

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 MODIFICATION OF AN EXISTING :
WIRELESS TELECOMMUNICATIONS :
FACILITY OFF HONEYSPOT ROAD, :
STRATFORD, CONNECTICUT : FEBRUARY 7, 2018

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.”) for modifications to the existing wireless telecommunications facility off Honeyspot Road in Stratford, Connecticut (the “Property”).

II. Factual Background

Becker LLC owns property identified as 623, 635 and 651 Honeyspot Road in Stratford, Connecticut (collectively the “Property”). The Property lies in Stratford’s CA – Retail Commercial zone district and is surrounded by a mix of commercial uses along Honeyspot Road and residential uses along Columbus Avenue and Garbaldi Avenue. *See Attachment 1 – Site*

Vicinity and Site Schematic Maps (Aerial Photograph). Cellco currently maintains and operates a wireless telecommunications facility on the Property consisting of antennas at the 82-foot level of the existing 102-foot tower. The tower is also owned by Becker LLC. Equipment associated with Cellco's antennas is located inside an existing building adjacent to the tower. The Council approved Cellco's shared use of the tower in 1999. (A copy of Cellco's tower share approval (TS-SCLP/BAM/ATT-138-990525) is included in Attachment 2).

III. Proposed Facility Modification

Cellco intends to install a Centralized Radio Access Network ("C-RAN") on the Property to the southeast of the tower site. The purpose of a C-RAN is to allow several existing cell sites in the particular geographic area (traditional macro cell sites and small cells), to connect to a centralized hub. By doing so, Cellco can deploy less cell site hardware at each individual facility location, giving it more flexibility in the selection of new cell site locations in the future. This approach also allows Cellco to realize some cost savings by not having to deploy fiber connections, for example, from each individual cell site location back to the mobile telephone switching office (MTSO). C-RAN facilities can be established at existing cell sites or at other locations not currently used for telecommunications purposes.

Cellco's C-RAN will consist of a new 17' x 38' x 11' shelter on a concrete pad located to the southeast of the existing telecommunications facility. The new shelter will house Cellco's C-RAN equipment and a 80 kW natural gas-fueled back-up generator. Power, telephone and fiber optic service and natural gas service¹ to the C-RAN shelter will extend from Columbus Avenue. Project Plans for the Stratford C-RAN Facility are included in Attachment 3. Specifications for

¹ Final routing of natural gas distribution service to the C-RAN Facility will be determined following the Council's approval and a site walk by gas company engineers.

Cellco's 80 kW back-up generator are included in Attachment 4.

IV. 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 giving it jurisdiction over the construction and modification of wireless telecommunication facilities "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 facility modifications described above, necessary to establish the Stratford C-RAN facility, will not involve a significant alteration to the physical and/or environmental characteristics of the Property. Minimal ground disturbance, for the installation of a new 17' x 38' concrete pad to accommodate the C-RAN shelter will be required.

2. Visual Effects

The installation of the 17' x 38' C-RAN shelter, 11 feet in height on the Property, to the south of the existing telecommunications facility will not have a significant impact on aesthetics in the area. Existing deciduous trees on the Property will be retained and will help screen the C-RAN shelter from view from adjacent parcels.

3. Noise

The operation of the new C-RAN shelter including the new back-up generator and two (2) HVAC units running simultaneously will comply with State and local Noise Standards. *See*

HMB Noise Evaluation Report included in Attachment 5.

4. FCC Compliance

The installation of the proposed C-RAN facility will not result in a change to radio frequency (“RF”) emissions from the existing cell site. A new power density calculation table has not, therefore, been provided as part of this filing.

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

On February 7, 2018, a copy of this Petition was sent to Stratford’s Mayor Laura R. Hoydick; Jay Habansky, Stratford Planning and Zoning Administrator; and Becker LLC, the Property owner. Copies of the letters sent to Mayor Hoydick, Mr. Habansky and Becker LLC are included in Attachment 6. A copy of this Petition was also sent to the owners of land that may be considered to abut the Property. A sample abutter’s cover letter and the list of those abutting landowners who were sent notice is included in Attachment 7.

V. 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 modification of the existing telecommunications facility at the Property to accommodate the Stratford C-RAN as described above 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.

