

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 720 Thompson Road, Thompson, CT 06277

> Latitude: 41.97774 Longitude: -71.84654

T-Mobile Site#: CT11160B _NHP

Dear Ms. Bachman:

T-Mobile currently maintains six (6) antennas at the 143-foot mount on the existing 156-foot monopole tower located at 720 Thompson Road in Thompson. The property and tower are owned by Crown Castle. T-Mobile now intends to add a 48Kw generator on a new 10'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) 10'x4' concrete pad



The facility was approved by the Town of Thompson on March 26, 1998 and the building permit was issues on April 2, 1998 (Permit # 7321). 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 Amy St.Onge, First Selectman, and Cynthia Dunne, Zoning Enforcement Officer. 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 Masse

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

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

Email: victoria@northeastsitesolutions.com



Attachments cc:

Amy St.Onge, First Selectman 815 Riverside Drive North Grosvenor Dale, CT 06255

Cynthia Dunne, Zoning Enforcement Officer 815 Riverside Drive North Grosvenor Dale, CT 06255

Crown Castle – as the property and tower owner

Exhibit A

Badawi, Nesmet (Contractor)

From: ZEO@thompsonct.org

Sent: Wednesday, February 6, 2019 10:22 AM

To: Badawi, Nesmet (Contractor)

Subject: 720 Thompson Rd

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

In response to your inquiry at 720 Thompson Rd, I found the following information:

Certificate of Zoning Permit:

03/26/98 - Re: Omnipoint Telecommunications

08/17/99 - Co-Location on existing Tower- revised 11/04/99

11/03/99 - Co-locating an existing Moro-Pole Antenna by Nexter Communications

11/14/05 - no notation on zoning permit, but building permit states Reinforcing Existing Telecommunication Ground Plate.

If I can be of further assistance please call me at 860-923-9475, my office hours are Mon, Wed and Fri 9 am to 2 pm.

Cindy Dunne

ZEO Town of Thompson 860-923-9475 zeo@thompsonct.org Office Hours Mon, Wed, and Fri 9 am to 2 pm

BUILDING PERMIT Town of Thompson NO. 7324

Issued To Omnipoint Communications

For 140 Ft. Monopole Tower

Street-Road 720 Thompson Rd

Date 4-2-98 Dept. of Building Inspection

THIS CARD MUST BE CONSPICUOUSLY DISPLAYED AT ALL TIMES DURING THE PROGRESS OF OPERATIONS.

Exhibit B

720 THOMPSON RD

Location 720 THOMPSON RD

Mblu 120/30/14/1/

Acct# 005601

Owner NUTMEG REALTY II LLC

Assessment \$239,900

Appraisal \$342,700

PID 3748

Building Count 1

Current Value

	Appraisal				
Valuation Year Improvements Land					
2019	\$126,700	\$216,000	\$342,700		
	Assessment		THE CONTRACTOR OF A CONTRACTOR OF THE CONTRACTOR		
Valuation Year	Improvements	Land	Total		
2019	\$88,700	\$151,200	\$239,900		

Owner of Record

Owner

Address

NUTMEG REALTY II LLC

Co-Owner C/O CROWN CASTLE

PMB 331

4017 WASHINGTON RD

MCMURRAY, PA 15317

Sale Price

\$1,350,000

Certificate

Book & Page 0929/0247

Sale Date

01/24/2019

Instrument

25

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
NUTMEG REALTY II LLC	\$1,350,000		0929/0247	25	01/24/2019
MELROSE ASSOCIATION LIMITED PART	\$0		0163/0152		11/03/1983

Building Information

Building 1: Section 1

Year Built:

Living Area:

0

Replacement Cost:

\$0

Building Percent Good:

Replacement Cost Less Depreciation: **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 FIr 2 Heat Fuel Heat Type: AC Type: Total Bedrooms: Total Bthrms: Total Half Baths: Total Xtra Fixtrs:

Building Photo



(https://images.vgsi.com/photos/ThompsonCTPhotos//\00\00\37/28.jpg)

Building Layout

Building Layout

(https://images.vgsi.com/photos/ThompsonCTPhotos//Sketches/3748_374

Building Sub-Areas (sq ft)

No Data for Building Sub-Areas

Extra Features

Total Rooms:

Bath Style:

Kitchen Style:

Extra Features

<u>Legend</u>

Legend

No Data for Extra Features

Land

1 -	1	
ıа	na	 SE

Use Code

390A

Description

DEVEL LAND MDL-00

Zone

IND

Neighborhood

Alt Land Appr No

Category

Land Line Valuation

Size (Acres)

0

Frontage

0

Depth

0

Assessed Value

\$151,200

Appraised Value

\$216,000

Outbuildings

		C	Outbuildings			Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg#
TWR2	MONOPOLE			140 HEIGHT	\$113,400	1
FN5	FENCE-10'CHAIN		Mark Transit Marks and Constitution (Mark Mark Mark Mark Mark Mark Mark Mark	400 L.F.	\$13,300	1

Valuation History

Appraisal					
Valuation Year	Improvements	Land	Total		
2018	\$135,800	\$200,000	\$335,800		
2017	\$135,800	\$200,000	\$335,800		
2016	\$135,800	\$200,000	\$335,800		

Assessment					
Valuation Year	Improvements	Land	Total \$235,100		
2018	\$95,100	\$140,000			
2017	\$95,100	\$140,000	\$235,100		
2016	\$95,100	\$140,000	\$235,100		

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Norampac Thompson

Address: 720 Thompson Rd, Thompson, CT 06277

Phone: (860) 923-9563

Website: http://cascades.com/

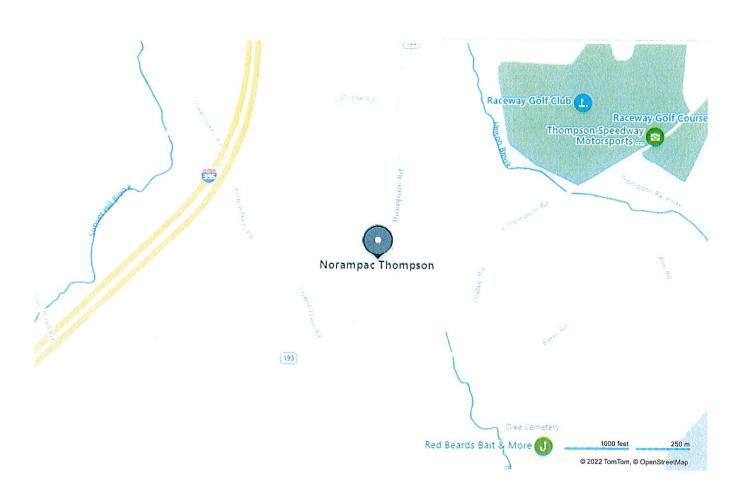


Exhibit C

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:

MECHANICAL 2017 IMC 2017 NEC ELECTRICAL.



GENERAL NOTES

OCCUPANCY CLASSIFICATION:

TYPE OF CONSTRUCTION:

A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION

PLUMBING REQUIREMENTS: FACILITY HAS NO SANITARY OR POTABLE WATER.

