



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

July 27, 2022

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

RE: Notice of Exempt Modification  
189 Boston Post Road, Old Lyme, CT 06371  
Latitude: 41.34900  
Longitude: -72.295400  
T-Mobile Site#: CTNL226A \_NHP

Dear Ms. Bachman:

T-Mobile currently maintains three (3) antennas at the 111-foot mount on the existing 135-foot monopole tower located at 189 Boston Post Road in Old Lyme. The property is owned by the Town of Old Lyme and tower is owned by Crown Castle. T-Mobile now intends to add a 48Kw generator on a new 9'x4' concrete pad within the existing compound.

Planned Modifications:

Ground work only-Install New:

- (1) GENERAC RD 48KW AC DIESEL GENERATOR – 233-gallon double walled self-contained tank with fuel sensor. Requires two (2) 12-minute run cycles bi-weekly.
- (1) 9'x4' concrete pad



The facility was approved by the Town of Old Lyme on May 24th, 2001. 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.C.S.A. § 16-50j-73, a copy of this letter is being sent to Timothy C. Griswold, First Selectman, and Dan Bourret, Land Use Coordinator. A copy is also being sent to the tower owner 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 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 Massee  
Mobile: 860-306-2326  
Fax: 413-521-0558  
Office: 420 Main Street, Unit 2, Sturbridge MA 01566  
Email: [victoria@northeastsitesolutions.com](mailto:victoria@northeastsitesolutions.com)



Attachments cc:

Timothy C. Griswold, First Selectman - as the property owner  
Town of Old Lyme  
52 Lyme Street  
Old Lyme, CT 06371

Dan Bourret, Land Use Coordinator  
Town of Old Lyme  
52 Lyme Street  
Old Lyme, CT 06371

Crown Castle - as the tower owner

# Exhibit A

Application Fee: \$10

Please see directions on  
reverse

# TOWN OF OLD LYME

## Zoning Compliance Permit Application

Permit No. 01-161 Fee Paid: \$10

5/24/01

Property Owner of Record: Town of Old Lyme

Property Address: 189 Boston Post Road

Mailing Address: 52 Lyme Street  
number street

map: 63 lot: 123 zone: \_\_\_\_\_  
town: Old Lyme CT zip: 06371

Builder: Sprint PCS - Contractor TBD

Mailing Address: 1 International Blvd Suite 800 Mahwah  
number street town: NJ zip: 07495

Existing Status: 90' wooden communications pole

seasonal  year round  dimensions: \_\_\_\_\_ height: 90' ft. lot size: appx. 1 1/2 acres sq.ft./acres road width: \_\_\_\_\_

total footprint area: 1125 sq. ft. 1st floor area: \_\_\_\_\_ sq. ft. 2nd floor area: \_\_\_\_\_ sq. ft. number of bedrooms: \_\_\_\_\_

Proposal: 110' monopole replacement

seasonal  year round  dimensions: \_\_\_\_\_ total footprint area: 1125 sq. ft. height: 110' ft.

1st floor area: \_\_\_\_\_ sq. ft. 2nd floor area: \_\_\_\_\_ sq. ft. number of bedrooms: \_\_\_\_\_

Plot Plan  /Modified Plot Plan  (as described in Section 51.2 of the Old Lyme Zoning Regulations) is attached.

By signing this application, the applicant acknowledges that he understands that it is the applicant's responsibility to conform to the Town of Old Lyme's Zoning Regulations and that if the information here provided proves to be false, incomplete, and/or inaccurate, the permit will be revoked. Further, by signing this application, the applicant consents to access to the premises, at reasonable times, by appropriate officials of the Town of Old Lyme for the purpose of evaluating this application prior to its approval; inspections to monitor compliance of any work performed pursuant to any approval of this application; and continuing compliance inspections and monitoring following completion of any work authorized by such approval. This consent shall include the interior of any buildings existing or proposed on the premises, where access to such buildings is reasonably required in order to monitor compliance with applicable regulations of the Town of Old Lyme, any permit issued thereunder, or any conditions of such permit. This consent shall be deemed to run with the land and be binding upon future assignees of the subject permit, and use of such permit by the applicant or its successor(s) shall constitute acceptance of this consent.

Signature of Owner/Applicant: Rich J. D. For Sprint PCS Date: 5/24/01  
Name/Address: 345 Backlund Hills Drive Apt. 1-14 Manchester CT Phone: 860-644-9449

### Office Use Only

1. Flood Hazard Permit: panel D6 zone C req'd:  not req'd:  exempt:  comment: \_\_\_\_\_
2. Coastal Site Plan Review: req'd:  not req'd:  exempt:  comment: \_\_\_\_\_
3. Water Resource District: n/a:  complies:  Conservation Zone: n/a:  complies: \_\_\_\_\_
4. Historic District: n/a:  complies: \_\_\_\_\_ Driveway Permit: req'd:  not req'd:  approval: \_\_\_\_\_
5. Site Development Plan: req'd:  not req'd:  approval: \_\_\_\_\_
6. Special Exception: req'd:  not req'd:  agency:  approval: \_\_\_\_\_
7. Health Review: well permit: \_\_\_\_\_ well complete: \_\_\_\_\_ septic permit: \_\_\_\_\_ number bedrooms: \_\_\_\_\_  
Comment: \_\_\_\_\_

Approved/Denied: John J. Powers Date: 5-25-01 Approved/Denied: \_\_\_\_\_ Date: \_\_\_\_\_  
Zoning Review: (foundation/structure): \_\_\_\_\_

Varance Application Number: \_\_\_\_\_ approved/denied: \_\_\_\_\_ date: \_\_\_\_\_

Zoning Review: (foundation/structure): Report of existing tower w/ new structure approved/denied: CL date: 5/28/01

Zoning Review: (foundation/structure): \_\_\_\_\_ approved/denied: \_\_\_\_\_ date: \_\_\_\_\_

Certificate of Zoning Compliance: \_\_\_\_\_ approved: \_\_\_\_\_ date: \_\_\_\_\_

v 5/1/00 approved: \_\_\_\_\_ date: \_\_\_\_\_

# Exhibit B

# 189 BOSTON POST RD

<b>Location</b>	189 BOSTON POST RD	<b>Mblu</b>	63/ / 123/ /
<b>Acct#</b>	00308400	<b>Owner</b>	TOWN OF OLD LYME
<b>Assessment</b>	\$515,800	<b>Appraisal</b>	\$736,700
<b>PID</b>	3249	<b>Building Count</b>	1

## Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2019	\$593,400	\$143,300	\$736,700
Assessment			
Valuation Year	Improvements	Land	Total
2019	\$415,400	\$100,400	\$515,800

## Owner of Record

<b>Owner</b>	TOWN OF OLD LYME	<b>Sale Price</b>	\$0
<b>Co-Owner</b>	FIRE HOUSE -BOUGHTON RD	<b>Certificate</b>	
<b>Address</b>	189 BOSTON POST RD OLD LYME, CT 06371	<b>Book &amp; Page</b>	0012/0627
		<b>Sale Date</b>	03/24/1924

## Ownership History

Ownership History				
Owner	Sale Price	Certificate	Book & Page	Sale Date
TOWN OF OLD LYME	\$0		0012/0627	03/24/1924
TOWN OF OLD LYME	\$0	/0		

## Building Information

### Building 1 : Section 1

<b>Year Built:</b>	1992
<b>Living Area:</b>	3,874
<b>Replacement Cost:</b>	\$574,362
<b>Building Percent Good:</b>	90
<b>Replacement Cost</b>	
<b>Less Depreciation:</b>	\$516,900

### Building Attributes

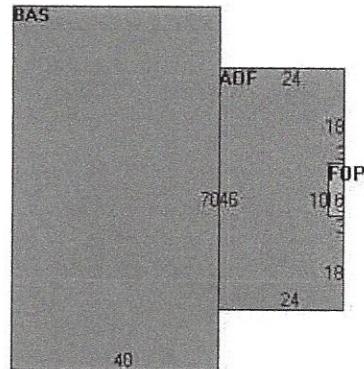
Field	Description
Style:	Fire Station
Model	Ind/Comm
Grade	Average
Stories:	1
Occupancy	1.00
Exterior Wall 1	Brick/Masonry
Exterior Wall 2	
Roof Structure	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Gas
Heating Type	Forced Air-Duc
AC Type	06
Struct Class	
Bldg Use	MUNICIPAL MDL-96
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	903I
Heat/AC	HEAT/AC SPLIT
Frame Type	MASONRY
Baths/Plumbing	AVERAGE
Ceiling/Wall	SUS-CEIL & WL
Rooms/Prtns	AVERAGE
Wall Height	14.00
% Comm Wall	0.00

### Building Photo



(<http://images.vgsi.com/photos/OldLymeCTPhotos//00/00/93/92.jpg>)

### Building Layout



([http://images.vgsi.com/photos/OldLymeCTPhotos//Sketches/3249\\_3249.jr](http://images.vgsi.com/photos/OldLymeCTPhotos//Sketches/3249_3249.jr))

Building Sub-Areas (sq ft)		Legend	
Code	Description	Gross Area	Living Area
BAS	First Floor	2,800	2,800
AOF	Office, (Average)	1,074	1,074
FOP	Porch, Open, Finished	30	0
		3,904	3,874

### Extra Features

Extra Features					Legend
Code	Description	Size	Value	Bldg #	
A/C	AIR COND	1074.00 UNITS	\$2,400	1	
GEN	GENERATOR	1.00 UNITS	\$0	1	

### Land

#### Land Use

#### Land Line Valuation

Use Code	903I	Size (Acres)	1.03
Description	MUNICIPAL MDL-96	Frontage	0
Zone	R-20	Depth	0
Neighborhood	0050	Assessed Value	\$100,400
Alt Land Appr	No	Appraised Value	\$143,300
Category			

### Outbuildings

Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
PAV1	PAVING-ASPHALT			16850.00 S.F.	\$25,300	1
SHD2	W/LIGHTS ETC			360.00 S.F.	\$3,800	1
MSC19	TOWER			1.00 UNIT	\$45,000	1

### Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2020	\$593,400	\$143,300	\$736,700
2019	\$506,400	\$150,800	\$657,200
2018	\$506,400	\$150,800	\$657,200

Assessment			
Valuation Year	Improvements	Land	Total
2020	\$415,400	\$100,400	\$515,800
2019	\$354,400	\$105,600	\$460,000
2018	\$354,400	\$105,600	\$460,000

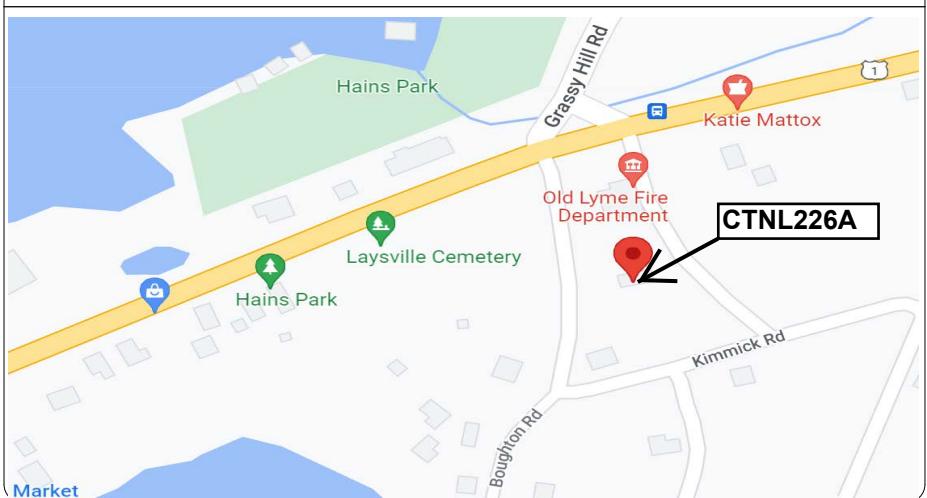
# Exhibit C

# T-Mobile®

## T-MOBILE NORTHEAST LLC

### UPGRADE: GENERATOR ADD

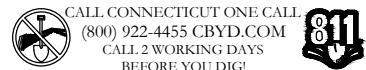
#### LOCATION MAP



#### APPLICABLE CODES/REFERENCE DOCUMENTS

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

CODE TYPE	CODE
BUILDING	2015 TBC
MECHANICAL	2015 IMC
ELECTRICAL	2015 NEC



#### GENERAL NOTES

OCCUPANCY CLASSIFICATION:	UNKNOWN
TYPE OF CONSTRUCTION:	UNKNOWN
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PLUMBING REQUIREMENTS:	FACILITY HAS NO SANITARY OR POTABLE WATER.

