



NSS

NORTHEAST
SITE SOLUTIONS

Turnkey Wireless Development

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

August 29, 2023

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

RE: Request to Amend Existing Approval
North Street (901 France Street), Rocky Hill CT 06067
Latitude: 41.63972 N
Longitude: -72.7025 W
Site#: CTHA090A _NHP

Dear Ms. Bachman:

T-Mobile received approval to install one (1) 48KW diesel generator on a new 9'x4' concrete pad within the existing compound under the Exempt Modification approval EM-T-MOBILE-119-221017. Due to a redesign T-Mobile is now proposing to extend their existing concrete pad to fit the new generator next to the existing cabinets. Attached are the revised Construction Drawings for your review and approval. No other changes were made, and all proposed equipment is the same. Please accept this as our notice to amend the Exempt Modification approval that was approved on November 14, 2022. Please let us know if anything else is required to proceed. Thank you.

Sincerely,

Victoria Masse
Mobile: 860-306-2326
Fax: 413-521-0558
Office: 420 Main Street, Unit 2, Sturbridge MA 01566
Email: victoria@northeastsitesolutions.com



T-MOBILE NORTHEAST LLC

UPGRADE:
GENERATOR ADD

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

NORTHEAST
SITE SOLUTIONS
Turnkey Wireless Deployment
420 MAIN STREET, BLDG 4
STURBRIDGE, MA 01566
203-275-6669

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

LOCATION MAP



SITE NAME:

HA090/CROWN/RIVERSIDE FARM

SITE NUMBER:
CTHA090A

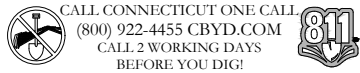
SITE ADDRESS:
NORTH STREET
ROCKY HILL, CT 06067

PROJECT INFORMATION

SITE ADDRESS:	NORTH STREET ROCKY HILL, CT 06067
COUNTY	HARTFORD
JURISDICTION:	CONNECTICUT SITING COUNCIL
LATITUDE:	41° 38' 23.2" N
LONGITUDE:	72° 42' 03.9" W
PARCEL/APN #	09003119-15-181
ZONING	R-40
GROUND ELEVATION:	178 FT
TOWER TYPE:	MONOPOLE
TOWER HEIGHT	141'-0'
PROPERTY OWNER:	BEVIER FAMILY ENTERPRICES OF CT LLC P.O BOX 265 ROCKY HILL, CT 06067
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
CONTACT: EMAIL:	
PROJECT MANAGER:	NORTHEAST SITE SOLUTIONS 420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 ERIC PROULX EPROULX@NORTHEASTSITESOLUTIONS.COM
CONTACT: EMAIL:	

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	2021 IBC
MECHANICAL	2021 IMC
ELECTRICAL	2020 NEC



SCOPE OF WORK

SCOPE OF WORK:
<ul style="list-style-type: none">INSTALL (1) NEW 10'-0" x 5'-0" CONCRETE PADINSTALL (1) NEW 48KW GENERATORINSTALL (1) NEW ATS ON NEW H-FRAME

APPROVALS

T-MOBILE CONSTRUCTION MANAGER	T-MOBILE RF ENGINEER
LAND USE PLANNER	NETWORK OPERATION
PROPERTY OWNER	CONTRACTOR

SHEET INDEX

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GENERAL NOTES

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

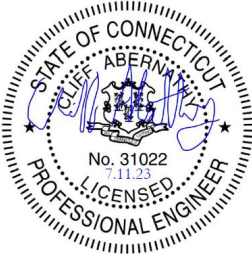
T-MOBILE SITE NUMBER:
CTHA090A

NORTH STREET
ROCKY HILL, CT 06067

EXISTING 141'-0' MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	08/16/2022	HAM	PRELIMINARY	NPS
0	10/05/2022	HAM	FINAL	NPS
1	01/25/2023	KSN	FINAL	NPS
2	07/11/2023	MVF	FINAL	NPS



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

REVISION:
2

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 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 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 ½ INCH.
 3. GRADING TOLERANCES FOR FILL UNDER CONCRETE APPLICATIONS
 - A. PLUS OR MINUS ½ 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% OF 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–DRAINING CONDITION.
3. 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 GRADE AND CROSS SECTION.

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 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 ¾ INCH BY ¾ 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 MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE OWNER OR OWNER’S REPRESENTATIVE, SHALL BE REPLACED.
9. 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
13. ALL SITE FILL SHALL MEET SELECTED FILL STANDARDS AS DEFINED BY THE OWNER OF OWNER’S REPRESENTATIVE ON THE DRAWINGS OR GEOTECHNICAL REPORT 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 UNLESS OTHERWISE NOTED.
19. ELECTRICAL DRAWINGS HAVE BEEN REVIEWED AND SEALED FOR STRUCTURAL PURPOSES ONLY.

SITE LEGENDS

- CENTERLINE
- - - - - PROPERTY/LEASE LINE
- - - - - GROUND CONDUCTOR
- - - - -A- - - - - COAXIAL CABLE
- - - - -X- - - - - CHAIN LINK FENCING
- OVERHEAD TELEPHONE LINE
- OVERHEAD POWER LINE
- E——— POWER RUN
- F/P——— FIBER/POWER RUN
- - - - - TELCO RUN
- T/E——— POWER/TELCO RUN
- GROUNDING CONDUCTOR
- - - - - SPARK ZONE AND WORKING CLEARANCE

SYMBOLS & MATERIAL

 DETAIL REFERENCE

 ELEVATION REFERENCE

 SECTION REFERENCE

T-Mobile
T-MOBILE NORTHEAST LLC

35 GRIFFIN ROAD
BLOOMFIELD, CT 06002



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



Speed, Quality, Credibility

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

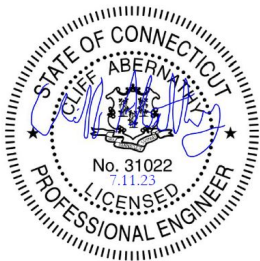
T-MOBILE SITE NUMBER:
CTHA090A

NORTH STREET
ROCKY HILL, CT 06067

EXISTING 141'-0' MONOPOLE

ISSUED FOR:

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UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

SHEET NUMBER:


T-2

REVISION:

2

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:  1" = 100'-0" (FULL SIZE)
1" = 200'-0" (11x17)



**NORTHEAST
SITE SOLUTIONS**
Turnkey Wireless Development

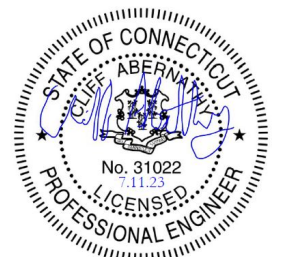
www.northeastitesolutions.com



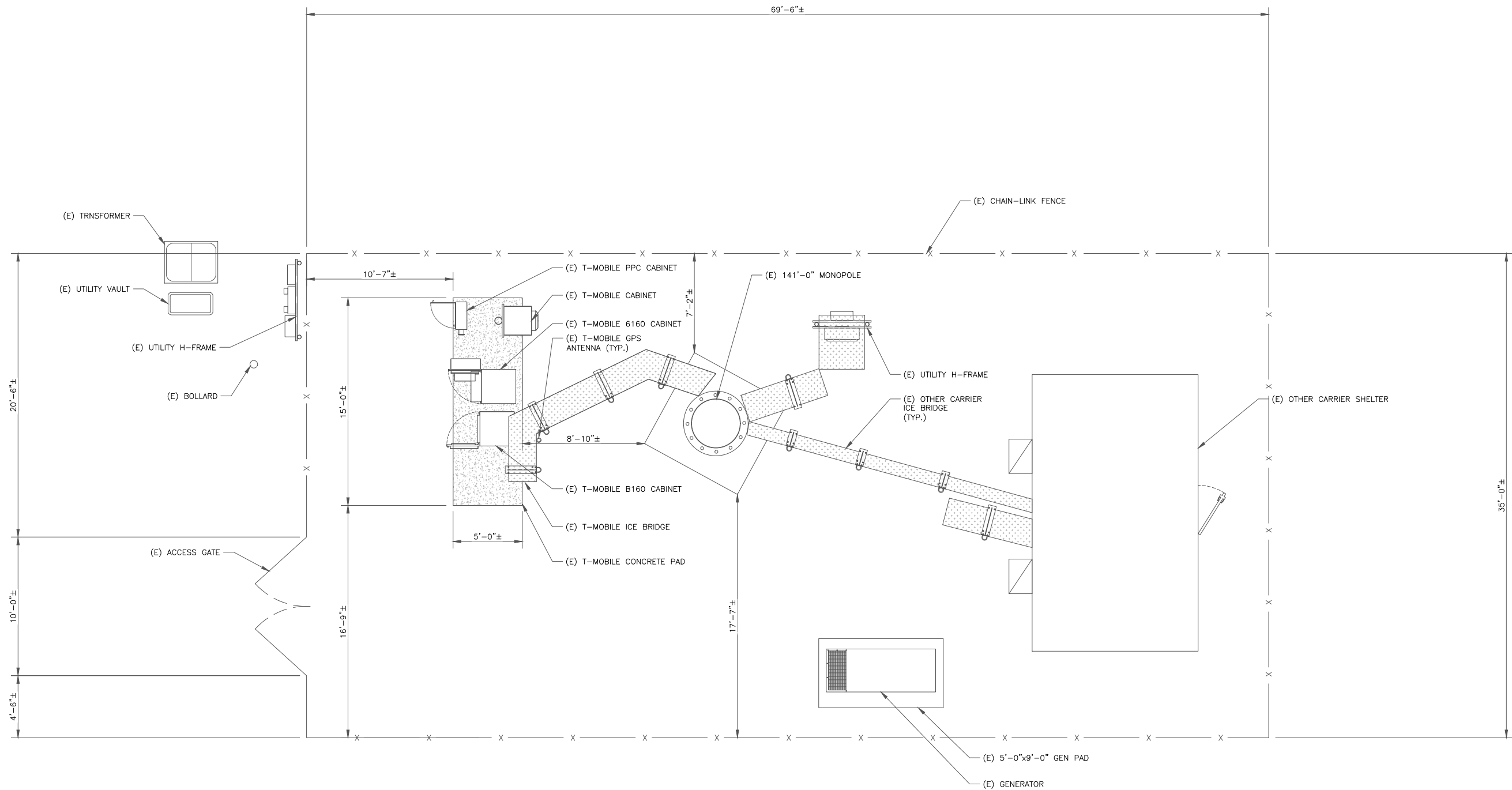
Trylon
Speed, Quality, Credibility

EXISTING 141'-0" MONOPOLE

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	08/16/2022	HAM	PRELIMINARY	NPS
0	10/05/2022	HAM	FINAL	NPS
1	01/25/2023	KSN	FINAL	NPS
2	07/11/2023	MVF	FINAL	NPS



2



1 EXISTING SITE PLAN
SCALE: 1/4"=1'-0" (FULL SIZE)
1/8"=1'-0" (11x17)



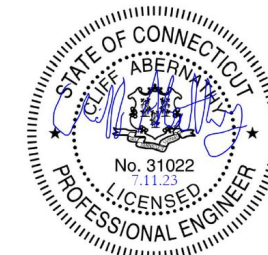
T-Mobile
T-MOBILE NORTHEAST LLC
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

NORTHEAST
SITE SOLUTIONS
Turning Wireless Development
420 MAIN STREET, BLDG 4
STURBRIDGE, MA 01566
203-275-6669

Trylon
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1825 W. WALNUT HILL LANE, SUITE 120
IRVING, TEXAS 75038

T-MOBILE SITE NUMBER:
CTHA090A
NORTH STREET
ROCKY HILL, CT 06067
EXISTING 141'-0' MONOPOLE

ISSUED FOR:				
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A	08/16/2022	HAM	PRELIMINARY	NPS
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1	01/25/2023	KSN	FINAL	NPS
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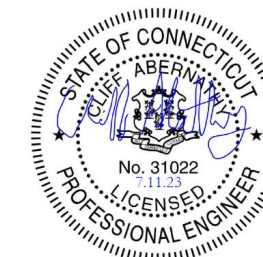
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REVISION: **2**

T-MOBILE SITE NUMBER:
CTHA090A
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ROCKY HILL, CT 06067
EXISTING 141'-0' MONOPOLE

