

STATE OF CONNECTICUT CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051 Phone: (860) 827-2935 Fax: (860) 827-2950 E-Mail: siting.council@ct.gov

Web Site: portal.ct.gov/csc

VIA ELECTRONIC MAIL

September 30, 2021

Victoria Masse Northeast Site Solutions 420 Main Street, Unit 2 Sturbridge, MA 01566 victoria@northeastsitesolutions.com

RE: EM-T-MOBILE-105-210816 - T-Mobile notice of intent to modify an existing

telecommunications facility located at 62-1 Boggy Hole Road, Old Lyme, Connecticut.

Dear Ms. Masse:

The Connecticut Siting Council (Council) is in receipt of your correspondence of September 27, 2021 submitted in response to the Council's September 22, 2021 notification of an incomplete request for exempt modification with regard to the above-referenced matter.

The submission renders the request for exempt modification complete and the Council will process the request in accordance with the Federal Communications Commission 60-day timeframe.

Thank you for your attention and cooperation.

Sincerely,

Melanie Bachman Executive Director

Muk Bal

MAB/FOC/laf



Northeast Site Solutions Victoria Masse 420 Main Street #2, Sturbridge, MA 01566 860-306-2326 victoria@northeastsitesolutions.com

August 9, 2021

Members of the Siting Council Connecticut Siting Council Ten Franklin Square New Britain, CT 06051

RE: Notice of Exempt Modification

72 Boggy Hole Road, Old Lyme CT 06371

Latitude: 41. 32215 Longitude: -72.30747

T-Mobile Site#: CT11636A _NHP

Dear Ms. Bachman:

T-Mobile currently has nine (9) antennas at the 175-foot level of the existing 175-foot tower located at 72 Boggy Hole Road, Old Lyme CT 06371. The underlying property is owned by Michael W. Sanders and Wireless Solutions VI, LLC is the tower owner. T-Mobile now intends to add a 25Kw generator to a new concrete pad within a fenced compound.

Planned Modifications:

Ground work only-Install New:

- (1) GENERAC RD 25 KW AC DIESEL GENERATOR 240-gallon double walled self-contained tank with fuel sensor. Requires two (2) 12-minute run cycles by-weekly.
- (1) 9'x15' Concrete pad



This facility was approved by the CT Siting Council Docket No.209 on June 25, 2002. This modification complies with this original approval. Please see attached.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.S.C.A. § 16-50j-73, a copy of this letter is being sent to First Selectwoman Bonnie Reemsnyder, Elected Official and Keith Rosenfeld, Zoning Enforcement Officer for the Town of Old Lyme, as well as the property owner and the tower owner.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S;A. § 16-50j-72(b)(2).

- 1. The proposed modifications will not result in an increase in the height of the existing structure.
- 2. The proposed modifications will not require the extension of the site boundary.
- 3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
- 4. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.
- 5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
- 6. The existing structure and its foundation can support the proposed loading.

For the foregoing reasons, T-Mobile respectfully submits that the proposed modifications to the above referenced telecommunications facility constitute an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

Victoria Masse

Mobile: 860-306-2326 Fax: 413-521-0558

Office: 420 Main Street, Unit 2, Sturbridge MA 01566

Email: victoria@northeastsitesolutions.com



Attachments cc: First Selectwoman Bonnie Reemsnyder Old Lyme Memorial Town Hall 52 Lyme Street Old Lyme, CT 06371

Old Lyme Memorial Town Hall 52 Lyme Street Old Lyme, CT 06371 Attn: Keith Rosenfeld Zoning Enforcement Officer

Wireless Solutions, LLC -as tower owner PO Box 284 Old Lyme, CT 06371 Attn: Ken Thomas

Michael W Sanders -as property owner 72 Boggy Hole Road, Old Lyme, CT 06371

Exhibit A

DOCKET NO. 209 - Wireless Solutions, LLC Certificate of }

Environmental Compatibility and Public Need for the construction, maintenance, and operation of a wireless telecommunication facility } Siting at one of two locations at 72 Boggy Hole Road, or at 62-1 Boggy Hole Road, Old Lyme, Connecticut. }

Council

Revised Decision and Order

Pursuant to the foregoing Revised Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility at the proposed Alternate #1 site in Old Lyme, Connecticut, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and therefore directs that a Certificate of Environmental Compatibility and Public Need (Certificate), be issued to Wireless Solutions, LLC for the construction, maintenance, and operation of a telecommunication facility at the proposed Alternate #1 site at 62-1 Boggy Hole Road, Old Lyme, Connecticut. We revoke the Decision and Order and Certificate issued to Wireless Solutions, LLC on December 11, 2001 for the construction, maintenance, and operation of a telecommunication facility at proposed alternate site at 72 Boggy Hole Road. The Council denies certification of the proposed prime and alternate sites at 72 Boggy Hole Road, Old Lyme.

The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

- 1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas for SNET Mobility, LLC, AT&T Wireless, Inc., Nextel Communications of the Mid-Altantic, VoiceStream Wireless Corporation, and other telecommunications entities both public and private, but such tower shall not exceed a height of 175 feet above ground level (AGL), including antennas.
- 2. The Certificate Holder shall construct a single equipment building with suitable architectural treatment to accommodate the telecommunications equipment for the carriers who have executed a lease at the time of construction, and allow future carriers to add onto the equipment building in increments, with the same external design and finish.
- 3. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and approved by the Council prior to the commencement of facility construction and shall include: a final site plan(s) for development of the proposed Alternate #1 site, including the location and specifications for the tower foundation, antennas, equipment building, security fence, access road consistent with the Town of Old Lyme regulations, and utility line; construction plans for site grading, tree trimming, water drainage, and erosion and sedimentation controls consistent with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended; landscaping; a tower finish that may include painting; and provisions for the prevention and containment of spills and/or other discharge into surface water and groundwater bodies.

Docket No. 209 Revised Decision and Order Page 2

- 4. The Certificate Holder shall provide the Council with a determination from the Federal Aviation Administration regarding obstruction marking and lighting; and a determination from the Connecticut Department of Environmental Protection regarding Federal or State Endangered, Threatened or Special Concern Species at the Alternate #1 site, during the submission of the D&M Plan.
- 5. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
- 6. The Certificate Holder shall provide the Council with a recalculated report of electromagnetic radio frequency power density if and when circumstances in operation cause a change in power density above the levels originally calculated and provided in the application.
- 7. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
- 8. If the facility does not initially provide, or permanently ceases to provide wireless services following completion of construction, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.
- 9. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and cease to function.
- 10. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within one year of the effective date of this Decision and Order or within one year after all appeals to this Decision and Order have been resolved.

Pursuant to General Statutes § 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in The Hartford Courant, The Day, and the Pictorial/Gazette.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.

The parties and intervenors to this proceeding are:

Certificate Holder

Wireless Solutions, LLC

Peter J. Tyrell, Esq. Levy & Droney, P.C. 74 Batterson Park Road Farmington, CT 06032

Intervenor

SNET Mobility, LLC Charles R. Andres

Tyler Cooper & Alcorn, LLP 205 Church Street, P.O. Box 1936 New Haven, CT 06509-1910

Party

Town of Old Lyme Zoning Commission Eric Knapp, Esq.

Branse & Willis, LLC
41-C New London Turnpike
Glen Lochen East

Glastonbury, CT 06033-2038

Intervenor

Nextel Communications of the Mid-Atlantic, Inc. d/b/a Nextel

Communications

Christopher B. Fisher, Esq. Cuddy & Feder & Worby

90 Maple Avenue

White Plains, NY 10601

Intervenor

VoiceStream Wireless Corporation

Stephen J. Humes Diane W. Whitney

LeBoeuf, Lamb, Greene & MacRae, LLP

Goodwin Square 225 Asylum Street Hartford, CT 06103

Intervenor

Cellco Partnership d/b/a Verizon Wireless Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103-3597

Exhibit B

62-1 BOGGY HOLE RD

Location 62-1 BOGGY HOLE RD Mblu 22//74//

Acct# 00113800 Owner SANDERS MICHAEL W

Assessment \$61,600 Appraisal \$88,000

PID 1293 Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2019	\$50,000	\$38,000	\$88,000
	Assessment		
Valuation Year	Improvements	Land	Total
2019	\$35,000	\$26,600	\$61,600

Owner of Record

Owner SANDERS MICHAEL W Sale Price \$75,000

Co-Owner Certificate

 Address
 72 BOGGY HOLE RD
 Book & Page
 0280/0675

 OLD LYME, CT 06371
 Sale Date
 03/01/2002

Sale Date 03/01/2002 Instrument UNKQ

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
SANDERS MICHAEL W	\$75,000		0280/0675	UNKQ	03/01/2002
MACHNIK JOSEPH E	\$0		0146/0481		

Building Information

Building 1 : Section 1

Year Built:

Living Area: 0
Replacement Cost: \$0

Building Percent Good:

Replacement Cost

Less Denreciation:

Less Depreciation: \$0			
Building Attributes			
Field	Description		
Style:	Outbuildings		
Model			
Grade:			
Stories:			
Occupancy			
Exterior Wall 1			
Exterior Wall 2			
Roof Structure:			
Roof Cover			
Interior Wall 1			
Interior Wall 2			
Interior Flr 1			
Interior Flr 2			
Heat Fuel			
Heat Type:			
AC Type:			
Total Bedrooms:			
Total Bthrms:			
Total Half Baths:			
Total Xtra Fixtrs:			
Total Rooms:			
Bath Style:			
Kitchen Style:			
Num Kitchens			
Cndtn			
Num Park			
Fireplaces			
Fndtn Cndtn			
Basement			
1			

Building Photo



(http://images.vgsi.com/photos/OldLymeCTPhotos//default.jpg)

Building Layout

Building Layout

 $(http://images.vgsi.com/photos/OIdLymeCTPhotos//Sketches/1293_1293.jr$

Building Sub-Areas (sq ft)	<u>Legend</u>
No Data for Building Sub-Areas	
No Data for Building Sub-Areas	

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Land Line Valuation

Use Code 424V

Description ELEC

ELECSUBSTA MDL-00

Zone RU80 Neighborhood 0050

Alt Land Appr No

Category

 Size (Acres)
 10

 Frontage
 0

 Depth
 0

Assessed Value \$26,600 **Appraised Value** \$38,000

Outbuildings

		Outbuildings			<u>Legend</u>	
Code	Code Description Sub Code Sub Description			Size Value		Bldg #
MSC1	CELL TOWER			0.00 UNIT	\$50,000	1

Valuation History

Appraisal Appraisal			
Valuation Year	Total		
2020	\$50,000	\$38,000	\$88,000
2019	\$0	\$40,000	\$40,000
2018	\$0	\$40,000	\$40,000

Assessment				
Valuation Year	Improvements	Land	Total	
2020	\$35,000	\$26,600	\$61,600	
2019	\$0	\$28,000	\$28,000	
2018	\$0	\$28,000	\$28,000	

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62-1 Boggy Hole Rd



Property Information

Property ID 22-74

Location 62-1 BOGGY HOLE RD Owner SANDERS MICHAEL W



MAP FOR REFERENCE ONLY NOT A LEGAL DOCUMENT

Town of Old Lyme, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 7/30/2020 Data updated 11/19/2018

Exhibit C

T·-Mobile-

T-MOBILE NORTHEAST LLC

NATIONAL HARDENING PROJECT

SITE NUMBER: CT11636A

SITE NAME: WIRELESS SOLUTIONS OLD LYME

SITE ADDRESS: 62-1 BOGGY HOLE ROAD

OLD LYME, CT 06371

PROJECT NOTES:

- THIS IS AN UNMANNED TELECOMMUNICATION FACILITY AND NOT FOR HUMAN HABITATION: HANDICAPPED ACCESS IS NOT REQUIRED. POTABLE WATER OR SANITARY SERVICE IS NOT REQUIRED. NO OUTDOOR STORAGE OR ANY SOLID WASTE RECEPTACLES REQUIRED.
- CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES REFORE PROCEEDING WITH THE WORK FAILURE TO NOTIFY THE ARCHITECT/ENGINEER PLACES THE RESPONSIBILITY ON THE CONTRACTOR TO CORRECT THE DISCREPANCIES AT THE CONTRACTOR'S EXPENSE.
- DEVELOPMENT AND USE OF THE SITE WILL CONFORM TO ALL APPLICABLE CODES, ORDINANCES AND SPECIFICATIONS.