**SITE NAME:**  
CROWN OLD LYME MONOPOLE

**SITE NUMBER:**  
CTNL226A

**SITE ADDRESS:**  
189 BOSTON POST ROAD  
OLD LYME, CT 06371

#### PROJECT INFORMATION

SITE ADDRESS:	189 BOSTON POST ROAD OLD LYME, CT 06371
COUNTY:	NEW LONDON COUNTY
JURISDICTION:	UNKNOWN
LATITUDE:	41° 20' 56.37" N
LONGITUDE:	-72° 17' 43.65" W
PARCEL/APN #	UNKNOWN
ZONING	UNKNOWN
GROUND ELEVATION:	UNKNOWN
TOWER TYPE:	MONOPOLE
TOWER HEIGHT	135'-0"
PROPERTY OWNER:	UNKNOWN UNKNOWN UNKNOWN
APPLICANT:	T-MOBILE 35 GRIFFIN ROAD BLOOMFIELD, CT 06002
ENGINEER:	TRYLON TSF 1825 W. WALNUT HILL LANE, SUITE 302 IRVING, TX 75038
CONTACT:	MIKE MOORE MIKE.MOORE@TRYLON.COM
PROJECT MANAGER:	NORTHEAST SITE SOLUTIONS 420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566
CONTACT:	MIKE MOORE MIKE.MOORE@TRYLON.COM

#### SCOPE OF WORK

##### SCOPE OF WORK:

- INSTALL (1) NEW 9'-0" x 4'-0" CONCRETE PAD
- INSTALL (1) NEW 48KW GENERATOR
- INSTALL (1) NEW ATS
- INSTALL (1) NEW H-FRAME

#### APPROVALS

T-MOBILE CONSTRUCTION MANAGER

T-MOBILE RF ENGINEER

LAND USE PLANNER

NETWORK OPERATION

PROPERTY OWNER

CONTRACTOR

#### SHEET INDEX

SHEET #	DESCRIPTION	REVISION #
T-1	TITLE SHEET	1
T-2	GENERAL NOTES	1
C-1.1	OVERALL SITE PLAN	1
C-1.2	EXISTING ENLARGED SITE PLAN	1
C-1.3	PROPOSED ENLARGED SITE PLAN	1
C-2	DETAIL	1
C-3	GENERATOR SPECS	1
S-1	CONCRETE PAD SPEC	1
E-1	AC PANEL SCHEDULES & ONE LINE DIAGRAM	1
G-1	GROUNDING DETAILS	1



T-MOBILE SITE NUMBER:  
**CTNL226A**

189 BOSTON POST ROAD  
OLD LYME, CT 06371

EXISTING 135'-0" MONOPOLE

REV	DATE	DRWN	DESCRIPTION	DES/QA
A	06/25/2022	YOG	PRELIMINARY	---
0	07/13/2022	CP	ISSUE FOR CONSTRUCTION	---
1	07/26/2022	SRI	ISSUE FOR CONSTRUCTION	---



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER: **CTNL226A** REVISION: **1**

## GENERAL NOTES

### 1. GENERAL REQUIREMENTS

#### A. PURPOSE AND INTENT

1. THE DRAWING AND SPECIFICATION ARE INTENDED TO BE FULLY EXPLANATORY AND SUPPLEMENTARY, HOWEVER, SHOULD ANYTHING BE SHOWN, INDICATED, OR SPECIFIED ON ONE AND NOT THE OTHER, IT SHALL BE DONE THE SAME AS IF DISCREPANCIES BETWEEN REQUIREMENTS SHOWN IN BOTH, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.

2. THE INTENTION OF THE DOCUMENT IS TO INCLUDE ALL LABOR AND MATERIALS REASONABLY NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK AS STIPULATED IN THE CONTRACT.

#### A. CONFLICTS

1. VERIFY ALL MEASUREMENTS AT THE SITE BEFORE ORDERING MATERIAL OR DOING ANY WORK, NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED DUE TO DIFFERENCES BETWEEN ACTUAL DIMENSIONS OR DIMENSIONS SHOWN ON PLANS SUBMIT NOTICE OF ANY DISCREPANCY IN DIMENSIONS OR OTHERWISE TO T-MOBILE FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.

2. NO PLEA OF IGNORANCE OF CONDITIONS THAT EXIST, OR OF DIFFICULTIES OR CONDITIONS THAT MAY BE ENCOUNTERED, OR OF ANY OTHER RELEVANT MATTER CONCERNING THE EXECUTION OF THE WORK WILL BE ACCEPTED AS AN EXCUSE FOR ANY FAILURE OR OMISSION ON THE PART OF THE CONTRACTOR TO FULFILL EVERY DETAIL OF ALL THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS GOVERNING THE WORK.

#### A. CLEANING

1. KEEP THE SITE FREE FROM ACCUMULATION OF WASTE AND RUBBISH CAUSED BY EMPLOYEES AT THE COMPLETION OF THE WORK, REMOVE ALL WASTE AND NON-CONSTRUCTION MATERIAL INCLUDING ALL CONTRACT TOOLS, SCAFFOLDING, AND SURPLUS MATERIAL AND LEAVE SITE CLEAN AND READY FOR USE.

#### A. CODES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING ALL LAWS, REGULATIONS, AND RULES PROMULGATED BY FEDERAL STATE AND LOCAL AUTHORITIES WITH JURISDICTION OVER THE SALTIER. THIS RESPONSIBILITY IS IN EFFECT REGARDLESS OF WHETHER THE LAW, ORDINANCE, REGULATION OR RULE IS MENTIONED IN THESE SPECIFICATIONS.

#### A. LICENSING

1. CONTRACTOR SHALL HAVE AND MAINTAIN A VALID CONTRACTOR'S LICENSE FOR THE LOCATION IN WHICH THE WORK IS TO BE PERFORMED. FOR JURISDICTIONS THAT LICENSE INDIVIDUAL TRADES, THE TRADESMAN OR SUBCONTRACTOR PERFORMING THOSE SHALL BE LICENSED, RESEARCHED AND COMPLY WITH THE LICENSING LAWS, PAY LICENSE FEES, AND SELECT AND INFORM SUBCONTRACTORS REGARDING THESE LAWS.

#### A. OSHA

1. FOLLOW ALL APPLICABLE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATIONS AND STATE LAWS BASED IN THE FEDERAL OCCUPATION SAFETY AND HEALTH ACT. THESE REGULATIONS INCLUDE, BUT ARE NOT LIMITED TO, REGULATIONS DEALING WITH TOWER CONSTRUCTION AND SAFETY, EXCAVATION AND TRENCHING, AND WORK IN CONFINED SPACES. ENSURE THAT EMPLOYEES AND SUBCONTRACTORS WEAR HARD HATS AT ALL TIMES DURING CONSTRUCTION.

#### A. PHOTOS

1. PROVIDE PHOTOGRAPHIC EVIDENCE OF ALL FOUNDATION INSTALLATIONS, GROUNDING, AND TRENCHING AFTER PLACEMENT OF UTILITIES PRIOR TO BACKFILL.

#### A. BUILDING PERMITS

1. CONTRACTOR WILL SUBMIT CONSTRUCTION DOCUMENTS TO THE JURISDICTIONAL AUTHORITY FOR PLAN CHECK AND REVIEW. CONTRACTOR WILL SUBMIT LICENSING AND WORKMAN'S COMPENSATION INFORMATION TO THE JURISDICTION AS REQUIRED TO OBTAIN THE BUILDING PERMIT, CONTRACTOR SHALL COORDINATE AND SCHEDULE REQUIRED INSPECTIONS AND POST REQUIRED PERMITS AT THE JOB SITE COMPLY WITH SPECIFIC PROJECT RELATED REQUESTS AND SUGGESTIONS MADE BY BUILDING INSPECTOR, AND INFORM CONSTRUCTION MANAGER OF ANY SUCH WORK THAT MAY BE BEYOND THE SCOPE OF THE CONTRACT OR DEVIATE FROM THE CONSTRUCTION DOCUMENT. T-MOBILE WILL REIMBURSE THE CONTRACTOR FEES FOR PLAN REVIEW, BUILDING PERMIT, CONNECTIONS, AND INSPECTIONS. (INCLUDED IN THE BASE PROPOSAL).

#### A. ZONING REGULATIONS AND CONDITIONAL USE PERMITS

1. CONTRACTOR WILL SUBMIT ALL ZONING AND CONDITIONAL USE PERMITS. SOME USE PERMITS MAY HAVE SPECIFIC REQUIREMENTS FOR THE SITE RELATED TO CONSTRUCTION, SUCH AS NOISE REGULATIONS, HOURS OF WORK, ACCESS LIMITATIONS, ETC. THE CONSTRUCTION MANAGER WILL INFORM THE CONTRACTOR OF THESE REQUIREMENTS AT THE PRE-BID MEETING OR AS SHOWN IN THE CONSTRUCTION DOCUMENTS.

#### A. FAA PERMIT AND TOWER LIGHTING

1. REFER TO CONSTRUCTION DOCUMENTS AND CONSTRUCTION MANAGER FOR FAA AND STATE LIGHTING REQUIREMENTS. CONTRACTOR SHALL PROVIDE TEMPORARY FM APPROVED LIGHTING UNTIL PERMANENT LIGHTING IS OPERATIONAL.

#### A. TOWER SECURITY

1. IF REQUIRED, TOWER MUST BE FENCED, TEMPORARILY OR PERMANENTLY WITHIN 24 HOURS OF ERECTION. DO NOT ALLOW THE GATE ACCESSING THE TOWER AREA TO REMAIN OPEN OR UNATTENDED ANY TIME FOR ANY REASON. KEEP THE GATE CLOSED AND LOCKED WHEN NOT IN USE.

#### L. SITE CONTROL

1. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR CONTAINMENT OF SEDIMENT AND CONTROL OF EROSION AT THE SITE. ANY DAMAGE TO ADJACENT OR DOWNSTREAM PROPERTIES WILL BE CORRECTED BY THE CONTRACTOR AT NO EXPENSE TO T-MOBILE.

2. THE CONTRACTOR IS TO MAINTAIN ADEQUATE DRAINAGE AT ALL TIMES. DO NOT ALLOW WATER TO STAND OR POND. ANY DAMAGE TO STRUCTURES OR WORK ON THE SITE CAUSED BY INADEQUATE MAINTENANCE OF DRAINAGE PROVISIONS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND ANY COST ASSOCIATED WITH REPAIRS FOR SUCH DAMAGE WILL BE AT THE CONTRACTOR'S EXPENSE.

3. ALL WASTE MATERIAL SHALL BE PROPERLY DISPOSED OF OFF-SITE OR AS DIRECTED BY CONSTRUCTION MANAGER AND IN ACCORDANCE WITH JURISDICTIONAL AUTHORITIES.

