

August 4, 2016

Melanie A. Bachman
Acting Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: Petition No. 1232 – Cellco Partnership d/b/a Verizon Wireless Petition for a Declaratory Ruling that no Certificate of Environmental Compatibility and Public Need is Required for the Proposed Modification of an Existing Telecommunications Facility Located at 167 Cocomo Circle (a/k/a 167 Lester Street), New Britain, Connecticut

Dear Ms. Bachman:

On June 23, 2016, the Connecticut Siting Council considered and approved the above-referenced Petition allowing for the installation of Cellco's Centralized Radio Access Network ("CRAN") at the Lester Street telecommunications facility. Due to certain lease limitations and in an effort to control project costs, Cellco is seeking Council approval for a minor plan modification.

Those modifications are as follows: (1) the installation of a standalone 16' x 30' CRAN hub equipment shelter that will no longer be attached to Cellco's existing 12' x 30' equipment shelter; and (2) the placement of the 100 kW diesel-fueled emergency back-up generator on a concrete pad between the two shelters rather than inside an extended shelter. The outside generator will be equipped with a Level 2 sound attenuation enclosure. All other aspects of the previously approved plan will remain unchanged.

Because the generator will now be relocated outside on a concrete pad between the two shelters, Cellco has updated its Noise Evaluation Report for the site. This report confirms that noise from the outdoor generator along with the CRAN shelter HVAC units will comply with State and local noise standards.

15072040-v1

Melanie A. Bachman
August 4, 2016
Page 2

Please let me know if you need any additional information in order to act on this proposed modification proposal. Thank you in advance for your assistance and cooperation.