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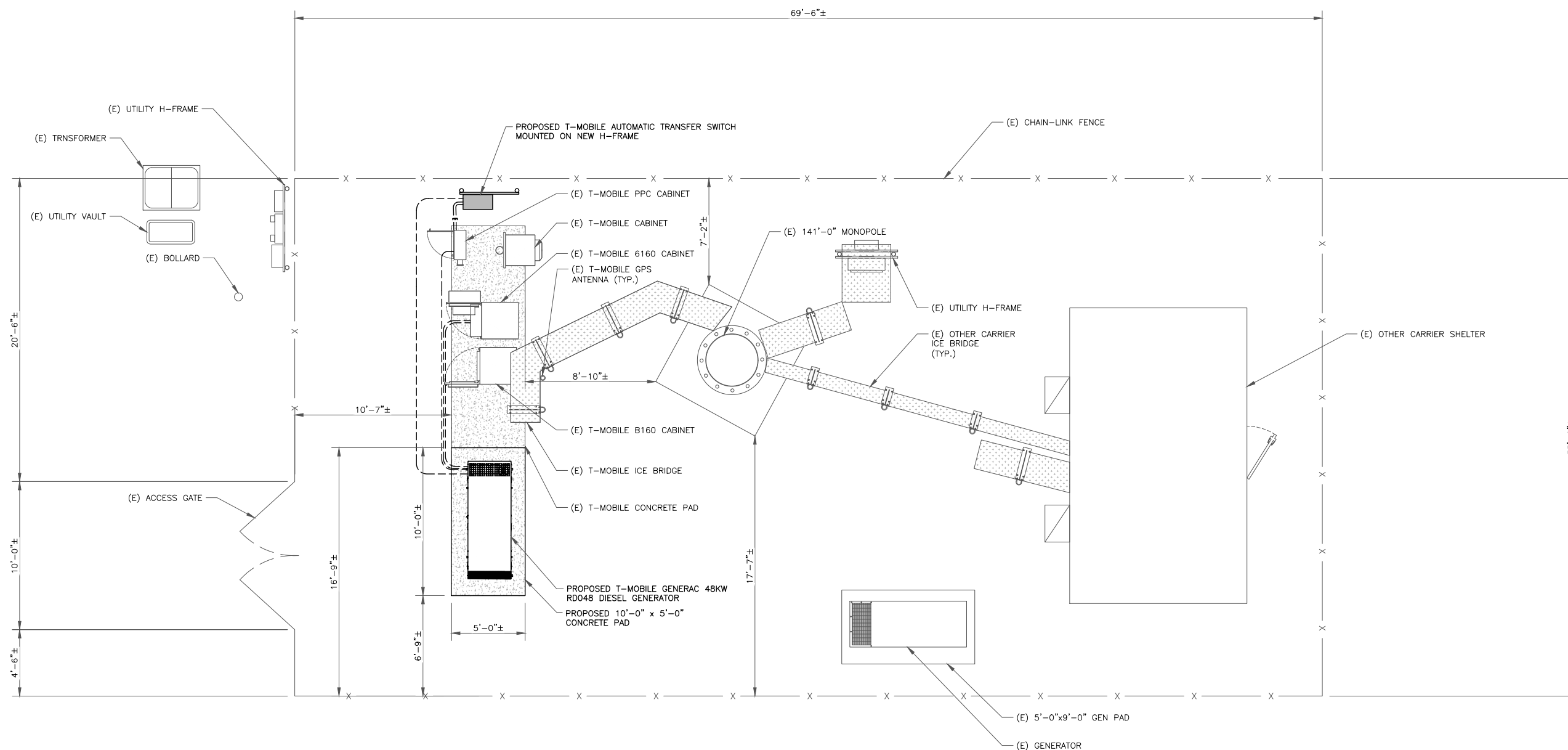
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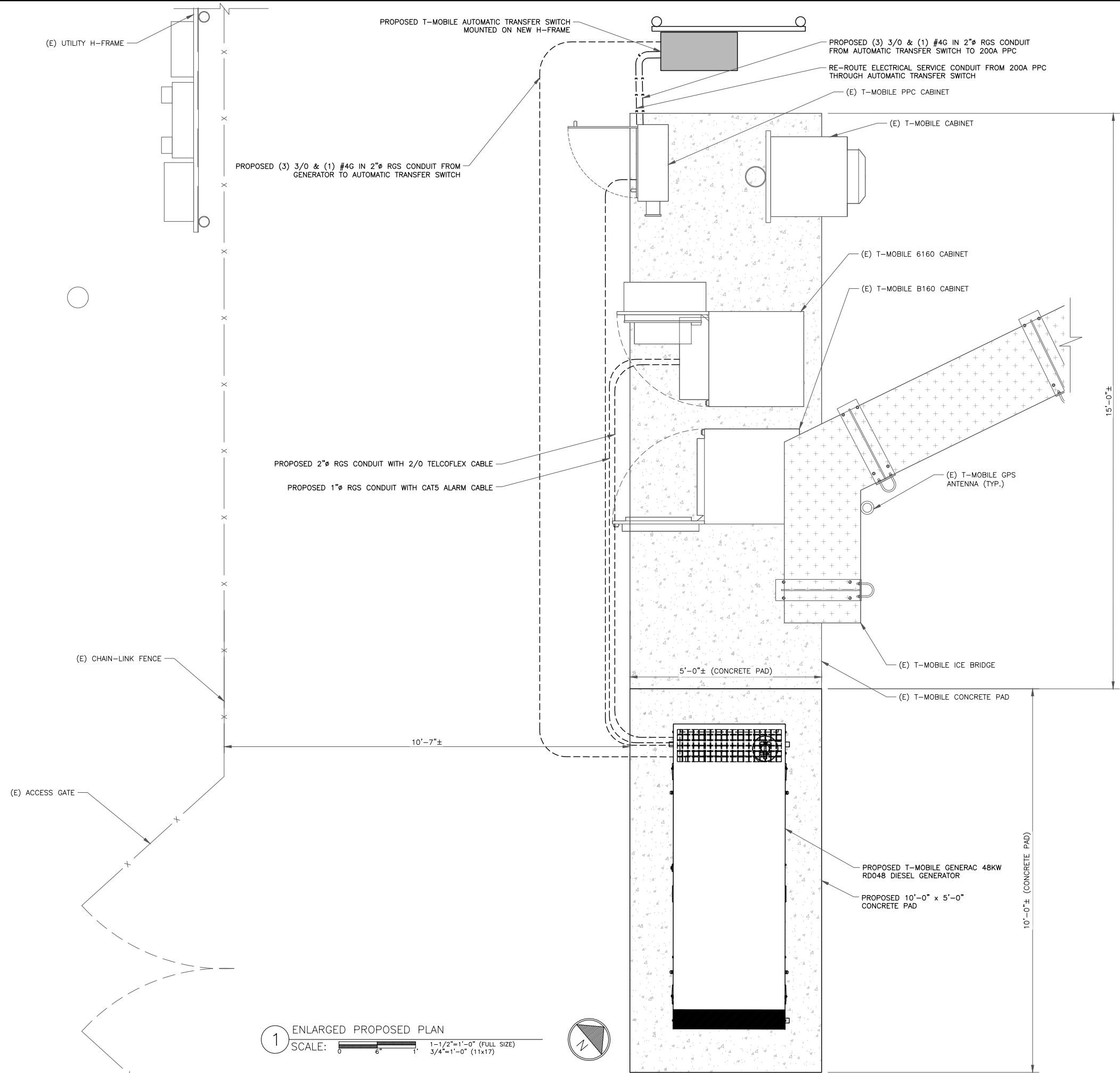
SHEET NUMBER:

C-1.3

REVISION:

2





1 ENLARGED PROPOSED PLAN
SCALE: 1-1/2"=1'-0" (FULL SIZE)
3/4"=1'-0" (11x17)



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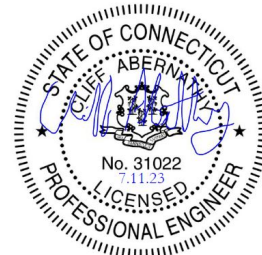
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1825 W. WALNUT HILL LANE, SUITE 120
IRVING, TEXAS 75038

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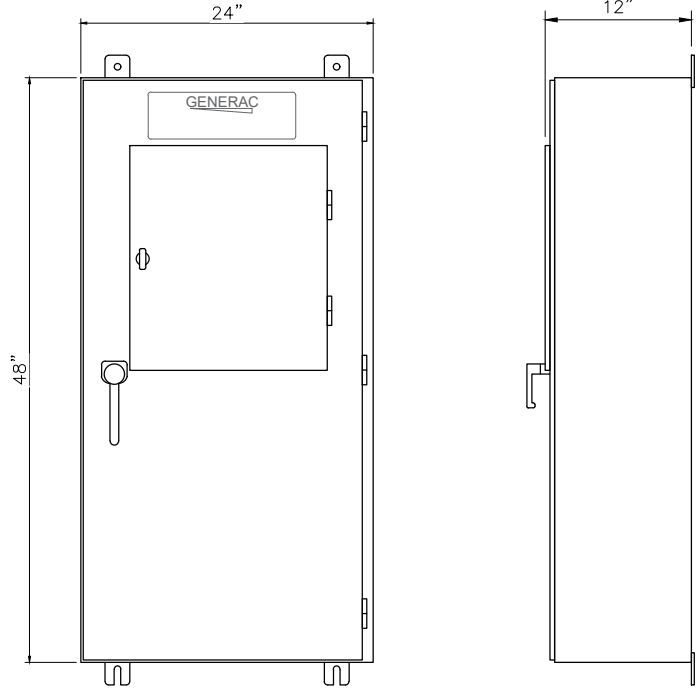


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SHEET NUMBER: C-1.4	REVISION: 2
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MANUFACTURER: GENERAC
MODEL: TTS SERIES
RATING: 120/240V, 100-400A, 600VCA, 1P
DIMENSIONS: 48" H x 24" W x 12" D
WEIGHT: 210 LBS

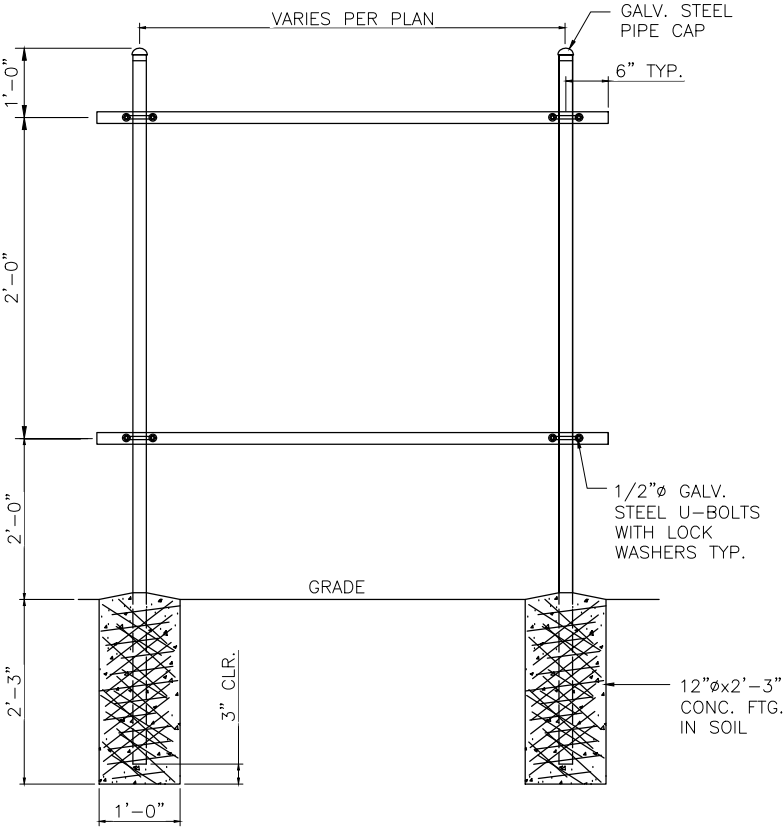
NOTE: ATS INCLUDES CAMLOCK



FRONT VIEW

SIDE VIEW

1 ATS CABINET SPECIFICATIONS
SCALE: NOT TO SCALE



2 H-FRAME SPECIFICATIONS
SCALE: NOT TO SCALE

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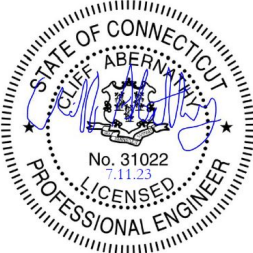
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SHEET NUMBER:
C-2

REVISION:
2

3 NOT USED
SCALE: NOT TO SCALE

4 NOT USED
SCALE: NOT TO SCALE

RD048 | 3.4L | 48 kW
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.