CODE COMPLIANCE:

ALL WORK SHALL COMPLY WITH THE CURRENT NATIONAL AND CONNECTICUT STATE BUILDING AND LIFE SAFETY CODES, SUPPLEMENTS AND AMENDMENTS INCLUDING BUT NOT LIMITED TO THE LATEST EDITION OF

CONNECTICUT STATE BUILDING CODE (CSBC).

ANSI/TIA-222-G STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS.

NATIONAL ELECTRICAL CODE (NEC) FOR POWER AND GROUNDING REQUIREMENTS.

OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).

NFPA - NATIONAL FIRE PROTECTION ASSOCIATION.



Advance Notice: Minimum of 2 working days in advance, no

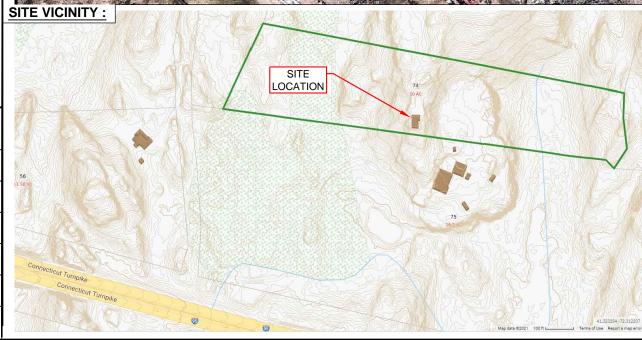
more than 30 days in advance

APPROVALS:

<u></u>	
FSA CM	DATE
RF ENGINEER	DATE
FOPS	DATE
T-MOBILE ENGINEERING AND DEVELOPMENT	DATE
	DATE
	DATE

SITE IMAGE:





PROJECT SCOPE:

THE PROPOSED PROJECT SCOPE WILL CONSIST OF INSTALLING A NEW GENERAC RD 25 KW AC DIESEL GENERATOR AND TANK FOR AN EXISTING TELECOM BASE STATION. NO SIGNIFICANT GRADING IS REQUIRED. ALL PROPOSED CONSTRUCTION WILL BE CONTAINED WITHIN TOWER SITE

PROJECT INFORMATION:

WIRELESS SOLUTIONS OLD LYME SITE ADDRESS: 62-1 BOGGY HOLE ROAD OLD LYME, CT 06371

ZONING DISTRICT:

MONOPOLE TOWER

41° 19' 19.26" N, 71° 18' 26.69" W 81'± (AMSL) COORDINATES: GROUND FLEV:

PROJECT TEAM:

T-MOBILE NORTHEAST, LLC. APPLICANT:

35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002

SANDERS MICHAEL W PROPERTY OWNER

72 BOGGY HOLE ROAD OLD LYME, CT 06371

860-692-7100

PROJECT MANAGER: NORTHEAST SITE SOLUTIONS

420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 SHELDON FREINCLE

SHELDON@NORTHEASTSITESOLUTIONS.COM

201-776-8521

ENGINEERING CONSULTANTS: FORESITE LLC

462 WALNUT ST, SUITE 1 NEWTON, MA 02460 SAEED MOSSAVAT

SMOSSAVAT@FORESITELLC.COM

617-212-3123

SHEET INDEX:

TITLE SHEET GENERAL NOTES

GENERATOR SPECIFICATIONS AND DETAILS A-3:

GENERATOR SPECIFICATIONS AND DETAILS

AUTOMATIC TRANSFER SWITCH SPECIFICATIONS

UNDERGROUND CONDUIT DETAILS

ELECTRICAL DETAILS

GROUNDING DETAILS

APPLICANT:

T - Mobile T-MOBILE NORTHEAST LLC

35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 860-692-7100

PROJECT MANAGER



420 MAIN STREET, BLDG 4 STURBRIDGE MA 01566 203-275-6669

CONSULTANT:



462 WALNUT STREET NEWTON, MA 02460 617-212-3123



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REV	DESCRIPTION	DATE
Α	PRELIMINARY	04/13/21
В	GENERATOR RELOCATED	04/22/21

SITE NUMBER: CT11636A SITE NAME: WIRELESS SOLUTIONS OLD LYME SITE ADDRESS: 62-1 BOGGY HOLE ROAD OLD LYME, CT 06371

> SHEET TITLE: T-1: TITLE SHEET

GENERAL NOTES:

- 1. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
- 2. THE ARCHITECT/ENGINEER HAS MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
- 3. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE CLIENT'S REPRESENTATIVE OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK.
- 5. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
- 6. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S / VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
- 7. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS DURING CONSTRUCTION
- 8. THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT SECTIONS OF THE BASIC STATE BUILDING CODE, LATEST EDITION. AND ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJEC
- 9. THE CONTRACTOR SHALL NOTIFY THE CLIENT'S REPRESENTATIVE IN WRITING WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE CLIENT'S REPRESENTATIVE.
- $10. \hspace{0.5cm}$ THE WORK SHALL CONFORM TO THE CODES AND STANDARDS OF THE FOLLOWING AGENCIES AS FURTHER CITED HEREIN:
- A. ASTM: AMERICAN SOCIETY FOR TESTING AND MATERIALS, AS PUBLISHED IN "COMPILATION OF ASTM STANDARDS BUILDING CODES" OR LATEST EDITION.
- B. AWS: AMERICAN WELDING SOCIETY INC. AS PUBLISHED IN "STANDARD D1.1-08, STRUCTURAL WELDING CODE" OR LATEST EDITION.
- C. AISC: AMERICAN INSTITUTE FOR STEEL CONSTRUCTION AS PUBLISHED IN "CODE FOR STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"; "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" (LATEST EDITION).
- 11. BOLTING:
- A. BOLTS SHALL BE CONFORMING TO ASTM A325 HIGH STRENGTH, HOT DIP GALVANIZED WITH ASTM A153 HEAVY HEX TYPE NUTS.
- B. BOLTS SHALL BE 3/4" MINIMUM (UNLESS OTHERWISE NOTED)
- C. ALL CONNECTIONS SHALL BE 2 BOLTS MINIMUM.
- 12. FABRICATION:
- A. FABRICATION OF STEEL SHALL CONFORM TO THE AISC AND AWS STANDARDS AND CODES (LATEST EDITION).
- B. ALL STRUCTURAL STEEL SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 (LATEST EDITION), UNLESS OTHERWISE NOTED.
- 13. ERECTION OF STEEL:
- A. PROVIDE ALL ERECTION EQUIPMENT, BRACING, PLANKING, FIELD BOLTS, NUTS, WASHERS, DRIFT PINS, AND SIMILAR MATERIALS WHICH DO NOT FORM A PART OF THE COMPLETED CONSTRUCTION BUT ARE NECESSARY FOR ITS PROPER ERECTION.
- B. ERECT AND ANCHOR ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC REFERENCE STANDARDS. ALL WORK SHALL BE ACCURATELY SET TO ESTABLISHED LINES AND ELEVATIONS AND RIGIDLY FASTENED IN PLACE WITH SUITABLE ATTACHMENTS TO THE CONSTRUCTION OF THE BUILDING.
- C. TEMPORARY BRACING, GUYING AND SUPPORT SHALL BE PROVIDED TO KEEP THE STRUCTURE SAFE AND ALIGNED AT ALL TIMES DURING CONSTRUCTION, AND TO PREVENT DANGER TO PERSONS AND PROPERTY. CHECK ALL TEMPORARY LOADS AND STAY WITHIN SAFE CAPACITY OF ALL BUILDING COMPONENTS.
- 14. ANTENNA INSTALLATION:
- A. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND CLIENT'S REPRESENTATIVE SPECIFICATIONS.

- B. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.
- C. INSTALL COAXIAL / FIBER CABLES AND TERMINATIONS BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTORS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS.
- 15. ANTENNA AND COAXIAL / FIBER CABLE GROUNDING:
- A. ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH ANDREWS CONNECTOR/SPLICE WEATHERPROOFING KIT TYPE #221213 OR EQUAL.
- B. ALL COAXIAL / FIBER CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL / FIBER CABLE (NOT WITHIN BENDS).
- 16. RELATED WORK, FURNISH THE FOLLOWING WORK AS SPECIFIED UNDER CONSTRUCTION DOCUMENTS, BUT COORDINATE WITH OTHER TRADES PRIOR TO BID:
- A. FLASHING OF OPENING INTO OUTSIDE WALLS
- B. SEALING AND CAULKING ALL OPENINGS
- C. PAINTING
- D. CUTTING AND PATCHING
- 17. REQUIREMENTS OF REGULATORY AGENCIES:
- A. FURNISH U.L. LISTED EQUIPMENT WHERE SUCH LABEL IS AVAILABLE. INSTALL IN CONFORMANCE WITH U.L. STANDARDS WHERE APPLICABLE.
- B. INSTALL ANTENNA, ANTENNA CABLES, GROUNDING SYSTEM IN ACCORDANCE WITH DRAWINGS AND SPECIFICATION IN EFFECT AT PROJECT LOCATION AND RECOMMENDATIONS OF STATE AND LOCAL BUILDING CODES, AND SPECIAL CODES HAVING JURISDICTION OVER SPECIFIC PORTIONS OF WORK. THIS WORK INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:
- C. TIA-EIA 222 (LATEST EDITION). STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES.
- D. FAA FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULAR AC 70/7460-IH, OBSTRUCTION MARKING AND LIGHTING.
- E. FCC FEDERAL COMMUNICATIONS COMMISSION RULES AND REGULATIONS FORM 715, OBSTRUCTION MARKING AND LIGHTING SPECIFICATION FOR ANTENNA STRUCTURES AND FORM 715A, HIGH INTENSITY OBSTRUCTION LIGHTING SPECIFICATIONS FOR ANTENNA STRUCTURES.
- F. AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS (LATEST EDITION).
- G. NEC NATIONAL ELECTRICAL CODE ON TOWER LIGHTING KITS.
- H. UL UNDERWRITER'S LABORATORIES APPROVED ELECTRICAL PRODUCTS.
- I. IN ALL CASES, PART 77 OF THE FAA RULES AND PARTS 17 AND 22 OF THE FCC RULES ARE APPLICABLE AND IN THE EVENT OF CONFLICT, SUPERSEDE ANY OTHER STANDARDS OR SPECIFICATIONS.
- J. 2018 LIFE SAFETY CODE NFPA 101.