Sincerely,



Kenneth C. Baldwin

KCB/kmd
Enclosure
Copy to:
Elizabeth Jamieson
Justine Carbonell

Cellco Partnership

d.b.a. **verizon** wireless

WIRELESS COMMUNICATIONS FACILITY

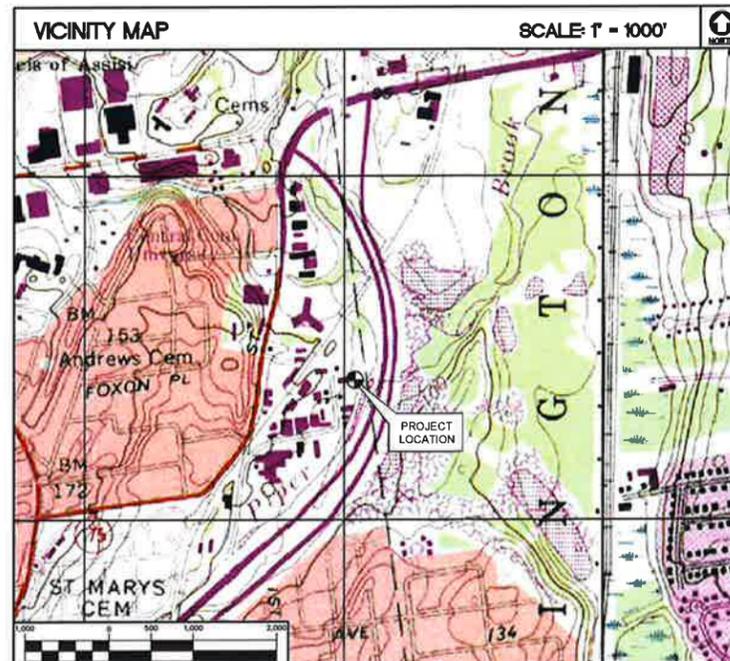
NEW BRITAIN CRAN TELCO HUB

167 LESTER STREET, (COCCOMO CIRCLE)

NEW BRITAIN, CONNECTICUT 06051

SITE DIRECTIONS	
FROM: 99 EAST RIVER DRIVE EAST HARTFORD, CONNECTICUT	TO: 167 LESTER STREET, (COCCOMO CIRCLE) NEW BRITAIN, CONNECTICUT
1. Get on I-84 from E River Dr and Connecticut Blvd	0.6 mi
2. Head east on E River Dr toward Darlin St	0.3 mi
3. Turn left to stay on E River Dr	354 ft
4. Turn left at the 1st cross street onto Connecticut Blvd	0.2 mi
5. Turn left onto the Route 84 W ramp to Hartford/Route 91	482 ft
6. Continue on I-84 to Newington. Take exit 29 from CT-9 S	9.7 mi
7. Merge onto I-84	1.7 mi
8. Keep left to stay on I-84	5.2 mi
9. Take exit 39A for CT-9 S toward Newington/New Britain	0.8 mi
10. Continue onto CT-9 S	1.8 mi
11. Take exit 29 for Ella Grasso Blvd toward CT-175/Newington	0.2 mi
12. Take Fenn Rd and East St to Cocomo Cir/Lester St in New Britain	1.4 mi
13. Turn left onto Ella Grasso Rd	0.2 mi
14. Turn right onto Fenn Rd	0.4 mi
15. Turn right onto Cedar St	213 ft
16. Continue onto East St	0.6 mi
17. Turn left onto St Clair Ave	0.2 mi
18. St Clair Ave turns slightly left and becomes Cocomo Cir/Lester St	
19. Destination will be on the right	236 ft

PROJECT SCOPE	
NOTES:	
1. EXISTING CELLCO PARTNERSHIP EQUIPMENT SHELTER GENERATOR ROOM TO BE REMOVED TO ACCOMMODATE AN OUTDOOR 100kw REPLACEMENT DIESEL FUELED EMERGENCY POWER BACKUP GENERATOR ATOP THE EXISTING SLAB FOUNDATION. THE PROPOSED REPLACEMENT GENERATOR SHALL PROVIDE EMERGENCY BACKUP POWER TO THE EXISTING CELLCO PARTNERSHIP WIRELESS COMMUNICATIONS EQUIPMENT AS WELL AS THE PROPOSED CRAN TELCO HUB EQUIPMENT.	
2. A PROPOSED 16'x30' CELLCO PARTNERSHIP CRAN TELCO HUB EQUIPMENT SHELTER IS PROPOSED AT GRADE ADJACENT TO THE EXISTING CELLCO PARTNERSHIP EQUIPMENT SHELTER.	