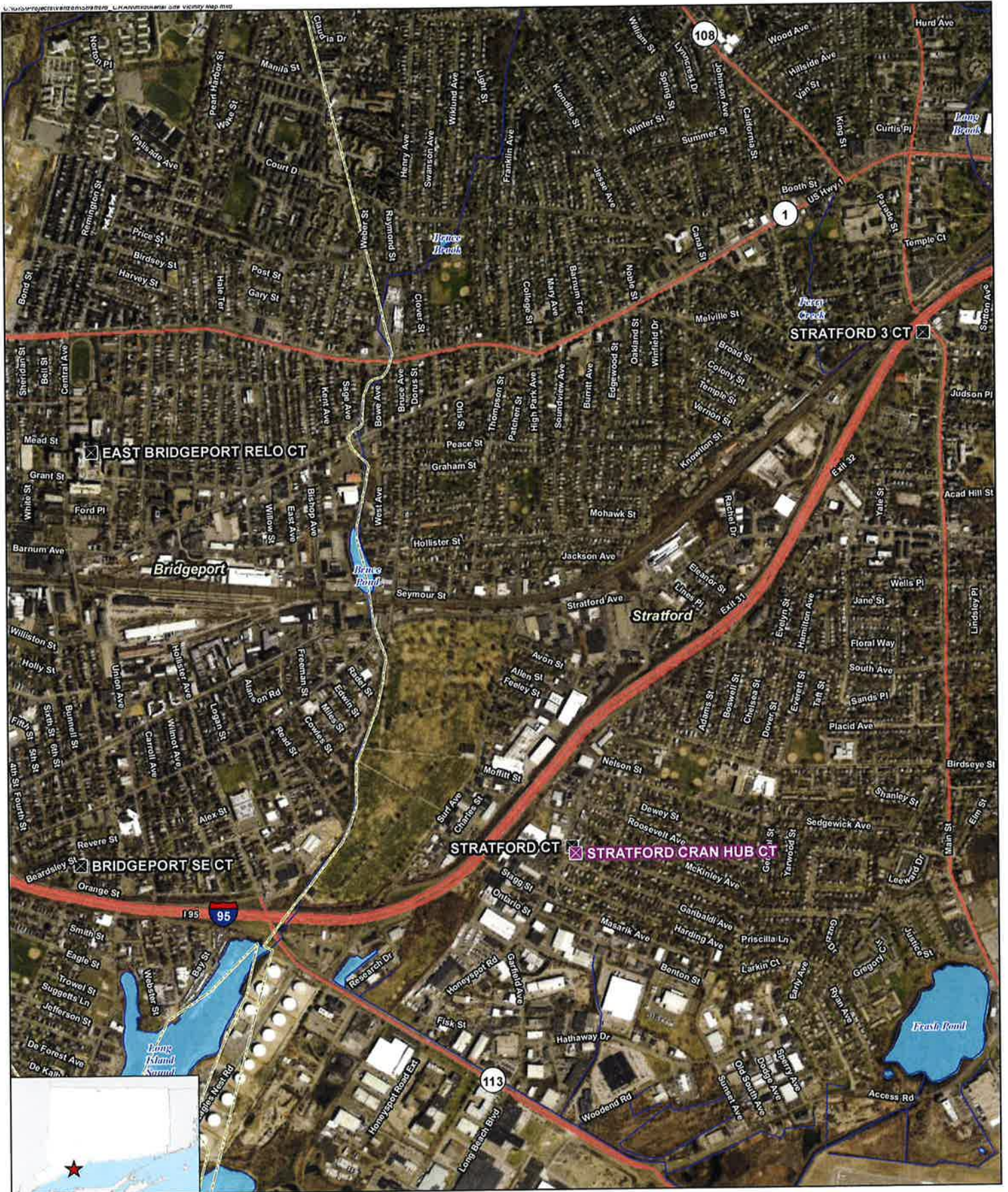
Respectfully submitted,

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

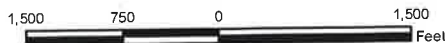


Legend

- ✖ Proposed Verizon Wireless CRAN HUB Facility
- ✖ Surrounding Verizon Wireless Facilities
- Municipal Boundary
- ~ Watercourse (CTDEEP)
- Waterbody (CTDEEP)

Site Vicinity Map








Proposed Verizon Wireless
 CRAN HUB Facility
 Stratford CRAN HUB CT
 635 Honeyspot Road
 Stratford, Connecticut



Base Map Source: CT 2016 Aerial Imagery (CTECO)
 Map Scale: 1 inch = 1,500 feet
 Map Date: July 2017



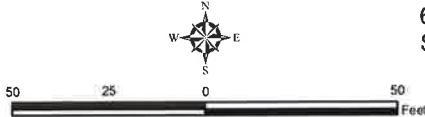
Legend

-  Approximate Subject Property
-  Existing VzW Equipment Room
-  Proposed +/38'x17' Equipment Building
-  Proposed 10' Wide Access Easement
-  Proposed Electrical Conduit Route through building
-  Proposed Preliminary Underground Natural Gas Route
-  Proposed Preliminary Underground Telco Route

Site Schematic

Proposed Verizon Wireless
 CRAN HUB Facility
 Stratford CRAN HUB CT
 635 Honeyspot Road
 Stratford, Connecticut

Map Notes:
 Base Map Source: 2016 Aerial Photograph (CTECO)
 Map Scale: 1 inch = 50 feet
 Map Date: July 2017



ATTACHMENT 2



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
Fax: (860) 827-2950

June 23, 1999

Peter W. van Wilgen
SNET Wireless Inc.
500 Enterprise Drive
Rocky Hill, CT 06067-3900

RE: TS-SCLP/BAM/ATT-138-990525 - Springwch Cellular Limited Partnership, Cellco Partnership d/b/a Bell Atlantic Mobile and AT&T Wireless PCS d/b/a AT&T Wireless Services request for an order to approve tower sharing at an existing telecommunications facility located at 623-627 Honeyspot Road in Stratford, Connecticut.

Dear Mr. van Wilgen:

At a public meeting held June 16, 1999, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures, conditioned with a requirement to use a galvanized steel finish on the new tower, no tower lighting unless ordered by the Federal Aviation Administration, and the use of low-profile antennas, as requested by the Town of Stratford, Connecticut.

This facility has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequency now used on this tower. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction.

The proposed shared use is to be implemented as specified in your letter dated May 25, 1999, and additional information dated June 15, 1999. Please notify the Council when all work is complete.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/RKE/tsg

c: Mark S. Barnhart, Town Manager, Town of Stratford
Sandy Carter, Bell Atlantic Mobile
Paul A. Spurlock, AT&T Wireless Services, Inc.

ATTACHMENT 3

verizon

MOBILE SWITCHING CENTER

SITE NAME: STRATFORD CT
CRAN TELCO HUB

635 HONEYSPOT RD.
STRATFORD, CT 06615

verizon
MOBILE SWITCHING CENTER
99 EAST RIVER DRIVE
EAST HARTFORD, CT 06108

On Air Engineering, LLC
88 Foundry Pond Rd.
Cold Spring, NY 10516
onair@optonline.net
201-456-4624

LICENSURE

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

NO.	DATE	SUBMISSIONS
0	12.30.17	REVIEW
1	01.20.18	REVISED PER ATTORNEY COMMENTS

DRAWN BY:	CHECKED BY:
AS	DW

PROJECT SUMMARY	
SITE NAME:	STRATFORD CT CRAN TELCO HUB
SITE ADDRESS:	635 HONEYSPOT RD. STRATFORD, CT 06615
PROPERTY OWNER & MAILING ADDRESS:	BECKER LLC 951 BEAVER DAM RD. STRATFORD, CT 06614
PARCEL GIS PIN:	0795300
TOWER COORDINATES:	41° 36' 08.0" N 72° 52' 43.0" W
APPLICANT:	CELLCO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST RIVER DR., 9TH FL. EAST HARTFORD, CT 06108
VERIZON WIRELESS CONTACTS:	JOHN ROMANO - CONSTRUCTION (203) 858-5500 DOUG TALMADGE - SAC (860) 549-6116
LEGAL/REGULATORY COUNSEL:	KENNETH C. BALDWIN, ESQ. ROBINSON & COLE, LLP (860) 275-8345

DRAWING SCHEDULE	
SHEET NO.	SHEET DESCRIPTION
T-1	TITLE SHEET
C-1	ABUTTERS MAP & OWNER'S LIST
C-2	SITE PLAN
C-3	ENLARGED SITE PLAN, ELEVATION & DETAILS



PROJECT DESCRIPTION
<ul style="list-style-type: none"> - INSTALLATION OF A 1-STORY VERIZON EQUIPMENT BUILDING AT GRADE WITH TELCO "CRAN" EQUIPMENT ROOM AND EMERGENCY GENERATOR ROOM - INSTALLATION OF (2) VERIZON GPS ANTENNAS ON BUILDING - NATURAL GAS & TELCO/FIBER SERVICES ROUTED U/G FROM THE ADJACENT STREETS - ELECTRICAL SERVICE TO ORIGINATE FROM EXISTING 2-STORY BUILDING ON-SITE; EXISTING VERIZON "MACRO" EQUIP. ROOM INSIDE TO BE ON NEW VERIZON GENERATOR

SITE NAME:	STRATFORD CT CRAN
PROJECT DESCRIPTION:	CRAN TELCO HUB
PROJECT INFORMATION:	BECKER LLC 635 HONEYSPOT RD. STRATFORD, CT 06615
DRAWING TITLE:	TITLE SHEET
SHEET NUMBER:	T-1

LICENSURE

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

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1	01.20.18	REVISED PER ATTORNEY COMMENTS