APPLICANT:

T - Mobile - T-MOBILE NORTHEAST LLC

35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 860-692-7100

PROJECT MANAGER



420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669

CONSULTANT:



462 WALNUT STREET NEWTON, MA 02460 617-212-3123



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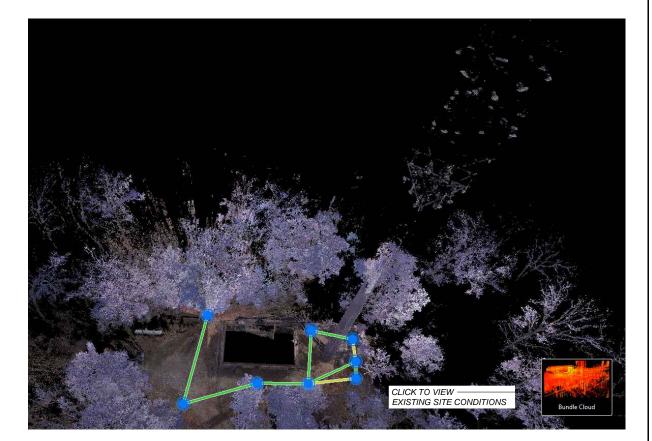
KEV	DESCRIPTION	DATE
Α	PRELIMINARY	04/13/21
В	GENERATOR RELOCATED	04/22/21

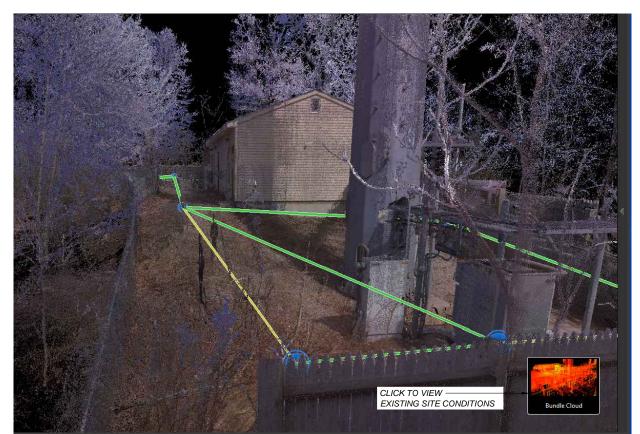
SITE NUMBER: CT11636A SITE NAME: WIRELESS SOLUTIONS OLD LYME SITE ADDRESS: 62-1 BOGGY HOLE ROAD OLD LYME, CT 06371

SHEET TITLE:

A-1: GENERAL NOTES









SITE POINT CLOUD
SCALE: 1"=150'±



APPLICANT:

T - Mobile -

35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 860-692-7100

PROJECT MANAGER



420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669

CONSULTANT:



462 WALNUT STREET NEWTON, MA 02460 617-212-3123

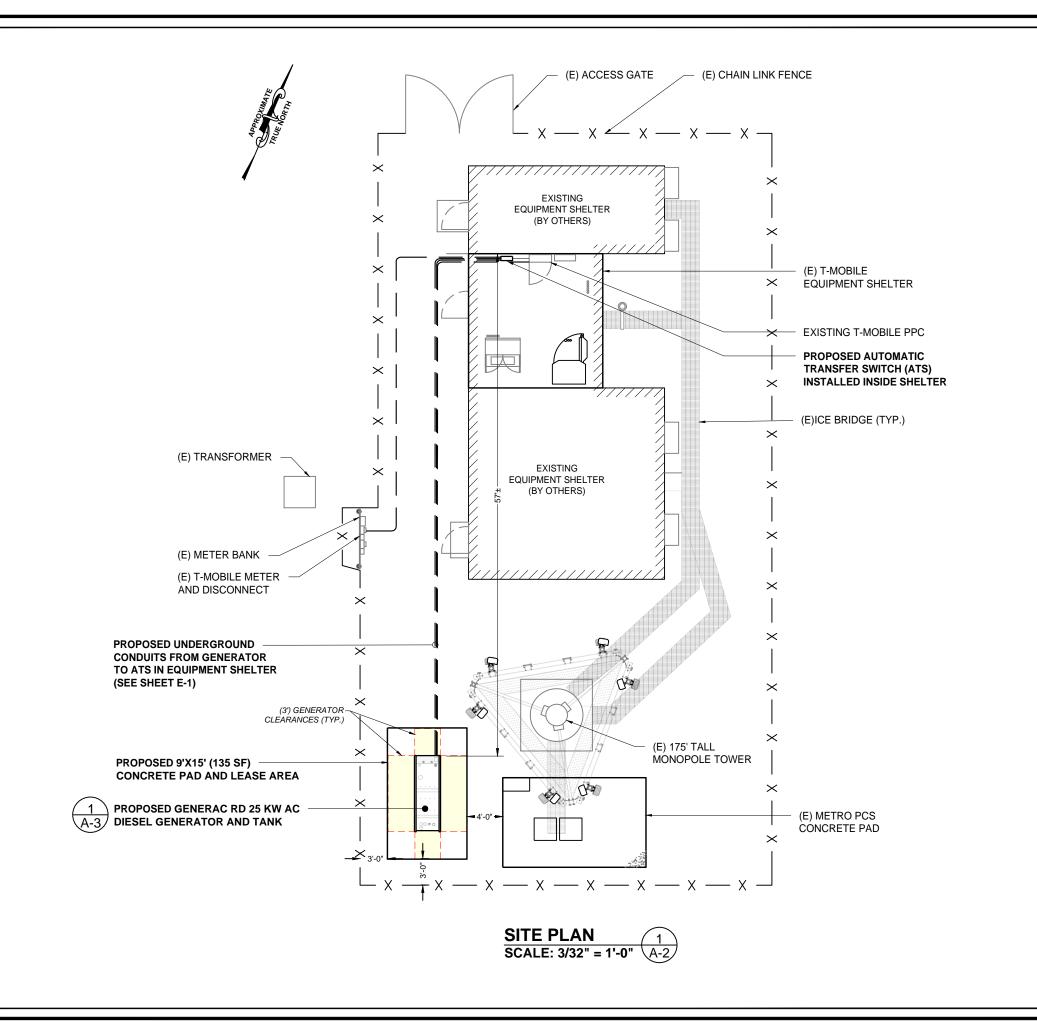


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REV	DESCRIPTION	DATE
Α	PRELIMINARY	04/13/21
В	GENERATOR RELOCATED	04/22/21
		│

SITE NUMBER: CT11636A
SITE NAME: WIRELESS SOLUTIONS OLD LYME
SITE ADDRESS:
62-1 BOGGY HOLE ROAD
OLD LYME, CT 06371

SHEET TITLE:
A-1: SITE POINT CLOUD



APPLICANT:

T - Mobile - T-Mobile NORTHEAST LLC

35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 860-692-7100

PROJECT MANAGER



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CONSULTANT:



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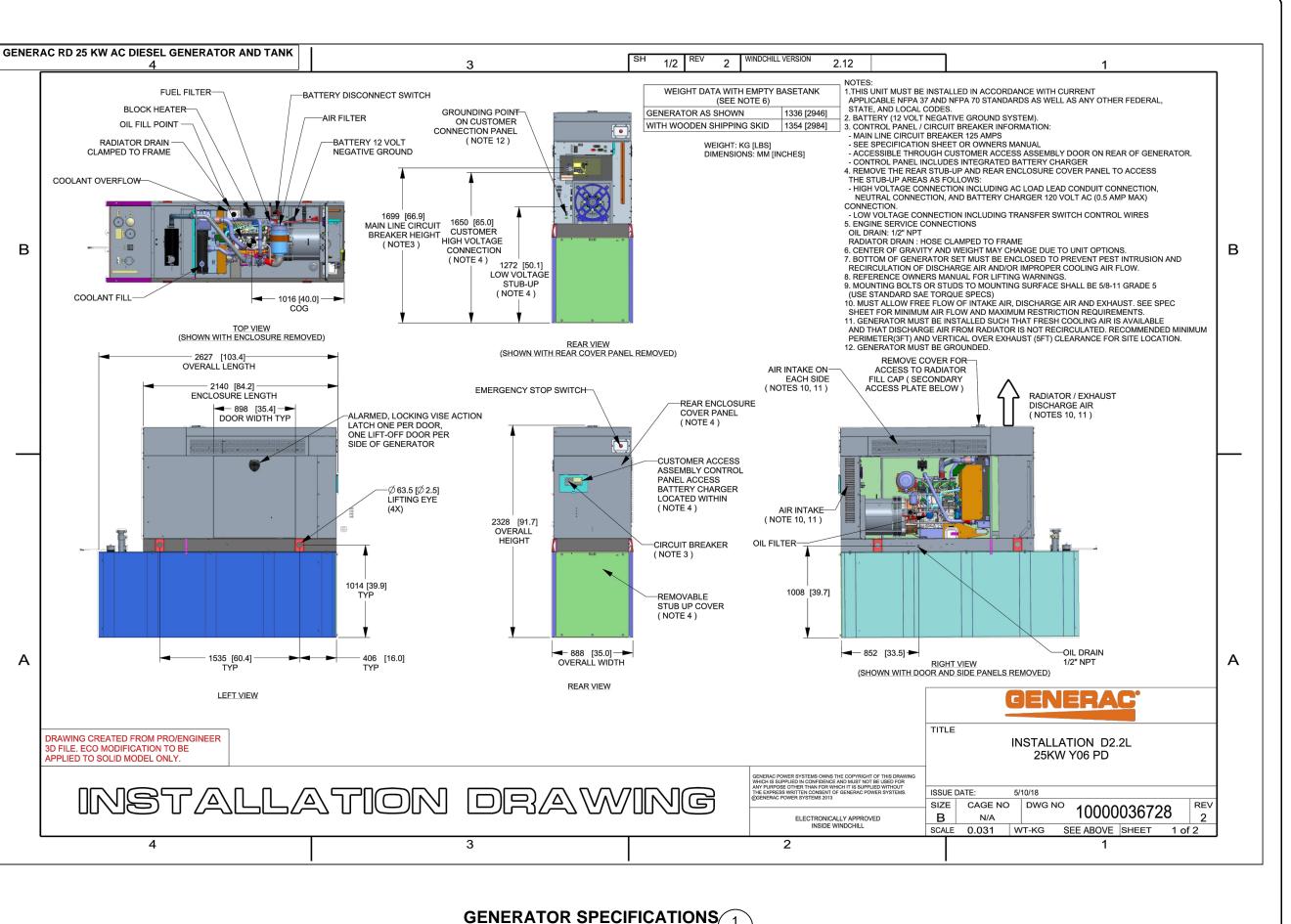


