

January 20, 2022

### VIA ELECTRONIC MAIL AND FEDERAL EXPRESS

Melanie.bachman@ct.gov Siting.council@ct.gov

Ms. Melanie A. Bachman, Esq., Executive Director Connecticut Siting Council Ten Franklin Square New Britain, CT 06051

## **RE:** Sub-Petition for An Approval of An Eligible Facilities Request for An Existing Telecommunications Facility at 720 Quinebaug Road, Quinebaug.

Dear Attorney Bachman:

This office represents T-Mobile Northeast LLC ("T-Mobile"). On behalf of T-Mobile, I have attached a sub-petition for an approval of an Eligible Facilities Request ("EFR") concerning an existing telecommunications facility at 720 Quinebaug Road, Quinebaug, Connecticut ("Property"). One original and fifteen hard copies of the sub-petition shall follow via federal express.

Please do not hesitate to contact me with any questions.

Very truly yours,

Jesse A. Langer

Enclosure



### STATE OF CONNECTICUT CONNECTICUT SITING COUNCIL

### SUB-PETITION FOR AN APPROVAL OF AN ELIGIBLE FACILITIES REQUEST FOR AN EXISTING TELECOMMUNICATIONS FACILITY AT 720 QUINEBAUG ROAD, QUINEBAUG CONNECTICUT

**JANUARY 20, 2022** 

### TABLE OF CONTENTS

I.	AUT	THORITY FOR REQUEST RELIEF	1
II.	CON	NTACT INFORMATION	1
III.	BAC	CKGROUND	2
	А.	The Existing Telecommunications Facility	2
	B.	The Proposed Modification	3
IV.	CON	MPLIANCE WITH SECTION 6409	3
V.	NOT	FICE TO ABUTTERS AND MUNICIPALITY	5
VI.	CON	NCLUSION	5

### ATTACHMENTS

- Attachment 1 November 28, 2005 The meeting minutes of the Town's Planning and Zoning Commission
- Attachment 2 TS-CING-141-050801
- Attachment 3 TS-T-MOBILE-141-180221
- Attachment 4 Detailed Plans, including generator specifications
- Attachment 5 Service List of Abutters and Sample Letter to Abutters
- Attachment 6 Service List of Municipality and Municipal Officials, with Letter to Host Municipality

### I. INTRODUCTION AND AUTHORITY FOR REQUESTED RELIEF

In accordance with § 6409(a) of the Federal Middle Class Tax Relief and Job Creation Act of 2012, codified at 47 U.S.C § 1455(a), and commonly referenced as the Spectrum Act ("Section 6409"), T-Mobile Northeast, LLC ("T-Mobile") respectfully files this Sub-Petition for an Eligible Facilities Request ("EFR") to harden an existing telecommunications facility, specifically to install a backup generator, at 720 Quinebaug Road, Quinebaug, Connecticut ("Property").<sup>1</sup>

Section 6409 requires the State or local siting authority to engage in a streamlined approval process for the collocation, removal or replacement of "transmission equipment" that does not result in a "substantial change to the physical dimensions of [a] tower or base station." 47 U.S.C. § 1455(a)(1) and (2); 47 C.F.R. § 1.40001(b)(3). In Petition 1133, the Connecticut Siting Council ("Council") ruled that General Statutes § 16-50k does not apply to EFRs for existing telecommunications facilities and adopted a streamlined sub-petition process. *See* Petition 1133.

### **II. CONTACT INFORMATION**

T-Mobile is a limited liability company organized under the laws of the State of Delaware, and is duly registered with the State of Connecticut. All correspondence or communications may be addressed to T-Mobile's legal counsel as follows:

Jesse A. Langer Updike, Kelly & Spellacy, P.C. One Century Tower 265 Church Street, 10<sup>th</sup> Floor New Haven, CT 06510 (203) 786-8317 jlanger@uks.com

<sup>&</sup>lt;sup>1</sup> Quinebaug is a census recognized village located in Thompson, Connecticut.