#### M. LIVESTOCK PROTECTION

1. PROTECT AND SECURE LIVESTOCK. MAINTAIN AND SECURE EXISTING PERIMETER FENCE AND/OR GATE ENCLOSURES.

#### 2. SITE PREPARATION

##### A. SCOPE OF WORK INCLUDES

1. PROTECTION OF EXISTING TREES, VEGETATION AND LANDSCAPING MATERIALS WHICH MIGHT BE DAMAGED BY CONSTRUCTION ACTIVITIES.

2. TRIMMING OF EXISTING TREES AND VEGETATION AS REQUIRED FOR PROTECTION DURING CONSTRUCTION ACTIVITIES.

3. CLEANING AND GRUBBING OF STUMPS, VEGETATION, DEBRIS, RUBBISH, DESIGNATED TREES AND SITE IMPROVEMENTS.

4. TOPSOIL STRIPPING AND STOCKPILING.

5. TEMPORARY EROSION CONTROL, SILTATION CONTROL, AND DUST CONTROL CONFORMING TO LOCAL REQUIREMENTS AS APPLICABLE.

6. TEMPORARY PROTECTION OF ADJACENT PROPERTY, STRUCTURES, BENCHMARKS, AND MONUMENTS.

7. PROTECTION AND TEMPORARY RELOCATION, STORAGE AND RE-INSTALLATION OF EXISTING FENCE AND OTHER SITE IMPROVEMENTS SCHEDULED FOR RE-USE.

8. REMOVAL AND LEGDK DISPOSAL OF CLEARED MATERIALS.

##### B. PRODUCTS AND MATERIALS (AS APPROVED BY CONSTRUCTION MANAGER OR AS NOTED IN CONSTRUCTION DOCUMENTS)

1. MATERIALS USED FOR TREE PROTECTION, EROSION CONTROL, SILTATION CONTROL, AND DUST CONTROL.

##### 3. EARTHWORK

##### A. SCOPE OF WORK INCLUDES

1. EXCAVATION, TRENCHING, FILLING, COMPACTION, AND GRADING FOR STRUCTURES, SITE IMPROVEMENTS AND UTILITIES.

2. MATERIALS FOR SUB-BASE, DRAINAGE, BACKFILL AND GRAVEL FOR SLABS, PAVEMENT AND IMPROVEMENTS.

3. ROCK EXCAVATION WITHOUT BLASTING.

4. SUPPLY OF ADDITIONAL MATERIALS FOR OFFSITE AS REQUIRED.

5. REMOVAL AND LEGDK DISPOSAL OF EXCAVATED MATERIAL AS REQUIRED.

##### B. QUALITY ASSURANCE

###### 1. COMPACTION

A. UNDER STRUCTURES, BUILDING SLABS, PAVEMENTS AND WALKWAYS WILL OBTAIN A 95% COMPACTION AT A MINIMUM DRY DENSITY AS DETERMINED BY ASTM 0-1557 OR WITH PLUS OR MINUS 3% OF THE MOISTURE CONTENT.

2. GRADING TOLERANCES OUTSIDE BUILDING LINES

A. LAWNS, UNPAVED AREAS AND WALKS PLUS OR MINUS 1 INCH.

B. UNDER PAVEMENTS PLUS OR MINUS  $\frac{1}{2}$  INCH.

3. GRADING TOLERANCES FOR FILL UNDER CONCRETE APPLICATIONS

A. PLUS OR MINUS  $\frac{1}{2}$  INCH MEASURED WITH 10 FOOT STRAIGHT EDGE.

##### C. PRODUCTS AND MATERIALS (AS APPROVED BY CONSTRUCTION MANAGER OR AS NOTED IN CONSTRUCTION DOCUMENTS)

1. SUB-BASE MATERIAL: GRADED MIXTURE OF NATURAL OR CRUSHED GRAVEL, CRUSHED STONE OR SLAG, AND NATURAL SAND.

2. WASHED MATERIAL, EVENLY GRADED MIXTURE OF CRUSHED STONE OR GRAVEL WITH 95% PASSING A 1-1/2 INCH SIEVE.

3. GRADING MATERIAL WILL CONSIST OF SATISFACTORY NATIVE OR IMPORTED SOIL MATERIALS FREE OF CLAY, ROCK OR GRAVEL NOT LARGER THAN 2 INCHES IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS AND OTHER UNSUITABLE MATERIALS WILL NOT BE ALLOWED FOR USE. IMPORTED MATERIALS SHALL HAVE A CLAY CONTENT OF NO MORE THAN 5%.

4. GRAVEL MATERIAL: EVENLY GRADED MIXTURE OF CRUSHED STONE OR GRAVEL WITH 95% PASSING A 1-1/2 INCH SIEVE.

5. GEOTEXTILE FABRIC: AS PER CONSTRUCTION DOCUMENTS.

##### D. CLEARING AND GRUBBING

1. REMOVE ALL VEGETATION AND MATERIALS AS REQUIRED. REMOVE STUMPS COMPLETELY UNDER FOUNDATIONS AND ROADWAYS. DISPOSE OF CLEARING AND GRUBBING OFF-SITE OR IN AN ON-SITE LOCATION APPROVED BY CONSTRUCTION MANAGER.

#### E. STRIPPING

1. STRIP NOT LESS 3 INCHES OF SOD AND TOPSOIL FROM AREAS THAT WILL UNDERLAY GRAVEL, PAVEMENT, NEW STRUCTURES OR EMBANKMENTS. STOCKPILE STRIPPING ON-SITE FOR RE-USE AND FINAL LANDSCAPING.

#### G. EMBANKMENT

1. CONSTRUCT EMBANKMENT TO THE LINES AND GRADES SHOWN ON THE DRAWING.

2. CONSTRUCT EMBANKMENT FROM ON-SITE EXCAVATION MATERIAL WHEN SUITABLE, USE IMPORTED BACKFILL ONLY AFTER AVAILABLE ON-SITE EXCAVATION MATERIAL HAS BEEN USED.

3. CONSTRUCT IN LIFTS OF NOT MORE THAN 12 INCHES IN LOOSE DEPTH, THE FULL WIDTH OF THE CROSS SECTION SHALL BE BROUGHT UP UNIFORMLY.

4. MATERIAL SHALL BE PLACED IN LAYERS AND SHALL BE NEAR OPTIMUM MOISTURE CONTENT BEFORE ROLLING TO OBTAIN THE PRESCRIBED COMPACTION. WETTING OR DRYING OF THE MATERIAL AND MANIPULATION TO SECURE A UNIFORM MOISTURE CONTENT THROUGHOUT THE LAYERS MAY BE REQUIRED. SUCH OPERATIONS SHALL BE INCLUDED IN THE APPROPRIATE BID ITEM. SHOULD THE MATERIAL BE TOO WET TO PERMIT PROPER COMPACTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO UTILIZE MATERIAL WITH AN ACCEPTABLE MOISTURE CONTENT.

5. DO NOT PLACE FROZEN MATERIAL IN THE EMBANKMENT AND DO NOT PLACE EMBANKMENT MATERIAL UPON FROZEN MATERIAL.

6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF EMBANKMENTS AND THE REPLACEMENT OF ANY PORTION WHICH HAS BECOME DISPLACED DUE TO CONTRACTOR'S OPERATIONS.

7. START LAYERS IN THE DEEPEST PORTION OF THE FILL AND AS PLACEMENT PROGRESSES, CONSTRUCT LAYERS APPROXIMATELY PARALLEL TO THE FINISH GRADE LINE.

8. ROUTE EQUIPMENT BOTH LOADED AND EMPTY, OVER THE FULL WIDTH OF THE EMBANKMENT TO ENSURE UNIFORMITY OF MATERIAL PLACEMENT.

9. COMPACT EMBANKMENT UNDERLYING NEW GRAVEL PAVING, FLOOR SLABS AND STRUCTURES TO BE 95% COMPACTION AT A MINIMUM DRY DENSITY AS DETERMINED BY ASTM 0-1557 OR WITHIN PLUS OR MINUS 3% OF OPTIMUM MOISTURE CONTENT. COMPACT NON-STRUCTURAL AREA EMBANKMENTS TO A MINIMUM OF 90% ASTM 0-1557.

#### H. SITE GRADING

1. USING ON-SITE EXCAVATION MATERIAL, SHAPE, TRIM, FINISH AND COMPACT SURFACE AREAS TO CONFORM TO THE LINES. GRADES AND CROSS SECTIONS SHOWN ON THE DRAWING OR AS DESIGNATED BY THE CONSTRUCTION MANAGER.

2. GRADE SURFACES TO DRAIN AND ELIMINATE ANY PONDING OR EROSION.

3. ELIMINATE WHEEL RUTS BY REGRADING.

4. COMPACT AREAS OF UNDERLYING NEW GRAVEL, PAVING, FLOOR SLABS AND STRUCTURES TO BE AT 95% COMPACTION AT A MAXIMUM DRY DENSITY AS DETERMINED BY THE ASTM 0-1557 OR WITHIN PLUS OR MINUS 3% OF OPTIMUM MOISTURE CONTENT.

5. CONSTRUCT FINISH SURFACE OF SITE GRADING AREAS WITHIN 1 INCH FROM SPECIFIED GRADE.

#### I. SUBGRADE PREPARATION

1. SHAPE TOP OF SUBGRADE TO THE LINES AND GRADES SHOWN ON THE DRAWINGS.

2. MAINTAIN TOP OF SUBGRADE IN A FREE-RAINING CONDITION.

3. DO NOT STOCKPILE MATERIAL ON TOP OF SUBGRADE UNLESS AUTHORIZED BY CONSTRUCTION MANAGER.

4. COMPACT THE TOP 12 INCHES OF SUBGRADE TO A 95% COMPACTION AT A MAXIMUM DRY DENSITY AS DETERMINED BY ASTM 0-1557 OR WITHIN PLUS OR MINUS 3% OF THE OPTIMUM MOISTURE CONTENT.

5. CONSTRUCT TOP OF SUBGRADE WITHIN 1 INCH OF ESTABLISHED GRADE AND CROSS SECTION.

#### J. GEOTEXTILE FABRIC

1. LAY GEOTEXTILE FABRIC OVER COMPAKTED SUBGRADE IN THE COMPOUND AREA AND UNDER LENGTH OF ROAD (WHEN REQUIRED). LAP ALL JOINTS TO A MINIMUM OF 36 INCHES.

#### K. GRAVEL SURFACING

1. CONSTRUCT GRAVEL SURFACING AREAS USING CRUSHED AGGREGATE BASE AND FINISH COURSES AS SPECIFIED BY CONSTRUCTION MANAGER. SPREAD GRAVEL AND RAKE TO OBTAIN A UNIFORM SURFACE AREA.

#### L. LANDSCAPING

1. FURNISH, INSTALL AND MAINTAIN LANDSCAPE WORK AS SHOWN AND/OR REQUIRED WITHIN THE CONSTRUCTION DOCUMENTS OR AS SPECIFIED IN THE CONSTRUCTION SPECIFICATIONS.

#### M. CONCRETE FORM WORK

1. FORMS: SMOOTH AND FREE OF SURFACE IRREGULARITIES. UTILIZE FORM RELEASE AGENTS.

2. CHAMFER EXPOSED EDGES OF ALL TOWER FOUNDATION SHALL RECEIVE A  $\frac{1}{2}$  INCH BY  $\frac{1}{2}$  INCH 45 DEGREE CHAMFER. OTHER EXPOSED EDGES SHALL RECEIVE A TOOLED RADIUS FINISH.