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SITE NAME: WIRELESS SOLUTIONS OLD LYME
SITE ADDRESS:
62-1 BOGGY HOLE ROAD
OLD LYME, CT 06371

SHEET TITLE: A-2: SITE PLAN



APPLICANT:

T - Mobile - T-mobile -

35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 860-692-7100

PROJECT MANAGER

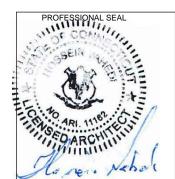


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CONSULTANT:



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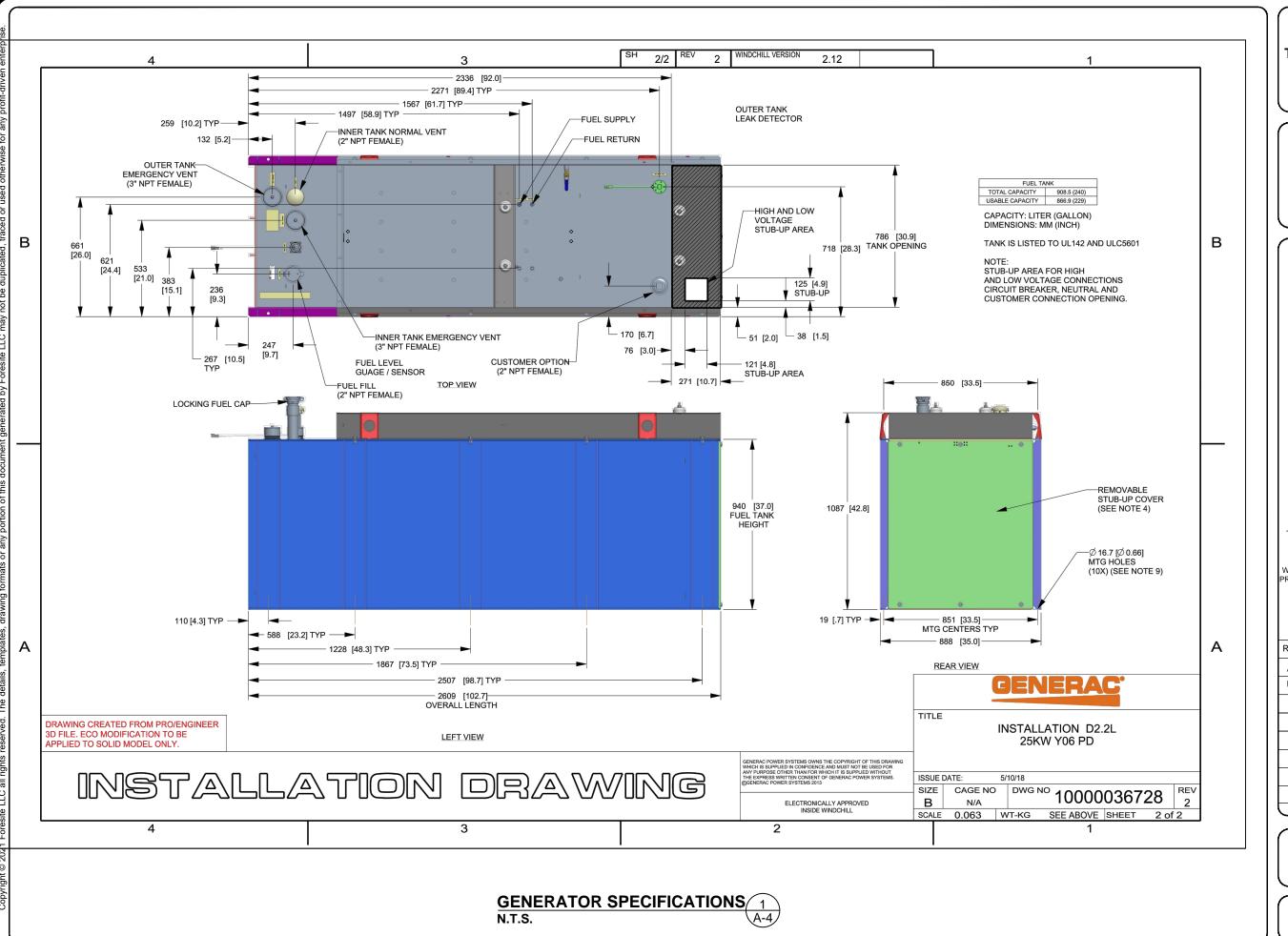
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SHEET TITLE:

A-3: GENERATOR SPECIFICATIONS



APPLICANT: T - Mobile

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PROJECT MANAGER



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CONSULTANT:



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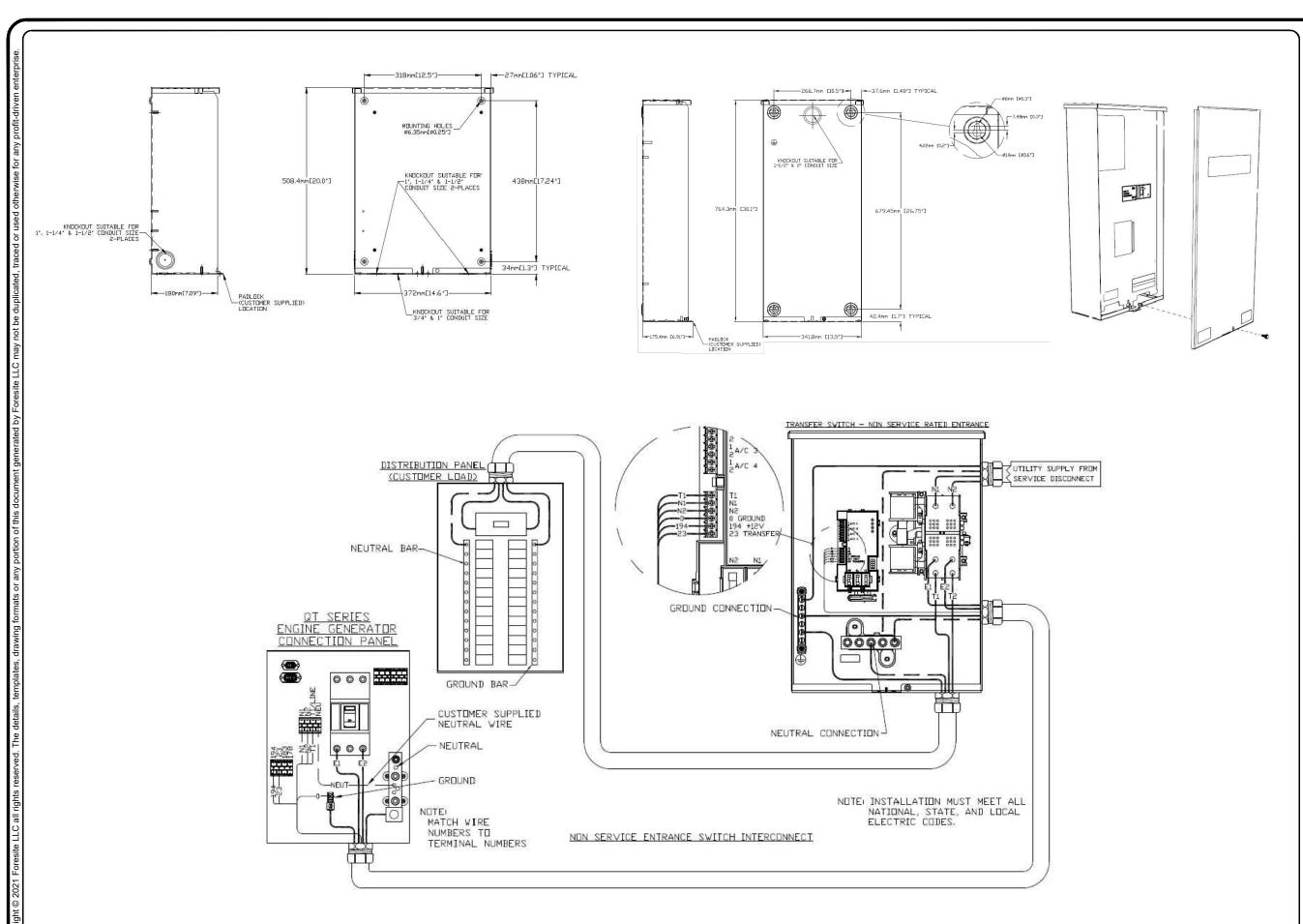
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SHEET TITLE:
A-4: GENERATOR SPECIFICATIONS



AUTOMATIC TRANSFER SWITCH DETAILS 1

(A-5)

SCALE: N.T.S.

APPLICANT:

- Mobile

T-MOBILE NORTHEAST LLC

35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 860-692-7100

PROJECT MANAGER

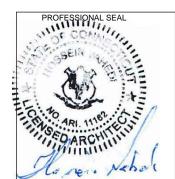


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CONSULTANT:



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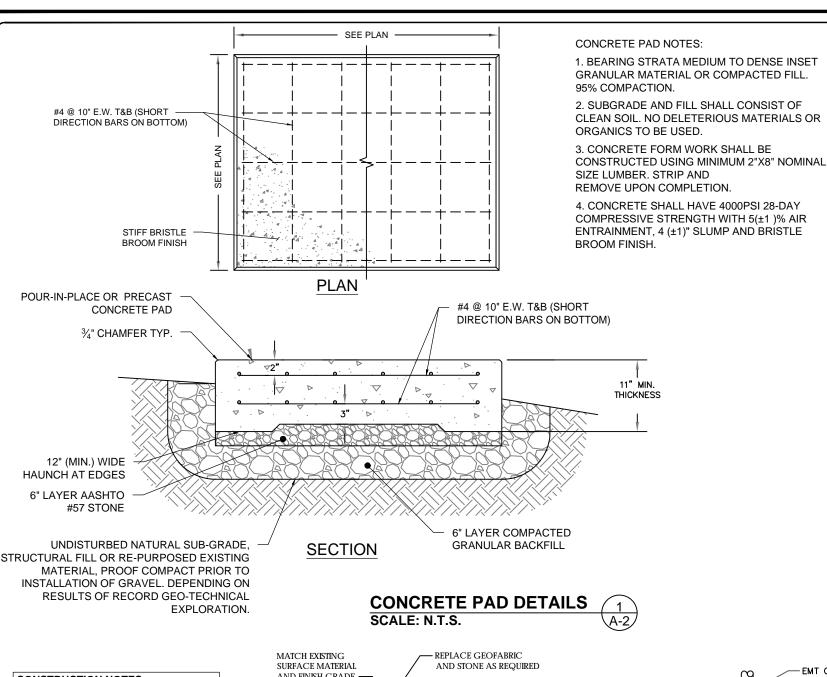
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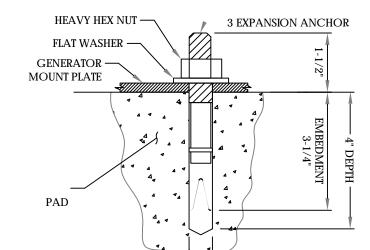
REV	DESCRIPTION	DATE
Α	PRELIMINARY	04/13/21
В	GENERATOR RELOCATED	04/22/21

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SHEET TITLE:

A-5: AUTOMATIC TRANSFER SWITCH DETAILS AND SPECIFICATIONS





NOTES:

1. BOLTS CAN BE INSTALLED 2 DAYS AFTER POURING CONCRETE PROVIDED THE KWIK BOLTS ARE ONLY TIGHTENED TO A SNUG TIGHT CONDITION.