### III. BACKGROUND

### A. The Existing Telecommunications Facility

The existing telecommunications facility ("Facility") consists of a 125 foot monopole tower with various ground equipment contained in a fenced compound. On or about November 28, 2005, the Town of Thompson ("Town") approved the Facility by special permit to allow for emergency services and the collocation of wireless providers. The meeting minutes of the Town's Planning and Zoning Commission are appended hereto as <u>Attachment 1</u>. The Quinebaug Volunteer Fire Department ("QVFD") owns the monopole and the Property.

New Cingular Wireless PCS, LLC's ("AT&T") was the first to collocate its wireless installation on the Facility and invoke the Council's jurisdiction. The Council's approval designated as TS-CING-141-050801 is appended hereto as <u>Attachment 2</u>. The Facility currently hosts wireless installations operated by the following: (1) T-Mobile at approximately 105 feet above grade level ("AGL"); (2) Cellco Partnership *d.b.a.* Verizon Wireless at approximately feet 115 AGL; and (3) AT&T at approximately feet 123 AGL. The Council approved all of the tower share requests. The municipal emergency communications equipment operated by the QVFD is located at approximately 123 feet AGL.

As to T-Mobile, on or about March 16, 2018, the Council approved T-Mobile's tower sharing request to collocate its wireless antennas on the Facility along with attendant ground equipment. The Council's approval, designated as TS-T-MOBILE-141-180221, is appended hereto as <u>Attachment 3</u>. T-Mobile currently maintains twelve antennas, a two foot microwave dish and four remote radio units.

### **B.** The Proposed Modification

T-Mobile proposes the installation of a 25 Kilowatt diesel fueled generator on a 10 x 4 foot concrete pad. The installation would include a 240 gallon double walled self-contained tank with fuel sensor. The 10 x 4 foot concrete pad would be situated at its nearest point, eight feet, and at its further point, eighteen feet, from the existing compound. T-Mobile would install an emergency shut-off switch to the exterior of the generator enclosure. T-Mobile would also install an automatic transfer switch mounted to a utility frame adjacent to the existing compound. The additional leased area is necessary because the existing compound cannot accommodate the backup generator. Detailed plans, including the specifications for the generator, are appended hereto as <u>Attachment 4</u>.

### IV. COMPLIANCE WITH SECTION 6409

Section 6409 provides that "a State or local government may not deny, and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not <u>substantially change</u> the physical dimensions of such tower or base station." (Emphasis added.) 47 U.S.C. § 1455. The Federal Communications Commission ("FCC"), charged with the implementation of Section 6409, promulgated regulations to effectuate the streamlined EFR process. *See* 47 C.F.R. § 1.6100. To that end, the FCC has issued several orders in an effort to ensure that the spirit and letter of Section 6409 is fulfilled, specifically:

to reduce regulatory barriers to wireless infrastructure deployment by further streamlining the state and local government review process for modifications to existing wireless infrastructure under section 6409(a) of the Spectrum Act of 2012. The development of wireless infrastructure is critical to the deployment of 5G and other advanced wireless networks, which will enable economic opportunities across the nation.

WT Docket No. 19-250, FCC Order 20-153, p. 1 ¶ 1 (F.C.C. Nov. 3, 2020).

Particularly relevant to this Sub-Petition, 47 C.F.R. § 1.6100 provides that a modification

substantially changes an eligible support structure if, among other things,

It entails any <u>excavation or deployment outside of the current site</u>, <u>except that</u>, for towers other than towers in the public rights-of-way, <u>it entails any excavation</u> or deployment of transmission equipment outside of the current site by more than 30 feet in any direction. The site boundary from which the 30 feet is measured excludes any access or utility easements currently related to the site

(Emphasis added.) 47 C.F.R. § 1.6100(b)(7)(iv). "Transmission equipment" means:

Equipment that facilitates transmission for any Commission-licensed or authorized wireless communication service, including, but not limited to, radio transceivers, antennas, coaxial or fiber-optic cable, and <u>regular and backup power</u> <u>supply</u>. The term includes equipment associated with wireless communications services including, but not limited to, private, broadcast, and public safety services, as well as unlicensed wireless services and fixed wireless services such as microwave backhaul.

