



10 INDUSTRIAL AVENUE,  
SUITE 3  
MAHWAH, NJ 07430  
  
PHONE: 201.684.0055  
FAX: 201.684.0066

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October 18, 2018

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

**Notice of Exempt Modification**  
**160 Deer Run Road, Wilton, CT**  
**Latitude: 41.24131944**  
**Longitude: -73.46988056**

Dear Ms. Bachman,

T-Mobile currently maintains antennas at the 120' level of the existing 120' Monopole at 160 Deer Run Road, Wilton, CT. The tower is owned by SBA and the property is owned by Westport Broadcasting Co. T-Mobile now intends to install one (1) 15kW backup generator within it's leased space in SBA's compound.

This facility was approved by Docket 03084 by the Siting Council August 31, 2006, with no record of conditions that would restrict exempt modifications. Therefore, this modification complies with the aforementioned approval.

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.C.S.A. 16-50j-73, a copy of this letter is being sent to First Selectwoman Lynne Vanderslice of Wilton, as well as the tower and property 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 modification 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 modification 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,

*Elizabeth Jamieson*

Elizabeth Jamieson  
Transcend Wireless  
10 Industrial Ave., Suite 3  
Mahwah, New Jersey 07430  
860-605-7808  
EJamieson@TranscendWireless.com

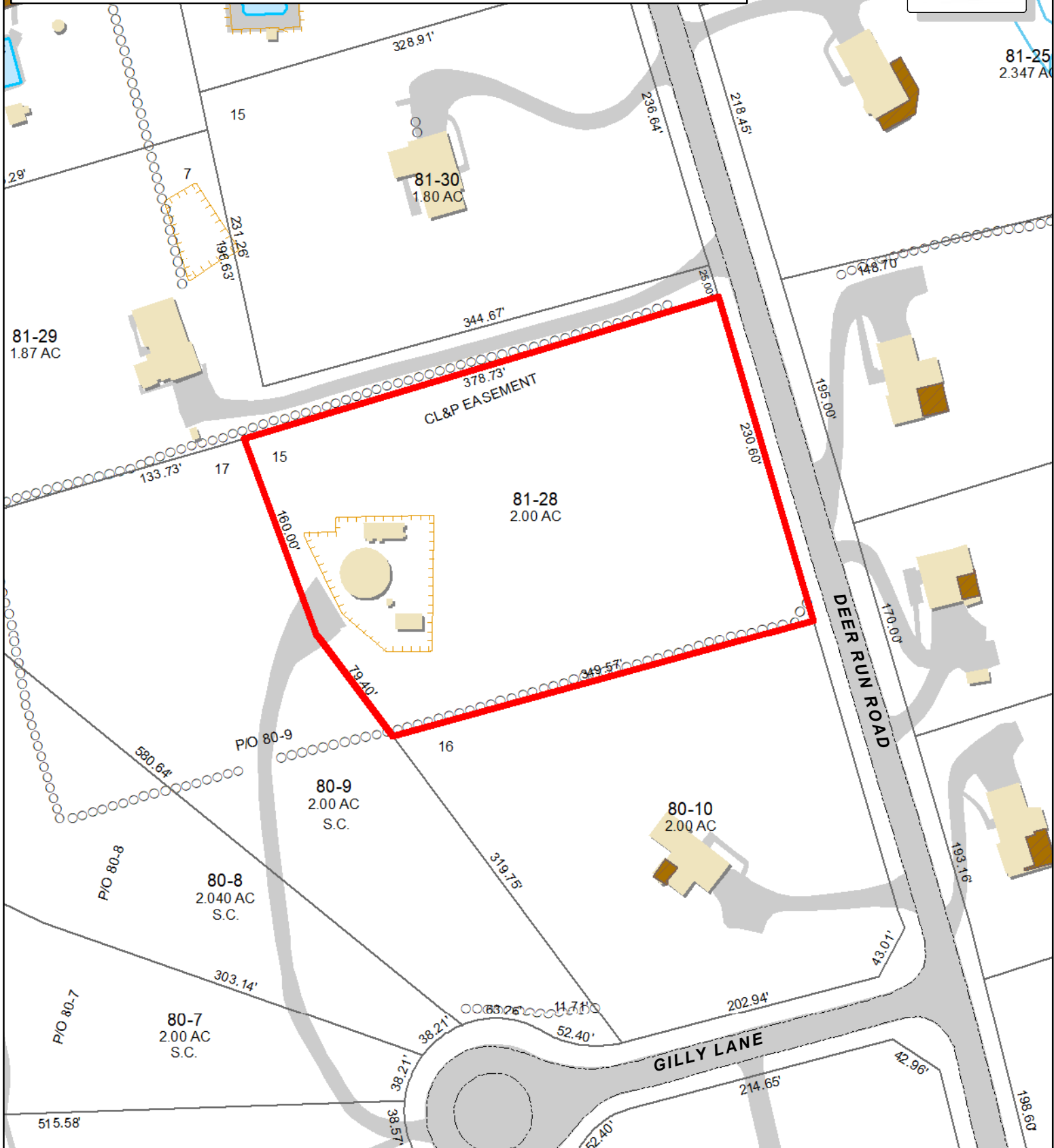
cc:

Lynne Vanderslice- as elected official  
Robert Nerney - AICP  
SBA - Tower Owner  
Westport Broadcasting Co. - Landlord

# Town of Wilton, Connecticut - Assessment Parcel Map

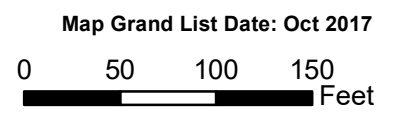
MBL: 81-28

Address: 160 DEER RUN RD



**Approximate Scale:**  
1 inch = 100 feet

**Disclaimer:**  
This map is for informational purposes only.  
All information is subject to verification by any user.  
The Town of Wilton and its mapping contractors  
assume no legal responsibility for the information contained herein.



# 160 DEER RUN RD

**Location** 160 DEER RUN RD

**Mblu** 81 / 28 /

**Acct#** 001780

**Owner** WESTPORT BROADCASTING  
CO LLC

**Assessment** \$555,100

**Appraisal** \$793,000

**PID** 4243

**Building Count** 1

## Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2017	\$286,800	\$506,200	\$793,000

Assessment			
Valuation Year	Improvements	Land	Total
2017	\$200,760	\$354,340	\$555,100

## Owner of Record

**Owner** WESTPORT BROADCASTING CO LLC  
**Co-Owner**  
**Address** PO BOX 1041  
VIRGINIA BEACH, VA 23451

**Sale Price** \$400,000  
**Certificate**  
**Book & Page** 1081/0146  
**Sale Date** 02/11/1998  
**Instrument** 00

## Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
WESTPORT BROADCASTING CO LLC	\$400,000		1081/0146	00	02/11/1998
FLAMM, DONALD	\$50,000		0177/0277	00	06/27/1972

## Building Information

### Building 1 : Section 1

**Year Built:**  
**Living Area:** 0  
**Replacement Cost:** \$0  
**Building Percent**  
**Good:**  
**Replacement Cost**  
**Less Depreciation:** \$0

### Building Attributes


Field	Description
Style	Outbuildings
Model	
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 Rooms:	
Bath Style:	
Kitchen Style:	
Elevator	
Fireplaces	
Sauna	
Spa/Jet Tub	
Whirlpool Tub	
Cath. Ceil	

### Building Photo



(<http://images.vgsi.com/photos/WiltonCTPhotos//\00\01\07\87.j>)

### Building Layout

 Building Layout

Building Sub-Areas (sq ft)	Legend
No Data for Building Sub-Areas	

### Extra Features

Extra Features	Legend
No Data for Extra Features	

### Land

#### Land Use

<b>Use Code</b>	5-1
<b>Description</b>	Vacant Res
<b>Zone</b>	R-2
<b>Neighborhood</b>	05

#### Land Line Valuation

<b>Size (Acres)</b>	2
<b>Frontage</b>	
<b>Depth</b>	
<b>Assessed Value</b>	\$354,340

**Outbuildings**

Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
SHD2	Shed Good			476 S.F.	\$6,000	1
PAT1	Patio			892 S.F.	\$4,000	1
FN3	Fence 6'			180 L.F.	\$1,800	1
CLT	CELL TOWER			1 UNITS	\$275,000	1