DRAWN BY:	CHECKED BY:
AS	DW

SITE NAME:
STRATFORD CT CRAN

PROJECT DESCRIPTION:
CRAN TELCO HUB

PROJECT INFORMATION:
**BECKER LLC
635 HONEYSPOD RD.
STRATFORD, CT 06615**

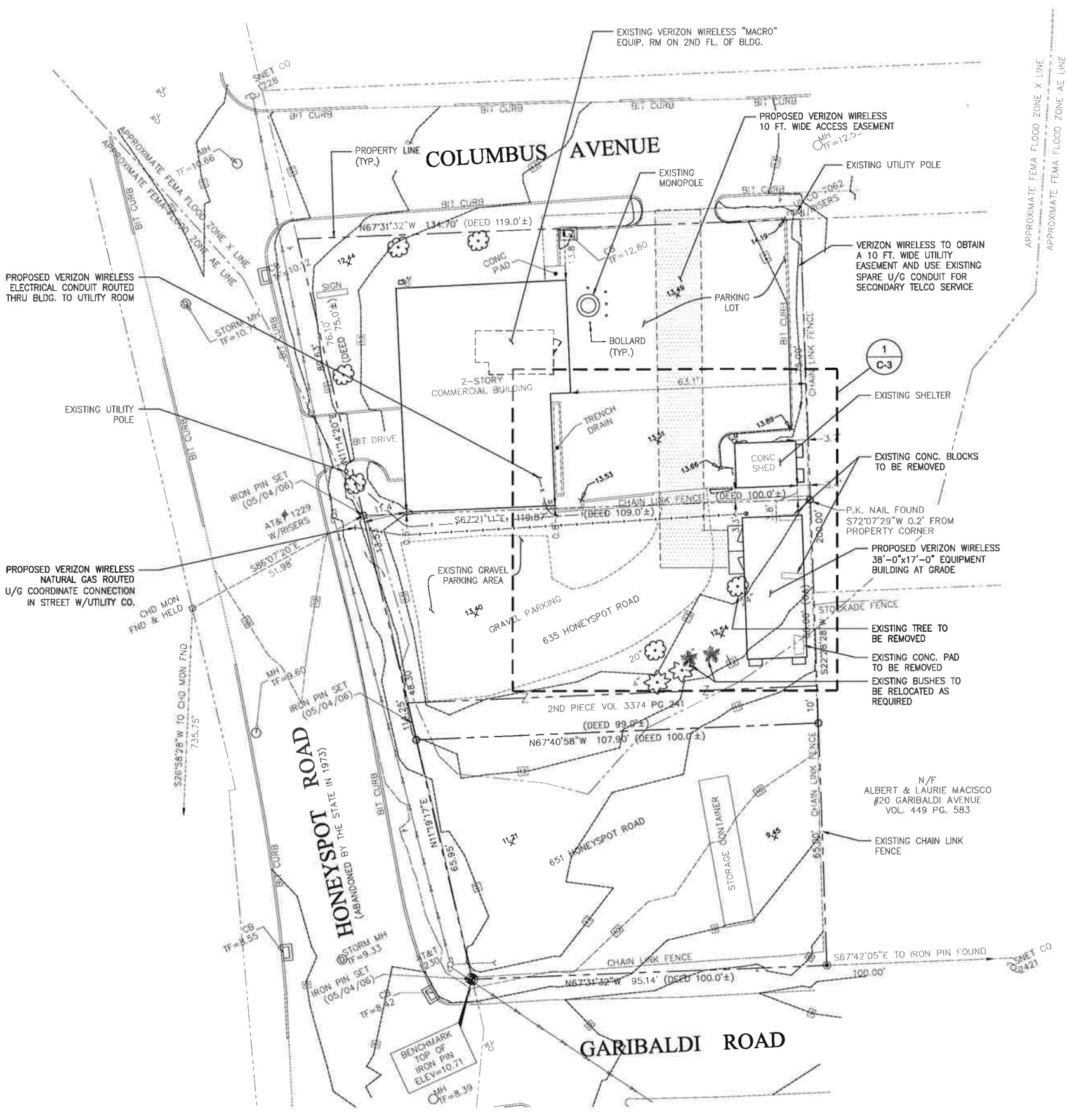
DRAWING TITLE:
**ABUTTERS MAP &
OWNER'S LIST**

SHEET NUMBER:
C-1



1
C-1 ABUTTERS MAP
Scale: 1" = 40'

ABUTTERS LIST FROM PARCEL(S) 0795100, 0795300, 0795500			
PARCEL #	OWNER NAME	OWNER MAILING ADDRESS	PROPERTY ADDRESS
0791600	49 DEERFIELD ST LLC	PO BOX 433, EASTON, CT 06612	599 HONEYSPOD RD
0385700	MALIN JAMES J & ORIHUELA CECELIA R (JT)	91 COLUMBUS AVE, STRATFORD, CT 06615	91 COLUMBUS AVE
0384600	BEHAN MARGARET	32 COLUMBUS AVE, STRATFORD, CT 06615	32 COLUMBUS AVE
0384800	50-52 COLUMBUS AVENUE ASSOC LLC	392 LONG HILL ROAD EAST, BRIARCLIFF MANOR, NY 10510	50 COLUMBUS AVE
0633900	MACISCO ALBERT & LAURIE (SV)	174 PORTERS HILL RD, TRUMBULL, CT 06611	20 GARIBALDI AVE
0634300	ADU STEPHEN & ATUAHENE OHEMAA (SV)	25 GARIBALDI AVE, STRATFORD, CT 06615	25 GARIBALDI AVE
0791100	AG & KG REALTY LLC	54 FITCH ST, NORTH HAVEN, CT 06473	665 HONEYSPOD RD
0795600	NGUYEN KIM PHAN TRUST-TRUSTEE	668 HONEYSPOD RD, STRATFORD, CT 06615	668 HONEYSPOD RD
0249400	HARTLEY & PARKER LTC INC	100 BROWNING ST, STRATFORD, CT 06615	100 BROWNING ST
0795400	BLAKE BEVERLY A	20 RIPTON PARISH LN, STRATFORD, CT 06614	640 HONEYSPOD RD
0795200	BLAKE DENNIS & BLAKE BEVERLY (SV)	20 RIPTON PARISH LN, STRATFORD, CT 06614	626 HONEYSPOD RD
0794900	WHITMAN RANDY S & EMERY DAVID E & MARK ROBERT	22 WAY ST, MILFORD, CT 06460	600 HONEYSPOD RD



- GENERAL NOTES:
- (1) THE APPLICANT PROPOSES TO INSTALL A MOBILE SWITCHING CENTER CONSISTING OF A 38'x17' BUILDING AT GRADE ON THE SUBJECT PARCEL. ANY INCREASE IN AMBIENT NOISE LEVELS WILL BE MINIMAL FROM THIS PROPOSED INSTALLATION.
 - (2) THE FACILITY SHALL BE 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 TAKEN FROM A BOUNDARY SURVEY PREPARED BY PEREIRA ENGINEERING, LLC, SHELTON, CT DATED 9-8-17.
 - (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 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 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.

1 SITE PLAN
Scale: 1" = 15'

verizon
MOBILE SWITCHING CENTER

99 EAST RIVER DRIVE
EAST HARTFORD, CT 06108

On Air Engineering, LLC

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

LICENSE NO.