3. UPON COMPLETION, REMOVE ALL FORMS INCLUDING THOSE CONCEALED OR BURIED.

4. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

### 4. GENERAL NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS AND SPECIFICATIONS AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS TO ENSURE THAT WORK PROGRESSION IS NOT INTERRUPTED.

2. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A NEAT AND ORDERLY SITE, YARD AND GROUNDS. CONTRACTOR SHALL REMOVE AND DISPOSE OFF SITE ALL RUBBISH, WASTE MATERIAL, LITTER AND ALL FOREIGN SUBSTANCES. REMOVE PETROCHEMICAL SPILLS, STAINS AND OTHER FOREIGN DEPOSITS. RAKE GROUND TO A SMOOTH EVEN-TEXTURED SURFACE.

3. THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURE ABOVE GROUND STRUCTURES AND/OR UTILITIES BELIEVED TO EXIST IN THE WORKING AREA, EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATION INDICATED. IN PARTICULAR THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY BE SHOWN OR MAY NOT BE SHOWN AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN 48 HOURS BEFORE YOU DIG, DRILL OR BLAST CALL LOCAL UTILITIES LOCATOR COMPANY.

4. THE OWNER OR OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE OWNER OR THE OWNER'S REPRESENTATIVE.

5. THE CONTRACTOR IS INSTRUCTED TO COOPERATE WITH ANY AND ALL OTHER CONTRACTORS PERFORMING WORK ON THE SITE DURING THE PERFORMANCE OF THIS CONTRACT.

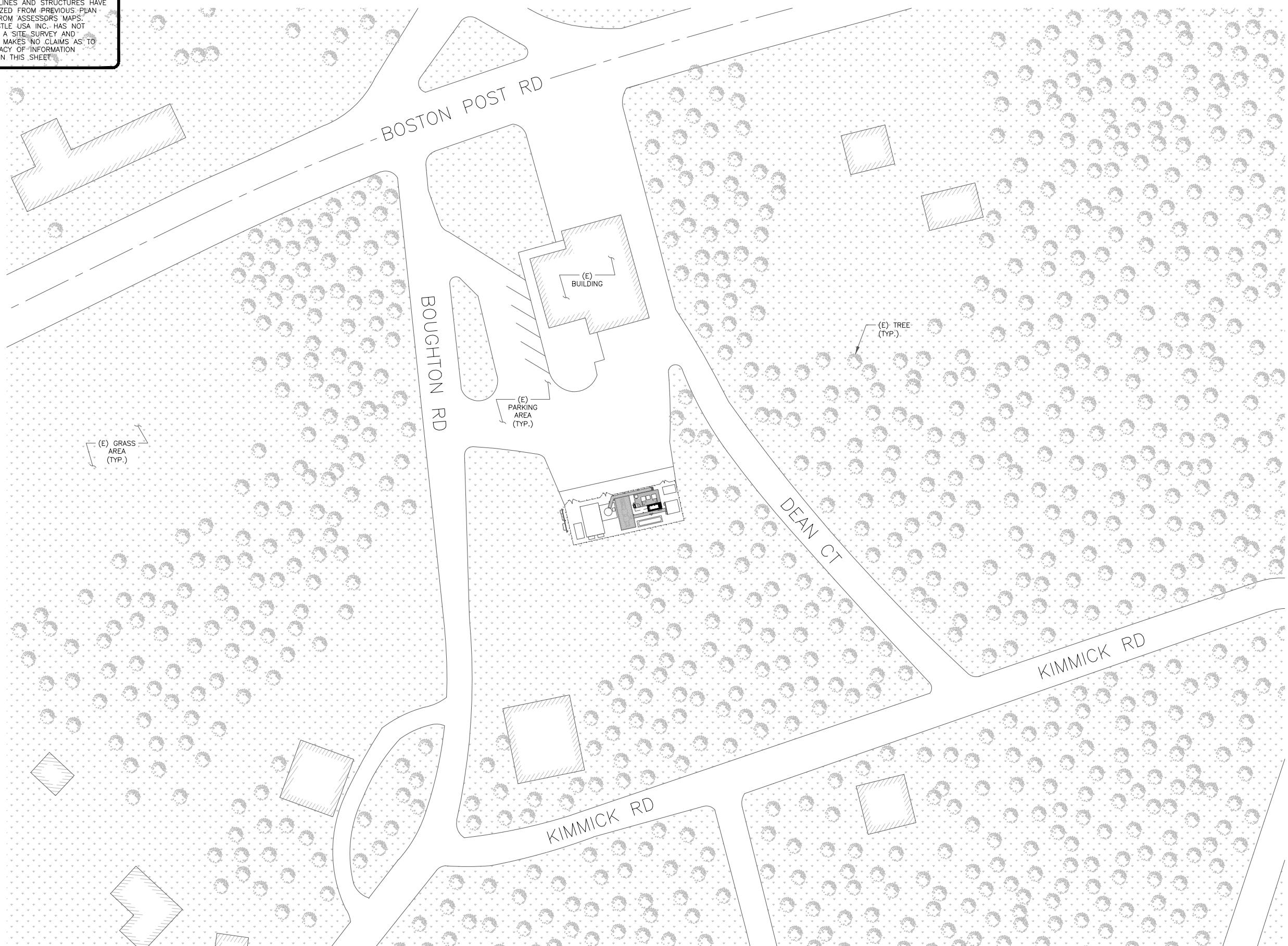
6. THE CONTRACTOR SHALL RESTORE ALL DAMAGED, PUBLIC OR PRIVATE PROPERTY TO AT LEAST AS GOOD OF CONDITION AS BEFORE DISTURBED AS DETERMINED BY THE OWNER OR OWNER'S REPRESENTATIVE.

7. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS.

8. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MON

## SITE PLAN DISCLAIMER:

PROPERTY LINES AND STRUCTURES HAVE BEEN DIGITIZED FROM PREVIOUS PLAN SETS OR FROM ASSESSORS MAPS. CROWN CASTLE USA INC. HAS NOT COMPLETED A SITE SURVEY AND THEREFORE MAKES NO CLAIMS AS TO THE ACCURACY OF INFORMATION DEPICTED ON THIS SHEET.



1 OVERALL SITE PLAN

SCALE: 16' 12" 8' 4" 0 16' 1/16"=1'-0" (FULL SIZE)

1/32"=1'-0" (11x17")



**T-Mobile**  
T-MOBILE NORTHEAST LLC  
35 GRIFFIN ROAD  
BLOOMFIELD, CT 06002

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Turnkey Wireless Development  
www.northeastsitesolutions.com  
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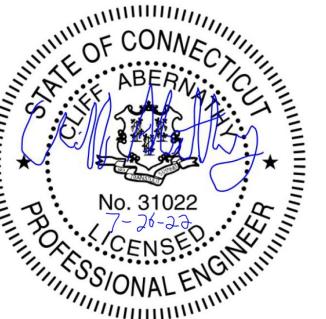
T-MOBILE SITE NUMBER:  
**CTNL226A**

189 BOSTON POST ROAD  
OLD LYME, CT 06371

EXISTING 135'-0" MONOPOLE

## ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
A	06/25/2022	YOG	PRELIMINARY	---
0	07/13/2022	CP	ISSUE FOR CONSTRUCTION	---
1	07/26/2022	SRI	ISSUE FOR CONSTRUCTION	---



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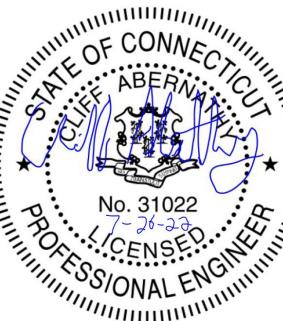
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EXISTING 135'-0" MONOPOLE

**ISSUED FOR:**

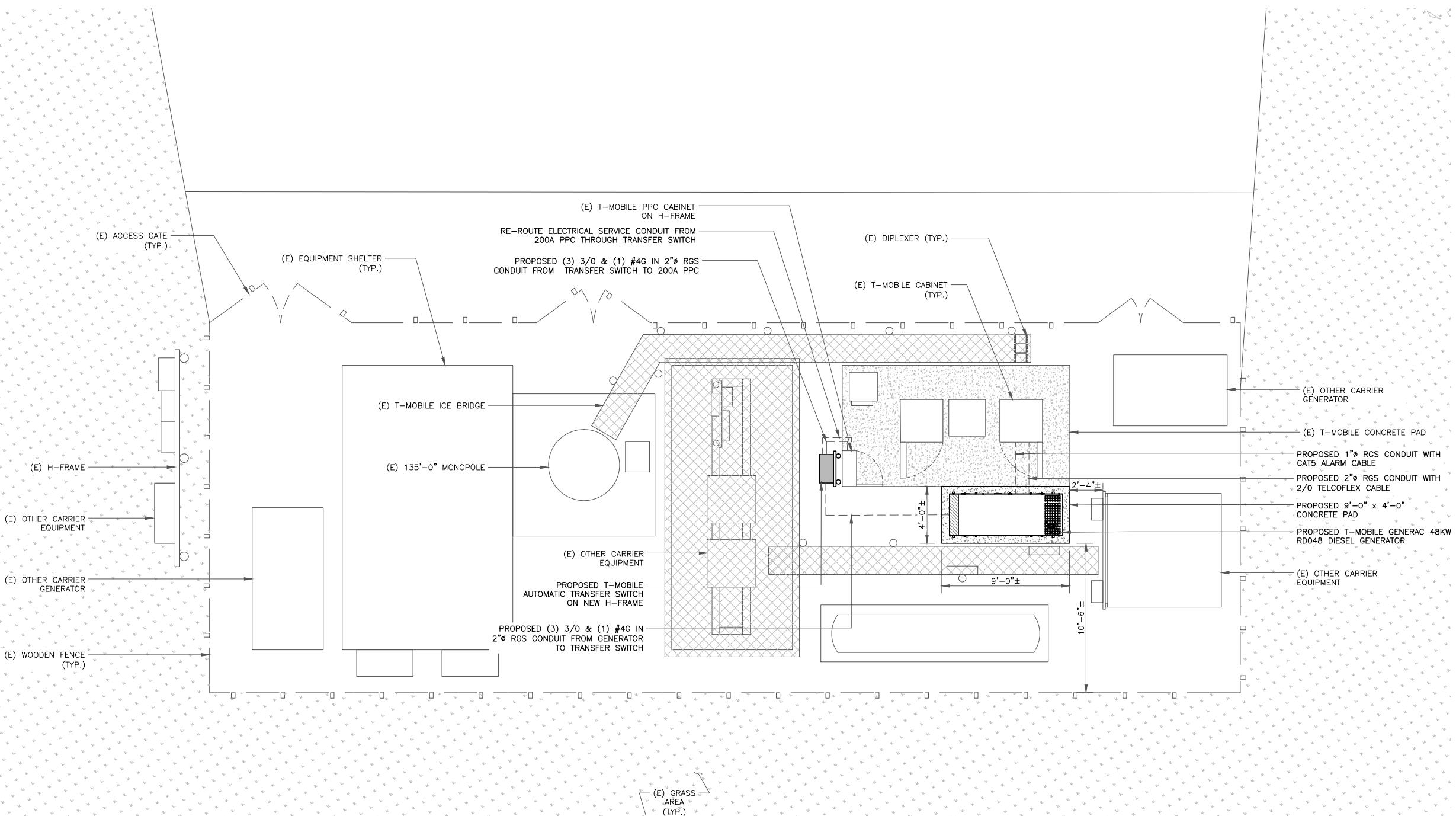
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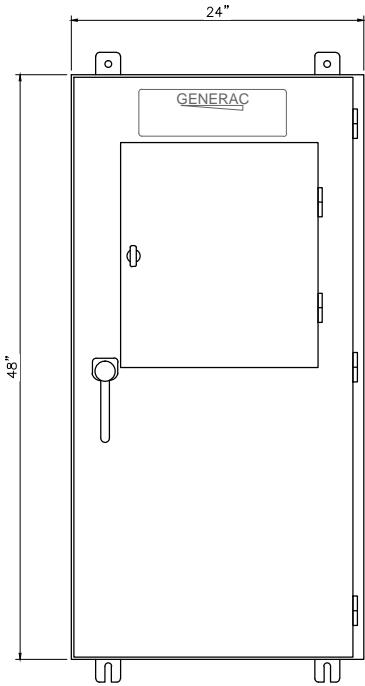