**Valuation History**

Appraisal			
Valuation Year	Improvements	Land	Total
2016	\$286,800	\$506,200	\$793,000
2015	\$286,800	\$506,200	\$793,000
2014	\$286,800	\$506,200	\$793,000

Assessment			
Valuation Year	Improvements	Land	Total
2016	\$200,760	\$354,340	\$555,100
2015	\$200,760	\$354,340	\$555,100
2014	\$200,760	\$354,340	\$555,100

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# WIRELESS COMMUNICATIONS FACILITY

## CT346/OPTASITE WILTON FT

### SITE ID: CT11346C

### 160 DEER RUN RD WILTON, CT 06897

#### GENERAL NOTES

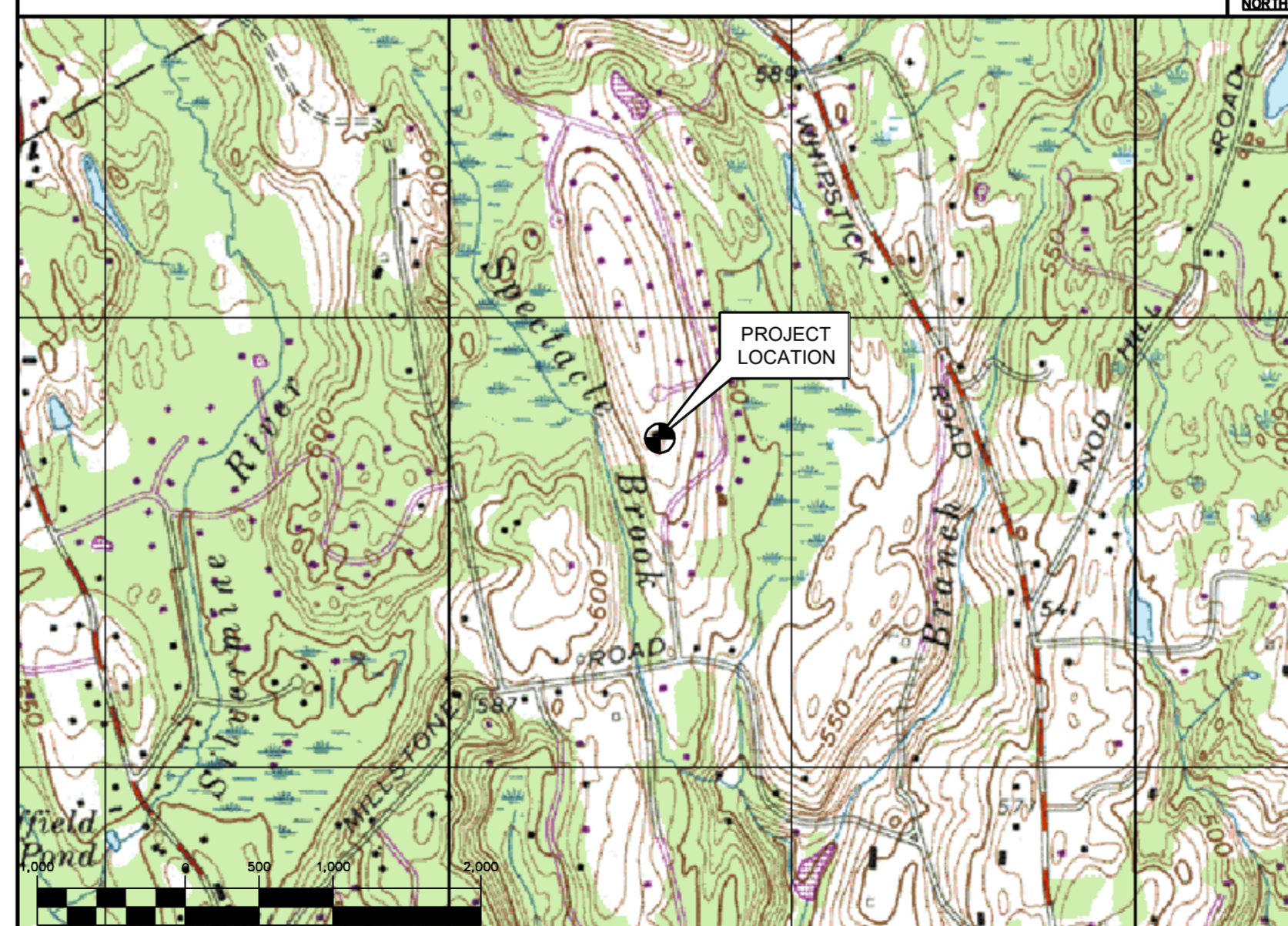
- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2016 CONNECTICUT SUPPLEMENT, INCLUDING THE TIA/EIA-222 REVISION "G" "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND SUPPORTING STRUCTURES." 2016 CONNECTICUT FIRE SAFETY CODE, NATIONAL ELECTRICAL CODE AND LOCAL CODES.
- CONTRACTOR SHALL REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENT SET. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN IN THE SET OF DRAWINGS. THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF DRAWINGS TO ALL SUBCONTRACTORS AND ALL RELATED PARTIES. THE SUBCONTRACTORS SHALL EXAMINE ALL THE DRAWINGS AND SPECIFICATIONS FOR THE INFORMATION THAT AFFECTS THEIR WORK.
- CONTRACTOR SHALL PROVIDE A COMPLETE BUILD-OUT WITH ALL FINISHES, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS AND PROVIDE ALL ITEMS AS SHOWN OR INDICATED ON THE DRAWINGS OR IN THE WRITTEN SPECIFICATIONS.
- CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT TO COMPLETE THE WORK AND FURNISH A COMPLETED JOB ALL IN ACCORDANCE WITH LOCAL AND STATE GOVERNING AUTHORITIES AND OTHER AUTHORITIES HAVING LAWFUL JURISDICTION OVER THE WORK.
- CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND ALL INSPECTIONS REQUIRED AND SHALL ALSO PAY FEES REQUIRED FOR THE GENERAL CONSTRUCTION, PLUMBING, ELECTRICAL AND HVAC. PERMITS SHALL BE PAID FOR BY THE RESPECTIVE SUBCONTRACTORS.
- CONTRACTOR SHALL MAINTAIN A CURRENT SET OF DRAWINGS AND SPECIFICATIONS ON SITE AT ALL TIMES AND INSURE DISTRIBUTION OF NEW DRAWINGS TO SUBCONTRACTORS AND OTHER RELEVANT PARTIES AS SOON AS THEY ARE MADE AVAILABLE. ALL OLD DRAWINGS SHALL BE MARKED VOID AND REMOVED FROM THE CONTRACT AREA. THE CONTRACTOR SHALL FURNISH AN "AS-BUILT" SET OF DRAWINGS TO OWNER UPON COMPLETION OF PROJECT.
- LOCATION OF EQUIPMENT, AND WORK SUPPLIED BY OTHERS THAT IS DIAGRAMMATICALLY INDICATED ON THE DRAWINGS SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL DETERMINE LOCATIONS AND DIMENSIONS SUBJECT TO STRUCTURAL CONDITIONS AND WORK OF THE SUBCONTRACTORS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE TO DETERMINE CONSTRUCTION PROCEDURE AND SEQUENCE, AND TO ENSURE THE SAFETY OF THE EXISTING STRUCTURES AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY.
- DRAWINGS INDICATE THE MINIMUM STANDARDS, BUT IF ANY WORK SHOULD BE INDICATED TO BE SUBSTANDARD TO ANY ORDINANCES, LAWS, CODES, RULES, OR REGULATIONS BEARING ON THE WORK, THE CONTRACTOR SHALL INCLUDE IN HIS WORK AND SHALL EXECUTE THE WORK CORRECTLY IN ACCORDANCE WITH SUCH ORDINANCES, LAWS, CODES, RULES OR REGULATIONS WITH NO INCREASE IN COSTS.
- ALL UTILITY WORK SHALL BE IN ACCORDANCE WITH LOCAL UTILITY COMPANY REQUIREMENTS AND SPECIFICATIONS.
- ALL EQUIPMENT AND PRODUCTS PURCHASED ARE TO BE REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUBCONTRACTORS FOR ANY CONDITION PER MFR.'S RECOMMENDATIONS. CONTRACTOR TO SUPPLY THESE ITEMS AT NO COST TO OWNER OR CONSTRUCTION MANAGER.
- ANY AND ALL ERRORS, DISCREPANCIES, AND "MISSED" ITEMS ARE TO BE BROUGHT TO THE ATTENTION OF THE T-MOBILE CONSTRUCTION MANAGER DURING THE BIDDING PROCESS BY THE CONTRACTOR. ALL THESE ITEMS ARE TO BE INCLUDED IN THE BID. NO "EXTRA" WILL BE ALLOWED FOR MISSED ITEMS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE SAFETY FROM THE TIME THE JOB IS AWARDED UNTIL ALL WORK IS COMPLETE AND ACCEPTED BY THE OWNER.
- CONTRACTOR TO REVIEW ALL SHOP DRAWINGS AND SUBMIT COPY TO ENGINEER FOR APPROVAL. DRAWINGS MUST BEAR THE CHECKER'S INITIALS BEFORE SUBMITTING TO THE CONSTRUCTION MANAGER FOR REVIEW.
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES, AND EXISTING CONDITIONS AT THE SITE, PRIOR TO FABRICATION AND/OR INSTALLATION OF ANY WORK IN THE CONTRACT AREA.
- COORDINATION, LAYOUT, FURNISHING AND INSTALLATION OF CONDUIT AND ALL APPURTENANCES REQUIRED FOR PROPER INSTALLATION OF ELECTRICAL AND TELECOMMUNICATION SERVICE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- ALL DAMAGE CAUSED TO ANY EXISTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE HELD LIABLE FOR ALL REPAIRS REQUIRED FOR EXISTING STRUCTURES IF DAMAGED DURING CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT LEAST 48 HOURS PRIOR TO ANY EXCAVATIONS AT 1-800-922-4455. ALL UTILITIES SHALL BE IDENTIFIED AND CLEARLY MARKED. CONTRACTOR SHALL MAINTAIN AND PROTECT MARKED UTILITIES THROUGHOUT PROJECT COMPLETION.
- CONTRACTOR SHALL COMPLY WITH OWNERS ENVIRONMENTAL ENGINEER ON ALL METHODS AND PROVISIONS FOR ALL EXCAVATION ACTIVITIES INCLUDING SOIL DISPOSAL. ALL BACKFILL MATERIALS TO BE PROVIDED BY THE CONTRACTOR.