9/16" DIA. HOLE

- 2. APPLY "HILT" HIT-RE 500-SD EPOXY TO ALL GAPS TO PREVENT WATER/MOISTURE BUILD-UP.
- 3. PROVIDE 6 (SEE MANUFACTURERS INSTALLATION DRAWINGS) ANCHOR BOLTS PER SIDE.

ANCHORAGE DETAILS SCALE: N.T.S.



CONSTRUCTION NOTES:

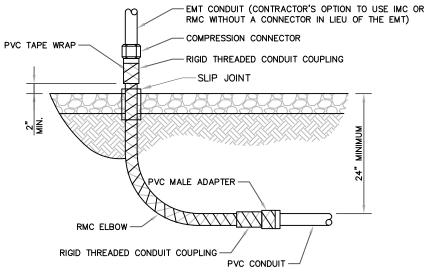
(HAND-DUG UTILITY TRENCH EXCAVATION REQUIRED):

EXISTING UNDERGROUND UTILITY LOCATIONS ARE UNKNOWN.
GENERAL CONTRACTOR SHALL HAND-EXCAVATE TO REQUIRED SUB-GRADE DEPTH, SUFFICIENT TEST HOLES.
ALL PROPOSED UNDERGROUND UTILITY TRENCHES SHALL BE HAND-EXCAVATE AS REQUIRED.

GENERAL CONTRACTOR IS
RESPONSIBLE FOR ANY REQUIRED
SPECIAL TEMPORARY PROTECTION
OF, PHYSICAL DAMAGE TO, OR
REPAIR OF EXISTING UNDERGROUND
CONDUIT INCLUDING RESTORATION
OF SERVICE.

AND FINISH GRADE - UNDISTURBED SOIL - COMPACTED BACKFILL - UTILITY WARNING TAPE BACKFILL (SAND OR NATIVE SOIL) (1) 2" PVC SCHEDULE 80 CONDUIT (1) 1" PVC SCHEDULE 80 CONDUIT W/ CAT-6 CABLE 6" MIN. FROM PIPE TRENCH FACE NOTES: - CONTRACTOR TO HAND DIG ALL NEW 2" MIN. TO ELECTRIC TRENCHES INSIDE THE COMPOUND. SEPARATION DIMENSIONS TO BE VERIFIED WITH LOCAL UTILITY COMPANY REQUIREMENTS. TRENCH DETAILS

SCALE: N.T.S.



CONDUIT STUB UP

SCALE: N.T.S.

ALL METAL CONDUIT INSTALLED IN DIRECT CONTACT WITH THE EARTH SHALL BE CONSIDERED TO BE INSTALLED IN A SEVERELY CORROSIVE ENVIRONMENT AND IS REQUIRED TO HAVE SUPPLEMENTAL PROTECTION AGAINST CORROSION (NEC ARTICLE 342.10(B) & 344.10(B)(1)). THIS PROTECTION SHALL EITHER BE AN APPROVED MANUFACTURER INSTALLED PROTECTIVE COATING ON THE CONDUIT OR SHALL BE (2) LAYERS OF 10 MIL PVC PIPE WRAP TAPE INSTALLED USING OPPOSING SPIRAL WRAPS. ON VERTICAL PIPE THE OUTSIDE LAYER OF TAPE SHALL BE WRAPPED SO AS TO PROVIDE SHEDDING OF WATER (i.e. TAPE SHOULD WRAP IN AN UPWARD DIRECTION WITH LOWER WRAP BEING BENEATH THE WRAP ABOVE). SPIRAL WRAPS SHALL HAVE A MINIMUM OF 1/4" OVERLAP WITH THE PRECEDING TAPE WRAP. ANY OTHER METHODS OF CORROSION PROTECTION SHALL REQUIRE APPROVAL BY THE ENGINEER OF RECORD PRIOR TO BEING USED.

APPLICANT: T • • Mobile • T-MOBILE NORTHEAST LLC

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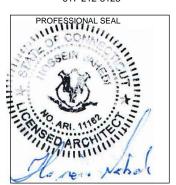


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CONSULTANT:



462 WALNUT STREET NEWTON, MA 02460 617-212-3123



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	_	

SITE NUMBER: CT11636A SITE NAME: WIRELESS SOLUTIONS OLD LYME SITE ADDRESS: 62-1 BOGGY HOLE ROAD OLD LYME, CT 06371

SHEET TITLE:
A-6: UNDERGROUND CONDUIT DETAILS

GENERAL ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS APPLICABLE STATE AND LOCAL CODES INCLUDING LATEST EDITIONS OF:

NFPA - NATIONAL FIRE PROTECTION ASSOCIATION UL - UNDERWRITERS LABORATORIES

NEC - 2017 NATIONAL ELECTRICAL CODE NEMA - NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION

OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT

IBC - 2015 INTERNATIONAL BUILDING CODE

- 2. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PRODUCED PER SPECIFICATION REQUIREMENTS.
- 3. THE ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECIFICATION INCLUDING INCIDENTAL WORK TO PROVIDE COMPLETE OPERATING AND APPROVED ELECTRICAL SYSTEM.
- 4. GENERAL CONTRACTOR SHALL PAY FEES FOR PERMITS, AND RESPONSIBLE FOR OBTAINING SAID PERMITS AND COORDINATION OF INSPECTIONS.
- 5. ELECTRICAL AND TELCO WIRING OUTSIDE A BUILDING AND EXPOSED TO WEATHER SHALL BE IN WATER TIGHT GALVANIZED RIGID STEEL CONDUITS OR SCHEDULE 80 PVC (AS PERMITTED BY CODE) ND WHERE REQUIRED IN LIQUID TIGHT FLEXIBLE METAL OR NONMETALLIC CONDUITS.
- 6. RIGID STEEL CONDUITS SHALL BE GROUNDED AT BOTH ENDS.
- 7. ELECTRICAL WIRING SHALL BE COPPER WITH TYPE XHHW, THWN, OR THIN INSULATION.
- 8. ALL EQUIPMENT LOCATED OUTSIDE SHALL HAVE NAME 3R ENCLOSURE.
- 9. GROUNDING SHALL COMPLY WITH NEC ART. 250.
- 10. GROUNDING COAX CABLE SHIELDS MINIMUM AT BOTH ENDS USING MANUFACTURES COAX CABLE GROUNDING KITS SUPPLIED BY PROJECT OWNER
- 11. USE #6 COPPER STRANDED WIRE WITH GREEN COLOR INSTALLATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE GROUND.
- 12. ALL GROUND CONNECTION TO BE BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR CADWELD EXOTHERMIC WELD. DO NOT ALLOW BARE COPPER WIRE TO BE IN CONTACT WITH GALVANIZED STEEL.
- 13. ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AS RIGHT ANGLE. ALWAYS MAKE AT LEAST 12" RADIUS BENDS. #6 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY BOND ANY METER OBJECTS WITHIN 7 FEET OF PROPOSED EQUIPMENT OR CABINET TO MASTER GROUND BAR.
- 14. CONNECTIONS TO MGB SHALL BE ARRANGED IN THREE MAIN GROUPS: SURGE PROCEDURES (COAXIAL CABLE GROUND KITS, TELCO AND POWER PANEL GROUND); (GROUNDING ELECTRODE RING OR BUILDING STEEL); NON-SURGING OBJECTS (EGB GROUND IN RBS UNIT).
- 15. CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS. APPLY OXIDE INHIBITING COMPOUND TO ALL LOCATIONS.
- 16. APPLY OXIDE INHIBITING COMPOUND TO ALL COMPRESSION TYPE GROUND CONNECTION.
- 17. TEST COMPLETED GROUND SYSTEM AND RECORD RESULTS FOR PROJECT CLOSE-OUT DOCUMENTATION.
- 18. BOND ANY METAL OBJECTS WITHIN 7 FEET OF PROPOSED EQUIPMENT OR CABINET TO MASTER GROUND BAR.
- 19. VERIFY PROPOSED SERVICE UPGRADE WITH LOCAL UTILITY COMPANY PRIOR TO CONSTRUCTION.
- 20. EXISTING UNDERGROUND UTILITY LOCATIONS ARE UNKNOWN. GENERAL CONTRACTOR SHALL HAND-EXCAVATE TO REQUIRED SUB-GRADE DEPTH, SUFFICIENT TEST HOLES OR AS DIRECTED / REQUIRED BY CONSTRUCTION MANAGER. ALL PROPOSED UNDERGROUND UTILITY TRENCHES SHALL BE HAND-EXCAVATE AS REQUIRED. GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY REQUIRED SPECIAL TEMPORARY PROTECTION OF, PHYSICAL DAMAGE TO, OR REPAIR OF EXISTING UNDERGROUND CONDUIT INCLUDING RESTORATION OF SERVICE.
- 21. PROVIDE SLIP JOINS WHERE CONDUITS TRANSITION FROM UNDERGROUND TO ABOVE GROUND.

NOTES:

DIAGRAM AS SHOWN, IS A GENERIC ROUTING SCHEMATIC BASED ON AVAILABLE INFORMATION AND MAY NOT REPRESENT ACTUAL FIELD CONDITIONS. CONTRACTOR SHOULD INSTALL THE GENERATOR, EQUIPMENT AND CONNECTIONS BASED ON VERIFIED ELECTRICAL AUDITS AND PER MANUFACTURER'S INSTALLATION GUIDELINES AS WELL AS ALL APPLICABLE LOCAL AND NATIONAL CODES AND REQUIREMENTS.

GROUNDING NOTES:

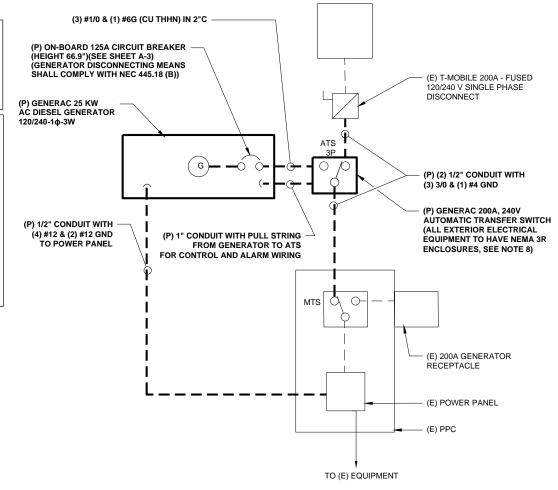
1. GROUNDING SHALL COMPLY WITH NEC ART. 250
AND MANUFACTURER'S RECOMMENDATIONS. TIE INTO THE EXISTING
GROUNDING SYSTEM.