PROPOSED ENLARGED SITE PLAN  
SCALE: 1/2"=1'-0" (FULL SIZE) 1/4"=1'-0" (11x17")

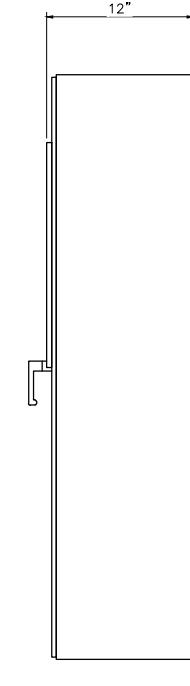


MANUFACTURER: GENERAC  
MODEL: TTS SERIES  
RATING: 120/240V, 100-400A, 600VCA, 1P  
DIMENSIONS: 48" H x 24" W x 12" D  
WEIGHT: 210 LBS

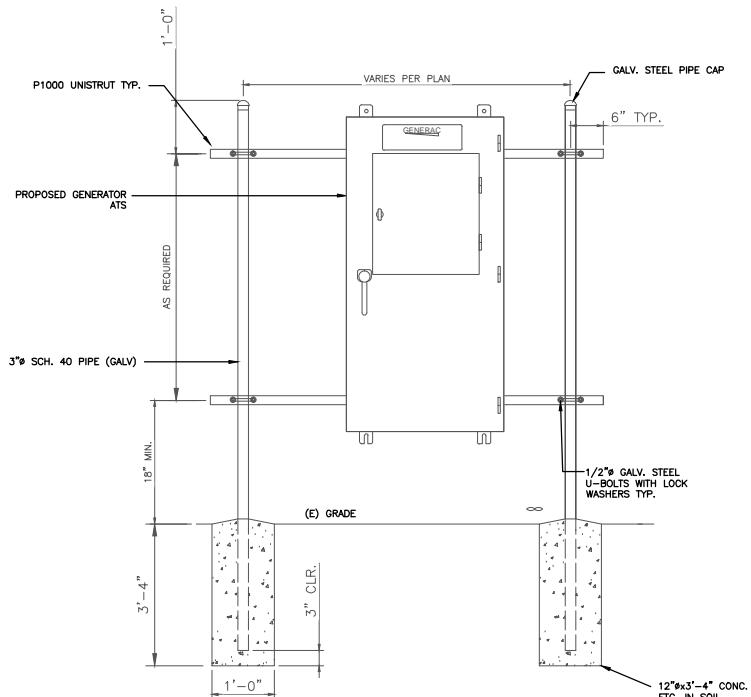
NOTE: ATS INCLUDES CAMLOCK



FRONT VIEW



SIDE VIEW



1 ATS CABINET SPECIFICATIONS  
SCALE: NOT TO SCALE

2 H-FRAME DETAIL  
SCALE: NOT TO SCALE

3 DETAIL NOT USED  
SCALE: NOT TO SCALE

4 DETAIL NOT USED  
SCALE: NOT TO SCALE

5 DETAIL NOT USED  
SCALE: NOT TO SCALE

6 DETAIL NOT USED  
SCALE: NOT TO SCALE

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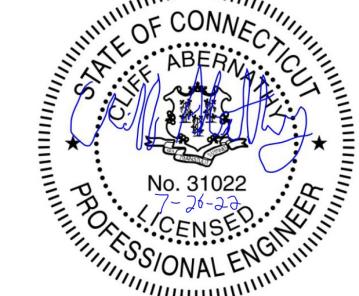
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**RD048 | 3.4L | 48 kW**  
INDUSTRIAL DIESEL GENERATOR SET  
EPA Certified Stationary Emergency

Standby Power Rating  
48 kW, 60 kVA, 60 Hz



**GENERAC** | INDUSTRIAL POWER



Image used for illustration purposes only

## Codes and Standards

Not all codes and standards apply to all configurations.  
Contact factory for details.



UL2200, UL508, UL489, UL142



CSA 22.2



BS5514 and DIN 6271



SAE J1349



NFPA 37, 70, 99



ISO 3048, 8528, 9001



NEMA ICS1, ICS10, MG1, 250, ICS6,  
AB1



ANSI/IEEE C62.41

## Powering Ahead

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

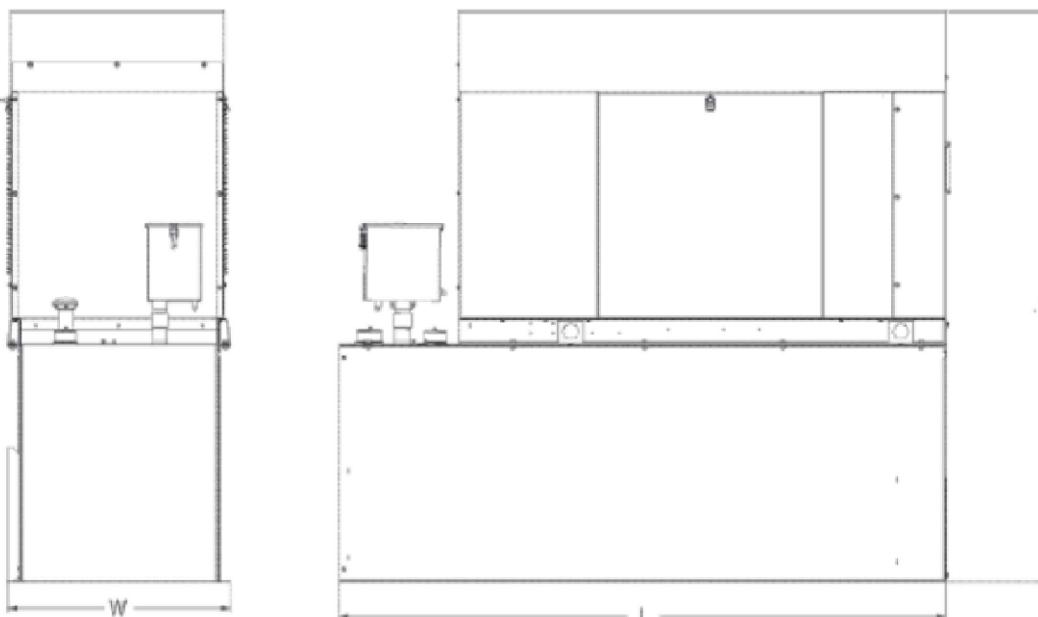
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Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial application under adverse conditions.

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

**RD048 | 3.4L | 48 kW**  
INDUSTRIAL DIESEL GENERATOR SET  
EPA Certified Stationary Emergency

## DIMENSIONS AND WEIGHTS\*



### ENCLOSED UNIT with 48hour Tank

L x W x H in (mm) 95.4 (2,422) x 35.0 (880) x 89.3 (2,269)

Sound output in dB(A) at 23ft with generator operating at normal Load 65

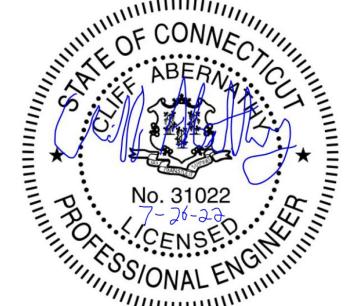
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EXISTING 135'-0" MONOPOLE

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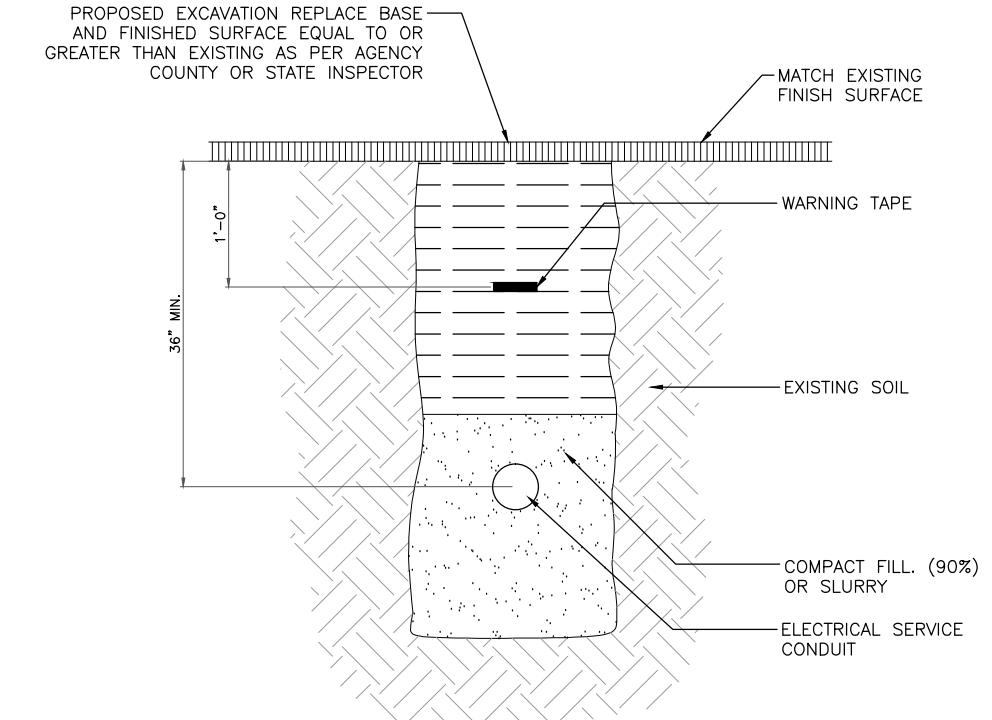
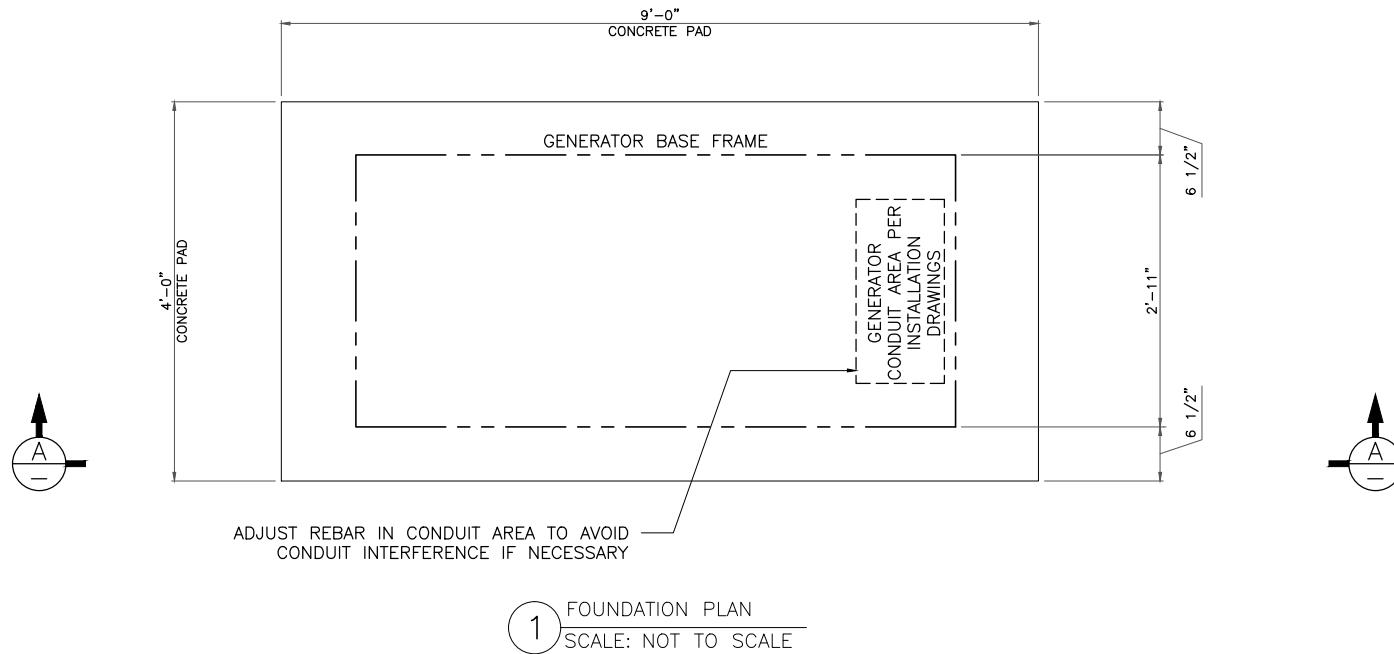
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NOTES:

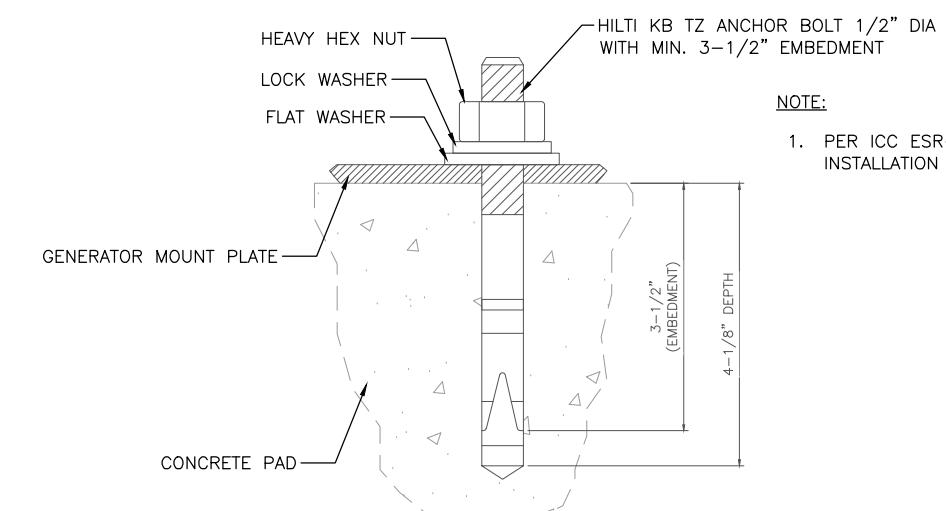
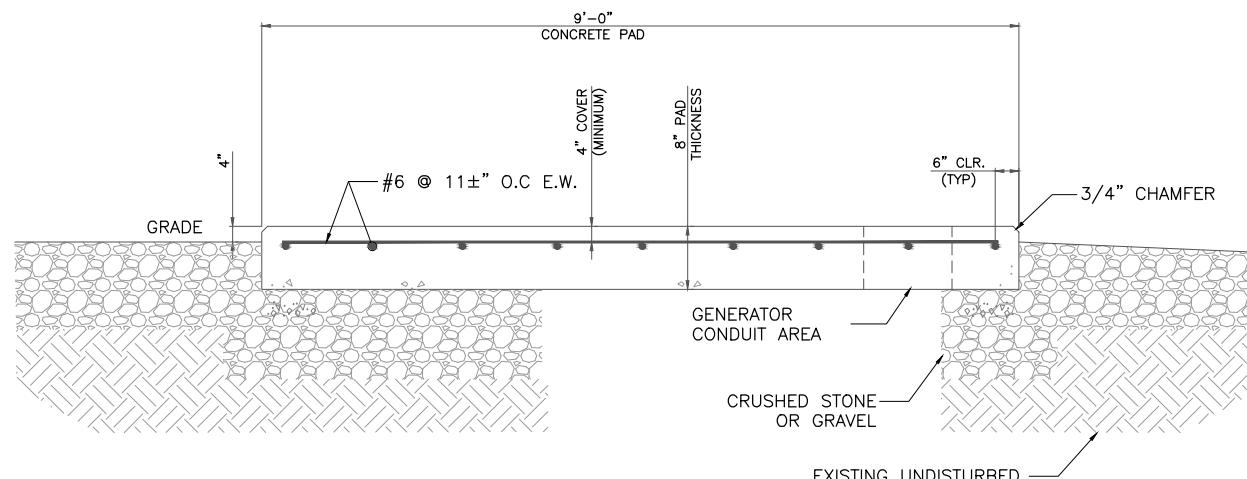
1. ALL CONCRETE CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE (ACI 318-14) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND (ACI 301) STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACIW301, ACIW318, ASTM A184 AND ASTM A185.
2. MINIMUM ALLOWABLE CONCRETE COMPRESSIVE STRENGTH SHALL BE 2500 PSI AT 28 DAYS WHEN TESTED IN ACCORDANCE WITH THE ASTM C172, ASTM C31 AND ASTM C39 UNLESS OTHERWISE NOTED.
3. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDING WIRE FABRIC SHALL CONFORM TO ASTM A185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "8" AND ALL HOOKS SHALL BE STANDARD, UNLESS NOTED OTHERWISE.
4. DETAILING SHALL BE IN ACCORDANCE WITH MANUAL OF STANDARD PRACTICE OF DETAILING REINFORCED CONCRETE STRUCTURES (ACI STD-315-92).

AMERICAN SOCIETY FOR TESTING AND MATERIALS METHODS STANDARDS  
ASTM C172, ASTM C31 AND ASTM C39 UNLESS OTHERWISE NOTED.  
REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60,  
DEFORMED UNLESS NOTED OTHERWISE. WELDING WIRE FABRIC SHALL  
CONFORM TO ASTM A185 WELDED STEEL WIRE FABRIC UNLESS NOTED  
OTHERWISE. SPLICES SHALL BE CLASS "8" AND ALL HOOKS SHALL BE  
STANDARD, UNLESS NOTED OTHERWISE.  
DETAILING SHALL BE IN ACCORDANCE WITH MANUAL OF STANDARD  
PRACTICE OF DETAILING REINFORCED CONCRETE STRUCTURES (ACI  
STD-315-92).

5. CHAMFER ALL EXPOSED EDGES OF CONCRETE 3/4" IN ACCORDANCE WITH ACI 301 SECTION 4.2.2. UNLESS OTHERWISE NOTED.
6. REINFORCING STEEL SHALL BE ACCURATELY PLACED AND ADEQUATELY SECURED IN POSITION. LOCATION OF REINFORCEMENT SHALL BE INDICATED ON THE DRAWINGS. CONCRETE COVER SHALL DEPEND ON WHETHER CONCRETE IS PRE-CAST OR CAST IN PLACE.
7. TOP OF FOUNDATION TO HAVE A "BRUSH FINISH".
8. EXPOSED FINISHED SURFACE IS NOT TO HOLD WATER.
9. ALL SURFACES ARE TO BE CLEANED OF ANY RESIDUAL CONCRETE FROM SPLASHING OR SPILLS.



2 UTILITY TRENCH  
SCALE: NOT TO SCALE



4 SECTION A-A  
SCALE: NOT TO SCALE

5 ANCHOR BOLT DETAIL  
SCALE: NOT TO SCALE

**T-Mobile**

## T-MOBILE NORTHEAST LLC

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BLOOMFIELD, CT 06002

420 MAIN STREET, BLDG 4  
STURBRIDGE, MA 01566

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IRVING, TEXAS 75038

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T-MOBILE SITE NUMBER:  
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OLD LYME, CT 06371

### EXISTING 135'-0" MONOPOLE



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STREET NUMBER

## CTN1226A

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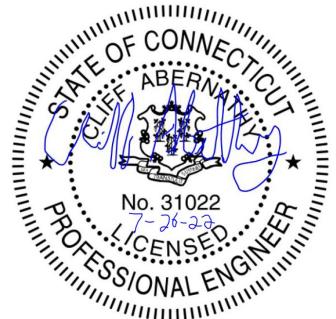
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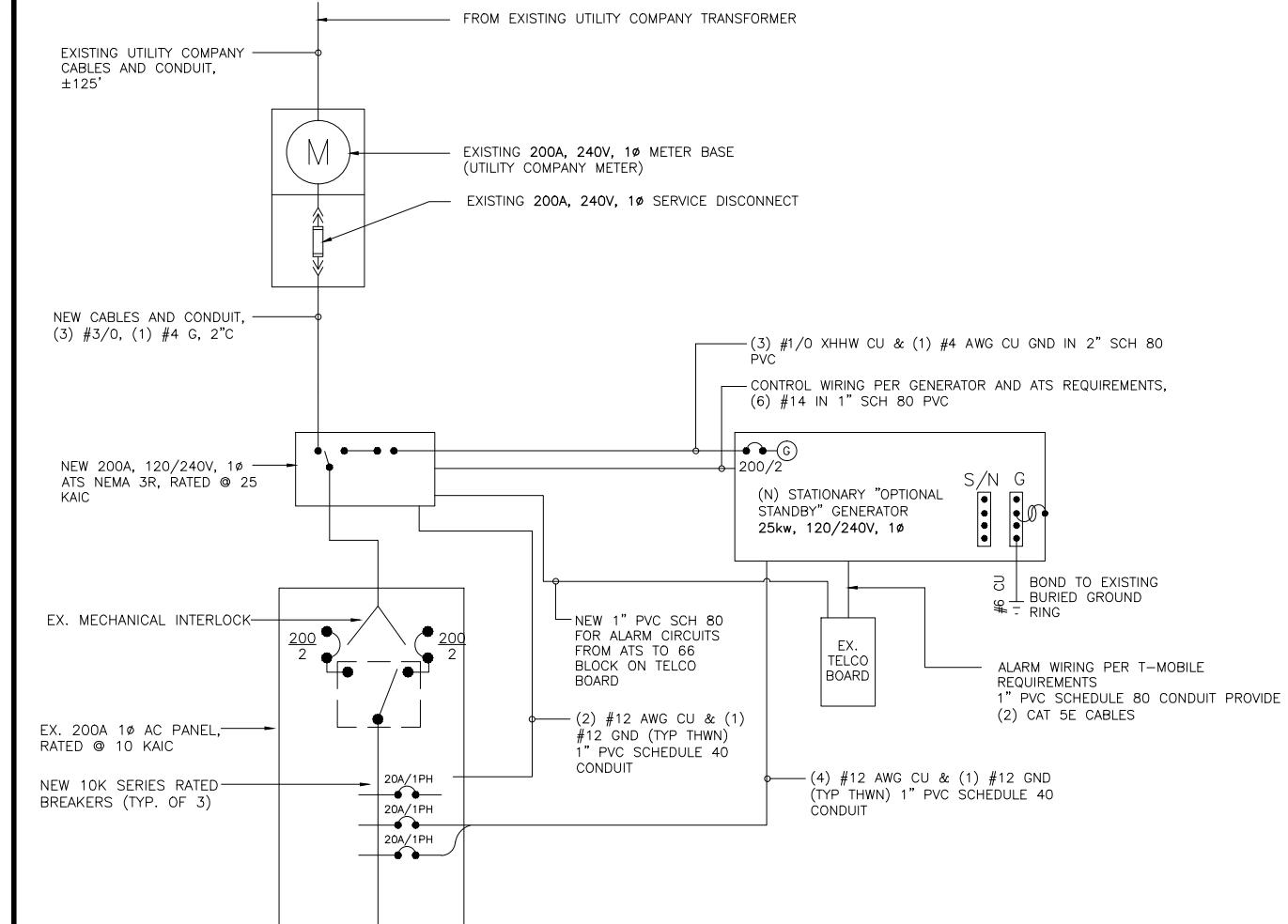


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1

PENDING





# Exhibit D

**RD048** | **3.4L** | **48 kW**  
INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

**GENERAC**® | INDUSTRIAL  
POWER

#### Standby Power Rating

48 kW, 60 kVA, 60 Hz



\*Built in the USA using domestic and foreign parts



Image used for illustration purposes only

## Codes and Standards

Not all codes and standards apply to all configurations.  
Contact factory for details.