#### SITE DIRECTIONS

FROM:	TO:
35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002	160 DEER RUN RD WILTON, CT 06897
1. HEAD NORTH ON GRIFFIN ROAD S. TOWARD HARTMAN RD.	0.30 MI.
2. TAKE THE 2ND RIGHT ONTO DAY HILL RD.	0.14 MI.
3. TAKE THE 1ST RIGHT ONTO BLUE HILLS AVENUE EXT/CT-187	1.89 MI.
4. TURN LEFT ONTO CT-305/OLD WINDSOR RD.	2.33 MI.
5. MERGE ONTO I-91 S TOWARD HARTFORD.	5.66 MI.
6. MERGE ONTO I-84 W VIA EXIT 32A TOWARD WATERBURY.	13.29 MI.
7. KEEP LEFT TO TAKE I-84 W TOWARD WATERBURY.	45.83 MI.
8. MERGE ONTO US-7 S VIA EXIT 3 ON THE LEFT TOWARD NORWALK.	9.01 MI.
9. TURN RIGHT ONTO BRANCHVILLE RD/CT-102.	0.28 MI.
10. TURN LEFT ONTO OLD BRANCHVILLE RD.	0.51 MI.
11. TAKE THE 1ST LEFT ONTO NOD HILL RD.	0.64 MI.
12. TAKE THE 2ND RIGHT ONTO PELHAM LN.	0.87 MI.
13. TURN LEFT ONTO WHIPSTICK RD.	0.16 MI.
14. TAKE THE 1ST RIGHT ONTO ANTLER LN.	0.25 MI.
15. TURN LEFT ONTO DEER RUN RD.	0.21 MI.
16. 160 DEER RUN RD, WILTON, CT 06897-1207, 160 DEER RUN RD IS ON THE RIGHT.	

#### VICINITY MAP

SCALE: 1" = 1000'



#### PROJECT SUMMARY

- THE PROPOSED SCOPE OF WORK CONSISTS OF A MODIFICATION TO THE EXISTING UNMANNED TELECOMMUNICATIONS FACILITY INCLUDING THE FOLLOWING:
  - INSTALL (1) NEW 25 KW DIESEL FUELED BACK-UP GENERATOR ON NEW CONC. SLAB-ON-GRADE

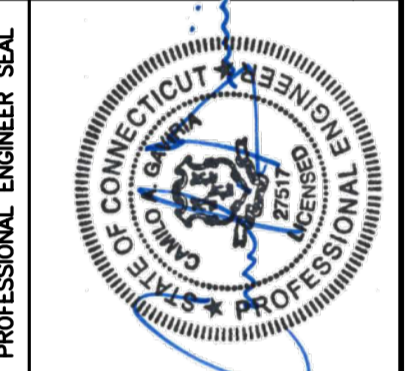
#### PROJECT INFORMATION

SITE NAME:	CT346/OPTASITE WILTON FT
SITE ID:	CT11346C
SITE ADDRESS:	160 DEER RUN RD WILTON, CT 06897
APPLICANT:	T-MOBILE NORTHEAST, LLC 35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002
CONTACT PERSON:	DAN REID (PROJECT MANAGER) TRANSCEND WIRELESS, LLC (203) 592-8291
ENGINEER:	CEN TEK ENGINEERING, INC. 63-2 NORTH BRANFORD RD. BRANFORD, CT 06405
PROJECT COORDINATES:	LATITUDE: 41°-14'-28.95" N LONGITUDE: 73°-28'-11.63" W GROUND ELEVATION: 632± AMSL
	SITE COORDINATES AND GROUND ELEVATION REFERENCED FROM GOOGLE EARTH.

#### SHEET INDEX

SHT. NO.	DESCRIPTION	REV.
T-1	TITLE SHEET	0
N-1	GENERAL NOTES AND SPECIFICATIONS	0
C-1	EQUIPMENT LAYOUT PLAN AND DETAILS	0

REV.	DATE	BY	CHK'D BY	DESCRIPTION
0	05/11/18	COZ	CAG	ISSUED FOR CONSTRUCTION
B	05/11/18	COZ	CAG	PRELIMINARY CD - ISSUED FOR CLIENT REVIEW
A	05/09/18	KAW/R	CAG	PRELIMINARY CD - ISSUED FOR CLIENT REVIEW



**CEN TEK engineering**  
 203-498-0380  
 203-498-8297  
 632 North Branford Road  
 Branford, CT 06405  
 www.CenTekEng.com

**T-MOBILE NORTHEAST LLC**  
 WIRELESS COMMUNICATIONS FACILITY  
**CT346/OPTASITE WILTON FT**  
**SITE ID: CT11346C**  
 160 DEER RUN RD  
 WILTON, CT 06897

DATE: 05/09/18  
 SCALE: AS NOTED  
 JOB NO. 18079.57

TITLE SHEET

**T-1**

**DESIGN BASIS:**

GOVERNING CODE: 2012 INTERNATIONAL BUILDING (IBC) AS MODIFIED BY THE 2016 CT STATE BUILDING CODE AND AMENDMENTS.

- DESIGN CRITERIA:
  - RISK CATEGORY: II (BASED ON IBC TABLE 1604.5)
  - ULTIMATE DESIGN WIND SPEED (OTHER STRUCTURE): 120 MPH ( $V_{ult}$ ) (EXPOSURE B/IMPORTANCE FACTOR 1.0 BASED ON ASCE 7-10) PER 2012 INTERNATIONAL BUILDING CODE (IBC) AS MODIFIED BY THE 2016 CONNECTICUT STATE BUILDING CODE.
  - SEISMIC LOAD (DOES NOT CONTROL): PER ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES.