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

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AS	DW

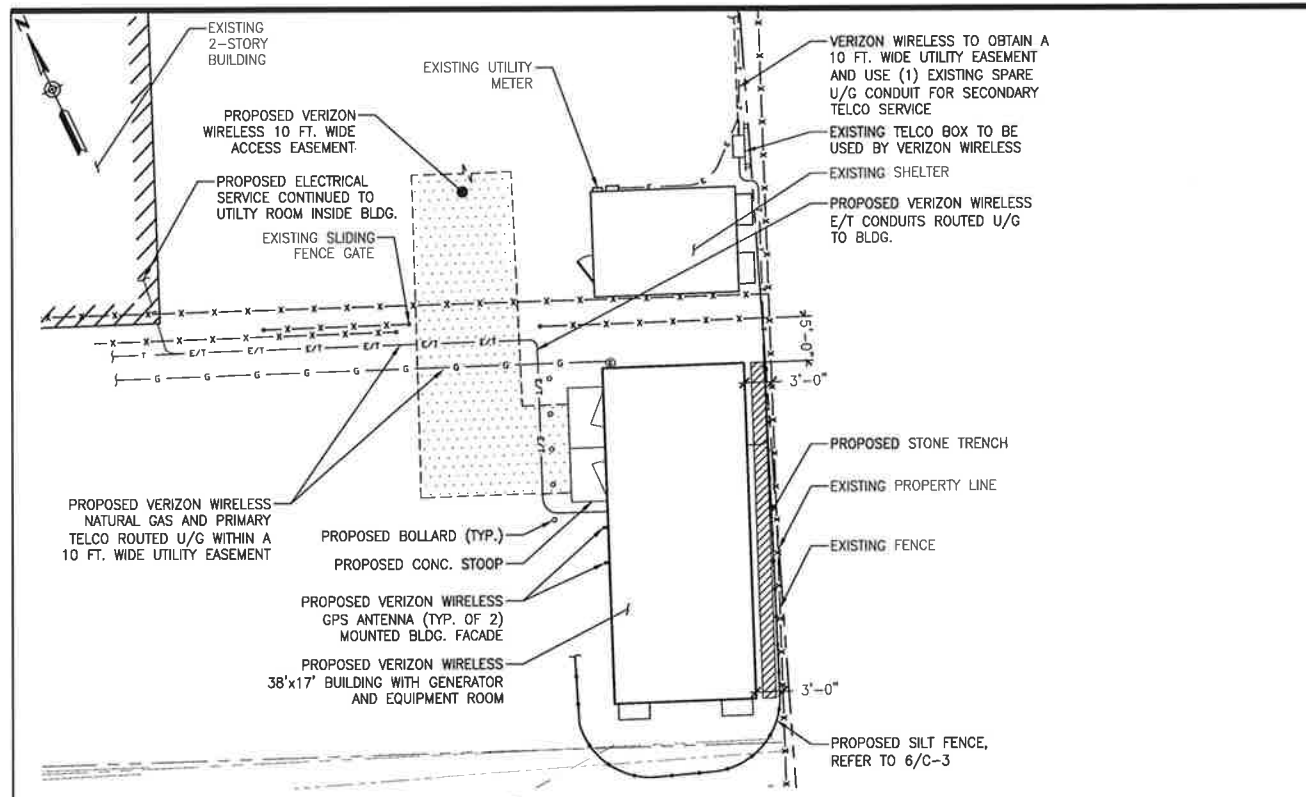
SITE NAME:
STRATFORD CT CRAN

PROJECT DESCRIPTION:
CRAN TELCO HUB

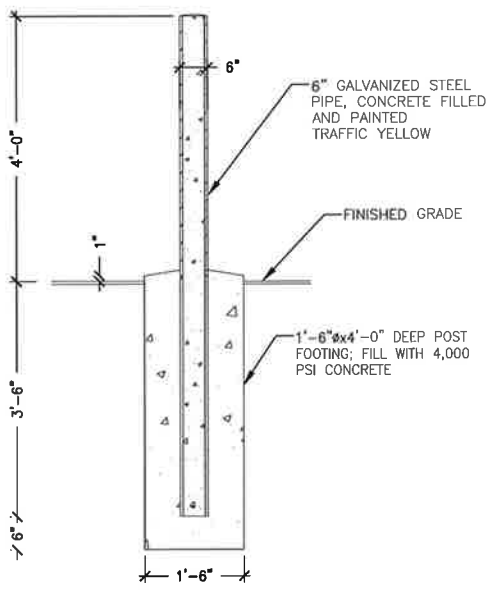
PROJECT INFORMATION:
**BECKER LLC
635 HONEYSPOD RD.
STRATFORD, CT 06615**

DRAWING TITLE:
SITE PLAN

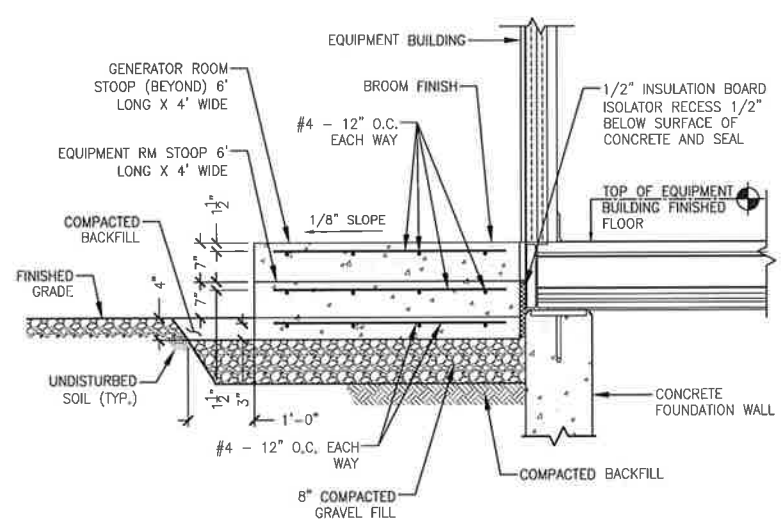
SHEET NUMBER:
C-2



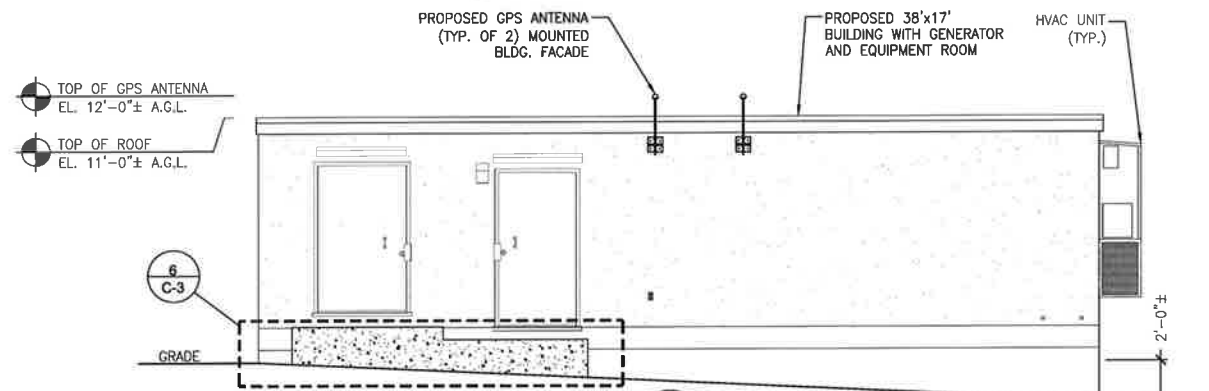
1 ENLARGED SITE PLAN
Scale: 1" = 10'



