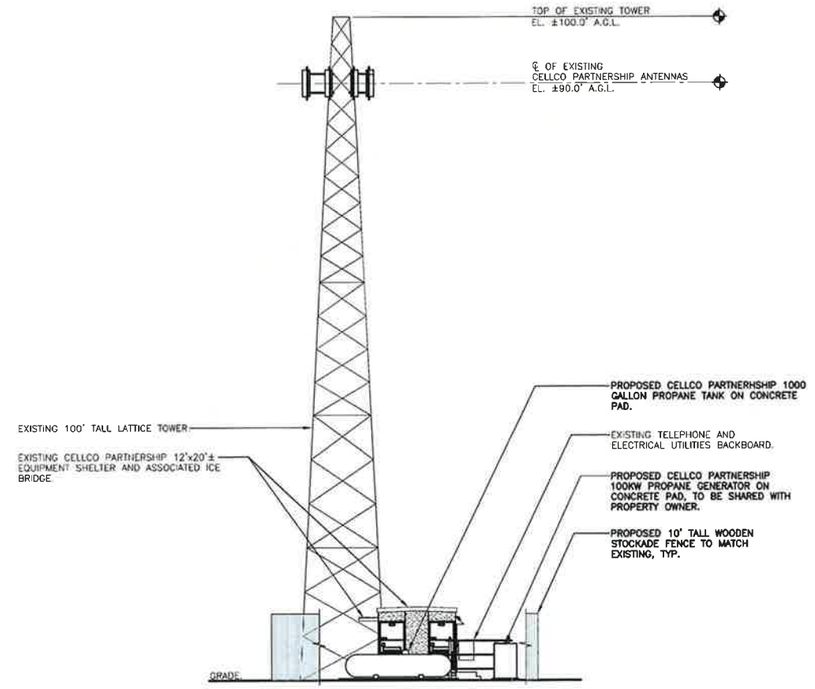


1 / C-1 PARTIAL SITE PLAN - PROPOSED
SCALE: 1" = 25'

APPROXIMATE NORTH

GRAPHIC SCALE
25 0 12.5 25 50 100
(IN FEET)
1 inch = 25 ft.

NOTE:
1. EXISTING ACTIVE SEPTIC TANK AND LEECH FIELD SYSTEM LOCATED EAST OF THE ACCESS DRIVE.



4 / C-1 NORTH ELEVATION - PROPOSED
SCALE: 1" = 10'

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
0	12/22/14	CTP	HMR	ISSUED FOR CSC - CLIENT REVIEW

PROFESSIONAL ENGINEER SEAL

Cellco Partnership d/b/a Verizon Wireless

CENTEK engineering
Centered on Solutions
(203) 488-0580
(203) 488-8587 Fax
63-2 North Branford Road
Branford, CT 06405
www.CentekEng.com

Cellco Partnership d/b/a Verizon Wireless
WIRELESS COMMUNICATIONS FACILITY
REDDING
80 LONETOWN ROAD
REDDING, CT 06896

DATE: 12/22/14
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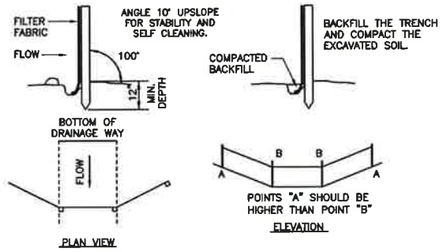
SITE / COMPOUND PLANS AND ELEVATION

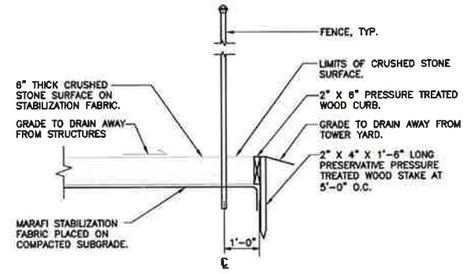
C-1
Sheet No. 2 of 3



SOURCE: U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, STORRS, CONNECTICUT

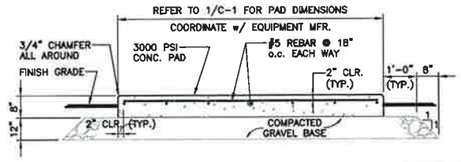
1 C-2 PLACEMENT AND CONSTRUCTION SILTATION FENCE

NOT TO SCALE



2 C-2 COMPOUND SURFACING DETAIL

NOT TO SCALE



3 C-2 CONCRETE PAD DETAIL

NOT TO SCALE

NOTE:

1. EQUIPMENT TO BE TIED DOWN TO CONCRETE PAD PER MANUFACTURERS SPECIFICATIONS.

SOIL EROSION AND SEDIMENT CONTROL SEQUENCE

1. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS CONSTRUCTION ENTRANCE / ANTI TRACKING PAD, SILTATION FENCE, AND SILTATION FENCE / HAY BALE SHALL BE IN PLACE PRIOR TO ANY GRADING ACTIVITY, INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES. MEASURES SHALL BE LEFT IN PLACE AND MAINTAINED UNTIL CONSTRUCTION IS COMPLETED AND/OR AREA IS STABILIZED.
2. LAND DISTURBANCE WILL BE KEPT TO A MINIMUM AND RESTABILIZATIONS WILL BE SCHEDULED AS SOON AS PRACTICAL.
3. ALL SOIL EROSION AND SEDIMENT CONTROL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL INCLUDING THE LATEST DATE FROM THE COUNCIL ON SOIL AND WATER CONSERVATION.
4. ANY ADDITIONAL EROSION/SEDIMENTATION CONTROL DEEMED NECESSARY BY TOWN STAFF DURING CONSTRUCTION, SHALL BE INSTALLED BY THE DEVELOPER. IN ADDITION, THE DEVELOPER SHALL BE RESPONSIBLE FOR THE REPAIR/REPLACEMENT/MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL ALL DISTURBED AREAS ARE STABILIZED TO THE SATISFACTION OF THE TOWN STAFF.
5. IN ALL AREAS, REMOVAL OF TREES, BUSHES AND OTHER VEGETATION AS WELL AS DISTURBANCE OF THE SOIL IS TO BE KEPT TO AN ABSOLUTE MINIMUM WHILE ALLOWING PROPER DEVELOPMENT OF THE SITE. DURING CONSTRUCTION, EXPOSE AS SMALL AN AREA OF SOIL AS POSSIBLE FOR AS SHORT A TIME AS POSSIBLE.
6. SILTATION FENCE SHALL BE PLACED AS INDICATED BEFORE A CUT SLOPE HAS BEEN CREATED. SEDIMENT DEPOSITS SHOULD BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDES OF SILTATION FENCE. THIS MATERIAL IS TO BE SPREAD AND STABILIZED IN AREAS NOT SUBJECT TO EROSION, OR TO BE USED IN AREAS WHICH ARE NOT TO BE PAVED OR BUILT ON. SILTATION FENCE IS TO BE REPLACED AS NECESSARY TO PROVIDE PROPER FILTERING ACTION. THE FENCE IS TO REMAIN IN PLACE AND BE MAINTAINED TO INSURE EFFICIENT SILTATION CONTROL UNTIL ALL AREAS ABOVE THE EROSION CHECKS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED.
7. SWALE DISCHARGE AREA WILL BE PROTECTED WITH RIP RAP SPLASH PAD/ ENERGY DISSIPATER.
8. ALL FILL AREAS SHALL BE COMPACTED SUFFICIENTLY FOR THEIR INTENDED PURPOSE AND AS REQUIRED TO REDUCE SLIPPING, EROSION OR EXCESS SATURATION.
9. THE SOIL SHALL NOT BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBGRADE IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING OR PROPOSED SODDING OR SEEDING.
10. AFTER CONSTRUCTION IS COMPLETE AND GROUND IS STABLE, REMOVE SILTS IN THE RIP RAP ENERGY DISSIPATERS. REMOVE OTHER EROSION AND SEDIMENT DEVICES.

CONSTRUCTION SPECIFICATIONS - SILT FENCE

THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR SILT FENCES.

THE FABRIC SHALL BE EMBEDDED A MINIMUM OF 8 INCHES INTO THE GROUND AND THE SOIL COMPACTED OVER THE EMBEDDED FABRIC.

WOVEN WIRE FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES OR STAPLES.

FILTER CLOTH SHALL BE FASTENED SECURELY TO THE WOVEN WIRE FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP, MID-SECTION AND BOTTOM.

WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED.

FENCE POSTS SHALL BE A MINIMUM OF 36 INCHES LONG AND DRIVEN A MINIMUM OF 16 INCHES INTO THE GROUND. WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD AND SHALL HAVE A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQUARE INCHES.

MAINTENANCE SHALL BE PERFORMED AS NEEDED TO PREVENT BUILD UP IN THE SILT FENCE DUE TO DEPOSITION OF SEDIMENT.

MAINTENANCE - SILT FENCE

SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.

IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.

SEDIMENT SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACHED APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.

SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
0	12/22/14	CTP	MME	ISSUED FOR CSC - CLIENT REVIEW

PROFESSIONAL ENGINEER SEAL

Celtco Partnership d/b/a Verizon Wireless

CENTEK engineering
Centered on Solutions
(203) 488-0580
(203) 488-8587 Fax
63-2 North Branford Road
Branford, CT 06405
www.CentekEng.com

Celtco Partnership d/b/a Verizon Wireless
WIRELESS COMMUNICATIONS FACILITY
REDDING
80 LONETOWN ROAD
REDDING, CT 06896

DATE: 12/22/14
SCALE: AS NOTED
JOB NO. 14138.000

DETAILS

C-2

Sheet No. 3 of 3

ATTACHMENT 4

Robinson+Cole

KENNETH C. BALDWIN

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

Also admitted in Massachusetts

January 7, 2015

Via Certified Mail, Return Receipt Requested

Julia Pemberton, First Selectwoman
Town of Redding
100 Hill Road
P.O. Box 1028
Redding, CT 06875

Re: **Proposed Installation of a Back-Up Generator at 80 Lonetown Road, Redding, Connecticut**

Dear Ms. Pemberton:

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 back-up generator at the existing wireless facility at 80 Lonetown Road in Redding (the "Property"). Cellco intends to expand its existing leased compound area and install a propane-fueled back-up generator and 1,000 gallon propane tank.

The 100 kW generator will provide back-up power to Cellco's cell site and the property owner's residence. A copy of the Petition is enclosed for your review. Landowners whose property abuts the Property were also sent notice of this filing along with a copy of the Petition's project plans.

13336307-v1

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

Sincerely,

Kenneth C. Baldwin

KCB/kmd
Enclosure
Copy to:
Sandy M. Carter

Robinson+Cole

KENNETH C. BALDWIN

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

Also admitted in Massachusetts

January 7, 2015

Via Certified Mail, Return Receipt Requested

Andrew C. and Elizabeth C. Mound
80 Lonetown Road
Redding, CT 06896

Re: **Proposed Installation of a Back-Up Generator at 80 Lonetown Road, Redding, Connecticut**

Dear Mr. and Mrs. Mound:

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 back-up generator at the existing wireless facility at 80 Lonetown Road in Redding (the "Property"). Cellco intends to expand its existing leased compound area and install a propane-fueled back-up generator and 1,000 gallon propane tank.

The 100 kW generator will provide back-up power to Cellco's cell site and the property owner's residence. A copy of the Petition is enclosed for your review. Landowners whose property abuts the Property were also sent notice of this filing along with a copy of the Petition's project plans.

13336269-v1

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

Sincerely,

Kenneth C. Baldwin

KCB/kmd
Enclosure
Copy to:
Sandy M. Carter

ATTACHMENT 5

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

January 7, 2015

Via Certified Mail, Return Receipt Requested

«Name_and_Address»

Re: **Notice of Intent to File a Petition for Declaratory Ruling with the Connecticut Siting Council for the Installation of a Back-Up Generator at the Existing Wireless Telecommunications Facility at 80 Lonetown Road, Redding, 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 back-up generator at the existing wireless telecommunications facility at 80 Lonetown Road in Redding (the "Property"). The generator and a 1,000 gallon propane fuel tank would be located within an expanded fenced facility compound. A set of Project Plans and aerial photograph and a site schematic showing the location of Cellco's proposed generator are attached for your review.

This notice is being sent to you because you are listed as an owner of land that abuts the Property. If you have any questions regarding the Petition, the Council's process for reviewing the proposed 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.

Sincerely,

Kenneth C. Baldwin

Attachment
Copy to:
Sandy M. Carter

CELLCO PARTNERSHIP D/B/A/ VERIZON WIRELESS

ABUTTING PROPERTY OWNERS

80 LONETOWN ROAD
REDDING, CONNECTICUT

MBL 14-21-C

	Map/Lot	Property Address	Owner and Mailing Address
1.	14/17	91 Lonetown Road	The Redding Country Club Inc. 109 Lonetown Road West Redding, CT 06896-1417
2.	14/20	85 Lonetown Road	Nicholas & Lydia Knapp 85 Lonetown Road Redding, CT 06896-1416
3.	14/11	83 Lonetown Road	Bernice S. Mazan and Wanda Augustyn 83 Lonetown Road Redding, CT 06896-1416
4.	14/10	81 Lonetown Road	Branstrom Properties LLC 85 Ethan Allen Hwy Ridgefield, CT 06877
5.	14/18	70 Lonetown Road	Lee B. and Marie J. Hawes 70 Lonetown Road West Redding, CT 06896-1415
6.	15/13	17 Deacon Abbott Road	Elizabeth D. Licarie 17 Deacon Abbott Road West Redding, CT 06896-2010
7.	15/36	27 Deacon Abbott Road	Cheryl and Peter J. Graziano 27 Deacon Abbott Road Redding, CT 06896-2010
8.	15/45	100 Lonetown Road	William M. Hill 11 John Read Road Redding, CT 06896-1626