**GENERAL NOTES:**

- ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE GOVERNING BUILDING CODE.
- DRAWINGS INDICATE THE MINIMUM STANDARDS, BUT IF ANY WORK SHOULD BE INDICATED TO BE SUBSTANDARD TO ANY ORDINANCES, LAWS, CODES, RULES, OR REGULATIONS BEARING ON THE WORK, THE CONTRACTOR SHALL INCLUDE IN HIS WORK AND SHALL EXECUTE THE WORK CORRECTLY IN ACCORDANCE WITH SUCH ORDINANCES, LAWS, CODES, RULES OR REGULATIONS WITH NO INCREASE IN COSTS.
- BEFORE BEGINNING THE WORK, THE CONTRACTOR IS RESPONSIBLE FOR MAKING SUCH INVESTIGATIONS CONCERNING PHYSICAL CONDITIONS (SURFACE AND SUBSURFACE) AT OR CONTIGUOUS TO THE SITE WHICH MAY AFFECT PERFORMANCE AND COST OF THE WORK.
- DIMENSIONS AND DETAILS SHALL BE CHECKED AGAINST EXISTING FIELD CONDITIONS.
- THE CONTRACTOR SHALL VERIFY AND COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS, SLEEVES AND ANCHOR BOLTS AS REQUIRED BY ALL TRADES.
- ALL DIMENSIONS, ELEVATIONS, AND OTHER REFERENCES TO EXISTING STRUCTURES, SURFACE, AND SUBSURFACE CONDITIONS ARE APPROXIMATE. NO GUARANTEE IS MADE FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS, ELEVATIONS, ANGLES WITH EXISTING CONDITIONS AND WITH ARCHITECTURAL AND SITE DRAWINGS BEFORE PROCEEDING WITH ANY WORK.
- AS THE WORK PROGRESSES, THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY CONDITIONS WHICH ARE IN CONFLICT OR OTHERWISE NOT CONSISTENT WITH THE CONSTRUCTION DOCUMENTS AND SHALL NOT PROCEED WITH SUCH WORK UNTIL THE CONFLICT IS SATISFACTORILY RESOLVED.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING AND MAINTAINING ADEQUATE SHORINGS, BRACING, AND BARRICADES AS MAY BE REQUIRED FOR THE PROTECTION OF EXISTING PROPERTY, CONSTRUCTION WORKERS, AND FOR PUBLIC SAFETY.
- THE CONTRACTOR IS SOLELY RESPONSIBLE TO DETERMINE CONSTRUCTION PROCEDURE AND SEQUENCE, AND TO ENSURE THE SAFETY OF THE EXISTING STRUCTURES AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY. MAINTAIN EXISTING SITE OPERATIONS, COORDINATE WORK WITH NORTHEAST UTILITIES
- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER FOUNDATION REMEDIATION WORK IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO ENSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, TEMPORARY BRACING, GUYS OR TIEDOWNS, WHICH MIGHT BE NECESSARY.
- ALL DAMAGE CAUSED TO ANY EXISTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE HELD LIABLE FOR ALL REPAIRS REQUIRED FOR EXISTING STRUCTURES IF DAMAGED DURING CONSTRUCTION ACTIVITIES.
- SHOP DRAWINGS, CONCRETE MIX DESIGNS, TEST REPORTS, AND OTHER SUBMITTALS PERTAINING TO STRUCTURAL WORK SHALL BE FORWARDED TO THE OWNER FOR REVIEW BEFORE FABRICATION AND/OR INSTALLATION IS MADE. SHOP DRAWINGS SHALL INCLUDE ERECTION DRAWINGS AND COMPLETE DETAILS OF CONNECTIONS AS WELL AS MANUFACTURER'S SPECIFICATION DATA WHERE APPROPRIATE. SHOP DRAWINGS SHALL BE CHECKED BY THE CONTRACTOR AND BEAR THE CHECKER'S INITIALS BEFORE BEING SUBMITTED FOR REVIEW.
- NO DRILLING WELDING OR TAPING ON EVERSOURCE OWNED EQUIPMENT.
- REFER TO DRAWING T1 FOR ADDITIONAL NOTES AND REQUIREMENTS.

**ELECTRICAL SPECIFICATIONS**

**SECTION 16010**

- SCOPE OF WORK
  - WORK SHALL INCLUDE ALL LABOR, EQUIPMENT AND SERVICES REQUIRED TO COMPLETE (MAKE READY FOR OPERATION) ALL THE ELECTRICAL WORK INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
    - GENERATOR.
    - GROUNDING SYSTEMS.
- GENERAL REQUIREMENTS
  - THE ENTIRE ELECTRICAL INSTALLATION SHALL BE MADE IN STRICT ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES AND REGULATIONS WHICH MAY APPLY AND NOTHING IN THE DRAWINGS OR SPECIFICATIONS SHALL BE INTERPRETED AS AN INFRINGEMENT OF SUCH CODES OR REGULATIONS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND PAY ALL FEES THAT MAY BE REQUIRED FOR THE ELECTRICAL WORK AND FOR SCHEDULING OF ALL INSPECTIONS THAT MAY BE REQUIRED BY THE LOCAL AUTHORITY.
  - NO MATERIAL OTHER THAN THAT CONTAINED IN THE "LATEST LIST OF ELECTRICAL FITTINGS" APPROVED BY THE UNDERWRITERS' LABORATORIES, SHALL BE USED IN ANY PART OF THE WORK. ALL MATERIAL FOR WHICH LABEL SERVICE HAS BEEN ESTABLISHED SHALL BEAR THE U.L. LABEL.
  - THE CONTRACTOR SHALL GUARANTEE ALL NEW WORK FOR A PERIOD OF ONE YEAR FROM THE ACCEPTANCE DATE BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WARRANTIES FROM ALL EQUIPMENT MANUFACTURERS FOR SUBMISSION TO THE OWNER.
  - DRAWINGS INDICATE GENERAL ARRANGEMENT OF WORK INCLUDED IN CONTRACT. CONTRACTOR SHALL, WITHOUT EXTRA CHARGE, MAKE MODIFICATIONS TO THE LAYOUT OF THE WORK TO PREVENT CONFLICT WITH WORK OF OTHER TRADES AND FOR THE PROPER INSTALLATION OF WORK. CHECK ALL DRAWINGS AND VISIT JOB SITE TO VERIFY SPACE AND TYPE OF EXISTING CONDITIONS IN WHICH WORK WILL BE DONE, PRIOR TO SUBMITTAL OF BID.
  - ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER AND WILL BE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE.
  - ALL EQUIPMENT AND MATERIALS TO BE INSTALLED SHALL BE NEW, UNLESS OTHERWISE NOTED.
  - ENTIRE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH OWNER'S SPECIFICATIONS, AND REQUIREMENTS OF ALL LOCAL AUTHORITIES HAVING JURISDICTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH APPROPRIATE INDIVIDUALS TO OBTAIN ALL SUCH SPECIFICATIONS AND REQUIREMENTS. NOTHING CONTAINED IN, OR OMITTED FROM, THESE DOCUMENTS SHALL RELIEVE CONTRACTOR FROM THIS OBLIGATION.

**SECTION 16111**

- CONDUIT
  - MINIMUM CONDUIT SIZE FOR BRANCH CIRCUITS, LOW VOLTAGE CONTROL AND ALARM CIRCUITS SHALL BE 3/4". ALL CONDUIT RUNS LOCATED WITHIN THE OWNER'S EQUIPMENT ROOM SHALL ORIGINATE FROM THE WIREWAY AND RUN VERTICALLY TO ITS DESTINATION. NO BENDS WILL BE ACCEPTED. CONDUITS SHALL BE PROPERLY FASTENED TO THE WALLS AND CEILINGS AS REQUIRED BY THE N.E.C.

CONDUIT MATERIAL SHALL BE AS FOLLOWS:

  - ELECTRIC METALLIC TUBING (EMT) – BRANCH CIRCUITS INSIDE WIRELESS ROOM
  - GALVANIZED RIGID CONDUIT (GRC) – FEEDERS AND CIRCUITS EXPOSED TO EXTERIOR & UNDERGROUND.
  - LIQUID TIGHT FLEXIBLE METAL CONDUIT – FOR SHORT LENGTHS (MAX. 3'-0") WIRING TO VIBRATING EQUIPMENT (HVAC UNITS, MOTORS, ETC.) IN WET LOCATIONS.
  - FLEXIBLE METAL CONDUIT – FOR SHORT LENGTHS (MAX. 3'-0") WIRING TO VIBRATING EQUIPMENT IN DRY LOCATIONS.
  - PVC CONDUIT – WHERE SHOWN ON GROUNDING DETAILS.