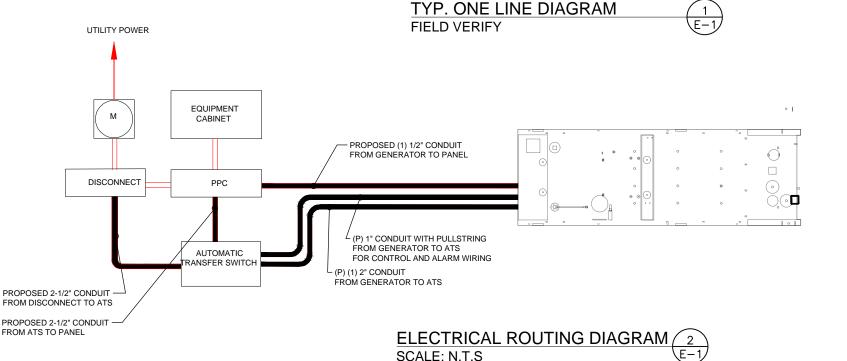
2. CONTRACTOR SHALL INSTALL GROUND RODS ON ALL UNDERGROUND GROUNDING RUNS LONGER THAN 10'. GROUND RODS WILL BE INSTALLED ON 20' CENTERS MAXIMUM.

3. ALL DOWN CONDUCTORS MUST GO DOWN PER NFPA 780.

4. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER WHEN THE GROUNDING SYSTEM IS COMPLETE. THE CONSTRUCTION MANAGER SHALL INSPECT THE GROUNDING SYSTEM PRIOR TO BACKFILLING.

5. CONTRACTOR MY USE EXISTING CONDUITS AND CONDUCTORS PROVIDED THEY ARE IN GOOD CONDITION AND ARE SUFFICIENTLY RATED





APPLICANT:

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PROJECT MANAGER

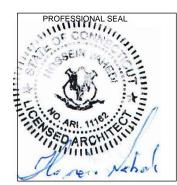


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CONSULTANT:



462 WALNUT STREET NEWTON, MA 02460 617-212-3123



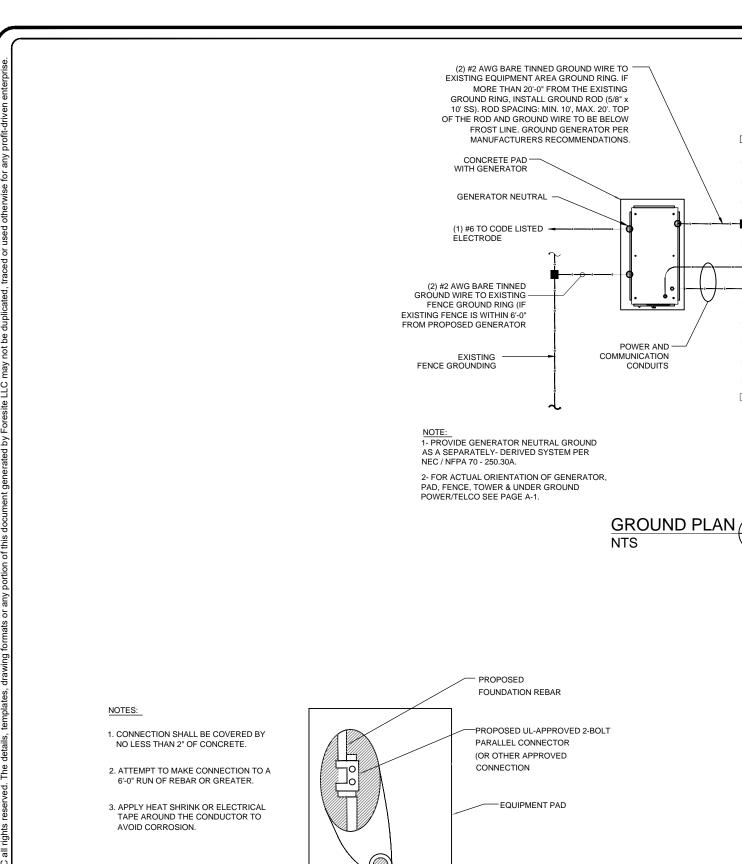
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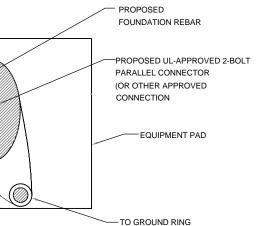
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SHEET TITLE:

E-1: ELECTRICAL DETAILS





EQUIPMENT PAD GROUNDING 2 NTS

NOTE:

EXISTING

#2 AWG BARE TINNED GROUND

GROUND BAR

VERIFY QTY., LENGTH, TYPE &

CONFIGURATION OF GROUND RODS TO

ENSURE SYSTEM PROVIDES GROUND

RESISTANCE OF 5 OHMS OR LESS

NOTE:

WIRE CONNECTED

EQUIPMENT AREA

CONTRACTOR TO USE CLEAR OR GRAY SILICONE AS NECESSARY TO SEAL LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT.

PROPOSED SILICONE PROPOSED LIQUID NON-METALLIC

PROPOSED #2 SOLID

TINNED COPPER WIRE

GROUND WIRE WEATHERPROOFING

APPLICANT:

T - Mobile T-MOBILE NORTHEAST LLC

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PROJECT MANAGER

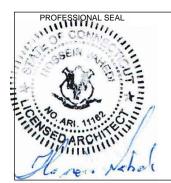


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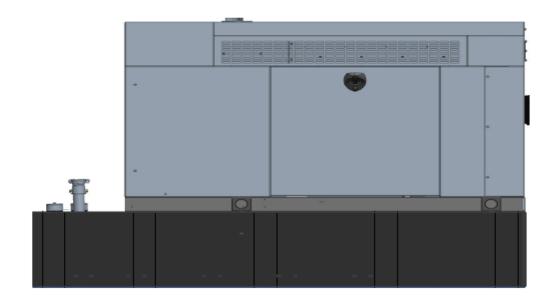
G-1: GROUNDING DETAILS

Exhibit D

T··Mobile· Engineering & Operations

Generac RD025 Design Document

Diesel, AC, 25kW External Fill Tank Model#7192-0 SKU#33651



The following are responsible for this project document:

Kevin Smith SR. Engineer (770) 256-3594

Project Design Spec Revision	1.0	Last Date:08/23/2018	5/14/2018
Final doc URL (~Dnnnnn):			
Location	Use the InfoRouter Search (Advanced) putting the Document ID (nnnnnn without the D) to find the location of the master document.		
Template URL:	http://docs.eng.t-mobile.com/InfoRouter/docs/~D423750 Slightly updated 1/2011		



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1.1	Purpose of Project	3
1.2	Feature Description	3
1.3	Dimensions	3
2	Fuel Tanks	4
3	RXSC200A3 ATS/ Controller	4
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5	Regulatory Requirements	9
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1 Introduction / Project Summary

1.1 Purpose of Project

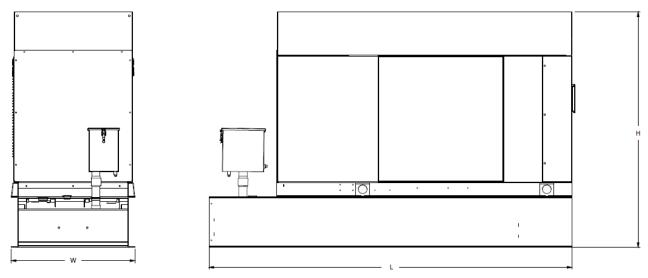
T-Mobile's nationwide cell site hardening plan is providing a refuellable backup power system capable of powering a site for a minimum of 48 hours before refueling is required. The purpose of this project is to give T-Mobile customers reliable service during power outages and provide a sufficient layer of coverage. This design document is for Generac's RD025 model#7192-0, which is a Diesel AC generator with a capacity of 25kW.

1.2 Feature Description

The Generac RD025 is a 25kW AC, diesel generator is one of the generators selected as part of the T-Mobile RFP in support of the nationwide cell site hardening plan. The RD025 has a Level 2 acoustic enclosure, 3 phase sensing, and +-0.25% digital voltage regulation. It is equipped with RS232, RS485 and canbus remote ports and Evolution control panel. It is also equipped with a automatic transfer switch, the RXSC200A3 (Automatic Transfer Switch) Controls the process of transferring commercial AC power and generator power. The RXSC200A3 is a 200Amp, switch that is programmed to perform engine test runs and also has adjustable engine run time capabilities. For RXSC200A3 Owners Manual and full feature descriptions LINK.

1.3 Dimensions

The dimensions of a level 2 Acoustic Enclosure L \times W \times H in inches 103.4 \times 35 \times 91.7. T-Mobile requires a 36-inch radius around the generator that will cover the 18" door swing on the generator.



Weights and Dimensions

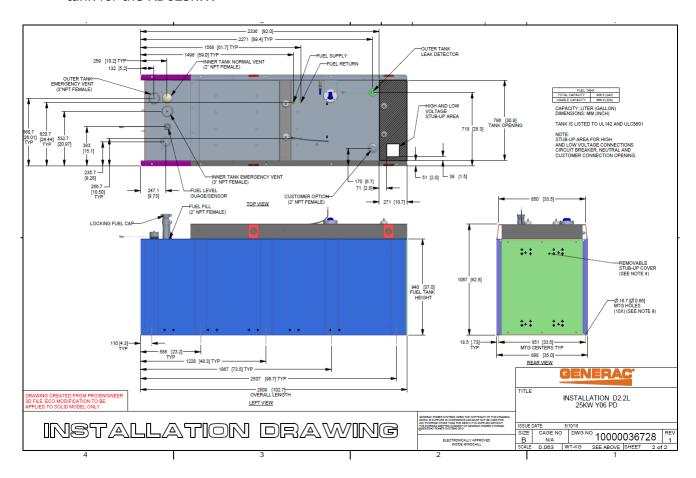
	Unit Weight - Ibs	Unit Weight with Skid - lbs	Dimensions (L x W x H) - in
ſ	2,123	2,161	103.4 x 35.0 x 73.8

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2 Fuel Tanks

The RD025 has a 102.7" 240 Gallon Double-Wall UL142 Base tank to provide 98 hours of backup power at full load deployed on site. Below is the Install drawing for the 240-gallon tank for the RD025kW.