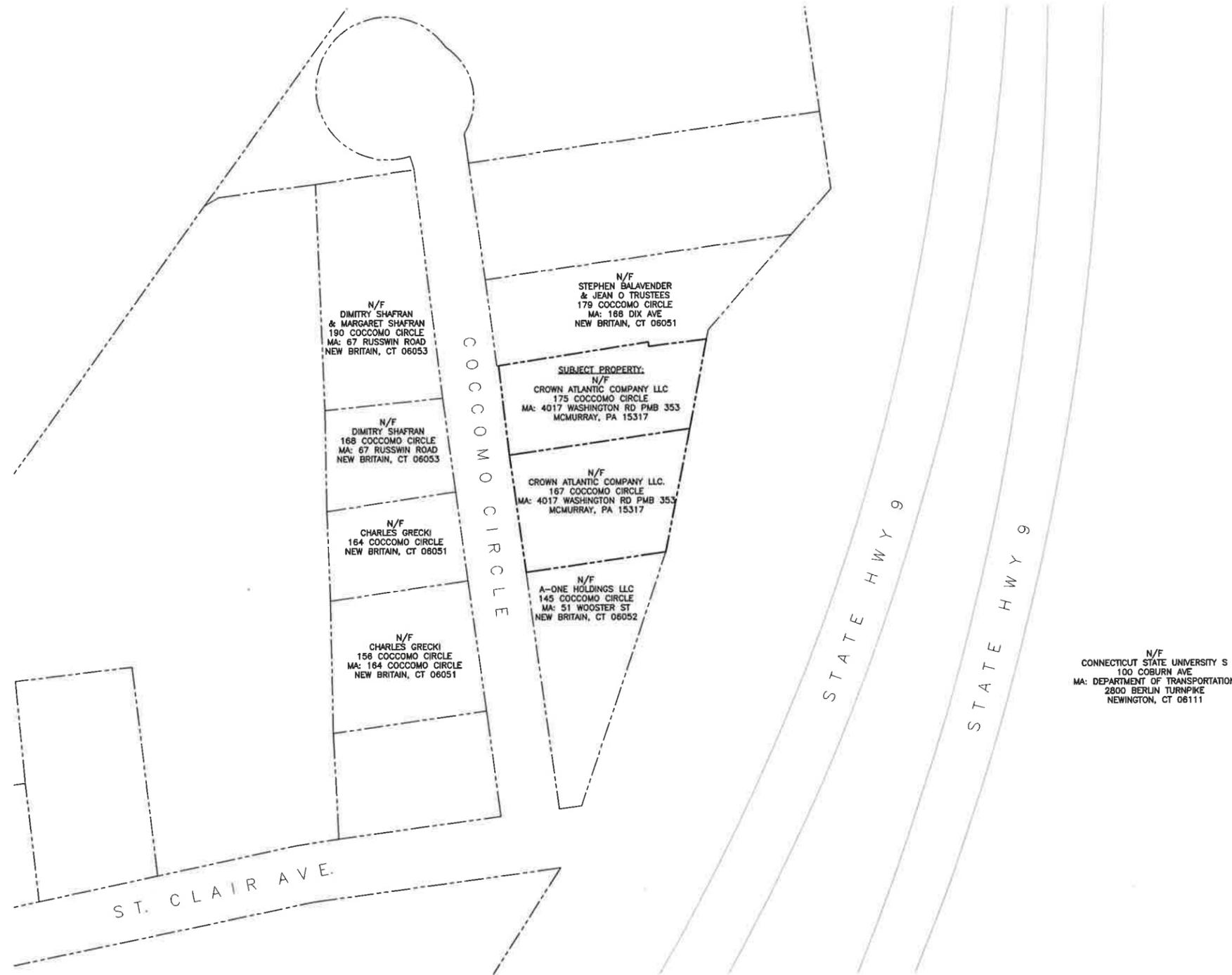


PROJECT SUMMARY	
SITE NAME:	NEW BRITAIN CRAN TELCO HUB
SITE ADDRESS:	167 LESTER STREET, (COCCOMO CIRCLE) NEW BRITAIN, CONNECTICUT 06051
LESSEE/TENANT:	CELLCO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT 06108
CONTACT PERSON:	TOM NOLAN CELLCO PARTNERSHIP (860) 803 8207
SITE COORDINATES:	LATITUDE: 41°-41'-11.83"N LONGITUDE: 72°-45'-27.78"W GROUND ELEVATION: ±92.0' A.M.S.L. COORDINATES REFERENCED FROM CONNECTICUT SITING COUNCIL (CSC) TELECOMMUNICATIONS DATABASE.

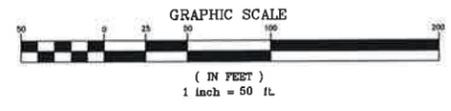
SHEET INDEX		
SHT. NO.	DESCRIPTION	REV. NO.
T-1	TITLE SHEET	3
C-1	ABUTTERS MAP	3
C-2	SITE PLAN & SHELTER ELEVATIONS	3

 d.b.a. verizon wireless	PROFESSIONAL ENGINEER SEAL _____ DATE: 03/23/16
	CENTEK engineering (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 NEW BRITAIN CRAN TELCO HUB 167 LESTER STREET, (COCCOMO CIRCLE) NEW BRITAIN, CT 06051	
DATE: 03/23/16 SCALE: AS NOTED JOB NO. 15062.015	
TITLE SHEET	
T-1 Sheet No. 1 of 3	

REV.	DATE	ISSUED FOR CSC - REVISION	DESCRIPTION			
3	08/01/16	CTP	DMD	DMD	DMD	ISSUED FOR CSC - REVISION EQUIP. CONFIGURATION
2	02/11/16	URA	DMD	DMD	DMD	ISSUED FOR CSC - REVISION EQUIP. CONFIGURATION
1	04/16/16	URA	DMD	DMD	DMD	ISSUED FOR CSC - REVISION EQUIP. CONFIGURATION
0	04/29/16	URA	DMD	DMD	DMD	ISSUED FOR CSC - CLIENT REVIEW