**SECTION 16123**

- CONDUCTORS
  - ALL CONDUCTORS SHALL BE TYPE THWN (INT. APPLICATION) AND XHHW (EXT. APPLICATION), 75 DEGREE C, 600 VOLT INSULATION, SOFT ANNEALED STRANDED COPPER. #10 AWG AND SMALLER SHALL BE SPLICED USING ACCEPTABLE SOLDERLESS PRESSURE CONNECTORS. #8 AWG AND LARGER SHALL BE SPLICED USING COMPRESSION SPLIT-BOLT TYPE CONNECTORS. #12 AWG SHALL BE THE MINIMUM SIZE CONDUCTOR FOR LINE VOLTAGE BRANCH CIRCUITS. REFER TO PANEL SCHEDULE FOR BRANCH CIRCUIT CONDUCTOR SIZE(S). CONDUCTORS SHALL BE COLOR CODED FOR CONSISTENT PHASE IDENTIFICATION:
 

LINE	120/208/240V	277/480V
A	BLACK	BROWN
B	RED	ORANGE
C	BLUE	YELLOW
N	CONTINUOUS WHITE	GREY
G	CONTINUOUS GREEN	GREEN WITH YELLOW STRIPE
  - MINIMUM BENDING RADIUS FOR CONDUCTORS SHALL BE 12 TIMES THE LARGEST DIAMETER OF BRANCH CIRCUIT CONDUCTOR.

**SECTION 16450**

- GROUNDING
  - ALL NON-CURRENT CARRYING PARTS OF THE ELECTRICAL AND TELEPHONE CONDUIT SYSTEMS SHALL BE MECHANICALLY AND ELECTRICALLY CONNECTED TO PROVIDE AN INDEPENDENT RETURN PATH TO THE EQUIPMENT GROUNDING SOURCES.
  - GROUNDING SYSTEM WILL BE IN ACCORDANCE WITH THE LATEST ACCEPTABLE EDITION OF THE NATIONAL ELECTRICAL CODE AND REQUIREMENTS PER LOCAL INSPECTOR HAVING JURISDICTION.
  - EQUIPMENT GROUNDING CONDUCTOR:
    - EACH EQUIPMENT GROUND CONDUCTOR SHALL BE SIZED IN ACCORDANCE WITH THE N.E.C. ARTICLE 250-122.
    - THE MINIMUM SIZE OF EQUIPMENT GROUND CONDUCTOR SHALL BE #12 AWG COPPER.
  - CELLULAR GROUNDING SYSTEM:
 

CONTRACTOR SHALL PROVIDE A CELLULAR GROUNDING SYSTEM WITH THE MAXIMUM AC RESISTANCE TO GROUND OF 5 OHM BETWEEN ANY POINT ON THE GROUNDING SYSTEM AS MEASURED BY 3-POINT GROUNDING TEST. (REFER TO SECTION 16960).

PROVIDE THE CELLULAR GROUNDING SYSTEM AS SPECIFIED ON DRAWINGS, INCLUDING, BUT NOT LIMITED TO:

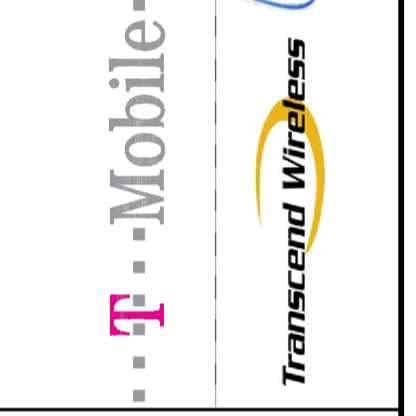
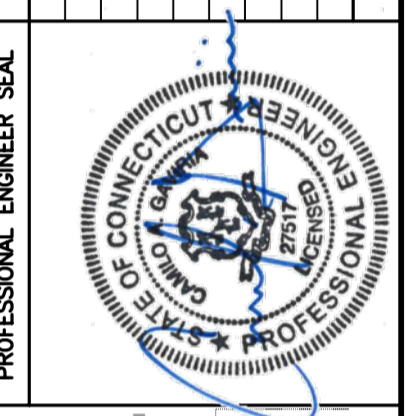
    - GROUND BARS
    - INTERIOR GROUND RING
    - EXTERIOR GROUNDING (WHERE REQUIRED DUE TO MEASURED AC RESISTANCE GREATER THAN SPECIFIED).
    - ANTENNA GROUND CONNECTIONS AND PLATES.
  - CONTRACTOR, AFTER COMPLETION OF THE COMPLETE GROUNDING SYSTEM BUT PRIOR TO CONCEALMENT/BURIAL OF SAME, SHALL NOTIFY OWNER'S WIRELESS PROJECT ENGINEER WHO WILL HAVE A DESIGN ENGINEER VISIT SITE AND MAKE A VISUAL INSPECTION OF THE GROUNDING GRID AND CONNECTIONS OF THE SYSTEM.
  - ALL EQUIPMENT SHALL BE BONDED TO GROUND AS REQUIRED BY N.E.C., MFG. SPECIFICATIONS, AND OWNER'S SPECIFICATIONS.

**SECTION 16620**

(SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR)

- GENERATOR SET
  - REFER TO CONTRACT DRAWINGS FOR DETAILS AND SCHEDULES.

ISSUED FOR CONSTRUCTION	CAG	05/11/18
ISSUED FOR CLIENT REVIEW	CAG	05/11/18
PRELIMINARY CD - ISSUED FOR CLIENT REVIEW	CAG	05/11/18
PRELIMINARY CD - ISSUED FOR CLIENT REVIEW	CAG	05/09/18
DESCRIPTION	CHK'D BY	DATE



**CEN TEK** engineering  
 Centek on Solutions  
 (203) 488-0380  
 (203) 488-3337 Fax  
 622 North Branford Road  
 Branford, CT 06405  
 www.CentekEng.com

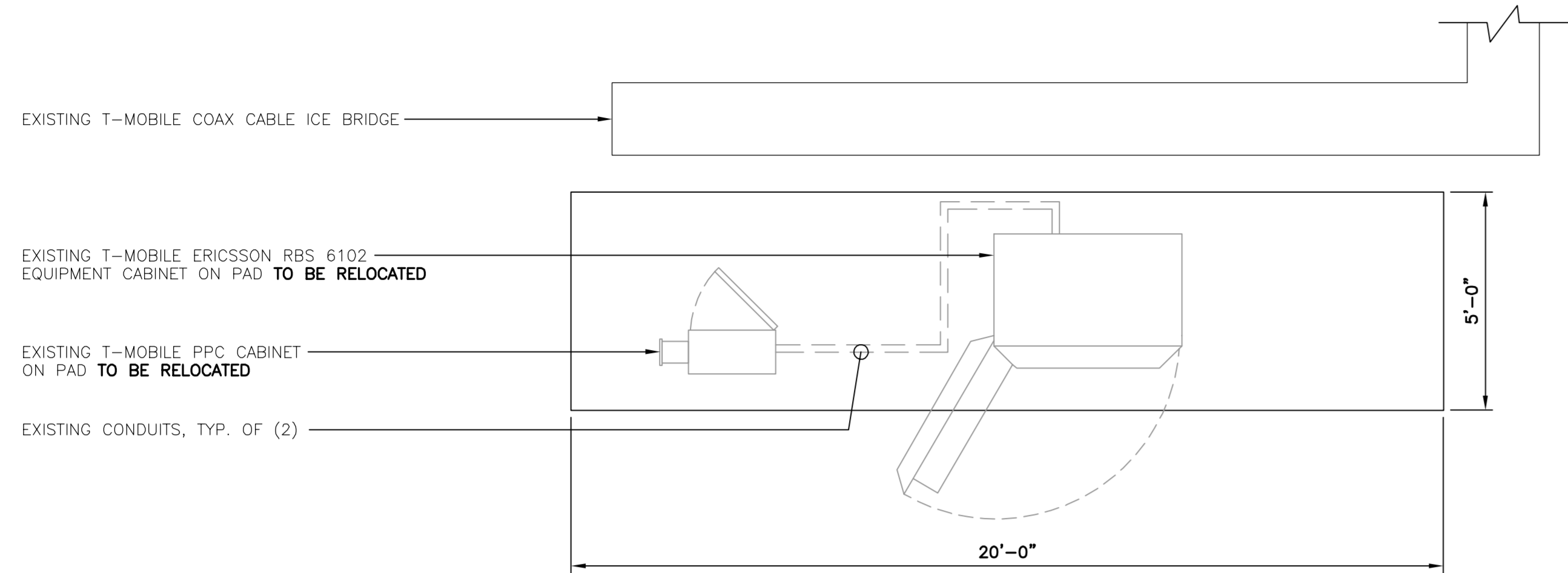
**T-MOBILE NORTHEAST LLC**  
 WIRELESS COMMUNICATIONS FACILITY  
**CT346/OPTASITE WILTON FT**  
**SITE ID: CT11346C**  
 160 DEER RUN RD  
 WILTON, CT 06897