SITE NAME:

THOMPSON/ $I-395 \times 99_1$

SITE NUMBER:

CT11160B

SITE ADDRESS:

720 THOMPSON RD THOMPSON, CT 06277

SCOPE OF WORK

SCOPE OF WORK:

- INSTALL (1) NEW 10'-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

PROJECT INFORMATION

-71° 50' 47.5" W

720 THOMPSON RD THOMPSON, CT 06277 SITE ADDRESS:

COUNTY

JURISDICTION: TOWN THOMPSON

LATITUDE:

41° 58′ 39.9″ N

WINDHAM

LONGITUDE: PARCEL/APN #

120-30-14

ZONING

621 FT

GROUND ELEVATION:

MONOPOLE 156'-2"

IND

TOWER HEIGHT

TOWER TYPE:

PROPERTY OWNER:

APPLICANT:

T-MOBILE 35 GRIFFIN ROAD BLOOMFIELD, CT 06002

ENGINEER:

TRYLON TSF 1825 W. WALNUT HILL LANE, SUITE 302

IRVING, TX 75038 MIKE MOORE

MIKE.MOORE@TRYLON.COM

PROJECT MANAGER: NORTHEAST SITE SOLUTIONS

420 MAIN STREET, BLDG 4

STURBRIDGE, MA 01566 FRIC PROLILX EPROULX@NORTHEASTSITESOLUTIONS.COM

CONTACT: EMAIL:

CONTACT:

FMAII:

SHEET INDEX

SHEET #	DESCRIPTION	REVISION #
T-1	TITLE SHEET	0
T-2	GENERAL NOTES	0
C-1.1	OVERALL SITE PLAN	0
C-1.2	EXISTING PLAN	0
C-1.3	PROPOSED PLAN	0
C-2	GENERATOR SPECS	0
C-3	CONCRETE PAD SPEC	0
S-1	DETAIL	0
E-1	AC PANEL SCHEDULES & ONE LINE DIAGRAM	0
G-1	GROUNDING DETAILS	0



35 GRIFFIN ROAD BLOOMFIELD, CT 06002





T-MOBILE SITE NUMBER: CT11160B

720 THOMPSON RD THOMPSON, CT 06277

EXISTING 156'-2" MONOPOLE

ISSUED FOR:					
REV	DATE	DRWN	DESCRIPTION	DES./Q	
Α	06/29/22	DIN	PRELIMINARY	EAN	
0	07/26/22	CP	ISSUE FOR CONSTRUCTION	EAN	



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: T-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.

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 WEATHER 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 C 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 CONSTRUCTIONS.

A. PHOTO

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.

I SITE CONTRO

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 AT NO EXPENSE TO THIMOSILE.

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

2. SITE PREPARATION

A. SCOPE OF WORK INCLUDES

 PROTECTION OF EXISTING TREES, VEGETATION AND LANDSCAPING MATERIALS WHICH MIGHT BE DAMAGED BY CONSTRUCTION ACTIVITIES.
 TRIMMING OF EXISTING TREES AND VEGETATION AS REQUIRED FOR PROTECTION DURING CONSTRUCTION ACTIVITIES.

RUBBISH, DESIGNATED TREES AND SITE IMPROVEMENTS.

4. TOPSOIL STRIPPING AND STOCKPILING

CONTROL CONFORMING TO LOCAL REQUIREMENTS AS APPLICABLE.

6. TEMPORARY PROTECTION OF ADJACENT PROPERTY, STRUCTURES,

PRICHMARKS AND MONIMENTS.

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, SUITATION CONTROL AND DUST CONTROL

3 FARTHWORK

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 FOI SLABS, PAVEMENT AND IMPROVEMENTS.

3. ROCK EXCAVATION WITHOUT BLASTING.

4. SUPPLY OF ADDITIONAL MATERIALS FOR OFFSITE AS REQUIRE 5. REMOVAL AND LEGDK DISPOSAL OF EXCAVATED MATERIAL AS

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 ½ INCH.

3. GRADING TOLERANCES FOR FILL UNDER CONCRETE APPLICATIONS

A PLUS OR MINUS ¼ INCH MEASURED WITH 10 FOOT STRAIGHT

C PRODUCTS AND MATERIALS (AS APPROVED BY CONSTRUCTION

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

OR 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 GRUBBIN

 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.

F 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.

C EMBANKMEN

 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 BROUGH 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

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 THE FINISH OPAGE LINES.

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

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 TH CONSTRUCTION MANAGER.

2. GRADE SURFACES TO DRAIN AND ELIMINATE ANY PONDING OR

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

SUBGRADE PREPARATION

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

MAINTAIN TOP OF SUBGRADE IN A FREE—DRAINING CONDITION.
 DO NOT STOCK PILE 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

J. GEOTEXTILE FABRIC

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

K. GRAVEL SURFACIN

 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. LANDSCAPIN

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 $\frac{3}{4}$ INCH BY $\frac{3}{4}$ 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 REQUIREMENT

4. GENERAL NOTES

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 INTERRIPTED.

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 FVEN—TEXTLERD SUBPRACE

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.

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.

OR THE OWNER'S REPRESENTATIVE.

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

 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' REPRESENTATIVE.

7. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS.
8. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE OWNER OR OWNER'S REPRESENTATIVE. SHALL BE REPLACED.

. ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH OSHA REGULATIONS FOR CONSTRUCTION.

10. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK

11. ALL UTILITY WORK INVOLVING CONNECTIONS TO EXISTING SYSTEMS SHALL BE COORDINATED WITH THE OWNER OR OWNER'S REPRESENTATIVE BEFORE EACH AND EVERY CONNECTION TO EXISTING SYSTEMS IS MADE.

12. MAINTAIN FLOW FOR ALL EXISTING UTILITIES

3. ALL SITE FILL SHALL MEET SELECTED FILL STANDARDS AS DEFINED BY THE OWNER OF OWNER'S REPRESENTATIVE ON THE DRAWINGS OF CENTECLINAL PERPET RECOMMENDATIONS.

14. CONTRACTOR TO GRADE ALL AREAS OF THE SITE TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING OR EQUIPMENT PAD AND THE TOWER

15. IF NECESSARY, THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND REGRADING ROADWAY AND ANY DISTURBED AREAS FOLLOWING INSTALLATION OF UTILITIES.

16. NO COMMERCIAL MESSAGES TO BE DISPLAYED ON TOWER 17. WATER AND SEWER SERVICES ARE NOT REQUIRED FOR THE

DEVELOPMENT

18. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIAL SECTION OF THE PROPERTY OF THE PROPERTY

 ELECTRICAL DRAWINGS HAVE BEEN REVIEWED AND SEALED FOR STRUCTURAL PURPOSES ONLY.