- UL UL2200, UL508, UL489, UL142
- CSA CSA 22.2
- DIN BS5514 and DIN 6271
- SAE SAE J1349
- NFPA NFPA 37, 70, 99
- ISO ISO 3048, 8528, 9001
- NEMA NEMA ICS1, ICS10, MG1, 250, ICS6, AB1
- ANSI 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.

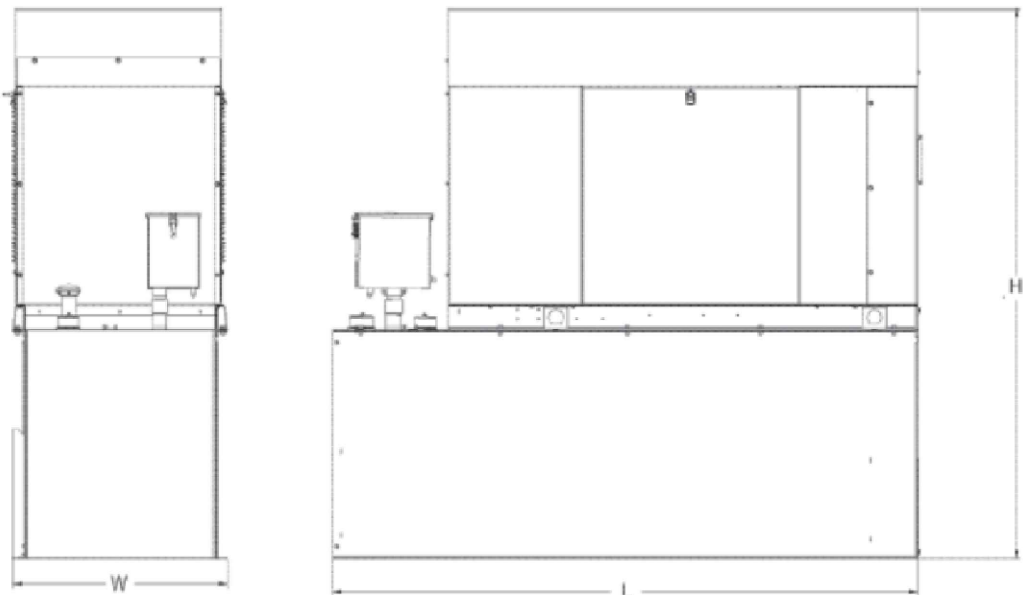
Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial application under adverse conditions.

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*



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

T-Mobile
T-MOBILE NORTHEAST LLC
35 GRIFFIN ROAD
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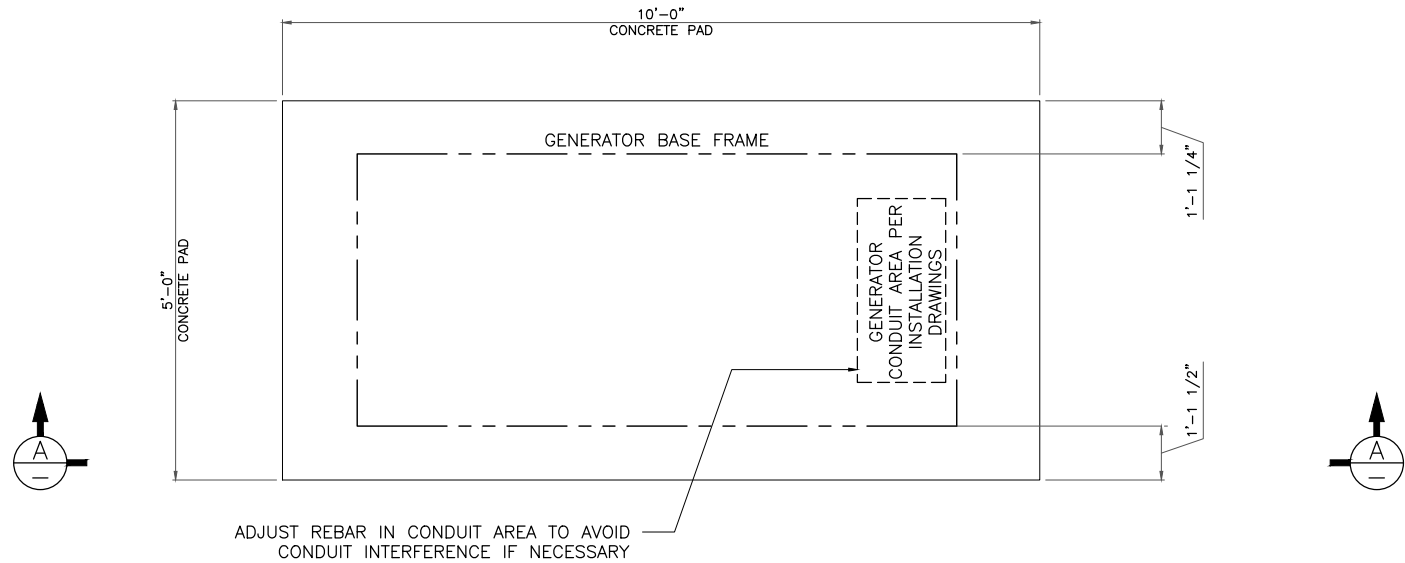
SHEET NUMBER: **C-3**
REVISION: **2**

NOTES:

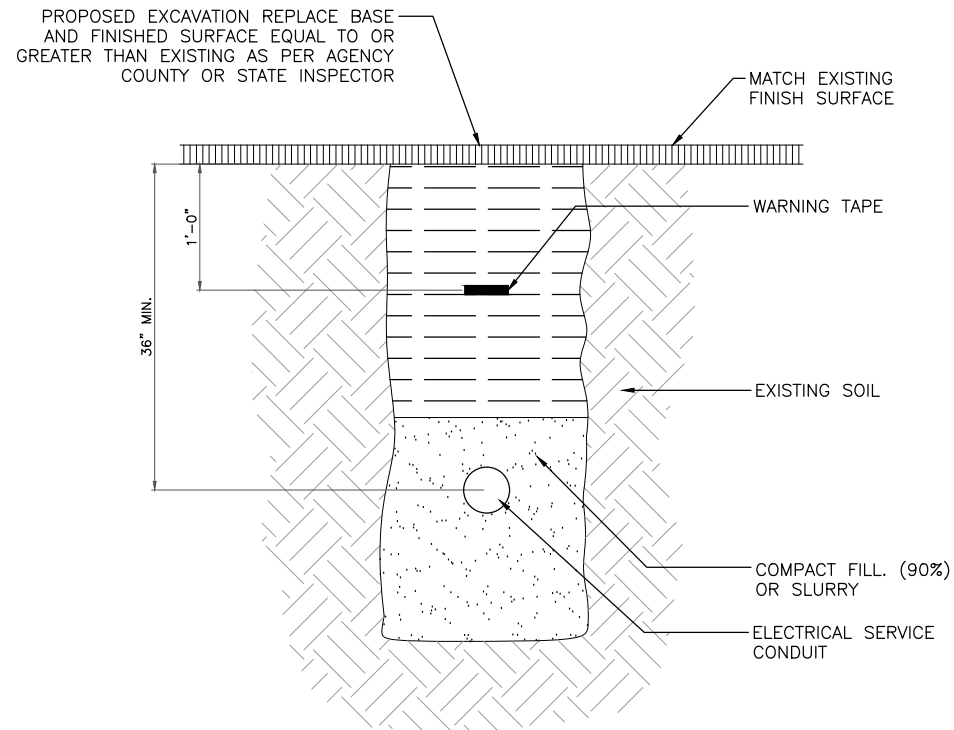
1. ALL CONCRETE CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE (ACI 318-14) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND (ACI 301) STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACIW301, ACIW318, ASTM A184 AND ASTM A185.
2. MINIMUM ALLOWABLE CONCRETE COMPRESSIVE STRENGTH SHALL BE 2500 PSI AT 28 DAYS WHEN TESTED IN ACCORDANCE WITH THE

- AMERICAN SOCIETY FOR TESTING AND MATERIALS METHODS STANDARDS 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).

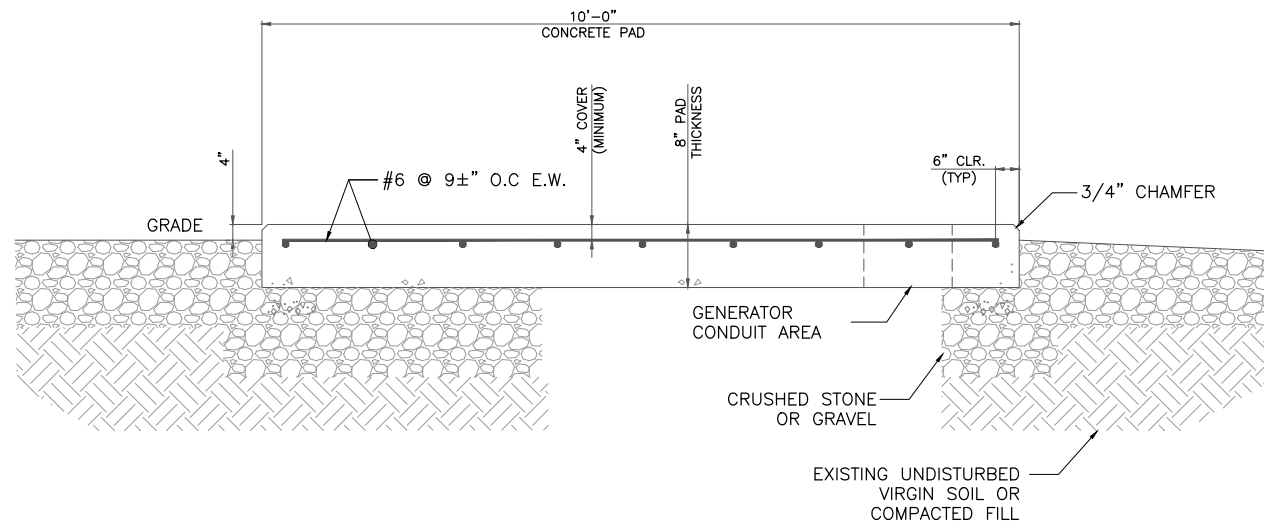
5. CHAMFER ALL EXPOSED EDGES OF CONCRETE 3/4" IN ACCORDANCE WITH ACI 301 SECTION 4.2.2. UNLESS OTHERWISE NOTED.
6. REINFORCING STEEL SHALL BE ACCURATELY PLACED AND ADEQUATELY SECURED IN POSITION. LOCATION OF REINFORCEMENT SHALL BE INDICATED ON THE DRAWINGS. CONCRETE COVER SHALL DEPEND ON WHETHER CONCRETE 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.



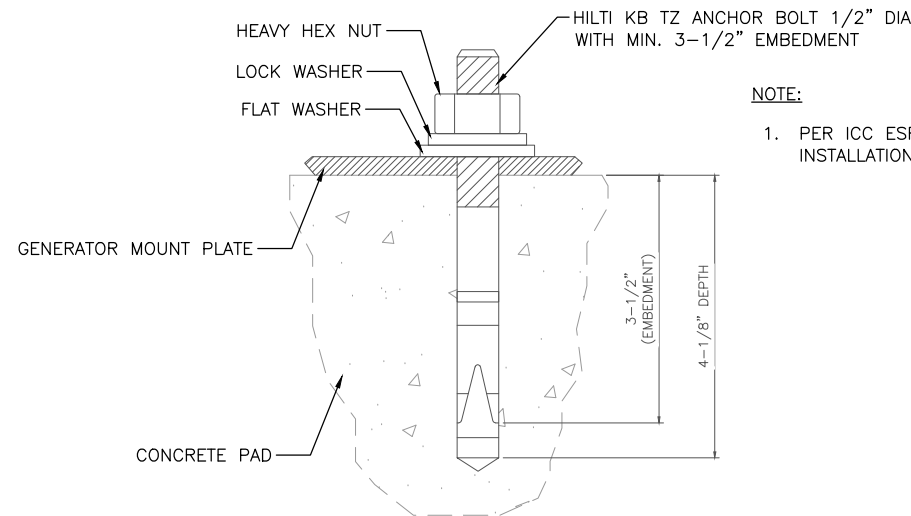
1 FOUNDATION PLAN
SCALE: NOT TO SCALE



2 UTILITY TRENCH
SCALE: NOT TO SCALE



4 SECTION A-A
SCALE: NOT TO SCALE



NOTE:

1. PER ICC ESR-3037 SECTION 4.3 INSTALLATION TORQUE OF 80FT/LB

5 ANCHOR BOLT DETAIL
SCALE: NOT TO SCALE

T-Mobile
T-MOBILE NORTHEAST LLC

35 GRIFFIN ROAD
BLOOMFIELD, CT 06002



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

T-MOBILE SITE NUMBER:
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NORTH STREET
ROCKY HILL, CT 06067

EXISTING 141'-0' MONOPOLE

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S-1

REVISION:

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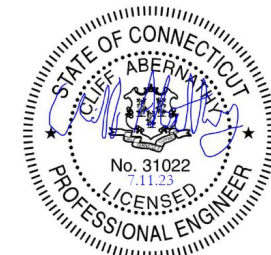
T-MOBILE SITE NUMBER:
CTHA090A

NORTH STREET
ROCKY HILL, CT 06067

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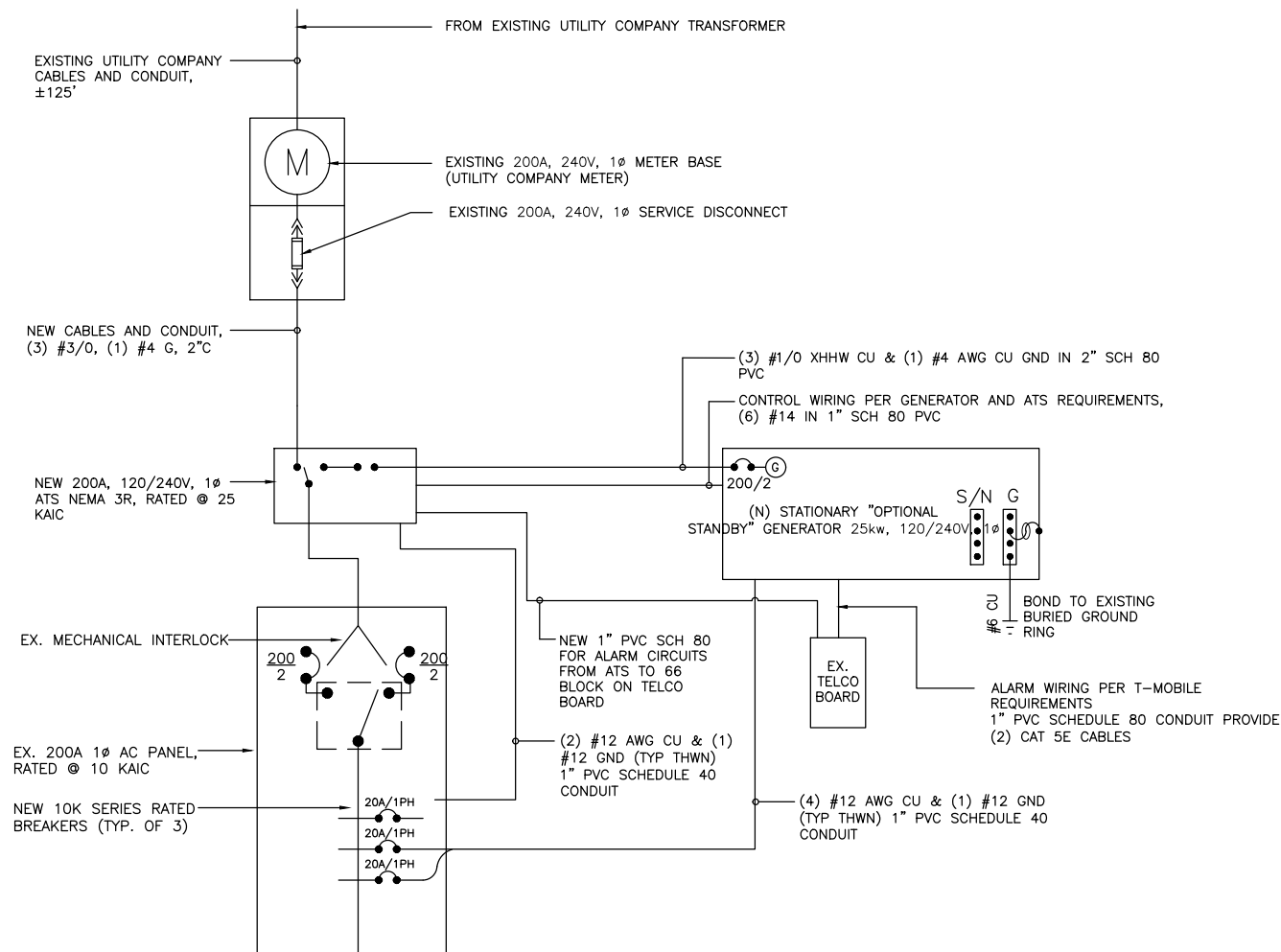
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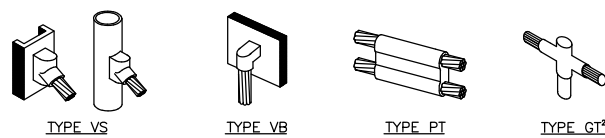
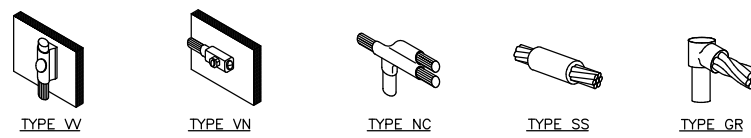
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E-1