DATE: 05/09/18  
 SCALE: AS NOTED  
 JOB NO. 18079.57

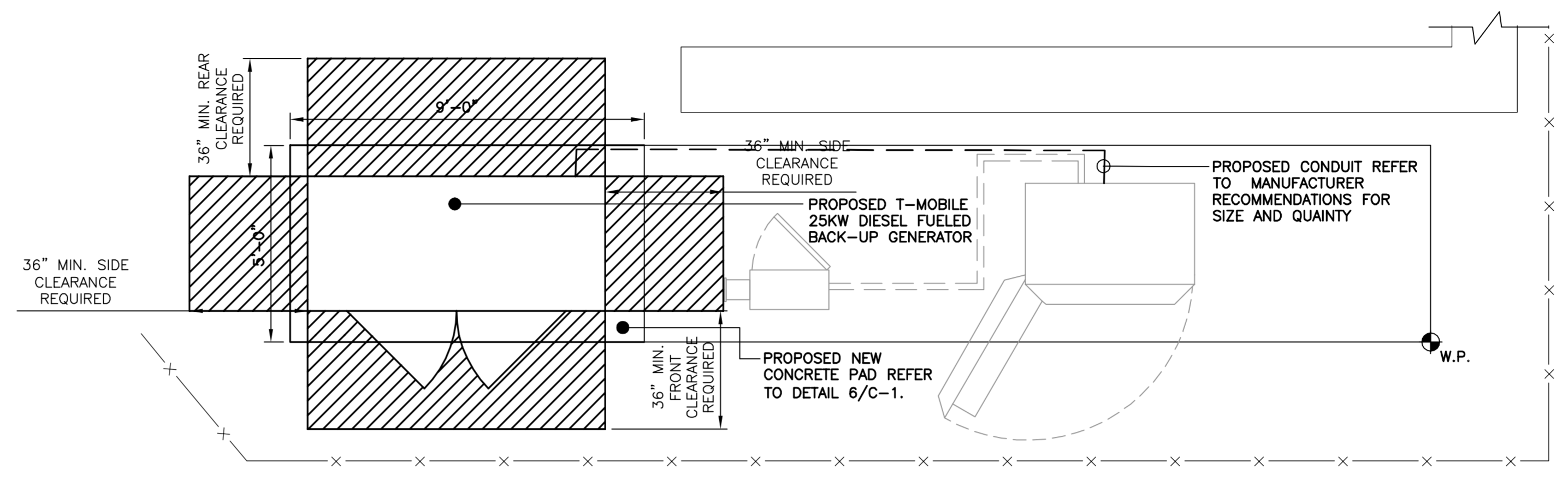
DESIGN BASIS  
 AND SITE NOTES

**N-1**  
 Sheet No. 2 of 3

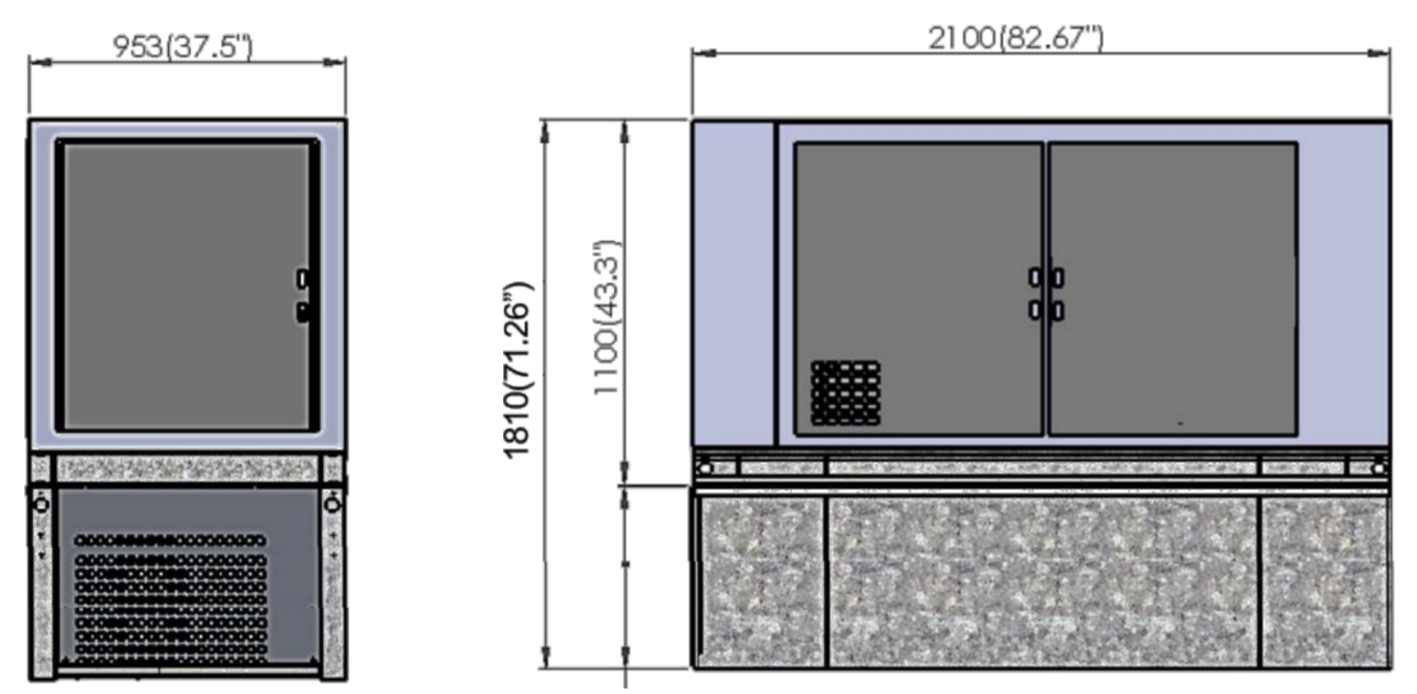




**1 EXISTING EQUIPMENT PLAN**  
 C-1 SCALE: 3/8" = 1'  
 APPROXIMATE NORTH



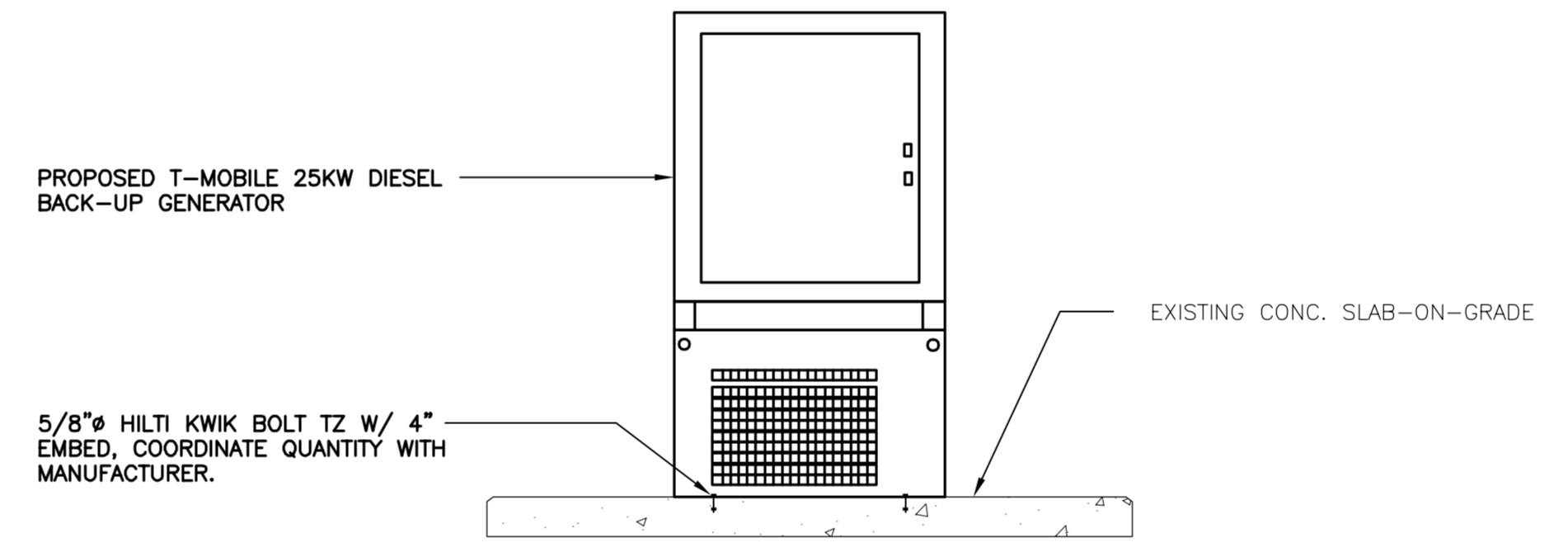
**2 PROPOSED EQUIPMENT PLAN**  
 C-1 SCALE: 3/8" = 1'  
 APPROXIMATE NORTH