(Emphasis added.) 47 C.F.R. § 1.6100(b)(8).

The FCC has confirmed that Section 6409 contemplates a streamlined process for wireless providers seeking to harden their existing sites. The FCC explained that the streamlined process promotes public safety and network resiliency. Many wireless providers and tower owners need to expand the existing site solely for "adding backup emergency generators to add resiliency to the network." FCC Order 20-153, p. 9 ¶ 16.

As set forth in this Sub-Petition, T-Mobile seeks only to harden an existing site with a backup generator to promote public safety and network resiliency. The new concrete pad and backup generator would be situated approximately eighteen feet from the existing compound at its farthest point. T-Mobile cannot fit the generator inside the existing compound and the presence of underground tanks adjacent to the compound make it difficult simply to expand the fence line. *See* <u>Attachment 4</u>. This proposed modification, therefore, does not "substantially change" the existing site in accordance with 47 C.F.R. § 1.6100(b)(7)(iv).

### V. NOTICE TO ABUTTERS AND MUNICIPALITIES

In accordance with Petition 1133, on or about January 20, 2022, T-Mobile sent a notice of its filing of this Sub-Petition, along with a copy of the Sub-Petition, via certified mail, return receipt requested, to each person appearing as a record owner of the host property, those appearing as a record owner of properties which abut the Property<sup>2</sup> and the Town, including appropriate municipal officials. The service list of abutters and a sample letter to the abutters are appended hereto as <u>Attachment 5</u>; the service list to the Town and appropriate municipal officials, as well as one of the letters sent to the Town, are appended hereto as <u>Attachment 6</u>.

### VI. CONCLUSION

This Sub-Petition and the appended attachments demonstrate that the proposed modification, which is limited to the addition of a backup generator to promote public safety and network resiliency, constitutes an EFR under Section 6409. T-Mobile, therefore, respectfully requests that the Council grant this Sub-Petition in accordance with Petition 1133.

Respectfully submitted by,

T-MOBILE NORTHEAST LLC

By:

Jesse A. Langer UPDIKE, KELLY & SPELLACY, P.C. One Century Tower 265 Church Street, 10<sup>th</sup> Floor New Haven, CT 06510 (203) 786-8317 Email: jlanger@uks.com

<sup>&</sup>lt;sup>2</sup> T-Mobile respectfully notes that the FCC has made it clear that State and local authorities may only require documentation reasonably related to determining compliance with Section 6409. 30 FCC Red. 31 (F.C.C. 2014), pp. 92,  $\P$  214. Notice to abutters is not reasonably related to whether this request meets Section 6409.

# **ATTACHMENT 1**

DEC-05-2005 MON 05:23 PM

11/38/2005 28:13 8689239

86892398977

1-860-935-5290

TOWN OF THOMPSON

FAX NO.

p.3

P. 07/16

PAGE 01

MUNICIPAL BUILDING 815 RIVERSIDE DRIVE NORTH GROSVENDRDALE, CT 06251 TELEMONE: (860) 922-1852 FACSIMOLE: (860) 922-08107

TOWN of THOMPSON

PLANNING & ZONING COMMISSION

### MINUTES PLANNING & ZONING COMMISSION MONDAY, NOVEMBER 28, 2005 \* 7:00 PM MERRILL SENEY COMMUNITY ROOM

Page 1 of 10

PRESENT: Charles Paquette, Randolph Blackmer, John Rice, Daniel Touchette, Robert Werge, Lauri Groh-Germain, D.R. Hoenig, Steven Antos, James Naum and Peter Nedzweckas