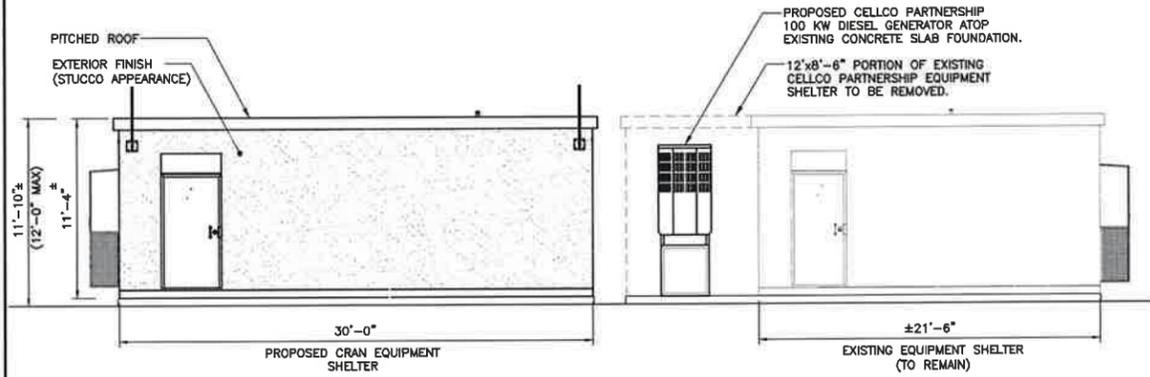


1
C-1 **ABUTTERS MAP**
SCALE: 1" = 50'

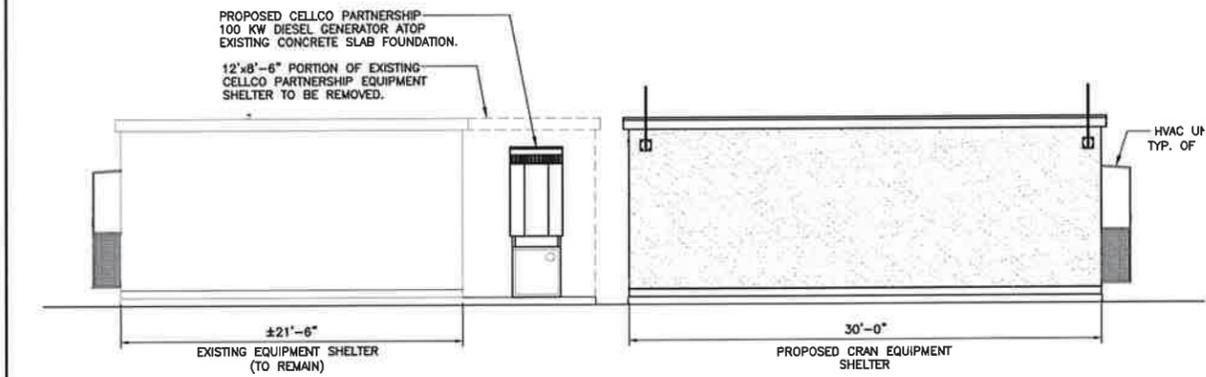


MAP REFERENCE NOTE:
PROPERTY LINES AND PROPERTY OWNER INFORMATION SHOWN HEREIN ARE REFERENCED FROM THE TOWN OF NEW BRITAIN GIS DATA BASE. SITE FEATURES SHOWN HEREIN ARE REFERENCED FROM AVAILABLE MAPPING ON GOOGLE EARTH PRO.