3 RXSC200A3 ATS/ Controller

3.1 Hardware

The RD025 will come with a RXSC200A3 and an Evollution controller. The sites considered for the RD025 should not have a DC power consumption above 20kW

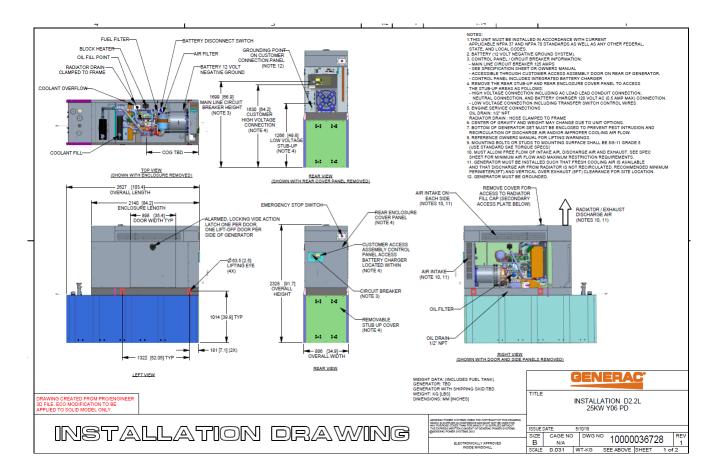


RXSC200A3 Link

RXSC200A3 install drawing Link

Evollution controller spec sheet Link

RD025 installation drawings and supporting documentation Link



3.2 RXSC200A3 Automatic Transfer Switch

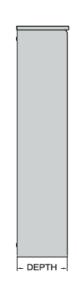
The RXSC200A3 (Automatic Transfer Switch) is equiped with the following functions. Utility voltage drop-out <65%. Timer to Generator start: 10 second factory set, adjustable between 2-1500 seconds. Engine Warm up delay: 5 seconds. Standby Voltage Sensor: 65% for 5 seconds. Utility Voltage Pickup >80%. Re-Transfer Time Delay: 15 seconds. Engine Cool-Down Timer: 60 seconds. Exerciser: 5 or 12 minute adjustable weekly/by-weekly/monthly. The transfer switch can also be operated manually without power applied

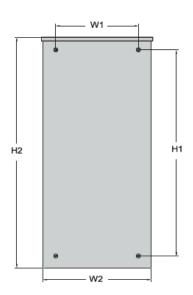
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RXSC200A3 Dimensions

Model		RXSC200A3
Height	HI	17.24/437.9
(in./mm)	H2	20/508
Width	WI	12.5/317.5
(in./mm)	W2	14.6/370.8
Depth (in./mm) Weight (lbs./kilos)		7.09/180.1
		20/9.07







4 Architecture/Alarms

4.1 Interfaces and Alarming

The generator will be monitored by external alarms, conduit and cat five cables have to be installed from the Evolution Controllers Low Voltage Box located in the Generac generator to the appropriate cell site equipment. Nokia FSEB or FSEE and in Ericsson the SAU.

At a Nokia site, this connection is at the FSEB or an FSEE module. For the wiring diagram and instructions for the FSEB click the <u>Link</u>. (The FSEE is the Nokia module that will be replacing the FSEB. For details on the FSEE contact: HQNokiaCellsiteDesigns@T-Moblie.com)

Ericsson sites will connect to the SAU module via OVP Expansion Kit for 8 External Alarms. Product number: UTOVP-ALM8EXP. For the wiring diagram and instructions for this click the link.

The RXSC200A3 has auxiliary contacts that will facilitate the *ATS in Emergency position* alarm and will be a Normally Closed contact. Below is the wiring schematic for this contact and it can be found in the RXSC200A3 owners manual.

Auxiliary Contact

See *Figure 3-4*. If desired, there is one normally-closed Auxiliary Contact (A) on the transfer switch to operate customer accessories, remote advisory lights, or remote annunciator devices. A suitable power source must be connected to the common terminal. If needed, an extra auxiliary contact can be added.

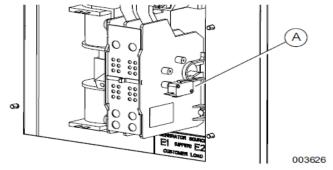


Figure 3-4. Auxiliary Contact

The auxiliary contact is normally closed when the transfer switch is in utility mode. The contacts will open when the transfer switch is in the standby power mode.

NOTE: Auxiliary Contact is rated 10 amps at 125 or 250 volts AC, and 0.6 amps at 125 volts DC.

ACAUTION

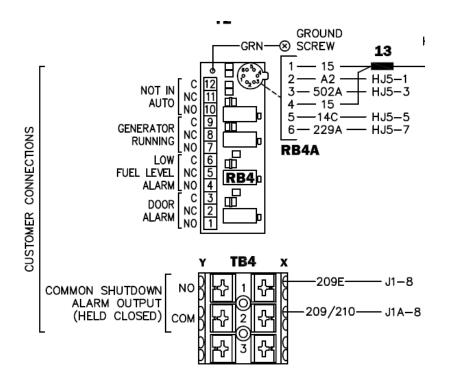
Equipment damage. Exceeding rated voltage and current will damage the auxiliary contacts. Verify that voltage and current are within specification before energizing this equipment. (000134a)

Rev. 1.0 5/14/2018



T-Mobile has four relays available from the Generac controller that are user-defined. T-Mobile can have four-alarm categories and a limitless number of subcategories. T- Mobile will utilize Normally Closed (NC) dry contacts for alarms in Low Voltage Connection box in the spare outputs section. Ericsson cabinets need to be equipped with the alarm expansion kit (UTOVP-ALM8EXP) to handle external alarms.

Customer Connections Inside the RD025



Ericsson UTOVP- ALM8EXP





Evolution Controller Customer		
Connections	Nokia FSEB Alarm Connections 13-24	T-Mobile Standard Alarms
NC#8-Gen Running	NC 4110 grd 4111 pin 13	Generator Running
NC#11-Not In Auto	NC 4110 grd 4111 pin 14	Generator Alarm Critical
NC#2-Door Alarm	NC 4110 grd 4111 pin 15	Generator Alarm NSI
NC#5-Low Fuel	NC 4110 grd 4111 pin 16	Low Fuel
RXSC200A3-Auxiliary Contacts	NC 4110 grd 4111 pin 17	ATS in Emergency Position

Evolution Controller Customer		
Connections	Ericsson Alarm 8expConnections	T-Mobile Standard Alarms
NC#8- Gen. Running	NC - A5	Generator Running
NC#11-Not In Auto	NC - A6	Generator Alarm Critical
NC#2-Door Alarm	NC - A7	Generator Alarm NSI
NC#5-Low Fuel	NC - A8	Low Fuel
RXSC200A3-Auxiliary Contacts	NC - A9	ATS in Emergency Position

5 Regulatory Requirements

Level 2 Acoustic Enclosure provides a noise level of 67.5dBA. It is EPA certified and meets NFPA 99 and 110 requirements(NFPA National Fire Protection Association). The RD025 generator engines is a tier 4 engine and meets the EPA final standards.

6 Configuration/Diagrams

The physical configuration of the Generator and the RXSC200A3 is, ATS before the PPC to ensure overcurrent protection when commercial power is restored. The RD025 and the RXSC200A3 has to be wired to Commercial AC power.

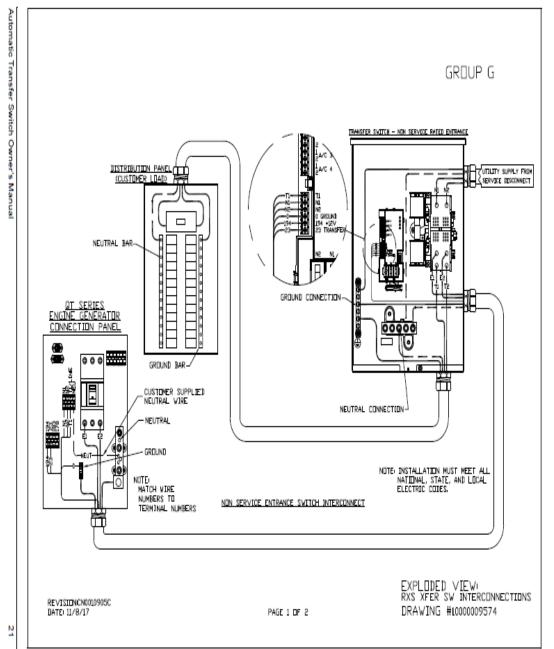
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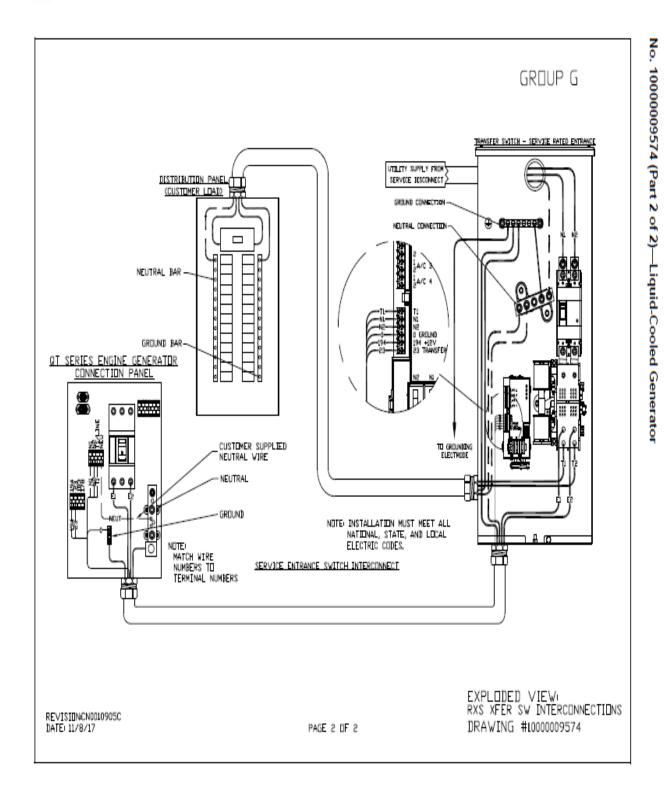
Commercial Power Connection Points On The RXSC200A3

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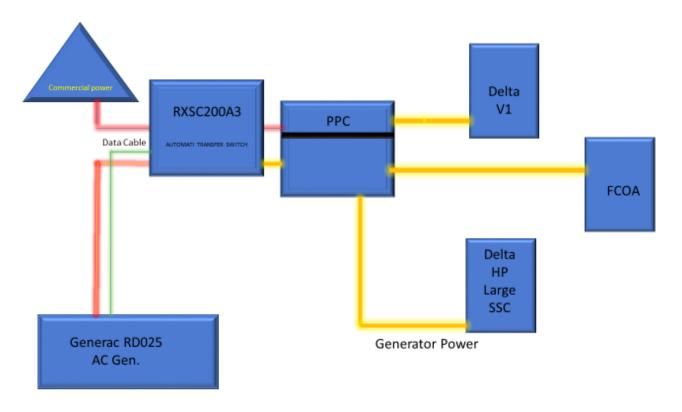




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Compound Diagram:



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7 Maintenance

T-Mobile is recommending preventive maintenance to be performed every 250 hours of runtime or every 12 months, whichever comes first.