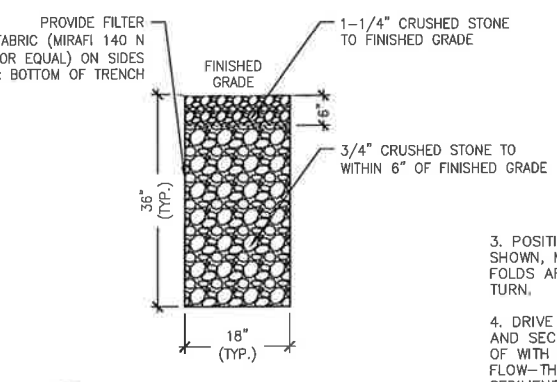
3 BOLLARD DETAIL
Scale: N.T.S.



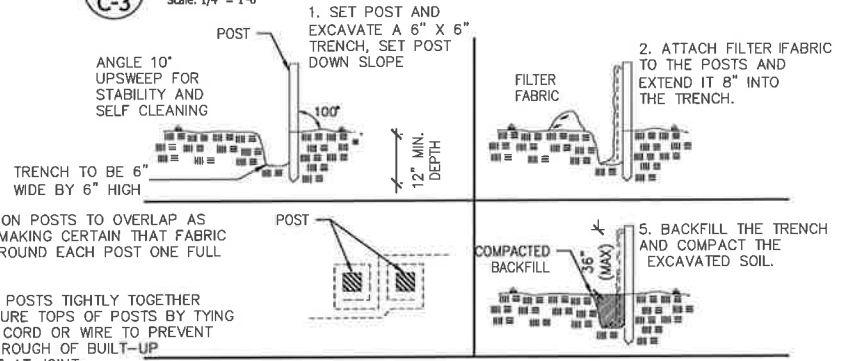
4 CONCRETE STOOP SECTION
Scale: 3/4" = 1'-0"



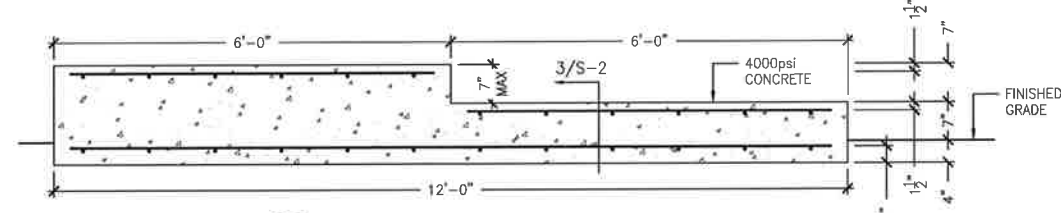
2 BUILDING ELEVATION
Scale: 1/4" = 1'-0"



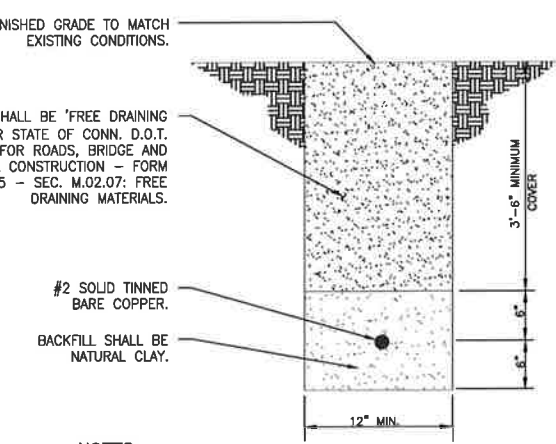
5 STONE TRENCH CROSS SECTION
Scale: N.T.S.



6 PLACEMENT AND CONSTRUCTION OF A SILT FENCE
Scale: N.T.S.

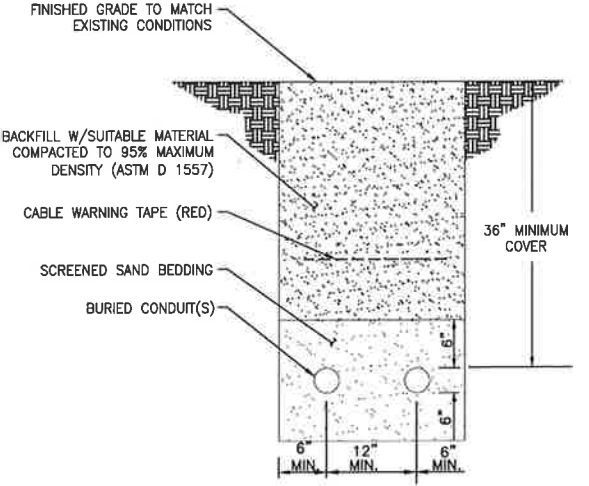


6 CONCRETE STOOP DETAIL
Scale: 3/4" = 1'-0"



- NOTES:**
- ENGINEER SHALL INSPECT PLACEMENT OF EGR CONDUCTOR PRIOR TO BACKFILLING.
 - MAINTAIN MIN. 2'-0" LINEAR CLEARANCE BETWEEN NATURAL CLAY BACKFILL AND THE FOLLOWING: FOUNDATION, UNDERGROUND PIPING/CONDUIT, UNDERGROUND SERVICES. IN THE CLEARANCE AREAS, USE EARTH BACKFILL INSTEAD.
 - EXERCISE HANDLING AND USE PRECAUTION OF BACKFILL MATERIAL PER MFR'S REQUIREMENTS.

8 EGR TRENCH/BACKFILL DETAIL
Scale: N.T.S.



- NOTES:**
- THE CLEAN FILL SHALL PASS THROUGH A 3/8" MESH SCREEN AND SHALL NOT CONTAIN SHARP STONES. OTHER BACKFILL SHALL NOT CONTAIN ASHES, CINDERS, SHELLS, FROZEN MATERIAL, LOOSE DEBRIS OR STONES LARGER THAN 2" IN MAXIMUM DIMENSION.
 - WHERE EXISTING UTILITIES ARE LIKELY TO BE ENCOUNTERED, CONTRACTOR SHALL HAND DIG AND PROTECT EXISTING UTILITIES.