ABSENT: Maurice Viens and Diane Bradley

ALSO PRESENT: John Mahon; ZEO, Al Landry, Joseph Donovan, Camille & Ronald Travers, Edgar & Louise Lavigne, Robert Roy, Patrick McLaughlin; KWP Associates, Richard & Mrs. Babbitt, Donald & Mrs. Dancause, Thomas & Richard Minarik, Carolyn Werge & Howard Peck; Conservation Commission, Sharon Bly, Atty. Chris Fisher and Mark Appleby; Cingular Wireless

PUBLIC HEARING #1 (continued from October 24th, 2005)

Application # SUB 2005-02 Subdivision - Marianapolis Preparatory School, Inc. - Thompson Road, Map 87, Block 38, Lot 1, Zoned TC-80 for a 12-lot subdivision. Area to be subdivided 32 acres.

Charles Paquette opened the Public Hearing at 7:02 PM.

Patrick McLaughlin, a Professional Engineer for KWP Associates was available to explain the plan and answer questions regarding the plan. Road access will be from Route # 193 with a 980' cul de sac. The cul de sac will incorporate a teardrop turn around for the equal distribution of snow as requested by the Public Works Director. They will also be using Cape Cod curbing as requested by the Public Works Director. All lots will be served by on-site septic systems and wells. There is a letter of approval from NDDH. A letter of approval from DOT has been received with two recommendations:

- A detectable warning strip must be installed on the handicapped ramps
- The proposed light standard must be relocated outside of the State right-of-way

There are sedimentation chambers to collect sand before it enters the piping system. These will need some cleanout maintenance, perhaps every three to five years. Catch basins will be installed and piped around to the rear of the property to a level apread to dissipate. There will be casements granted to the Town for maintenance purposes.

L

11/30/2005 20:13 86092

86092358977

1-860-935-5290

TOWN OF THOMPSON

FAX NO.

P-4

Ρ.

08/16

NUNICIPAL BUILDING BIS RIVERSIDE DRIVE NORTH GROSVENDRDALE, CT 162555

TOWN of THOMPSON PLANNING & ZONING COMMISSION

### MINUTES PLANNING & ZONING COMMISSION MONDAY. NOVEMBER 28, 2005 \* 7:00 PM MERBILL SENEY COMMUNITY ROOM

Page 2 of 10

TELEPMONE: (860) 923-1862 PACSIMILE: (860) 923-9897

They are offering \$3,000 per lot (\$36,000 total) for fee in-licu of open space.

Charles Paquette read a letter of recommendation from the Conservation They are recommending that the Town accept a 20% land set aside into open space versus a 10% fee in-lieu of open space for future use as a wildlife habitat, walking trails and possible recreation area. They further stated that the P&Z Commission consider an impervious surface, instead of a concrete sidewalk. Patrick McLaughlin stated that at the preliminary discussion, the Commission led them to believe that small areas of open space in various subdivision locations was not what they felt was in the best interest of the Town. He further explained that the wooded area to the rear of the property, approximately 3 acres, would pretty much remain as is and should accomplish the Conservation Commission's objective for wildlife habitat.

Sharon Bly, Paula Lane, asked for clarification of the location of the project.

Howard Peck, Conservation Commission, spoke about the set-aside of land for open space.

Edgar Lavigne, an abutter, had a question about the water dispensation to the sedimentation tanks (by gravity).

The regulation regarding Net Buildable Area was discussed by the Commission.

Randolph Blackmer made a motion to close the Public Hearing, seconded by Daniel Touchette. All in favor, motion carries. Public Hearing was closed at 7:36 PM.

PUBLIC HEARING #2 (continued from October 24th, 2005)

Special Permit Application # 2005-09 - Quinebaug Fire Dept, 720 Quinebaug Road, Map 3, Block 81, Lot 1, Zoned R-40 for the location of a new cellular tower, 130' in height

Chief Donovan and Robert Roy represented the Fire Dept. and Mark Appleby was present for Cingular Wireless. A letter was submitted from

DEC-05-2005 MON 05:23 PM Dec UI US U1:21p QVFD 11/30/2005 20:13 86892398977

1-860-935-5290

TOWN OF THOMPSON

FAX NO.