BACKUP POWER GENERATOR		
EQUIPMENT	DIMENSIONS	
MAKE: DELTA	83.0"L x 38.0"W x 71.0"H	
MODEL: 25 KW DIESEL		

NOTES:  
 1. CONTRACTOR TO COORDINATE FINAL EQUIPMENT MODEL SELECTION WITH T-MOBILE CONSTRUCTION MANAGER PRIOR TO ORDERING.

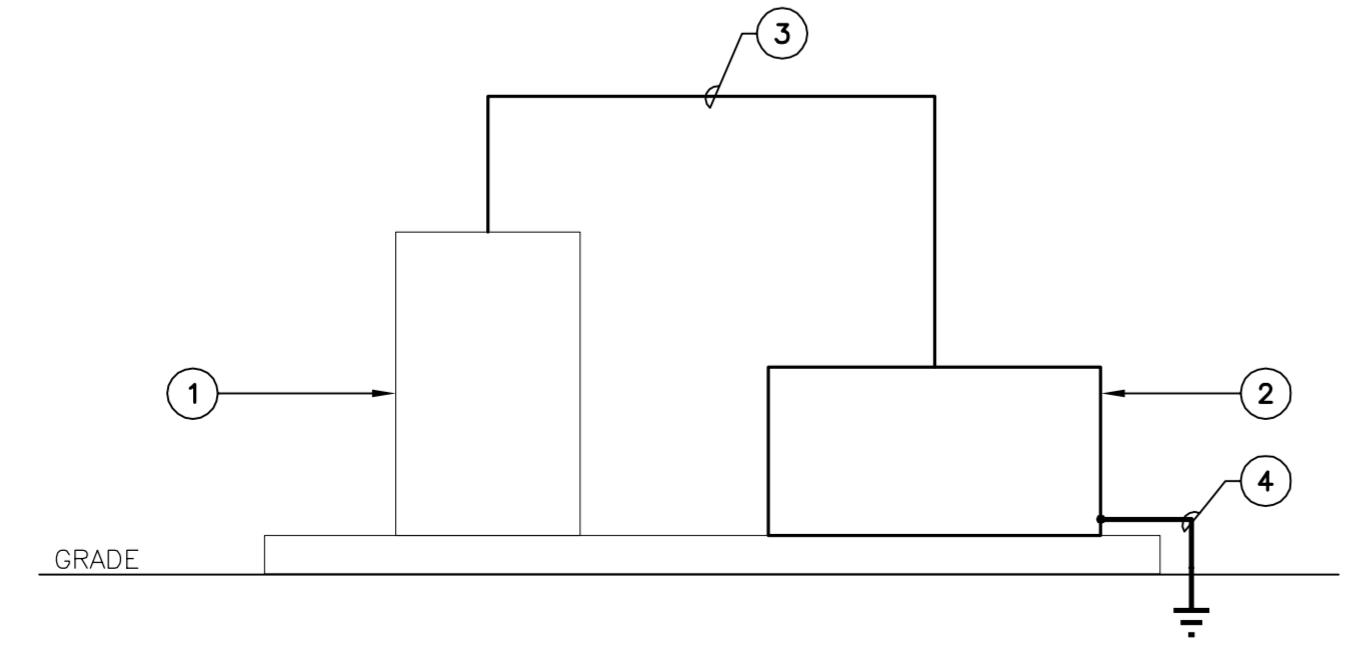
**3 BACK-UP GENERATOR DETAIL**  
 C-1 NOT TO SCALE



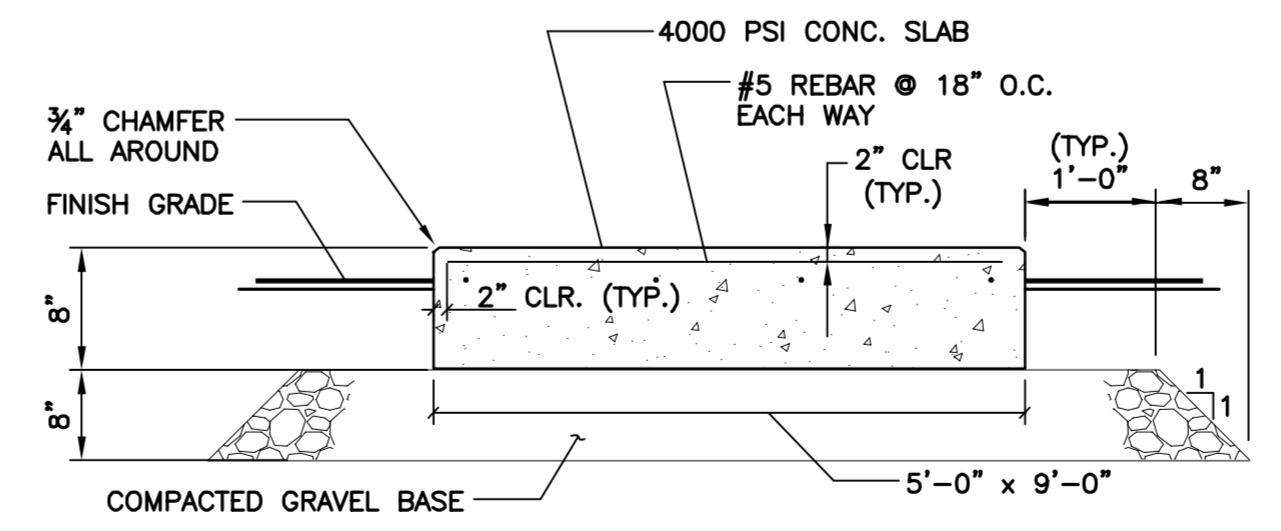
**4 EQUIPMENT FASTENING DETAIL**  
 C-1 SCALE: 1/2" = 1'-0"

**RISER DIAGRAM NOTES**

- EXISTING WIRELESS CARRIER'S EQUIPMENT CABINET.
- NEW DC BACKUP GENERATOR.
- GENERATOR OUTPUT CONDUITS AND CONDUCTORS PER MANUFACTURERS SPECIFICATIONS.
- GENERATOR GROUND SIZED PER NEC AND MANUFACTURERS SPECIFICATIONS BONDED TO EXISTING GROUNDING SYSTEM.