UL2200, UL508, UL489, UL142



CSA 22.2



BS5514 and DIN 6271



SAE J1349



NFPA 37, 70, 99



ISO 3046, 8528, 9001



NEMA ICS1, ICS10, MG1, 250, ICS6, AB1



American National Standards Institute

ANSI/IEEE C62.41

## Powering Ahead

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INDUSTRIAL DIESEL GENERATOR SET

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POWER

## Standard Features

### ENGINE SYSTEM

- Cold Weather Kit
- Oil Drain Extension
- Fan Guard
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil & Coolant

### Fuel System

- Primary Fuel Filter

### Cooling System

- Closed Coolant Recovery System
- Factory-Installed Radiator
- 50/50 Ethylene Glycol Antifreeze
- Radiator Drain Extension
- Can Operate at up to 122°F (50°C) Ambient Temperature

### Electrical System

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor
- Smart Battery Charger

### ALTERNATOR SYSTEM

- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Sealed Bearings
- Low Temperature Rise (<120°C)
- Low THD (<5%)

### GENERATOR SET

- Sound Attenuated Aluminum Enclosure
- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Wrapped Exhaust Piping
- Standard Factory Testing
- 5 Year Limited Warranty
- Ready to Accept Full Load in <10 Seconds
- E-Stop

### TANKS

- 48 Hour Run Time Tank
- UL 142 Listed Tank

## CONTROL SYSTEM



### Evolution™ Controller

- Two-Line Plain Text LCD Display
- Programmable Start Delay Between 10-30 seconds
- 10 second Engine Start Sequence
- 5 second Engine Warm Up
- 1 minute Engine Cool-Down
- Starter Lock-Out
- Smart Battery Charger
- Automatic Voltage Regulation with Over and Under Protection
- Automatic Low Oil Pressure Shutdown
- Overspeed Shutdown
- High Temperature Shutdown
- Overcrank Protection
- Safety Fused
- Failure to Transfer Protection
- Low Battery Protection
- 50 Even Run Log
- Future Set Capable Exerciser
- Incorrect Wiring Protection
- Internal Fault Protection
- Common External Fault Capability
- Governor Failure Protection

## Optional Shipped Loose and Field Install Kits

### GENERATOR SET

- Paint Kit
- Scheduled Maintenance Kit

### CONTROL SYSTEM

- Mobile Link™ and Adapter Kit

### TANKS

- Spill Box
- 90% Fuel Alarm
- Tank Risers
- Spill Box Drainback Kit
- Vent Extension Support Kit
- 5 Day Run Time Tank
- Overfill Prevention Valve
- Fuel Fill Drop Tube
- Lockable Fuel Cap

**RD048 | 3.4L | 48 kW**  
**INDUSTRIAL DIESEL GENERATOR SET**

EPA Certified Stationary Emergency

**GENERAC** | INDUSTRIAL  
 POWER

**APPLICATION AND ENGINEERING DATA**

**ENGINE SPECIFICATIONS**

General

Make	Generac
Cylinder #	4
Type	In-Line
Displacement - in <sup>3</sup> (L)	3.4 (207.48)
Bore - in (mm)	3.86 (98)
Stroke - in (mm)	4.45 (113)
Compression Ratio	18.5:1
Intake Air Method	Turbocharged/Aftercooled
Cylinder Head	Cast Iron OHV
Piston Type	Aluminum

Engine Governing

Governor	Electronic
Frequency Regulation (Steady State)	±0.25%

Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full Flow Spin-On Canister
Crankcase Capacity with Filters- qt (L)	7.4 (7.0)

Cooling System

Cooling System Type	Closed Recovery
Fan Type	Pusher
Fan Speed- rpm	2,029
Fan Diameter - in (mm)	22 (559)

Fuel System

Fuel Type	Ultra Low Sulfur Diesel Fuel
Fuel Specification	ASTM
Fuel Pump Type	Mechanical Engine Driven Gear
Injector Type	Mechanical
Fuel Supply Lin (mm/in)	7.94/0.31 (ID)
Fuel Return Line (mm/in)	7.94/0.31 (ID)
Fuel Filtering (microns)	25

Engine Electrical System

System Voltage	12 VDC
Battery Charger Alternator	Standard
Battery Size	Group 27F
Battery Voltage	12 VDC
Ground Polarity	Negative

**ALTERNATOR SPECIFICATIONS**

Standard Model	Generac
Poles	4
Field Type	Rotating
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	<5%
Telephone Interference Factor (TIF)	<50

Standard Excitation	Direct
Bearings	Single Sealed
Coupling	Flexible Disc
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Full Digital
Number of Sensed Phases	2
Regulation Accuracy (Steady State)	±1.0%

**RD048 | 3.4L | 48 kW**  
INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

**GENERAC®** | INDUSTRIAL  
POWER

## OPERATING DATA

### POWER RATINGS

Single-Phase 120/480 VAC @0.1pf	48 kW	Standby Amps: 200
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### MOTOR STARTING CAPABILITIES (sKVA)

sKVA vs. Voltage Dip at 30%

120/240 V, Single-Phase at 0.4pf	189
----------------------------------	-----

### FUEL CONSUMPTION RATES\*

Percent Load	Diesel gal/hr (L/hr)
25%	1.35 (5.11)
50%	2.15 (8.14)
75%	3.06 (11.58)
100%	3.98 (15.07)

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

### COOLING

		Standby
Air Flow (Radiator and Alternator)	ft <sup>3</sup> /min (m <sup>3</sup> /min)	2824 (80)
Coolant System Capacity	gal (L)	2.8 (10.6)
Heat Rejection to Coolant	BTU/hr (MJ/hr)	135,900 (143.4)
Temperature Deration	3% for every 5°C above 25°C or 1.7% for every 5°F over 77°F	
Altitude Deration	1% for every 100 m above 915 or 3% for every 1000 ft over 3000 ft	
Maximum Radiator Backpressure	in H <sub>2</sub> O (kPa)	0.50 (0.12)

### COMBUSTION AIR REQUIREMENTS

Flow at Rated Power ft <sup>3</sup> /min (m <sup>3</sup> /min)	Standby
190 (5.38)	

### ENGINE

		Standby
Rated Engine Speed	rpm	1,800
Horsepower at rated kW	HP	85

### EXHAUST

Exhaust Flow (Rated Output)	ft <sup>3</sup> /min (m <sup>3</sup> /min)	Standby
Exhaust Temp (Rated Output - Post Silencer)	°F (°C)	448 (12.7) 1120 (604.4)

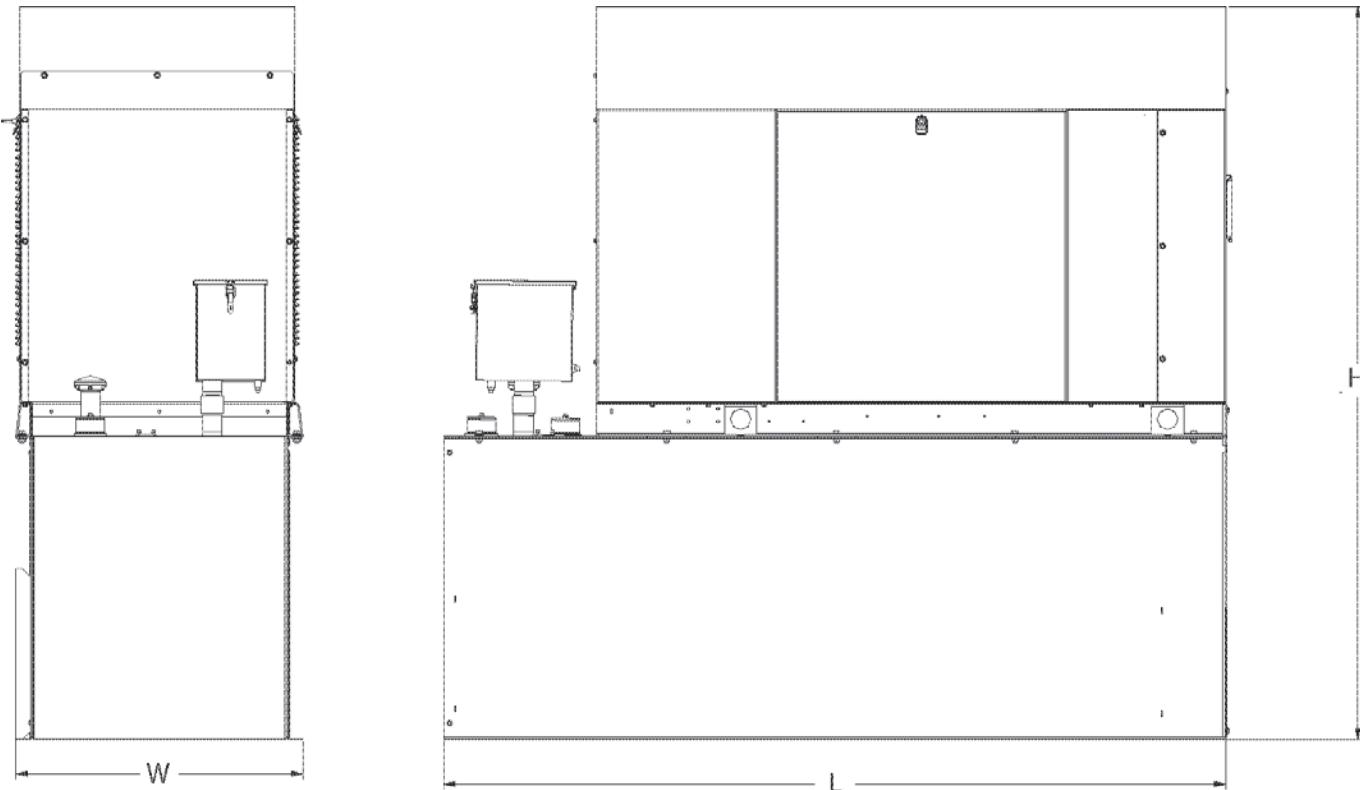
Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions.  
Please consult a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528 and DIN6271 standards.  
Standby - See Bulletin 0187500SSB