P.5 PAGE 03

P. 09/16

TOWN of THOMPSON

PLANNING & ZONING COMMISSION

MUNICIPAL BUILDING **015 RIVERSIDE DRIVE** NORTH GROSVENORDALE, CT 06255 TELEPHONE: (860) 923-1852 FACSIMILE: (860) 928-9897

### MINUTES

### PLANNING & ZONING COMMISSION MONDAY, NOVEMBER 28, 2005 \* 7:00 PM MERRILL SENEY COMMUNITY ROOM

Page 3 of 10

George Davis, Davis Electronics, confirming that an antenna height of 125' above ground was needed to insure reliable portable radio coverage.

They have requested a waiver for the ancillary building size. They have added fencing for around the tower. Cingular will put in shrubs to shield the Quinebaug Mobile Home Park (approx. 6].

Robert Werge had questions regarding the fall zone for the tower. The Commission was to speak to the Town attorney for interpretation of the existing requirement. To date, there has been no answer forthcoming. Atty. Chris Fisher gave explanations about the fall zone area, the fall zone plus twenty-five feet and the yield (break) point,

Steven Antos asked about the concern of output frequencies. A letter has been submitted regarding this issue from John Blevins, a Radio Frequency Specialist, stating that there will be no adverse impact to the neighborhood or community. Atty. Chris Fisher explained that the frequecy output was so low in power that no reports were needed to the federal government.

Charles Paquette questioned the use of other towers in the area by using repeaters. Chief Donovan explained the differences in frequencies and that if the repeaters were to go down, there would be no service. This proposed antenna would cover the entire town of Thompson. This tower is needed for public safety in the community.

Charles Paquette read a letter of support for the tower from Reverend Dennis Carey, St. Stephen's Parish. His letter gave an account of an emergency situation and his inability to reach 911.

James Naum asked how the fire departments contacted each other during a fire situation this past week. Chief Donovan stated there was a problem even during this event.

Randolph Blackmer has walked the site where some of the trees were taken down and stated that there are still some large pine trees that will help to camouflage the tower from the Mobile Park. The tower will be more visible from Route #131. Steven Antos commented that there is no requirement for horticulture in the regulations.

3

. 1

DEC-05-2005 MON 05:24 PM

11/30/2005 20:13 85092398977

1-860-935-5290

FAX NO.

TOWN OF THOMPSON

P.6

P. 10/16

TOWN of THOMPSON

PLANNING & ZONING COMMISSION

### MINUTES PLANNING & ZONING COMMISSION MONDAY, NOVEMBER 28, 2005 \* 7:00 PM MERRILL SENEY COMMUNITY ROOM

Page 4 of 10

MUNICIPAL BUILDING

NORTH GROOVENORDALE, CT 46258

TELEPHONE: (860) 923-1862 PACSIMILE: (860) 923-9897

Brian Kimball, 162 Old Turnpike Road, spoke about the communication that is necessary for emergency services and life safety for not only residents, but also for responders, having experienced a life safety issue of his own.

Richard Babbitt, Quinebaug Park, offered his comments, which were in opposition to the tower.

Ron Travers, Quinebaug Park, cited his interpretation of several of the regulations and his opinion for implementation of the regulations.

Charles Paquette explained that this plan is less obtrusive than the previous plan and therefore it would not be necessary to renotice abutters for the change in plans.

Atty. Chris Fisher explained that the fall zone is within the boundaries of the Fire Department property.

Mr. Travers then cited frequency regulations and asked if there had been an attempt to get space on any other towers.

Chief Donovan explained that any other tower within the town could not accommodate their needs.

Mr. Travers presented photos taken showing balloons raised to the height of the proposed tower and a petition with 42 signatures of opposition from the Quinebaug Mobile Park.