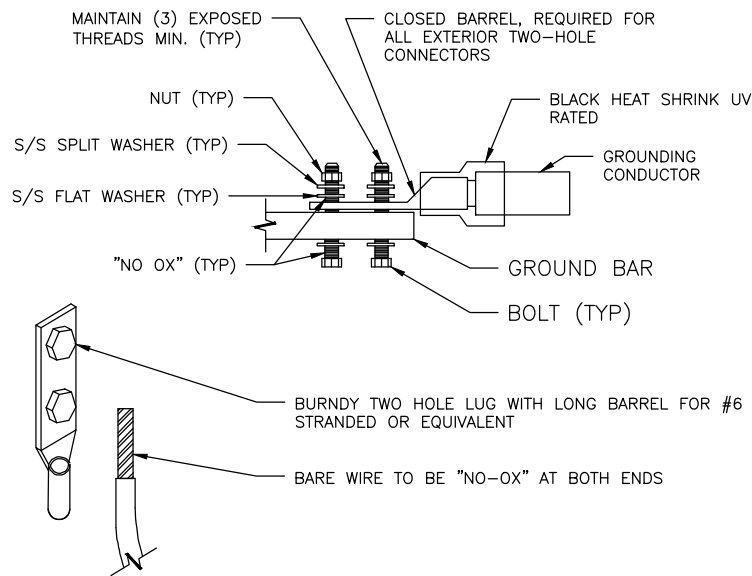
REVISION:

2





- NOTE:
1. ERICO EXOTHERMIC "MOLD TYPES" SHOWN HERE ARE EXAMPLES. CONSULT WITH CONSTRUCTION MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT.
 2. MOLD TYPE ONLY TO BE USED BELOW GRADE WHEN CONNECTING GROUND RING TO GROUND ROD.



- NOTES:
1. ALL HARDWARE SHALL BE 18-8 STAINLESS STEEL.
 2. COAT ALL SURFACES WITH ANTIOXIDANT COMPOUND BEFORE MATING.
 3. ALL EXPOSED EASILY ACCESSIBLE GROUND BARS SHALL BE TAGGED "DO NOT DISCONNECT".
 4. COAT ALL BARRELS WITH ANTIOXIDANT BEFORE CRIMPING.

- 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 CONDUCTOR.
 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 MANAGER.
 5. ALL BENDS ON THE GROUND CONDUCTOR TO BE MADE WITH A MINIMUM 24" RADIUS.
 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.

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

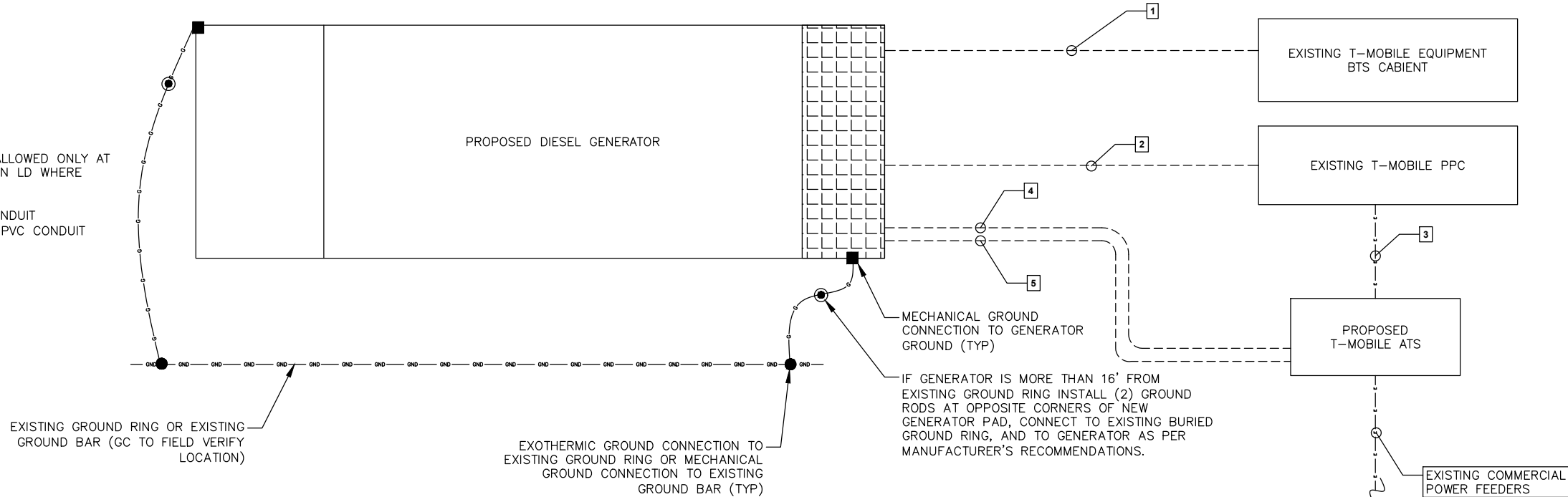
2 EXTERIOR GROUND BAR LUG
SCALE: NOT TO SCALE

3 GENERAL GROUNDING NOTES
SCALE: NOT TO SCALE

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. HAND DIG ONLY WITHIN COMPOUND.
 2. CONDUITS SHALL BE SWEEPS. 90" TURNS ALLOWED ONLY AT INACCESSIBLE LOCATIONS. GC TO PROVIDE AN LD WHERE POSSIBLE AT ALL 90" TURNS.
 3. CONDUIT TYPES SHALL BE AS FOLLOWS:
 - BELOW GRADE CONDUITS: SCH. 40 PVC CONDUIT
 - BELOW ROAD/PARKING CONDUITS: SCH 80 PVC CONDUIT
 - EXTERIOR ABOVE GRADE CONDUITS: RGS
 - INTERIOR CONDUITS: IMC

GROUNDING LEGEND	
	GROUND ROD
	MECHANICAL CONNECTION
	EXOTHERMIC CONNECTION
	GROUND WIRE



4 GENERATOR GROUNDING DETAIL
SCALE: NOT TO SCALE

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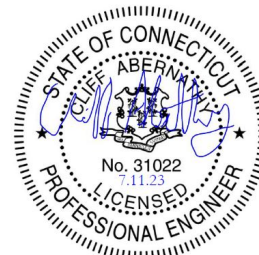
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G-1

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