T-Mobile requires this minimum service checklist for the generator engine:

- Check engine mounts and support. Tighten fasteners.
- Check all the engine hoses and clamps for proper fit, and any signs of cracking and fatigue from wear.
- Inspect all belts for signs of cracking and fatigue from wear and adjust for proper tension.
- Inspect the exhaust system for leaks, burns and wet stacking. Drain exhaust line and tighten any clamps and flange bolts.
- Inspect silencer and plumbing for leaks, cracks or any other signs of wear.
- Inspect the system for fuel, oil and coolant leaks and signs of corrosion.
- Replace water separator.
- Replace water filter/ conditioner.
- Check Anti-Freeze (Spector-Analysis).
- Check coolant level and add, if needed.
- Inspect radiator mounting for signs or wear and cracking.
- Inspect/ clean air filter and change per manufacturer specifications.
- Inspect air intakes and outlets and tighten clamps and brackets, if applicable.

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- Replace fuel filter.
- Inspect the carburetor fuel injection system, fuel injection pump and choke, if equipped. Adjust to manufacturers specifications.
- Change engine oil, oil filter and record the date on the filter casing.
- Check engine heater operation, if equipped.
- Check and adjust the battery charger operations, and charge rate within the manufacturer's recommended operating specifications.



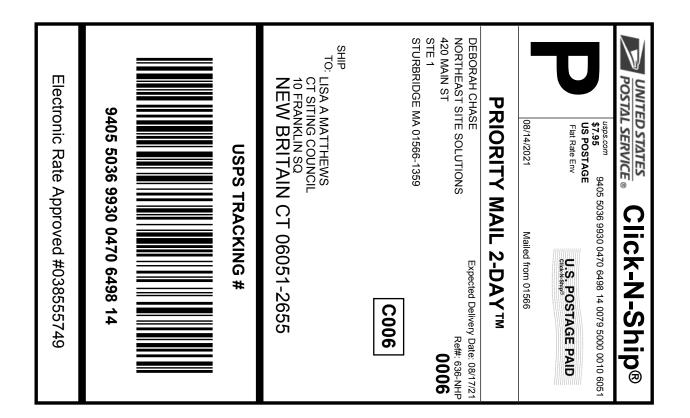
- Inspect the battery housing, hardware connections, and cables for corrosion and wear.
- Check the battery electrolyte levels and specific gravity levels.
- Load test generator battery.
- Check, adjust and record generator output voltage, as necessary.
- Check and record the alternator charge rate.
- During inspection run the generator for 30 minutes under load. During this time, and after the
 engine is at full operational speed and has reached engine operating temperature; determine
 and record the condition of all inspection points: oil pressure, water/ coolant temperature,
 Fuel pressure, generator gauge, indicator operations, generator battery.
- Check the engine timing and adjust to manufacturers specifications, if necessary.

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- Inspect, adjust and record governor and frequency, if necessary.
- Verify that the low fuel alarm is operational and configured correctly to trigger when the fuel tank reaches 50% of fuel tank capacity.

Check fuel level and refuel the generator during the preventive/ corrective maintenance visit.

Exhibit E





Instructions

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540532692 Trans. #: Print Date: 08/11/2021 Ship Date: 08/14/2021 08/17/2021 Delivery Date:

Priority Mail® Postage: Total:

\$7.95 \$7.95

Ref#: 636-NHP

From: DEBORAH CHASE

NORTHEAST SITE SOLUTIONS

420 MAIN ST

STE 1

STURBRIDGE MA 01566-1359

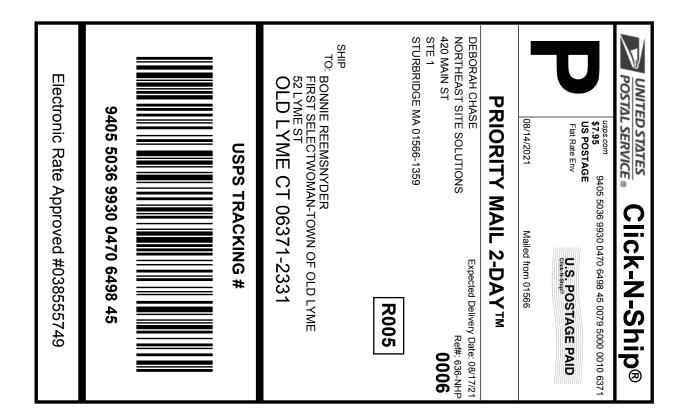
LISA A MATTHEWS

CT SITING COUNCIL 10 FRANKLIN SQ

NEW BRITAIN CT 06051-2655

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Exhibit F





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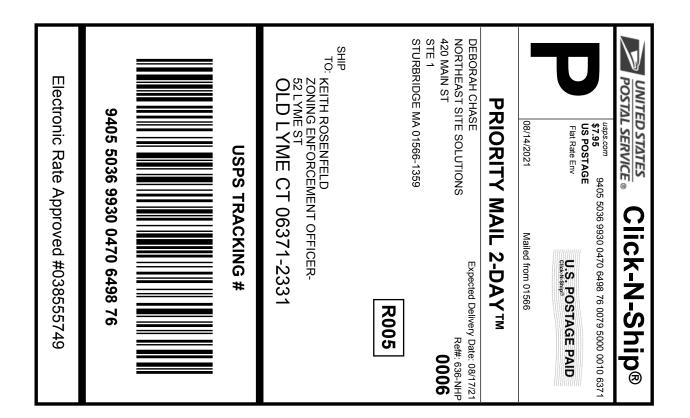
BONNIE REEMSNYDER

FIRST SELECTWOMAN-TOWN OF OLD LYME

52 LYME ST

OLD LYME CT 06371-2331

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Trans. #: 540532692
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Ship Date: 08/14/2021
Expected
Delivery Date: 08/17/2021

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Ref#: 636-NHP

From: DEBORAH CHASE

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420 MAIN ST

20 MAIN ST

STE 1

STURBRIDGE MA 01566-1359

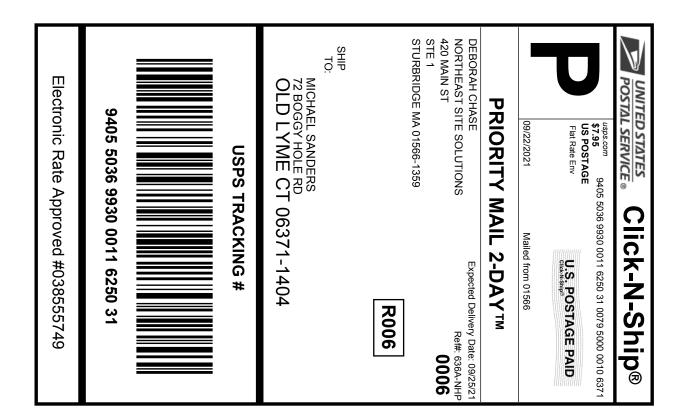
To: KEITH ROSENFELD

ZONING ENFORCEMENT OFFICER-

52 LYME ST

OLD LYME CT 06371-2331

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Priority Mail® Postage: Total:

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NORTHEAST SITE SOLUTIONS

420 MAIN ST

STE 1

STURBRIDGE MA 01566-1359

MICHAEL SANDERS 72 BOGGY HOLE RD

OLD LYME CT 06371-1404

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STURBRIDGE 316 MAIN ST STURBRIDGE, MA 01566-9998

Price

\$0.00

\$0.00

\$0.00

\$0.00

(800)275-8777 08/13/2021

Prepaid Mail 1

Old Lyme, CT 06371 Weight: 0 lb 9.00 oz

Acceptance Date: Fri 08/13/2021

Tracking #: 9405 5036 9930 0470 6499 06

Prepaid Mail 1

Old Lyme, CT 06371 Weight: O lb 9.00 oz

Acceptance Date:

Fri 08/13/2021 Tracking #:

9405 5036 9930 0470 6498 76

Prepaid Mail 1

Old Lyme, CT 06371 Weight: 0 lb 9.00 oz

Acceptance Date: Fri 08/13/2021

Tracking #: 9405 5036 9930 0470 6498 45

Prepaid Mail 1 New Britain, CT 06051

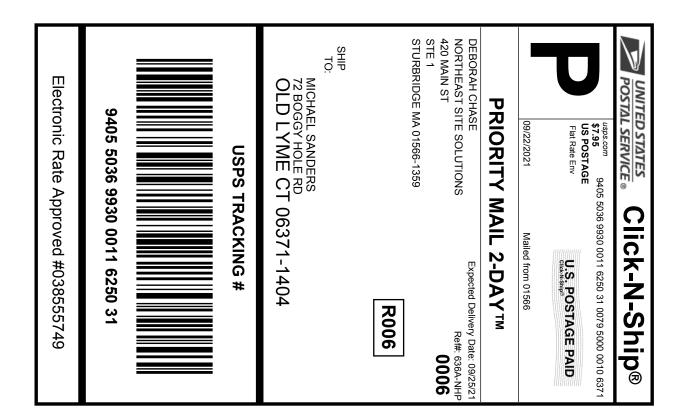
Weight: 1 lb 8.60 oz

Acceptance Date: Fri 08/13/2021

Tracking #: 9405 5036 9930 0470 6498 14

Grand Total:

\$0.00





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Ref#: 636A-NHP

From: DEBORAH CHASE

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STE 1

STURBRIDGE MA 01566-1359

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FISKDALE 458 MAIN ST FISKDALE, MA 01518-9998 (800) 275-8777

09/22/2021

03:32 PM

Price

\$0.00

Product

Qty

Unit

Price

Prepaid Mail Old Lyme, CT 06371

Weight: 0 1b 9.40 oz Acceptance Date:

Wed 09/22/2021

Tracking #: 9405 5036 9930 0011 6250 31

Grand Total:

\$0.00

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FISKDALE 458 MAIN ST FISKDALE, MA 01518-9998 (800) 275-8777

09/22/2021

03:32 PM

Price

\$0.00

Product

Qty

Unit

Price

Prepaid Mail Old Lyme, CT 06371

Weight: 0 1b 9.40 oz Acceptance Date:

Wed 09/22/2021

Tracking #: 9405 5036 9930 0011 6250 31

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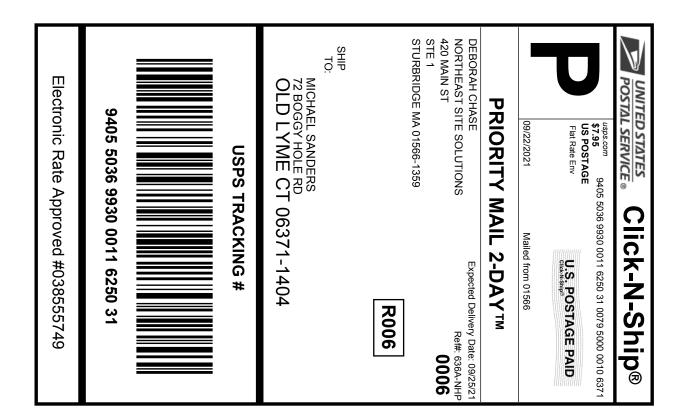


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