SITE LEGENDS

SYMBOLS & MATERIAL



DETAIL REFERENCE



ELEVATION REFERENCE



SECTION REFERENCE



35 GRIFFIN ROAD BLOOMFIELD, CT 06002



203-275-6669



T-MOBILE SITE NUMBER: **CT11160B**

720 THOMPSON RD THOMPSON, CT 06277

EXISTING 156'-2" MONOPOLE

ISSUED FOR:					
REV	DATE	DRWN	DESCRIPTION	DES./Q	
Α	06/29/22	DIN	PRELIMINARY	EAN	
0	07/26/22	CP	ISSUE FOR CONSTRUCTION	EAN	
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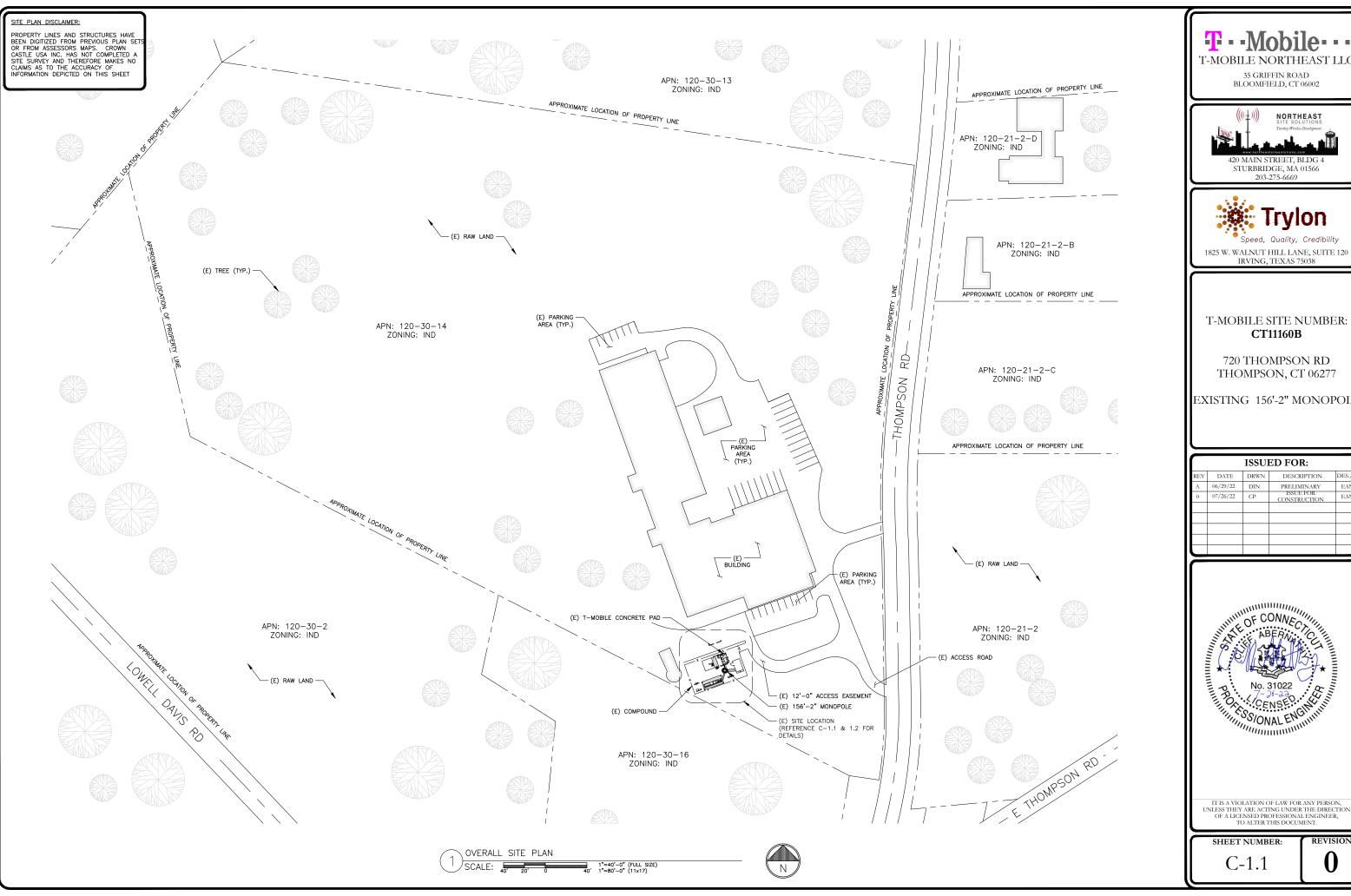


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SHEET NUMBER:

T-2

0









T-MOBILE SITE NUMBER: CT11160B

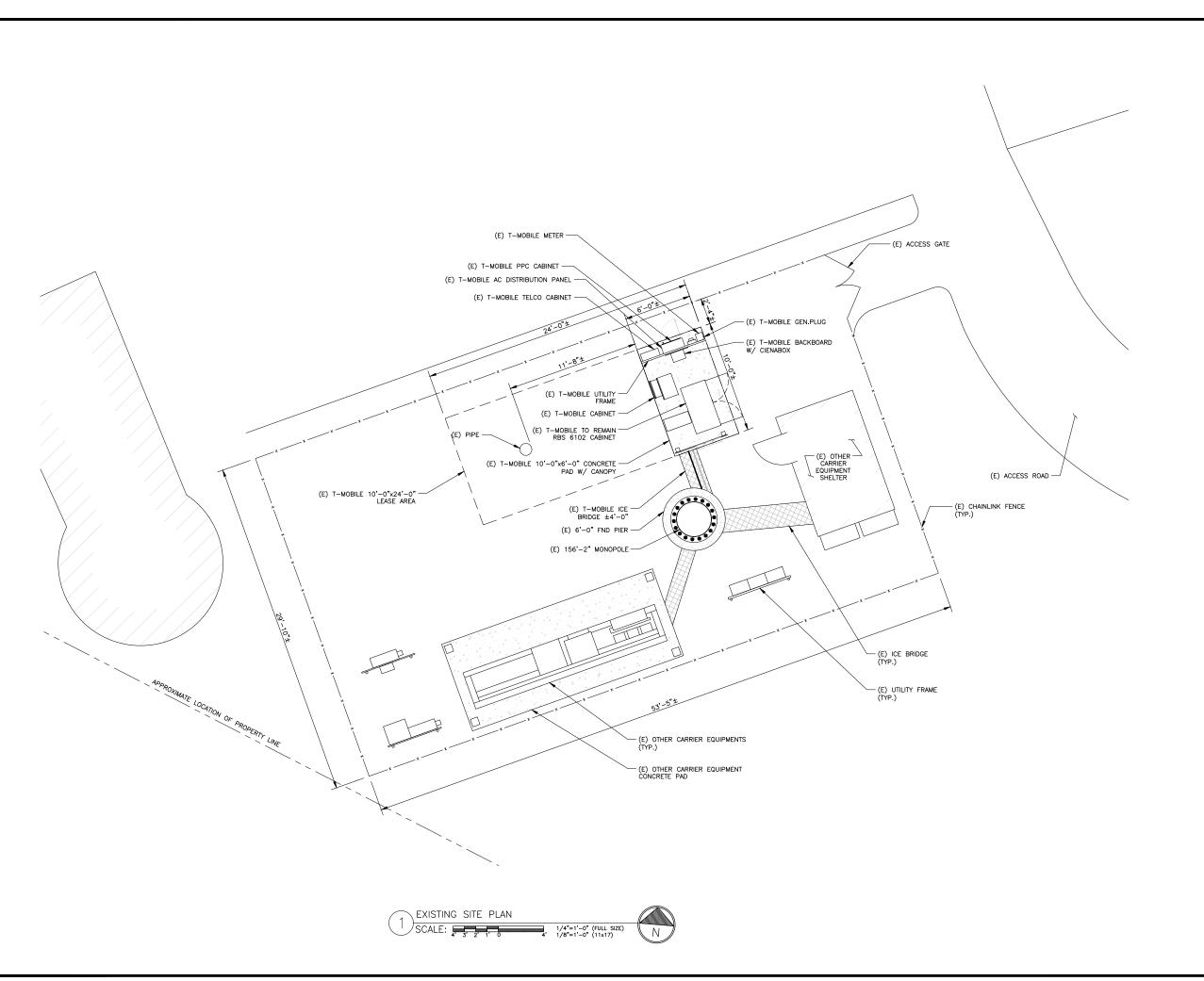
720 THOMPSON RD THOMPSON, CT 06277

EXISTING 156'-2" MONOPOLE

	ISSUED FOR:						
REV	DATE	DRWN	DESCRIPTION	DES./QA			
Α	06/29/22	DIN	PRELIMINARY	EAN			
0	07/26/22	CP	ISSUE FOR CONSTRUCTION	EAN			



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T-MOBILE SITE NUMBER: **CT11160B**

720 THOMPSON RD THOMPSON, CT 06277

EXISTING 156'-2" MONOPOLE

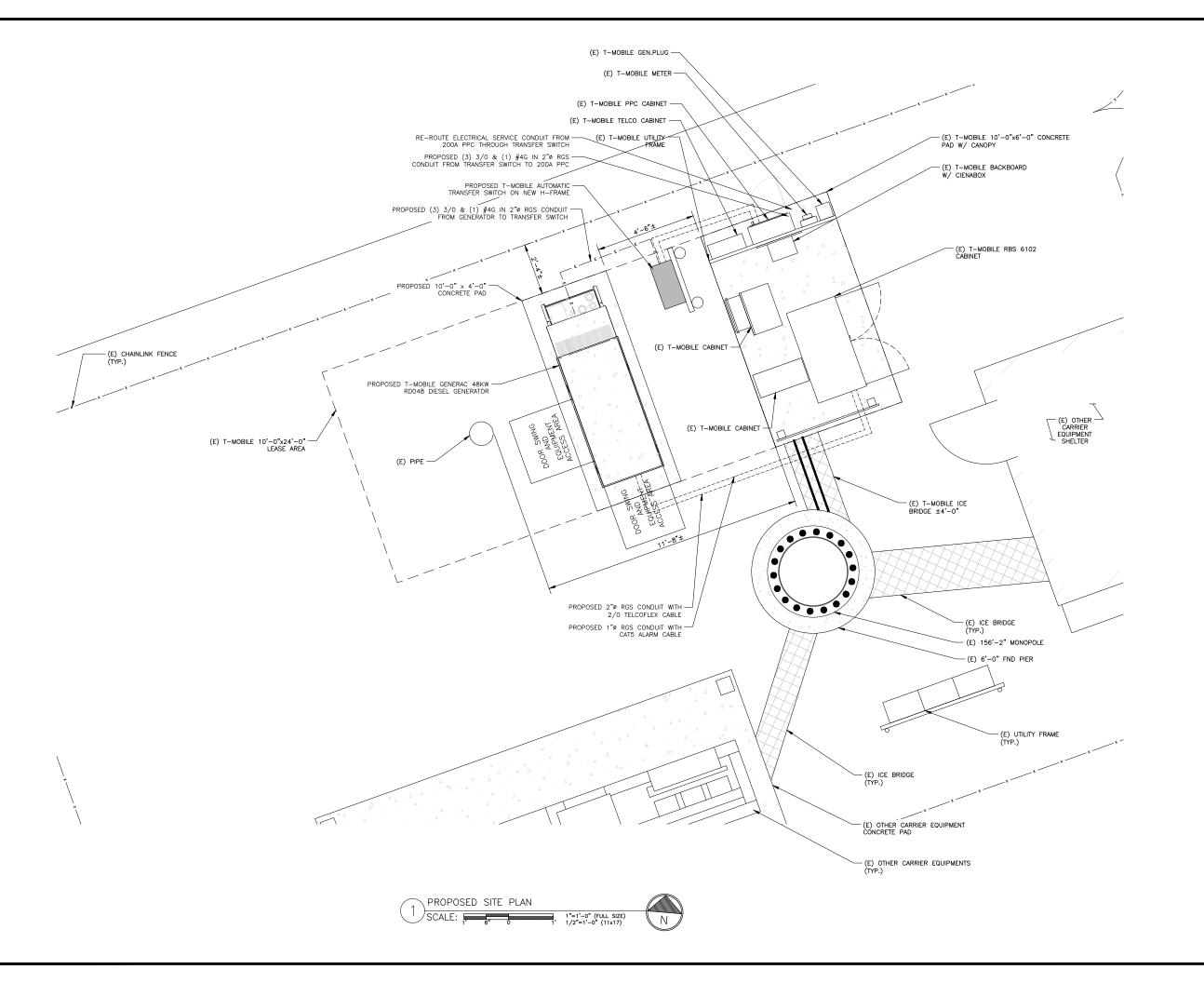
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REV	DATE	DRWN	DESCRIPTION	DES./QA		
Α	06/29/22	DIN	PRELIMINARY	EAN		
0	07/26/22	CP	ISSUE FOR CONSTRUCTION	EAN		



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SHEET NUMBER:

C-1.2









T-MOBILE SITE NUMBER: **CT11160B**

720 THOMPSON RD THOMPSON, CT 06277

EXISTING 156'-2" MONOPOLE

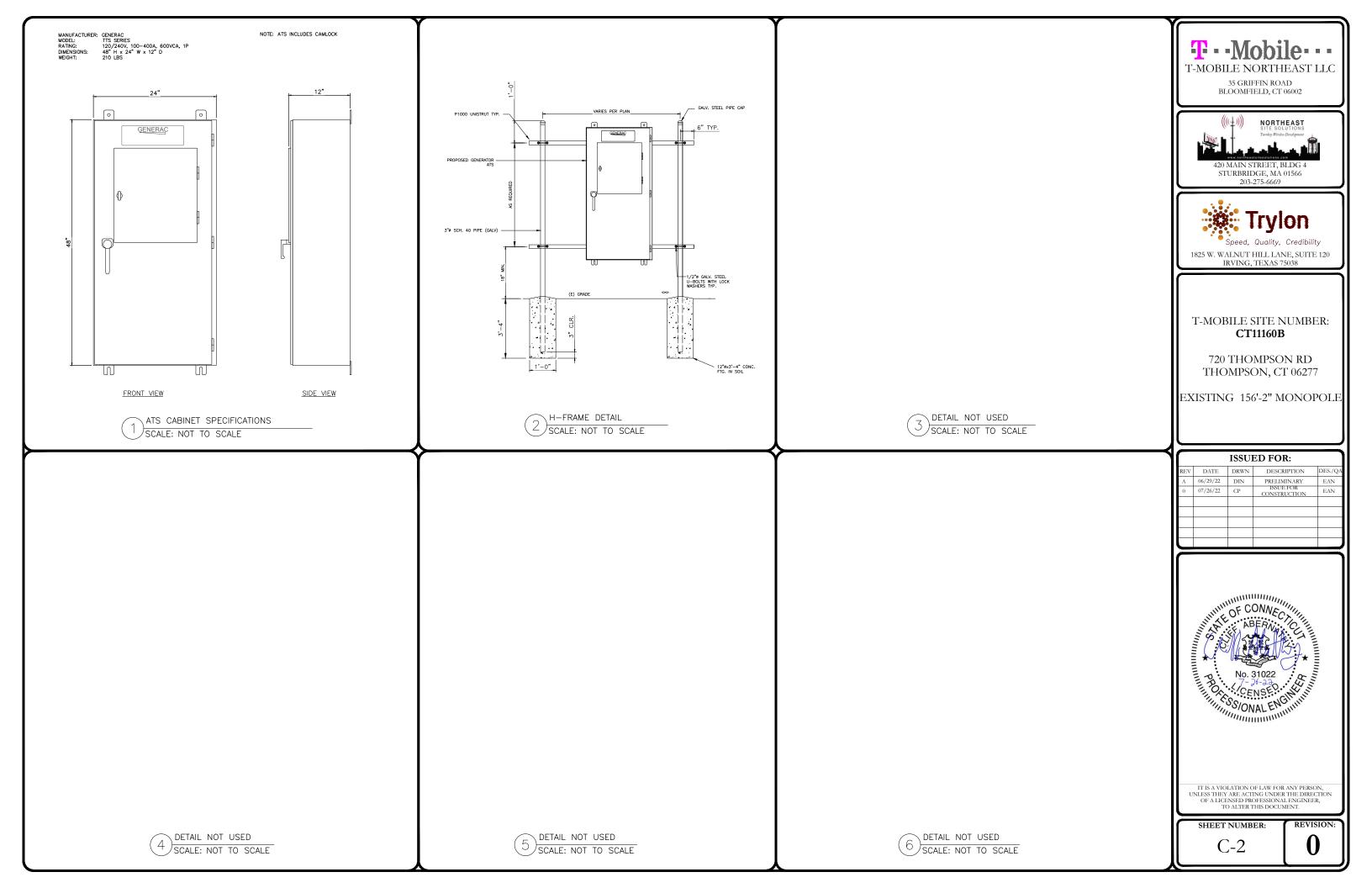
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SHEET NUMBER:

C-1.3



GENERAC' INDUSTRIAL POWER

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

Standby Power Rating 48 kW, 60 kVA, 60 Hz





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 J134



NFPA 37, 70, 99



ISO 3046, 8528, 9001



NEMA ICS1, ICS10, MG1, 250, ICS6,



ANSI/IEEE C62.41

Powering Ahead

For over 50 years, Generac has led the industry with innovative design and superior manufacturing.

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

Generac's gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

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

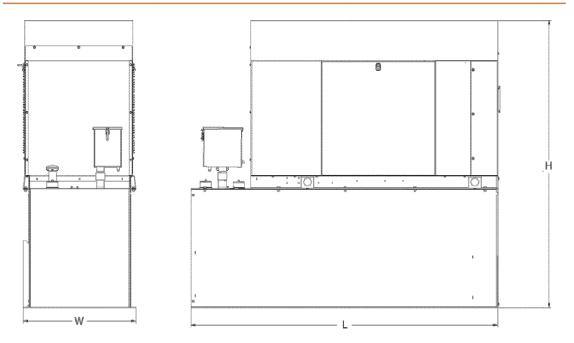
Generac is committed to ensuring our customers' service support continues after their generator purchase.

RD048 | 3.4L | 48 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

DIMENSIONS AND WEIGHTS*



ENCLOUSED 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		ALER	

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

Generac Power Systems, Inc. | P.O.Box 8 | Waukesha, WI 53189

P: (262) 544-4811 ©2018 Generac Power Systems, Inc. All rights reserved. All specifications are subject to change without notice.

Part No 10000032700 Rev. B 04/06/18

GENERAC | INDUSTRIAL

T-Mobile - T-MOBILE NORTHEAST LLC

35 GRIFFIN ROAD
BLOOMFIELD, CT 06002



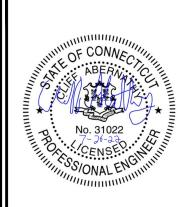


T-MOBILE SITE NUMBER: **CT11160B**

720 THOMPSON RD THOMPSON, CT 06277

EXISTING 156'-2" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
Α	06/29/22	DIN	PRELIMINARY	EAN
0	07/26/22	CP	ISSUE FOR CONSTRUCTION	EAN



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SHEET NUMBER:

C-3

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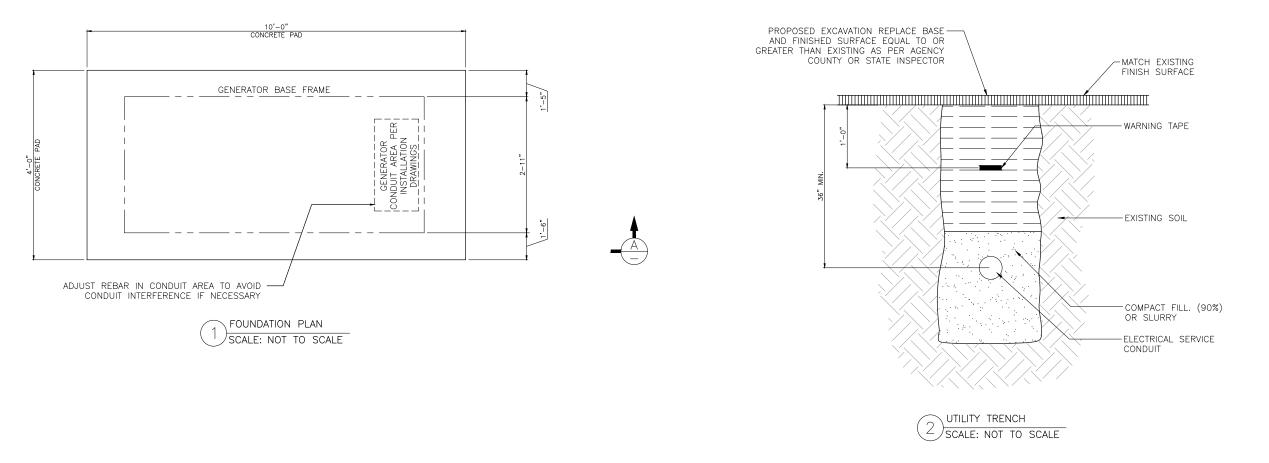
REVISION:

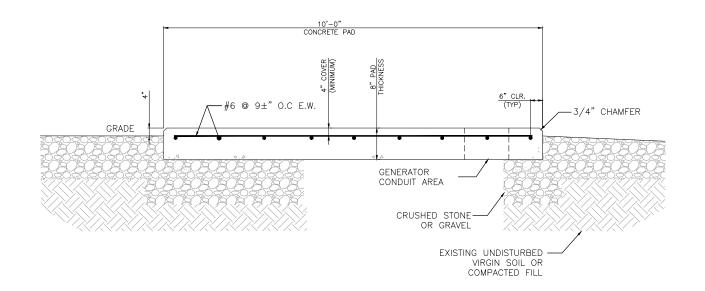
GENERATOR SPECIFICATIONS
SCALE: NOT TO SCALE

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
- 2. MINIMUM ALLOWABLE CONCRETE COMPRESSIVE STRENGTH SHALL BE 2500 PSI AT 28 DAYS WHEN TESTED IN ACCORDANCE WITH THE
- 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

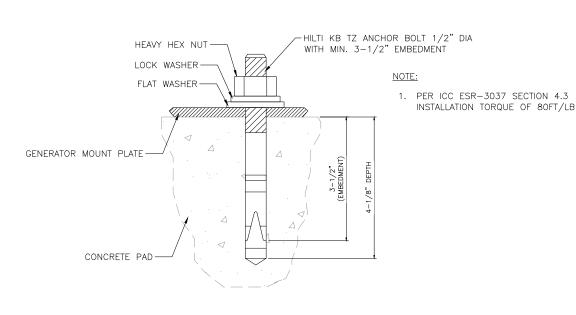
 SECURED IN POSITION. LOCATION OF REINFORCEMENT SHALL BE CONFORM TO ASTM A185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "8" AND ALL HOOKS SHALL BE STANDARD, UNLESS NOTED OTHERWISE.
- DETAILING SHALL BE IN ACCORDANCE WITH MANUAL OF STANDARD PRACTICE OF DETAILING REINFORCED CONCRETE STRUCTURES (ACI
- WITH ACI 301 SECTION 4.2.2. UNLESS OTHERWISE NOTED.
 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.
- TOP OF FOUNDATION TO HAVE A "BRUSH FINISH"
- EXPOSED FINISHED SURFACE IS NOT TO HOLD WATER.
- ALL SURFACES ARE TO BE CLEANED OF ANY RESIDUAL CONCRETE FROM SPLASHING OR SPILLS.





SECTION A-A

SCALE: NOT TO SCALE



ANCHOR BOLT DETAIL SCALE: NOT TO SCALE







T-MOBILE SITE NUMBER: CT11160B

720 THOMPSON RD THOMPSON, CT 06277

EXISTING 156'-2" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
Α	06/29/22	DIN	PRELIMINARY	EAN
0	07/26/22	CP	ISSUE FOR CONSTRUCTION	EAN

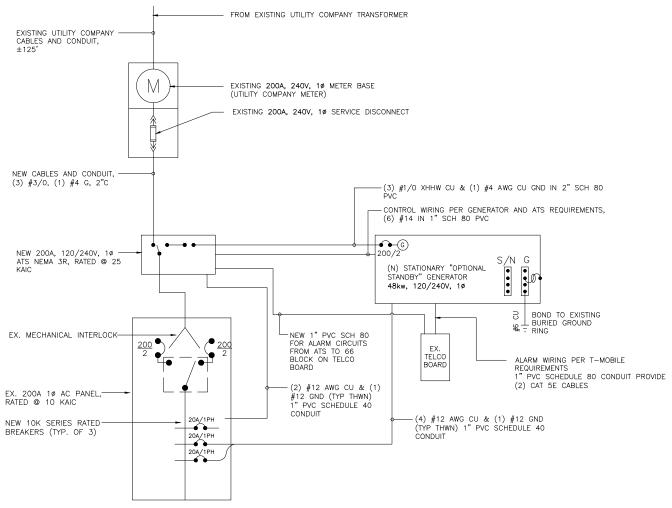


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SHEET NUMBER:

S-1

PENDING





35 GRIFFIN ROAD BLOOMFIELD, CT 06002



203-275-6669

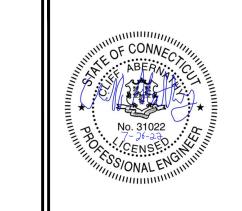
Speed, Quality, Credibility
1825 W. WALNUT HILL LANE, SUITE 120
IRVING, TEXAS 75038

T-MOBILE SITE NUMBER: **CT11160B**

720 THOMPSON RD THOMPSON, CT 06277

EXISTING 156'-2" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./Q/
Α	06/29/22	DIN	PRELIMINARY	EAN
0	07/26/22	CP	ISSUE FOR CONSTRUCTION	EAN



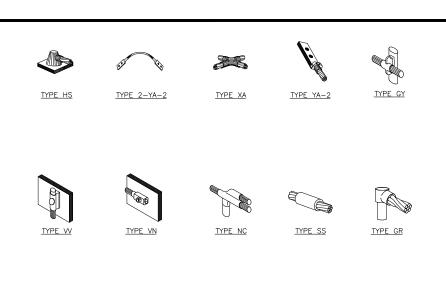
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SHEET NUMBER:

E-1

REVISION:

ONE LINE DIAGRAM
SCALE: NOT TO SCALE















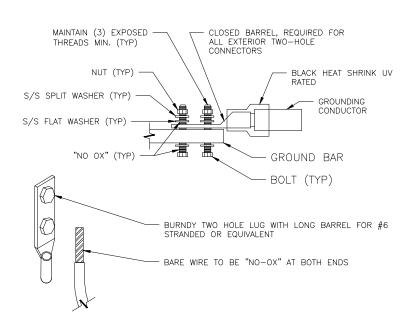
MOLDS TO BE USED FOR THIS PROJECT.

2. MOLD TYPE ONLY TO BE USED BELOW GRADE WHEN CONNECTING GROUND RING TO GROUND ROD.

CADWELD GROUNDING CONNECTIONS SCALE: NOT TO SCALE

1. ERICO EXOTHERMIC "MOLD TYPES" SHOWN HERE ARE EXAMPLES. CONSULT WITH CONSTRUCTION MANAGER FOR SPECIFIC

	CONDUIT SCHEDULE				
KEY	DESCRIPTION				
1	1" CONDUIT W/PULLSTRINGS FOR ALARM CABLES (FROM GENERATOR TO BTS)				
2	2" CONDUIT W/PULLSTRING (FROM GENERATOR TO PPC FOR BLOCK HEATER/BATTERY CHARGER))				
3	2" CONDUIT W/ PULLSTRING (FROM ATS TO PPC, FOR POWER FEEDERS)				
4	2" CONDUIT W/ PULLSTRING (FROM GENERATOR TO ATS FOR EMERGENCY POWER FEEDERS)				
5	1" CONDUIT W/ PULLSTRING (FROM GENERATOR TO ATS, FOR CONTROL CABLE)				



NOTES:
1. ALL HARDWARE SHALL BE 18-8
STAINLESS STEEL.
2. COAT ALL SURFACES WITH
ANTIQUIDANT COMPOUND BEFORE ALL EXPOSED EASILY

ACCESSIBLE GROUND BAR SHALL BE TAGGED "DO NOT 4. COAT ALL BARRELS WITH ANTIOXIDANT BEFORE CRIMPING.