9 TYPICAL ELECTRICAL TRENCH DETAIL
Scale: N.T.S.

verizon
MOBILE SWITCHING CENTER

99 EAST RIVER DRIVE
EAST HARTFORD, CT 06108

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PROJECT DESCRIPTION: **CRAN TELCO HUB**

PROJECT INFORMATION: **BECKER LLC
635 HONEYSPOT RD.
STRATFORD, CT 06615**

DRAWING TITLE: **ENLARGED SITE PLAN,
BUILDING ELEVATION
& DETAILS**

SHEET NUMBER: **C-3**

ATTACHMENT 4

STANDBY POWER RATING

80 kW, 100 kVA, 60 Hz

PRIME POWER RATING*

72 kW, 90 kVA, 60 Hz

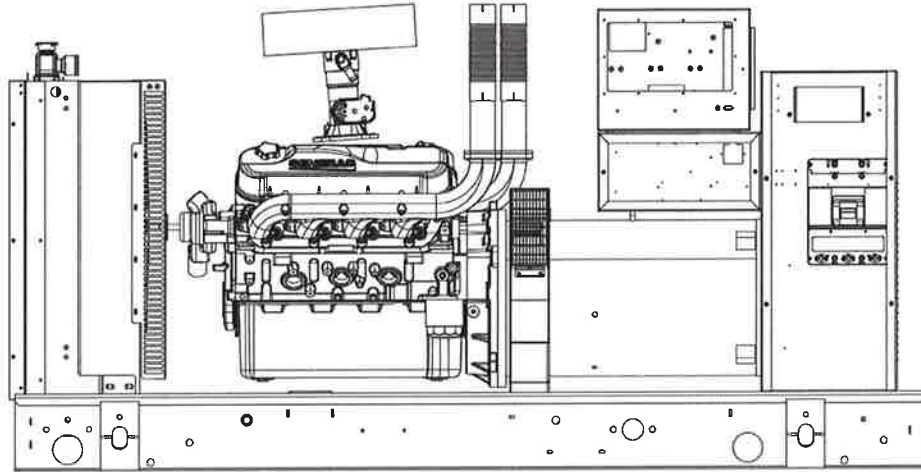


Image used for illustration purposes only



*Built in the USA using domestic and foreign parts

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

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



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.

STANDARD FEATURES

ENGINE SYSTEM

General

- Oil Drain Extension
- Air Cleaner
- Fan Guard
- Stainless Steel flexible exhaust connection
- Factory Filled Oil & Coolant
- Radiator Duct Adapter (open set only)
- Critical Exhaust Silencer (enclosed only)

Fuel System

- Flexible fuel line - NPT Connection
- Primary and secondary fuel shutoff

Cooling System

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

Engine Electrical System

- Battery charging alternator
- Battery cables
- Battery tray
- Rubber-booted engine electrical connections
- Solenoid activated starter motor

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 (L1 & L2)
- 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)

CONFIGURABLE OPTIONS

ENGINE SYSTEM

General

- Engine Block Heater
- Oil Heater
- Air Filter Restriction Indicator
- Stone Guard (Open Set Only)
- Critical Exhaust Silencer (Open Set Only / Standard on Ultra Low Emissions Option)

Electrical System

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

ALTERNATOR SYSTEM

- Alternator Upsizing
- Anti-Condensation Heater
- Tropical Coating
- Permanent Magnet Excitation

CIRCUIT BREAKER OPTIONS

- Main Line Circuit Breaker
- 2nd Main Line Circuit Breaker
- Shunt Trip and Auxillary Contact
- Electronic Trip Breaker

ENGINEERED OPTIONS

ENGINE SYSTEM

- Fluid containment Pans
- Coolant heater ball valves

ALTERNATOR SYSTEM

- 3rd Breaker Systems

CONTROL SYSTEM

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

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

ENCLOSURE

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

GENERATOR SET

- Special Testing
- Battery Box

ENCLOSURE

- Motorized Dampers
- Enclosure Ambient Heaters
- 150 MPH Wind Kit

CONTROL SYSTEM

- 21-Light Remote Annunciator
- Remote Relay Board (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 - Bridge
- Remote Communication - Ethernet
- 10A Run Relay
- Ground Fault Indication and Protection Functions

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

APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General		Cooling System	
Make	Generac	Cooling System Type	Pressurized Closed
Cylinder #	8	Water Pump Flow -gal/min (l/min)	26 (98)
Type	V	Fan Type	Pusher
Displacement - L (cu in)	7.94L (489)	Fan Speed (rpm)	2330
Bore - mm (in)	108.61 (4.28)	Fan Diameter mm (in)	558 (22)
Stroke - mm (in)	107.15 (4.25)	Coolant Heater Wattage	1500
Compression Ratio	9.5:1	Coolant Heater Standard Voltage	120 V
Intake Air Method	Naturally Aspirated		
Number of Main Bearings	5	Fuel System	
Connecting Rods	Forged	Fuel Type	Natural Gas, Propane
Cylinder Head	Cast Iron	Carburetor	Down Draft
Cylinder Liners	No	Secondary Fuel Regulator	Standard
Ignition	High Energy	Fuel Shut Off Solenoid	Standard
Piston Type	Aluminum Alloy	Operating Fuel Pressure (Standard)	11" - 14" H ₂ O
Crankshaft Type	Forged Steel	Operating Fuel Pressure (Optional)	7" - 11" H ₂ O
Lifter Type	Hydraulic Roller		
Intake Valve Material	Steel Alloy	Engine Electrical System	
Exhaust Valve Material	Stainless Steel	System Voltage	12 VDC
Hardened Valve Seats	Yes	Battery Charging Alternator	Standard
		Battery Size	See Battery Index 0161970SBY
		Battery Voltage	12 VDC
		Ground Polarity	Negative
Engine Governing			
Governor	Electronic		
Frequency Regulation (Steady State)	±0.25%		
Lubrication System			
Oil Pump Type	Gear		
Oil Filter Type	Full-flow sping-on cartridge		
Crankcase Capacity - L (qts)	8.5 (8.0)		

ALTERNATOR SPECIFICATIONS

Standard Model	390mm	Standard Excitation	Brushless
Poles	4	Bearings	Sealed Ball
Field Type	Revolving	Coupling	Direct Drive
Insulation Class - Rotor	H	Prototype Short Circuit Test	Yes
Insulation Class - Stator	H	Voltage Regulator Type	Full Digital
Total Harmonic Distortion	<5%	Number of Sensed Phases	3
Telephone Interference Factor (TIF)	<50	Regulation Accuracy (Steady State)	±0.25%

OPERATING DATA

POWER RATINGS

		Natural Gas	Propane Vapor
Single-Phase 120/240 VAC @1.0pf	80 kW	Amps: 333	Amps: 333
Three-Phase 120/208 VAC @0.8pf	80 kW	Amps: 278	Amps: 278
Three-Phase 120/240 VAC @0.8pf	80 kW	Amps: 241	Amps: 241
Three-Phase 277/480 VAC @0.8pf	80 kW	Amps: 120	Amps: 120
Three-Phase 347/600 VAC @0.8pf	80 kW	Amps: 96	Amps: 96

STARTING CAPABILITIES (sKVA)

		sKVA vs. Voltage Dip											
		480 VAC						208/240 VAC					
Alternator	kW	10%	15%	20%	25%	30%	35%	10%	15%	20%	25%	30%	35%
Standard	80	59	88	117	147	176	205	44	66	88	110	132	154
Upsize 1	100	79	118	157	197	236	275	59	89	118	148	177	206
Upsize 2	130	116	174	232	290	348	406	87	131	174	218	261	305