There were various other comments regarding cell phones causing cancer, locating the tower elsewhere and cell towers decreasing property values.

Justine Gendreau, Linda Lane, an EMT for the Quinebaug Fire Department, stated that there is no communication on the outer limits or even some nearby areas. That prevents the EMT's from communicating with the rescue vehicles and/or other emergency services if they cannot contact them.

4

1 .

1-860-935-5290 TOWN OF THOMPSON

FAX NO.

p.7

P. 11/16

PAGE 05

TOWN of THOMPSON

PLANNING & ZONING COMMISSION

### MINUTES PLANNING & ZONING COMMISSION MONDAY, NOVEMBER 28, 2005 \* 7:00 PM MERRILL SENEY COMMUNITY ROOM

Page 5 of 10

MUNICIPAL BUILDING BIS RIVERSIDE DRIVE

FACSIMILE: (860) 923-9897

NORTH GROSVENORDALE, CT 06255 TELEPHONE: (860) 923-1852

Donald Dancause, Quinebaug Park, spoke about the issue of refinancing the park in the future and what impact the radio tower would have on that endeavor.

Sharon Bly, a relatively new resident to the town, spoke about dependence of residents on the fire and police and the comfort that it brings knowing that someone can be reached in an emergency.

Randolph Blackmer made a motion to close the Public Hearing, seconded by Steven Antos. All in favor, motion carries. Public Hearing closed at 8:46 PM.

Charles Paquette called for a short recess.

Meeting reconvened at 8:55 PM.

### **REQULAR MEETING**

Charles Paquette opened the regular meeting at 8:55 PM

1). Approve the Minutes of the October 24th, 2005 meeting

John Rice a motion to accept the minutes as mailed, seconded by Randolph Blackmer. All in favor, motion carries.

2). Correspondence

Charles Paquette reviewed all correspondence with attending Commission members.

- Charles Paquette read a memorandum from the Town Clerk regarding the need to get a resignation letter from Diane Bradley, who has moved from the Town of Thompson
- Charles Paquette read a letter from Sandra & Michael Pimental regarding truck traffic on New Road - a copy of this letter will be sent to Jeff Rawson so that this issue can be addressed between both parties
- Charles Paquette read a letter from CME Associates regarding a development proposal for Rawson Avenue

5

Charles Paquette read a Cease & Desist Order that was sent to Meehan Builders by the Zoning enforcement Officer. James Naum

1-860-935-5290 TOWN OF THOMPSON

FAX NO.

p.8

PAGE 06

P. 12/16

MUNICIPAL BUILDING 815 RIVERSIDE DRIVE NORTH GROEVENORDALE, CT 06255 TELEPHONE: (860) 929-1852 FACSIMILE: (660) 023-9857

TOWN of THOMPSON

PLANNING & ZONING COMMISSION

### MINUTES PLANNING & ZONING COMMISSION MONDAY, NOVEMBER 28, 2005 \* 7:00 PM MERRILL SENEY COMMUNITY ROOM

Page 6 of 10

made a motion that if the Cease & desist Order is not followed, John Mahon is to take action with Atty. St. Onge, seconded by Daniel Touchette

3). Discuss Public Hearing -

Thompson Woods (Marianapolis property) - The plan was reviewed again and it was noted that the easements must be noted on the plan. There was a discussion regarding the open space versus the fce in-lieu of open space. There was also a discussion regarding the recommendation of the Conservation Commission. D.R. Hoenig offered his opinion that during the initial presentation to the Commission, the applicant was led to believe that a fee in-lieu of open space was what the P & Z Commission wanted and to change that now would be an impediment to the applicant. Randolph Blackmer made a motion to approve the application with the coment sidewalks, an easement across any of the properties where the pipeline crosses, include the recommendation of the teardrop turn-around for the distribution of snow, the implementation of Cape Cod curbing and \$36,000 to be received prior to the mylar being signed, seconded by D. R. Hoenig

### VOTE

John Rice	No	Lauri Groh-Germain	Yes
Steven Antos	Yes	James Naum	Abstain
D. R. Hoenig	Yes	Daniel Touchette	Yes
Peter Nedzweckas	Abstain .	Robert Werge	No
Randolph Blackmer	Yes	Charles Paquette	Yes

The application is accepted.