> EXTERIOR GROUND BAR LUG SCALE: NOT TO SCALE

NOTES:

- 1. BOND PPC AND EQUIPMENT ENCLOSURES TO BURIED GROUNDING CONDUCTOR. USE A NEMA DRILLING, TWO—HOLE CONNECTOR FOR BONDS TO EQUIPMENT ENCLOSURES; USE AN APPROVED CONDUIT CLAMP FOR CONNECTIONS TO SERVICE CONDUITS. EXOTHERMICALLY WELD CONNECTIONS TO GROUNDING
- 2. BOND ALL EXTERIOR CONDUITS, PIPES, AND CYLINDRICAL METALLIC OBJECTS WITH A PENN-UNION GT SERIES CLAMP, BLACKBURN GUV SERIES CLAMP, OR A BURNDY GAR 3900BU SERIES CLAMP ONLY. NO SUBSTITUTES ACCEPTED.
- 3. AFTER INSTALLATION IS COMPLETED IN CONFORMANCE WITH THESE DRAWINGS AND THE STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL CONFIRM THE IMPEDANCE (GROUND RESISTANCE) TO EARTH AND BETWEEN GROUNDING CIRCUITS. THE GROUNDING SYSTEM IS EXPECTED TO PROVIDE FOR A MAXIMUM EARTH RESISTANCE OF 6 OHMS. THE CONTRACTOR SHALL NOTIFY T-MOBILE PRIOR TO ALL TESTING AND SHALL FURTHER NOTIFY T-MOBILE IN THE EVENT THE EARTH RESISTANCE IS GREATER THAN 5 OHMS.
- 4. ALL GROUNDING INSTALLATION IS TO BE IN ACCORDANCE WITH THE T-MOBILE WIRELESS STANDARDS AND SUPPLEMENTS PROVIDED BY THE PROJECT
- 5. ALL BENDS ON THE GROUND CONDUCTOR TO BE MADE WITH A MINIMUM 24"
- 6. ALL GROUND LEADS MUST TERMINATE AT MGB, NOT HALO.
- 7. MUST USE INSPECTION HOLE LUGS FOR GROUNDING
- 8. NO OVERLAPPING GROUND HARDWARE.
- 9. WHERE MECHANICAL CONNECTIONS ARE USED (TWO HOLE OR CRIMP), APPLY A LIBERAL PROTECTIVE COATING OF A CONDUCTIVE ANTI-OXIDE COMPOUND ON ALL CONNECTORS SUCH AS NO-OX OR APPROVED EQUAL.

GENERAL GROUNDING NOTES SCALE: NOT TO SCALE



EXISTING 156'-2" MONOPOLE

T··Mobile···

T-MOBILE NORTHEAST LLC

35 GRIFFIN ROAD

BLOOMFIELD, CT 06002

420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566

203-275-6669

1825 W. WALNUT HILL LANE, SUITE 120

IRVING, TEXAS 75038

T-MOBILE SITE NUMBER:

CT11160B

NORTHEAST

	IOOLIED EOD				
ISSUED FOR:					
REV	DATE	DRWN	DESCRIPTION	DES./QA	
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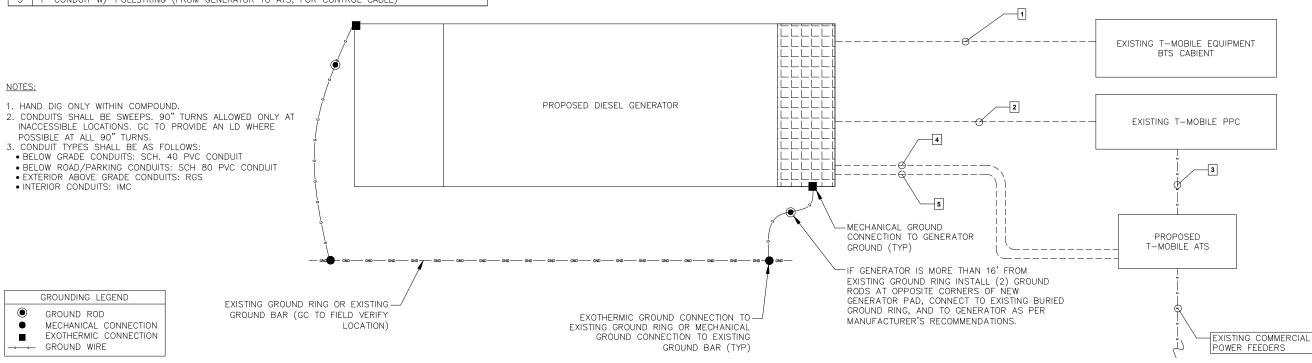


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SHEET NUMBER:

G-1

REVISION:



GENERATOR GROUNDING DETAIL

SCALE: NOT TO SCALE

Exhibit D

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency



Standby Power Rating 48 kW, 60 kVA, 60 Hz







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



an National Standards Institute ANSI/IEEE C62.41

Powering Ahead

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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

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

GENERAC

Sound Attenuated Aluminum Enclosure

INDUSTRIAL

- 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

- O Paint Kit
- O Scheduled Maintance Kit

CONTROL SYSTEM

○ Mobile Link TM and Adapter Kit

TANKS

- O Spill Box
- O 90% Fuel Alarm
- Tank Risers
- O Spill Box Drainback Kit
- O Vent Extension Support Kit
- 5 Day Run Time Tank
- Overfill Prevention Valve
- O 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
Туре	In-Line

Туре	In-Line	
Displacement - in ³ (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	

Cast Iron OHV

Piston Type	Aluminum

Engine Governing

Cylinder Head

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	Н
Insulation Class - Stator	Н
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



OPERATING DATA

POWER RATINGS

Standby

Single-Phase 120/480 VAC @0.1pf

48 kW

Amps: 200

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)	ft³/min (m³/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% fo	r every 1000 ft over 3000 ft
Maximum Radiator Backpressure	in H ₂ O (kPa)	0.50 (0.12)

COMBUSTION AIR REQUIREMENTS

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

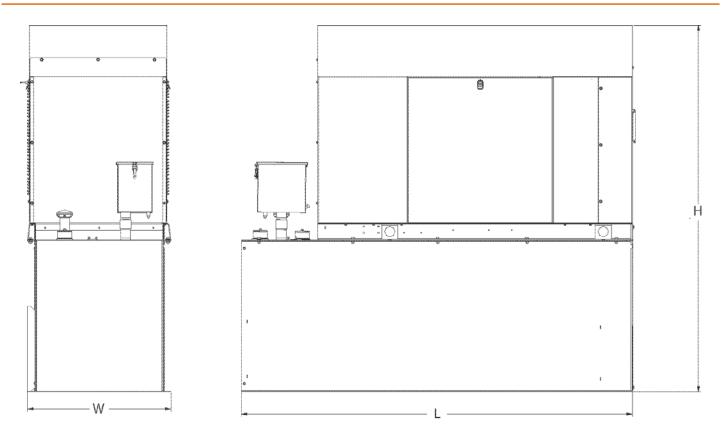
ENGINE			EXHAUST		
		Standby			Standby
Rated Engine Speed	rpm	1,800	Exhaust Flow (Rated Output)	ft ³ /min (m ³ /min)	448 (12.7)
Horsepower at rated kW	HP	85	Exhaust Temp (Rated Output - Post Silencer)	°F (°C)	1120 (604.4)