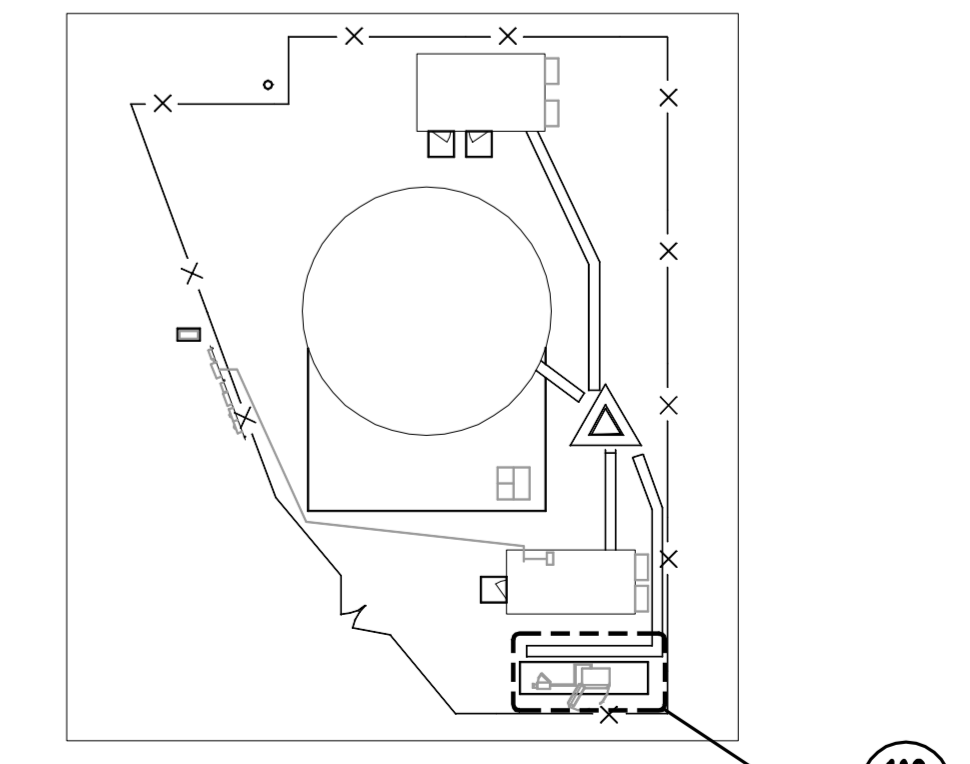


**5 ELECTRICAL POWER RISER DIAGRAM**  
 C-1 NOT TO SCALE



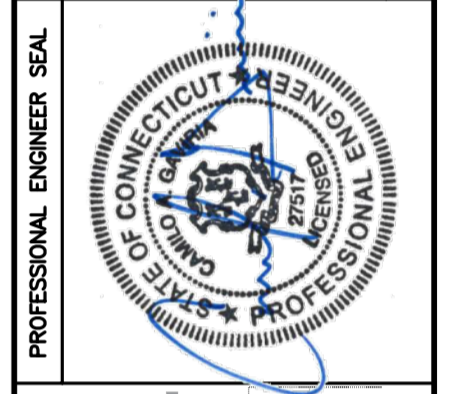
**6 TYPICAL CONCRETE PAD DETAIL**  
 C-1 NOT TO SCALE

**LEGEND**  
 W.P. DENOTES WORKING POINT.



**SITE KEY PLAN**  
 SCALE: 1" = 30'  
 APPROXIMATE NORTH

REV.	DATE	BY	CHK'D BY	DESCRIPTION
0	05/11/18	COZ		ISSUED FOR CONSTRUCTION
B	05/11/18	COZ		PRELIMINARY CH - ISSUED FOR CLIENT REVIEW
A	05/09/18	KAW/R		PRELIMINARY CH - ISSUED FOR CLIENT REVIEW



**CENTEK engineering**  
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 (203) 498-0390  
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 632 North Branford Road  
 Branford, CT 06405  
 www.CentekEng.com

**T-MOBILE NORTHEAST LLC**  
 WIRELESS COMMUNICATIONS FACILITY  
**CT346/OPTASITE WILTON FT**  
**SITE ID: CT11346C**  
 160 DEER RUN RD  
 WILTON, CT 06897

DATE: 05/09/18  
 SCALE: AS NOTED  
 JOB NO. 18079.57

**EQUIPMENT PLAN AND DETAILS**  
**C-1**  
 Sheet No. 3 of 3

# Proof of Delivery

Dear Customer,

This notice serves as proof of delivery for the shipment listed below.

**Tracking Number**

1ZV257420190528553

**Weight**

1.00 LBS

**Service**

UPS Next Day Air®

**Shipped / Billed On**

10/18/2018

**Delivered On**

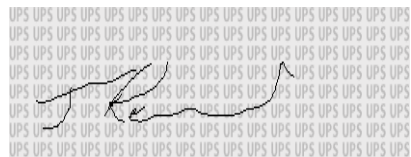
10/19/2018 10:04 A.M.

**Delivered To**

238 DANBURY RD  
WILTON, CT, 06897, US

**Received By**

JACKIE



**Left At**

Office

**Reference Number(s)**

1ST SEL, CT11346C, CT11346C, 1ST SEL

Thank you for giving us this opportunity to serve you. Details are only available for shipments delivered within the last 120 days. Please print for your records if you require this information after 120 days.

Sincerely,

UPS

Tracking results provided by UPS: 10/22/2018 1:11 P.M. EST

# Proof of Delivery

Dear Customer,

This notice serves as proof of delivery for the shipment listed below.

**Tracking Number**

1ZV257420192618587

**Weight**

1.00 LBS

**Service**

UPS Next Day Air®

**Shipped / Billed On**

10/18/2018

**Delivered On**

10/19/2018 10:06 A.M.


**Delivered To**

238 DANBURY RD  
WILTON, CT, 06897, US

**Received By**

RUSSO

UPS UPS UPS UPS UPS UPS UPS UPS UPS UPS UPS UPS UPS UPS UPS UPS  
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**Left At**

Office

**Reference Number(s)**

PLANNER, CT11346C, CT11346C, PLANNER

Thank you for giving us this opportunity to serve you. Details are only available for shipments delivered within the last 120 days. Please print for your records if you require this information after 120 days.

Sincerely,

UPS

Tracking results provided by UPS: 10/22/2018 1:12 P.M. EST

# Proof of Delivery

Dear Customer,

This notice serves as proof of delivery for the shipment listed below.

**Tracking Number**

1ZV257420190056590

**Weight**

1.00 LBS

**Service**

UPS Next Day Air®

**Shipped / Billed On**

10/18/2018

**Delivered On**

10/19/2018 9:58 A.M.

**Delivered To**

8051 CONGRESS AVE  
BOCA RATON, FL, 33487, US

**Received By**

WHALEY

**Left At**

Office

**Reference Number(s)**

SBA, CT11346, CT11346, SBA

Thank you for giving us this opportunity to serve you. Details are only available for shipments delivered within the last 120 days. Please print for your records if you require this information after 120 days.

Sincerely,

UPS

Tracking results provided by UPS: 10/22/2018 1:14 P.M. EST

THOMASTON  
150 MAIN ST  
THOMASTON  
CT

05787-9998  
0881600787

10/22/2018 (800)275-8777 2:39 PM

Product Description Sale Qty Final Price

First-Class Mail 1 \$1.42

Large Envelope (Domestic)  
(VIRGINIA BEACH, VA 23451)  
(Weight:0 Lb 2.10 Oz)  
(Estimated Delivery Date)  
(Thursday 10/25/2018)

Certified 1 \$3.45  
(@USPS Certified Mail #)

(70162710000113962831)

Return Receipt 1 \$2.75  
(@USPS Return Receipt #)

(9590940220676132395226)

Total \$7.62

Debit Card Remit'd \$7.62

(Card Name:VISA)  
(Account #:XXXXXXXXXXXX7832)  
(Approval #:  
(Transaction #:411)  
(Receipt #:012488)  
(Debit Card Purchase:\$7.62)  
(Cash Back:\$0.00)  
(AID:A0000000980840 Chip)  
(AL:US DEBIT)  
(PIN:Verified)

Text your tracking number to 28777 (2USPS) to get the latest status. Standard Message and Data rates may apply. You may also visit www.usps.com USPS Tracking or call 1-800-222-1811.

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YOUR OPINION COUNTS

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Domestic Mail Only

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VIRGINIA BEACH, VA 23451

**OFFICIAL USE**

Certified Mail Fee \$3.45

Extra Services & Fees (check box, add fee if appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$1.42

Total Postage and Fees \$7.62

Sent To: *Westport Broadcasting Co*  
Street and Apt. No., or PO Box No. *PO Box 1041*  
City, State, ZIP+4 *Virginia Beach VA 23451*

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

THOMASTON 0787  
6  
10/22/2018  
USPS

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature *[Signature]*  Agent  Addressee

B. Received by (Printed Name) *CAF* C. Date of Delivery *10/25/18*

D. Is delivery address different from item 1?  Yes  No  
If YES, enter delivery address below:

3. Service Type

<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®
<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail™
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Registered Mail Restricted Delivery
<input type="checkbox"/> Insured Mail	<input type="checkbox"/> Return Receipt for Merchandise
<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Signature Confirmation™
<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Signature Confirmation Restricted Delivery

Article Number (Transfer from service label)  
**7016 2710 0001 1396 2831**

PS Form 3811, July 2015 PSN 7530-02-000-9053

westport Broadcasting Co  
PO Box 1041  
Virginia Beach VA 23451

9590 9402 2067 6132 3952 26