FUEL CONSUMPTION RATES*

Natural Gas - ft ³ /hr (m ³ /hr)			Propane Vapor - ft ³ /hr (m ³ /hr)		
Percent Load	Standby		Percent Load	Standby	
25%	378 (10.7)		25%	148.0 (4.2)	
50%	570 (16.1)		50%	223 (6.5)	
75%	762 (21.6)		75%	305 (8.6)	
100%	954 (27.0)		100%	379 (10.7)	

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

COOLING

		Standby
Air Flow (inlet air combustion and radiator)	ft ³ /min(m ³ /min)	5757 (163.0)
Coolant Flow per Minute	gal/min (l/min)	26 (98)
Coolant System Capacity	gal (l)	6.0 (22.7)
Heat Rejection to Coolant	BTU/hr	302,400
Max. Operating Ambient Temperature (before derate)	°F (°C)	122 (50)
Maximum Radiator Backpressure	in H ₂ O	0.5

COMBUSTION AIR REQUIREMENT

	Standby
Flow at Rated Power cfm (m ³ /min)	220 (6.2)

ENGINE

		Standby
Rated Engine Speed	rpm	1800
Horsepower at Rated kW**	hp	127
Piston Speed	ft/min	1275 (389)
BMEP	psi	113

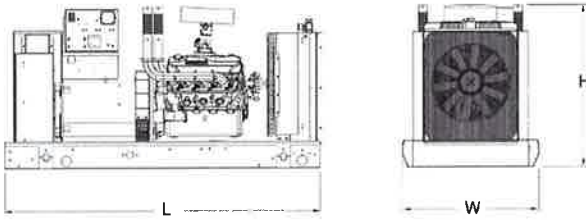
EXHAUST

		Standby
Exhaust Flow (Rated Output)	cfm (m ³ /min)	636 (18)
Max. Backpressure (Post Turbo)	inHg (Kpa)	0.75
Exhaust Temp (Rated Output - post silencer)	°F (°C)	1100 (593)
Exhaust Outlet Size (Open Set)	mm (in)	2.5" I.D. .Flex x 2 (NO Silencer)

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

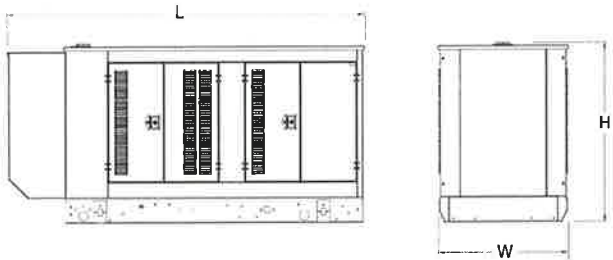
Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions. Please consult a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528, and DIN6271 standards.

DIMENSIONS AND WEIGHTS*



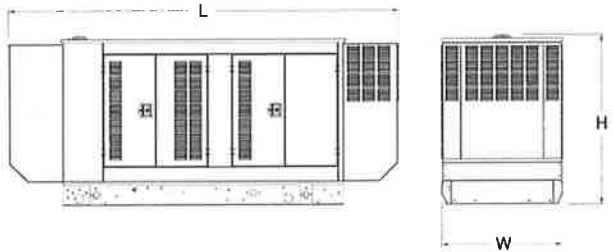
OPEN SET (Includes Exhaust Flex)

L x W x H in (mm)	94.2 (2394) x 40 (1016) x 47.5 (1206)
Weight lbs (kg)	2543 (1153)



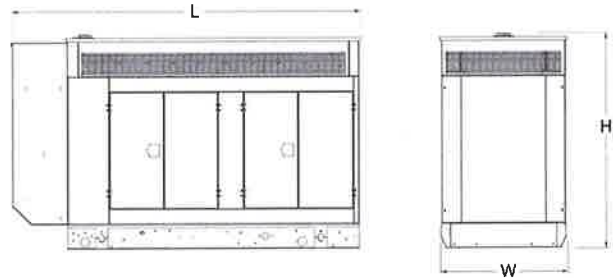
STANDARD ENCLOSURE

L x W x H in (mm)	111.79 (2839.5) x 40.46 (1027.8) x 56.18 (1427)
Weight lbs (kg)	Steel: 3072 (1393) Aluminum: 2802 (1271)



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: 3233 (1466) Aluminum: 2873 (1303)



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: 3360 (1524) Aluminum: 2928 (1328)

*All measurements are approximate and for estimation purposes only.

YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

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

ATTACHMENT 5

Noise Evaluation Report

Verizon CRAN HUB
Stratford CRAN CT
635 Honeyspot Road
Stratford, CT

January 8, 2018

Prepared For:
Kenneth Baldwin, ESQ
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT

Prepared By:
Allan Smardin
HMB Acoustics LLC
3 Cherry Tree Lane
Avon, CT

Introduction

Verizon is planning to install an 80 kw emergency back-up generator at 635 Honeyspot Road, Stratford, CT. The generator will be located inside a 38' x 17' equipment shelter. This shelter has two (2) wall mounted air-conditioner units used to cool the radio equipment inside the shelter. The equipment shelter will be located in a Commercial Noise Zone.

On July 10, 2017, I visited the site in order to perform an acoustical evaluation of the surrounding area. I found the area to be mixed commercial and residential. The average background noise level was 55-60 dBA. This report and the State of CT Noise Regulation utilize a dBA scale. This scale is used because it closely approximates the response characteristic of the human ear to loudness, and is the scale most commonly used in the measurement of community noise. The purpose of this evaluation is to determine whether the generator and the HVAC units will comply with the noise regulations.

It is important to note that the emergency generator operates for approximately 15-20 minutes every other week for testing. All testing is done during the daytime hours. Other than these testing periods, the generator runs only in times of emergency, when commercial power to the facility is interrupted.

Noise Regulations

The State of CT has enacted regulations which limit the amount of noise which may be transferred from one property to another. In pertinent part, the Regulations provide as follows:

Daytime hours - The hours between 7 am and 10 pm, local time.

Nighttime hours - The hours between 10 pm and 7 am, local time.

(Sec. 22a-69-1.1 (h&n)).

Exemptions -

“Noise created as a result of, or relating to an emergency.”

(Sec. 22a-69-1.8 (f)).

The noise level from the proposed generator and 2 HVAC units operating simultaneously, and projected to the nearest commercial and residential property lines are shown in TABLE 1.

TABLE 1
Allowable Noise Levels (dBA)
At Receptor Zones

Emitter Zone

Commercial	Commercial	Residential/Day	Residential/Night
	62	55	45

(Sec. 22a-69-3.5 (b)).