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



DIMENSIONS AND WEIGHTS*



ENCLOUSED UNIT with 48hour Tank

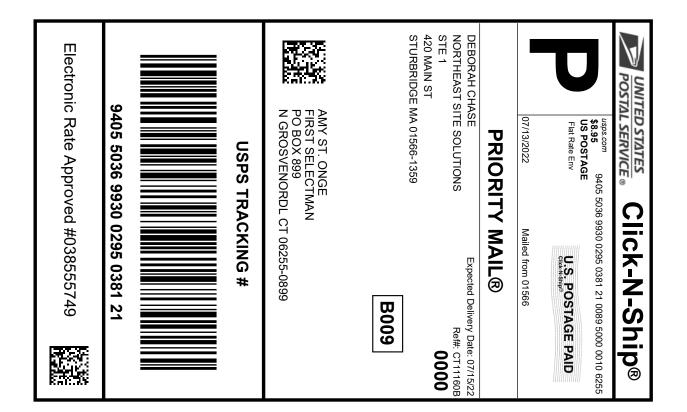
L x W x H in (mm)	95.4 (2,422) x 35.0 (880) x 89.3 (2,269)
Sound output in dB(A) at 23ft with generator operating at normal Load	65

* 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





Cut on dotted line.

Instructions

- 1. Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO **COPY OR ALTER LABEL.**
- 2. Place your label so it does not wrap around the edge of the package.
- 3. Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.
- 4. To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.
- 5. Mail your package on the "Ship Date" you selected when creating this label.

Click-N-Ship® Label Record

USPS TRACKING #: 9405 5036 9930 0295 0381 21

Trans. #: 567466769 Print Date: 07/13/2022 07/13/2022 07/15/2022 Delivery Date:

Priority Mail® Postage: Total:

\$8.95 \$8.95

Ref#: CT11160B

From: **DEBORAH CHASE**

NORTHEAST SITE SOLUTIONS

STE 1

420 MAIN ST

STURBRIDGE MA 01566-1359

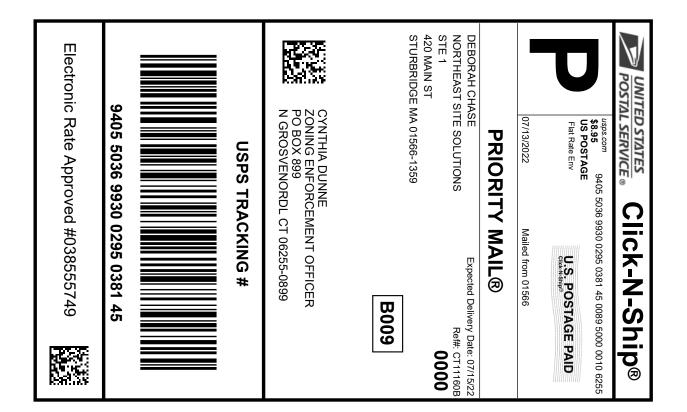
AMY ST. ONGE

FIRST SELECTMAN

PO BOX 899

N GROSVENORDL CT 06255-0899

* 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.





Cut on dotted line.

Instructions

- 1. Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO **COPY OR ALTER LABEL.**
- 2. Place your label so it does not wrap around the edge of the package.
- 3. Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.
- 4. To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.
- 5. Mail your package on the "Ship Date" you selected when creating this label.

Click-N-Ship® Label Record

USPS TRACKING #: 9405 5036 9930 0295 0381 45

Trans. #: 567466769 Print Date: 07/13/2022 07/13/2022 07/15/2022 Delivery Date:

Priority Mail® Postage: Total:

\$8.95 \$8.95

From: **DEBORAH CHASE**

Ref#: CT11160B NORTHEAST SITE SOLUTIONS

STE 1

420 MAIN ST

STURBRIDGE MA 01566-1359

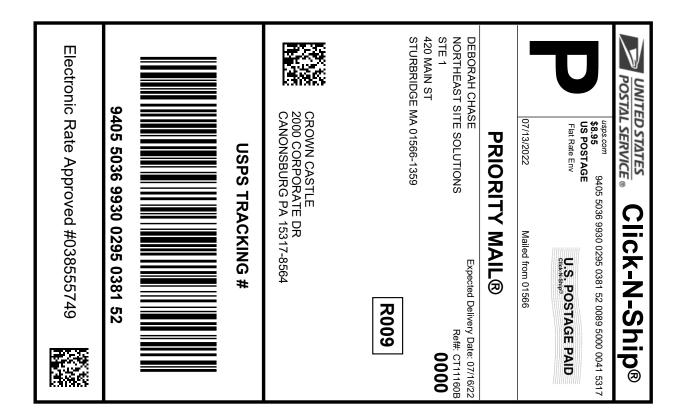
CYNTHIA DUNNE

ZONING ENFORCEMENT OFFICER

PO BOX 899

N GROSVENORDL CT 06255-0899

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.





Cut on dotted line.

Instructions

- 1. Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO **COPY OR ALTER LABEL.**
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- 5. Mail your package on the "Ship Date" you selected when creating this label.

Click-N-Ship® Label Record

USPS TRACKING #: 9405 5036 9930 0295 0381 52

Trans. #: 567466769 Print Date: 07/13/2022 07/13/2022 07/16/2022 Delivery Date:

Priority Mail® Postage: \$8.95 Total: \$8.95

From: **DEBORAH CHASE** Ref#: CT11160B

NORTHEAST SITE SOLUTIONS

STE 1

420 MAIN ST

STURBRIDGE MA 01566-1359

CROWN CASTLE

2000 CORPORATE DR

CANONSBURG PA 15317-8564

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.

CTIII60B



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

07/28/2022 03:43 PM

Product Qty Unit Price Price

Prepaid Mail 1 \$0.00

Canonsburg, PA 15317
Weight: 0 lb 2.00 oz
Acceptance Date:
Thu 07/28/2022

Tracking #: 9405 5036 9930 0295 0381 52

\$0.00

\$0.00

Prepaid Mail 1
North Grosvenordale, CT 06255
Weight: 0 lb 6.70 oz
Acceptance Date:
Thu 07/28/2022

Tracking #: 9405 5036 9930 0295 0381 21
Prepaid Mail 1

North Grosvenordale, CT 06255 Weight: 0 lb 6.70 oz Acceptance Date: __Thu 07/28/2022

170 07/28/2022 Tracking #: 9405 5036 9930 0295 0381 45

Grand Total: \$0.00

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or call 1 800 410 7420.

UFN: 082618-0132

Receipt #: 840-50600020-2-5664263-1