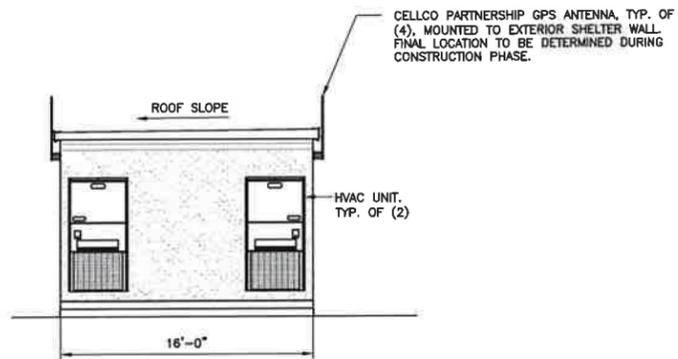
<p>Cellco Partnership d/b/a Verizon Wireless WIRELESS COMMUNICATIONS FACILITY NEW BRITAIN CRAN TELCO HUB 167 LESTER STREET, (COCCOMO CIRCLE) NEW BRITAIN, CT 06051</p>																					
<p>CENTEK Centered on Solutions Engineering</p> <p>(203) 489-0580 (203) 489-8587 Fax 63.2 North Branford Road Branford, CT 06405 www.CentekEng.com</p>	<p>Cellco Partnership d.b.a. Verizon Wireless</p>																				
<p>DATE: 03/23/16 SCALE: AS NOTED JOB NO. 15062.015</p>	<p>PROFESSIONAL ENGINEER SEAL</p>																				
<p>ABUTTERS MAP</p>	<p>REV. DATE DRAWN BY CHK'D BY DESCRIPTION</p> <table border="1"> <tr> <td>3</td> <td>08/01/16</td> <td>CTP</td> <td>DMD</td> <td>ISSUED FOR CSC - REVISED EQUIP. CONFIGURATION</td> </tr> <tr> <td>2</td> <td>05/11/16</td> <td>ORA</td> <td>DMD</td> <td>ISSUED FOR CSC - REVISED EQUIP. CONFIGURATION</td> </tr> <tr> <td>1</td> <td>04/19/16</td> <td>ORA</td> <td>DMD</td> <td>ISSUED FOR CSC - REVISED EQUIP. CONFIGURATION</td> </tr> <tr> <td>0</td> <td>07/29/16</td> <td>ORA</td> <td>DMD</td> <td>ISSUED FOR CSC - CLIENT REVIEW</td> </tr> </table>	3	08/01/16	CTP	DMD	ISSUED FOR CSC - REVISED EQUIP. CONFIGURATION	2	05/11/16	ORA	DMD	ISSUED FOR CSC - REVISED EQUIP. CONFIGURATION	1	04/19/16	ORA	DMD	ISSUED FOR CSC - REVISED EQUIP. CONFIGURATION	0	07/29/16	ORA	DMD	ISSUED FOR CSC - CLIENT REVIEW
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<p>C-1</p> <p>Sheet No. 2 of 3</p>																					



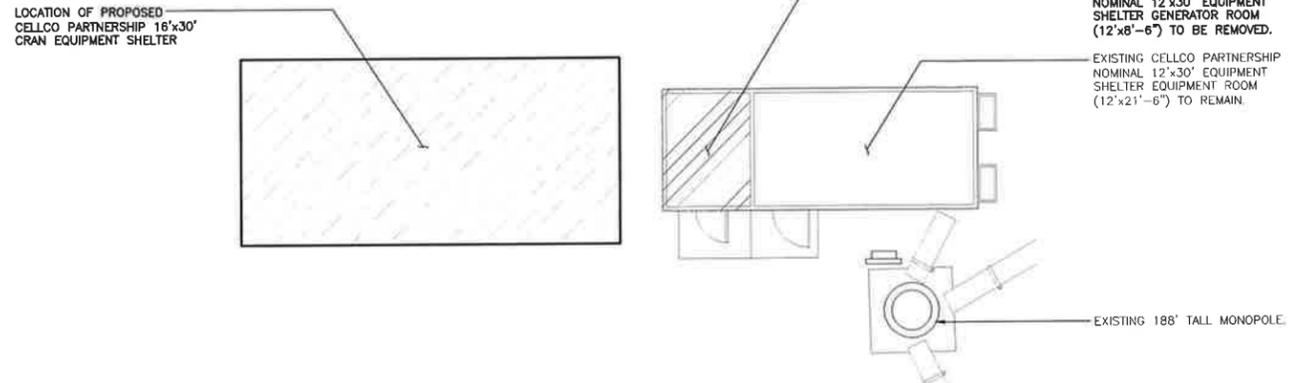
3 SOUTH SHELTER ELEVATION
 C-2 SCALE: 3/16" = 1'-0"