The Calculated dBA Noise Levels From The Proposed Generator And 2 HVAC Units Operating Simultaneously Have Been Projected To The Nearest Noise Receptor Property Lines

Property Line	Commercial	Residential
North	47	33
South	50	43
East	-	53
West	48	47

Noise Evaluation Results

The dBA scale takes into account the effect of acoustical shielding provided by other structures on the premises. The calculated noise data demonstrates that the noise levels from the proposed emergency generator and 2 HVAC units, operating simultaneously, meet the conditions for compliance as set forth in the noise regulations when projected to the nearest commercial and residential property lines.

ATTACHMENT 6

February 7, 2018

Via Certificate of Mailing

Laura R. Hoydick, Mayor
Town of Stratford
2725 Main Street
Stratford, CT 06615

**Re: Proposed Telecommunications Facility Modifications
Off Honeyspot Road, Stratford, Connecticut**

Dear Mayor Hoydick:

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 for modifications to its existing telecommunications facility off Honeyspot Road in Stratford (the “Property”). Cellco operates a wireless telecommunications facility (“Facility”) at the Property consisting of antennas on the existing tower and equipment inside the building at the corner of Honeyspot Road and Columbus Avenue.

The proposed modifications would permit Cellco to establish a Centralized Radio Access Network (C-RAN) hub at the Property. The purpose of a C-RAN is to allow several existing cell sites in the particular geographic area (traditional macro cell sites and small cells), to connect to a centralized hub. By doing so, Cellco can deploy less cell site hardware at each individual facility location, giving it more flexibility in the selection of new cell site locations in the future. This approach also allows Cellco to realize some cost savings by not having to deploy fiber connections, for example, from each individual cell site location back to the Mobile Telephone Switching Office (MTSO). C-RAN facilities can be established at existing cell sites or at other locations not currently used for telecommunications purposes. The C-RAN hub would consist of a new 17' x 38' x 11' equipment shelter, housing the C-RAN equipment, including a new 80 kW natural gas-fueled back-up generator.

17518973-v1

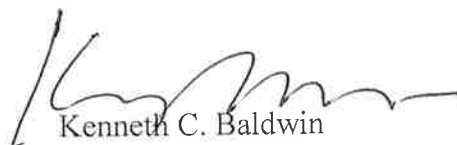
Robinson + Cole

Laura R. Hoydick, Mayor
February 7, 2018
Page 2

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

February 7, 2018

Via Certificate of Mailing

Jay Habansky, Planning and Zoning Administrator
Town of Stratford
2725 Main Street
Stratford, CT 06615

**Re: Proposed Telecommunications Facility Modifications
Off Honeyspot Road, Stratford, Connecticut**

Dear Mr. Habansky:

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 for modifications to its existing telecommunications facility off Honeyspot Road in Stratford (the “Property”). Cellco operates a wireless telecommunications facility (“Facility”) at the Property consisting of antennas on the existing tower and equipment inside the building at the corner of Honeyspot Road and Columbus Avenue.

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17519998-v1

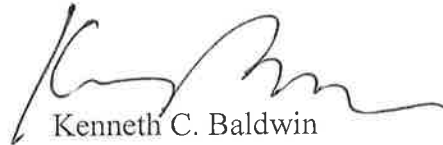
Robinson + Cole

Jay Habansky, Planning and Zoning Administrator
February 7, 2018
Page 2

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

February 7, 2018

Via Certificate of Mailing

Becker LLC
951 Beaker Dam Road
Stratford, CT 06614

Re: **Proposed Telecommunications Facility Modifications
Off Honeyspot Road, Stratford, 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 for modifications to its existing telecommunications facility off Honeyspot Road in Stratford (the “Property”). Cellco operates a wireless telecommunications facility (“Facility”) at the Property consisting of antennas on the existing tower and equipment inside the building at the corner of Honeyspot Road and Columbus Avenue.

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17521182-v1

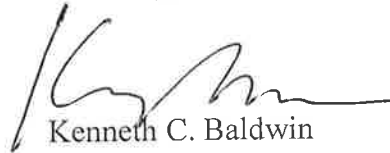
Robinson + Cole

Becker LLC
February 7, 2018
Page 2

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 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

February 7, 2018

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 Off Honeyspot Road, Stratford, 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 for modifications to its existing telecommunications facility off Honeyspot Road in Stratford (the “Property”). Cellco operates a wireless telecommunications facility (“Facility”) at the Property consisting of antennas on the existing tower and equipment inside the building at the corner of Honeyspot Road and Columbus Avenue.

The proposed modifications would permit Cellco to establish a Centralized Radio Access Network (C-RAN) hub at the Property. The purpose of a C-RAN is to allow several existing cell sites in the particular geographic area (traditional macro cell sites and small cells), to connect to a centralized hub. By doing so, Cellco can deploy less cell site hardware at each individual facility location, giving it more flexibility in the selection of new cell site locations in the future. This approach also allows Cellco to realize some cost savings by not having to deploy fiber connections, for example, from each individual cell site location back to the Mobile Telephone Switching Office (MTSO). C-RAN facilities can be established at existing cell sites or at other locations not currently used for telecommunications purposes. The C-RAN hub would consist of a new 17’ x 38’ x 11’ equipment shelter, housing the C-RAN equipment, including a new 80 kW natural gas-fueled back-up generator. A copy of the Petition is attached for your review.

February 7, 2018
Page 2

This notice is being sent to you because you are listed on the Town 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.

Sincerely,

A handwritten signature in black ink, appearing to read "Kenneth C. Baldwin", with a long horizontal flourish extending to the right.

Kenneth C. Baldwin

Attachment

CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS

ABUTTING PROPERTY OWNERS

623-635 HONEYSPOOT ROAD, STRATFORD, CONNECTICUT

	Property Address	Owner's and Mailing Address
1.	50 Columbus Avenue	50-52 Columbus Avenue Associates LLC 392 Long Hill Road East Briarcliff Manor, NY 10510
2.	20 Garibaldi Avenue	Laurie and Albert Macisco 174 Porters Hill Road Trumbull, CT 06611
3.	32 Columbus Avenue	Margaret Behan 32 Columbus Avenue Stratford, CT 06615
4.	91 Columbus Avenue	Cecilia R. Orithuela and James J. Malin 91 Columbus Avenue Stratford, CT 06615
5.	599 Honeyspot Road	49 Deerfield Street LLC P.O. Box 433 Easton, CT 06612-0433
6.	600 Honeyspot Road	Mark Robert, David E. Emery and Randy S. Whitman 22 Way Street Milford, CT 06460
7.	626 Honeyspot Road	Dennis and Beverly Blake 20 Ripton Parish Lane Stratford, CT 06614
8.	640 Honeyspot Road	Beverly A. Blake 20 Ripton Parish Lane Stratford, CT 06614
9.	100 Browning Street	Hartley and Parker Ltd. Inc. 100 Browning Street Stratford, CT 06615

	Property Address	Owner's and Mailing Address
10.	25 Girabaldi Avenue	Stephen Adu and Ohemma Atuahene 25 Girabaldi Avenue Stratford, CT 06615
11.	665 Honeyspot Road	AG & KG Realty LLC 54 Fitch Street North Haven, CT 06473
12.	668 Honeyspot Road	Kim Phan Nguyen Trust 668 Honeyspot Road Stratford, CT 06615