**RD048 | 3.4L | 48 kW**  
INDUSTRIAL DIESEL GENERATOR SET

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POWER

**DIMENSIONS AND WEIGHTS\***



**ENCLOSED UNIT with 48hour Tank**

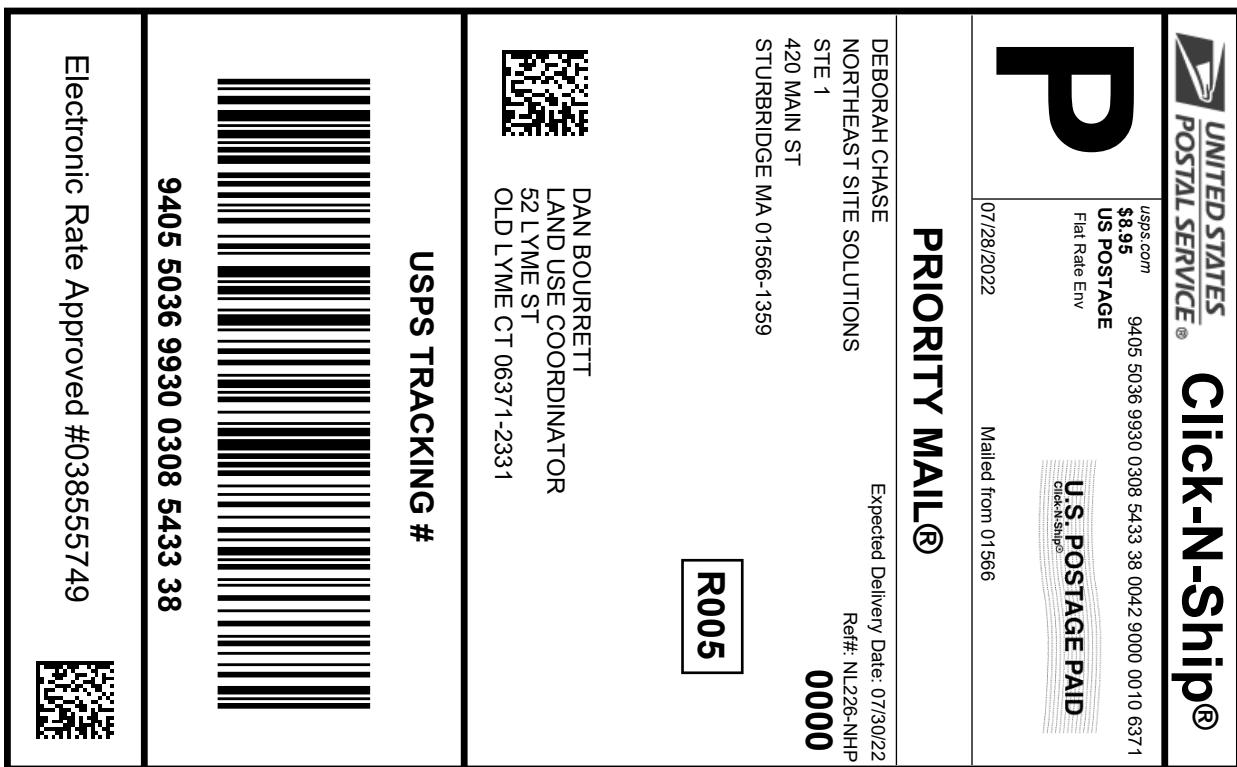
L x W x H in (mm)	95.4 (2,422) x 35.0 (880) x 89.3 (2,269)
Sound output in dB(A) at 23ft with generator operating at normal Load	65

\* All measurements are approximate and for estimation purposes only.

YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings.

# Exhibit E



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Ship Date:	07/28/2022		
Expected			
Delivery Date:	07/30/2022		

**From:** DEBORAH CHASE  
NORTHEAST SITE SOLUTIONS  
STE 1  
420 MAIN ST  
STURBRIDGE MA 01566-1359  
  
**To:** DAN BOURRETT  
LAND USE COORDINATOR  
52 LYME ST  
OLD LYME CT 06371-2331

Ref#: NL226-NHP

\* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.

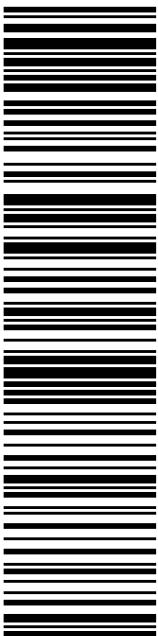


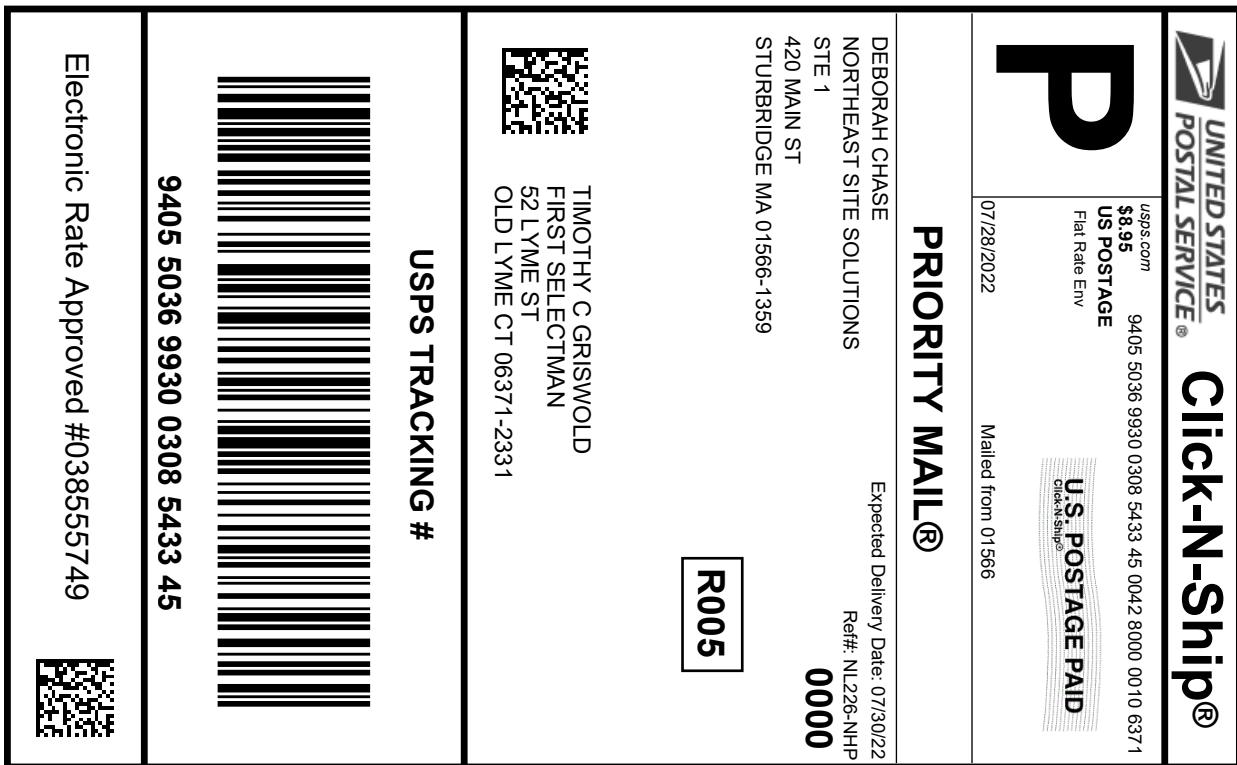
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Print Date:	07/28/2022	Total:	<b>\$8.95</b>
Ship Date:	07/28/2022		
Expected			
Delivery Date:	07/30/2022		

**From:** DEBORAH CHASE  
NORTHEAST SITE SOLUTIONS  
STE 1  
420 MAIN ST  
STURBRIDGE MA 01566-1359  
  
**To:** TIMOTHY C GRISWOLD  
FIRST SELECTMAN  
52 LYME ST  
OLD LYME CT 06371-2331

Ref#: NL226-NHP

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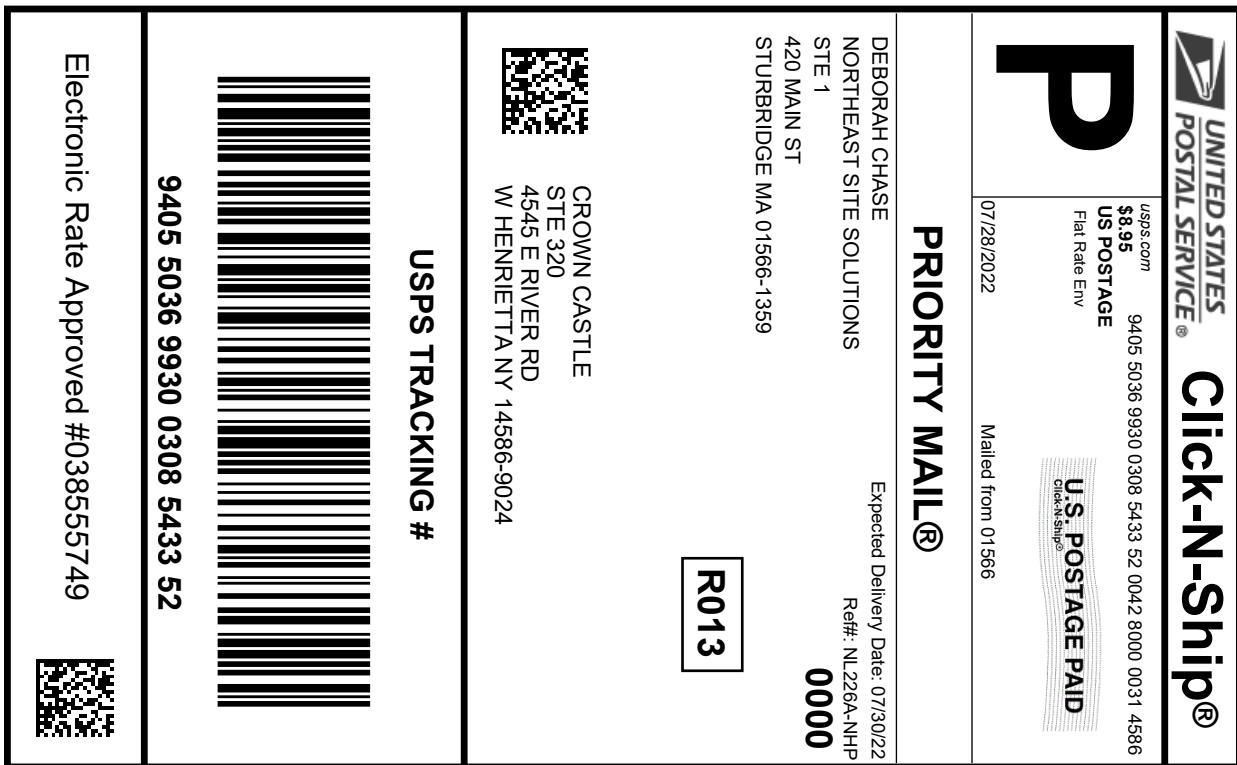


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Print Date:	07/28/2022	Total:	<b>\$8.95</b>
Ship Date:	07/28/2022		
Expected			
Delivery Date:	07/30/2022		

From:	DEBORAH CHASE NORTHEAST SITE SOLUTIONS STE 1 420 MAIN ST STURBRIDGE MA 01566-1359	Ref#: NL226A-NHP
To:	CROWN CASTLE STE 320 4545 E RIVER RD W HENRIETTA NY 14586-9024	

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FARMINGTON  
210 MAIN ST  
FARMINGTON, CT 06032-9998  
(800)275-8777

07/28/2022

03:42 PM

Product	Qty	Unit Price	Price
Prepaid Mail	1		\$0.00
West Henrietta, NY 14586			
Weight: 0 lb 2.00 oz			
Acceptance Date:			
Thu 07/28/2022			
Tracking #:			
9405 5036 9930 0308 5433 52			
Prepaid Mail	1		\$0.00
Old Lyme, CT 06371			
Weight: 0 lb 6.40 oz			
Acceptance Date:			
Thu 07/28/2022			
Tracking #:			
9405 5036 9930 0308 5433 45			
Prepaid Mail	1		\$0.00
Old Lyme, CT 06371			
Weight: 0 lb 6.40 oz			
Acceptance Date:			
Thu 07/28/2022			
Tracking #:			
9405 5036 9930 0308 5433 38			

Grand Total: \$0.00

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Clerk: 77