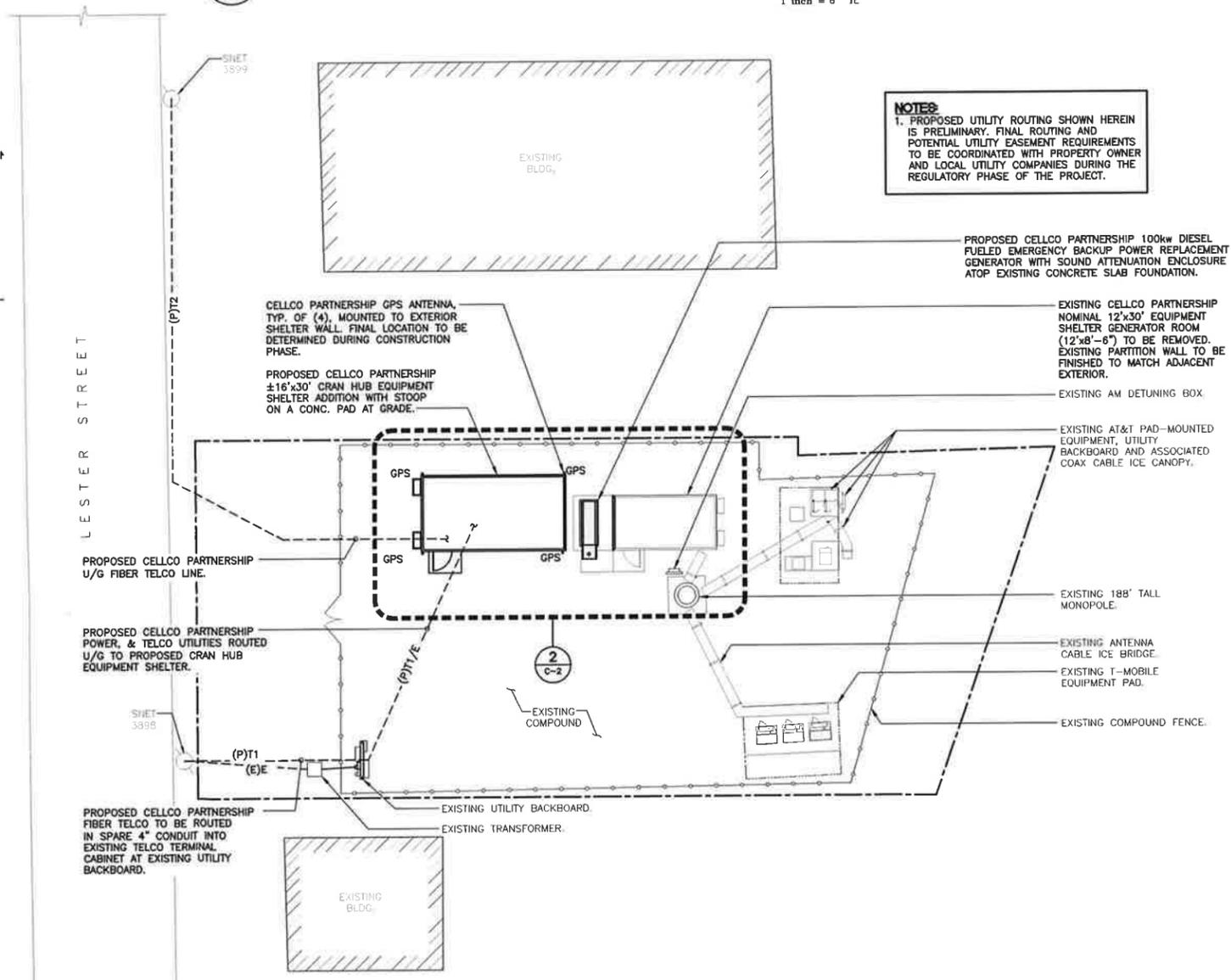
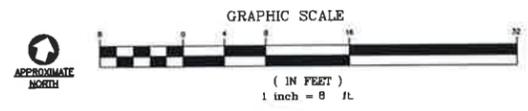
4 NORTH SHELTER ELEVATION
 C-2 SCALE: 3/16" = 1'-0"



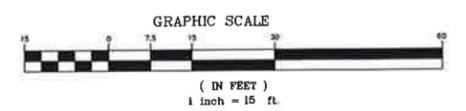
5 WEST SHELTER ELEVATION
 C-2 SCALE: 3/16" = 1'-0"



2 PARTIAL SITE PLAN - EXISTING
 C-2 SCALE: 1" = 8'



1 SITE PLAN - PROPOSED
 C-2 SCALE: 1" = 15'



NOTES:
 1. PROPOSED UTILITY ROUTING SHOWN HEREIN IS PRELIMINARY. FINAL ROUTING AND POTENTIAL UTILITY EASEMENT REQUIREMENTS TO BE COORDINATED WITH PROPERTY OWNER AND LOCAL UTILITY COMPANIES DURING THE REGULATORY PHASE OF THE PROJECT.

ISSUED FOR CSC - REVISED EQUIP. CONFIGURATION	08/01/16	CTP	DMD
ISSUED FOR CSC	05/11/16	ORA	DMD
ISSUED FOR CSC-REVISED EQUIP. CONFIGURATION	04/18/16	ORA	DMD
ISSUED FOR CSC-CLIENT REVIEW	04/05/16	ORA	DMD
DATE	03/23/16	DRAWN BY	CHK'D BY
REV.			
DESCRIPTION			

PROFESSIONAL ENGINEER SEAL

Cellco Partnership
 d.b.a. Verizon Wireless

CEN TEK engineering
 Centered on Solutions

(203) 468-0580
 (203) 468-5587 Fax
 43-2 North Branford Road
 Branford, CT 06405
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Cellco Partnership d/b/a Verizon Wireless
 WIRELESS COMMUNICATIONS FACILITY
NEW BRITAIN CRAN TELCO HUB
 167 LESTER STREET, (COCCOMO CIRCLE)
 NEW BRITAIN, CT 06051

DATE: 03/23/16
 SCALE: AS NOTED
 JOB NO. 15062.015

SITE PLAN & SHELTER ELEVATIONS

C-2
 Sheet No. 3 of 3

HMB Acoustics LLC

3 Cherry Tree Lane, Avon, CT 06001

HMB

860-677-5955

Noise Evaluation Report

Verizon New Britain Cran Telco Hub System
Emergency Generator and HVAC Units
167 Lester Street
New Britain, CT

July 29, 2016

Prepared For:
Carl T. Pappalardo
Project Engineer
Centek Engineering Inc.
63-2 North Branford Road
Branford, CT

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

INTRODUCTION

Verizon is planning to relocate a 100 kw diesel fueled emergency backup generator with a Level 2 Sound Enclosure. The site location is at 167 Lester Street, New Britain, CT.

- This generator will be located outdoors between an existing equipment shelter, to the east of the generator, and a proposed equipment shelter to the west of the generator. Each equipment shelter will have two wall mounted HVAC units. These units are usually used to cool the radio equipment inside each shelter.

On April 22, 2016, I visited the site in order to perform an evaluation of the surrounding area. I found the area to be mixed Industrial, Commercial, and Residential. The average background noise level was 55-60 dBA caused by vehicular traffic flow on Route 9 to the east and south of the proposed generator and equipment shelters. The purpose of this evaluation is to determine whether the generator and HVAC units will comply with the State of CT Noise Regulations.

It is important to note that the emergency generator operates for approximately 15-20 minutes each 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.

This report and the noise regulations 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.

NOISE REGULATIONS

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

Daytime Hours - The hours between 7 a.m. and 10 p.m. local time.

Nighttime Hours - The hours between 10 p.m. and 7 a.m. local time.

Noise Evaluation Results

The noise level from the proposed generator and four (4) HVAC units operating simultaneously, and projected to the nearest Industrial, Commercial, and Residential property lines are shown in TABLE 1.

The generator and four (4) HVAC units are the noise emitters and are located in an Industrial Noise Zone.

TABLE 1

Allowable Noise Levels (dBA)

<u>Emitter Zone</u>	<u>At Receptor Zones</u>			
	<u>Industrial</u>	<u>Commercial</u>	<u>Residential/Day</u>	<u>Residential/Night</u>
Industrial	70*	66*	61	51

* Day and Night

The Calculated dBA Noise Levels From The Proposed Generator And 4 HVAC Units Operating Simultaneously Have Been Projected To The Nearest Noise Receptor Property Lines

<u>Property Line</u>	<u>Industrial</u>	<u>Commercial</u>	<u>Residential</u>
North	-	59	41
South	-	-	51
East	Route 9 Vehicular Traffic		
West	35	-	49

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 4 HVAC units running simultaneously meet the conditions for compliance as set forth in the noise regulations when projected to the nearest Residential, Commercial, and Industrial property lines.

It is also noted that the existing AT&T and T-Mobile pad mounted equipment noise levels were inaudible at a distance of fifteen feet and were therefore not factored into this noise evaluation report.