Quinebaug Fire Dept (Radio tower) - John Rice made a motion to approve the radio communication tower with the stipulations of a waiver of the fall zone, waiver of the tower height (Article IX, Section 7.3a1) and waiver for the size of the ancillary building (Article DK, Section 4.3) and a letter must be posted for further tower sharing, motion seconded by Randolph Blackmer.

John Mahon had a concern with issuing a CO without the vegetative buffer being in place should the weather not allow at the time of

1-060-935-5290

FAX NO.

TOWN OF THOMPSON

P. 13/16

P.9 PAGE 07

MUNICIPAL BUILDING ALS RIVERSIDE DRIVE NDRTH GROSVENDADALE, CT 06255 TELEPHONE: (860) 923-1452 FACSIMILE: (860) 923-9897

## TOWN of THOMPSON

PLANNING & ZONING COMMISSION

### MINUTES PLANNING & ZONING COMMISSION MONDAY, NOVEMBER 28, 2005 \* 7:00 PM MERRILL SENEY COMMUNITY ROOM

Page 7 of 10

completion of the Fire Department building.

There was a discussion regarding a bond being posted for the dismantling of the tower in the event it becomes obsolete. Being on private property and at the fire department location it was deemed not to be a requirement.

### VOTE

John Rice	Yes
Steven Antos	Yes
D. R. Hoenig	Yes
Peter Nedzweckas	Abstain
Randolph Blackmer	Yes

Lauri Groh-Germain Yes James Naum Abstain Daniel Touchette Yes Robert Werge Yes Charles Paquette Yes

The application is accepted.

4). Application # SUB 2005-03 - Patricia DeFilippo/Victoria Minarik/John S. Minarik Jr. - 1147 Thompson Road, Map 116, Block 24, Lot 2, Zoned R-20 for a 3-lot Subdivision (Minarik Acres)

(continued from October 24th, 2005 for map change on frontage requirements and a waiver needed for wells)

1

Thomas and Richard Minarik were both present with new plans. After review of the plans, Randolph Blackmer made a motion to approve the waiver for the well distance from 37'.5" to 31'.4" on Parcel 1, seconded by John Rice.

### VOTE

John Rice	Yes		Lauri Groh-Germain	Yes
Steven Antos	Yes		James Naum	Yes
D. R. Hoenig	Yes	1	Daniel Touchette	Yes
Peter Nedzweckas	Yes		Robert Werge	Yea
Randolph Blackmer	Yes		Charles Paquette	Yes

The waiver for the well distance is granted.

Randolph Blackmer made a motion approve the 4-lot subdivision with the modification to move the septic on Parcel 3 another 17'.5" further from the property line, seconded by Daniel Touchette.

FAX NO.

1-860-935-5290 TOWN OF THOMPSON PAGE 08

P. 14/16

MUNICIPAL BUILDING B15 RIVERSIDE DRIVE NORTH GLOSVENORDALE, CT 06295 TELEPHONE: (060) 923-1852 FAC5IMILE: (860) 923-9807

### TOWN of THOMPSON PLANNING & ZONING COMMISSION

### MINUTES PLANNING & ZONING COMMISSION MONDAY, NOVEMBER 28, 2005 \* 7:00 PM MERRILL SENEY COMMUNITY ROOM

Page 8 of 10

VOTE

John Rice	Yes	Lauri Groh-Germain	Yes	
Steven Antos	Yes	James Naum	Yes	
D. R. Hoenig	Yea	Daniel Touchette	Yes	
	Yes	Robert Werge	Yes	
Randolph Blackmer	Yes	Charles Paquette	Yes	
Peter Nedzweckas Randolph Blackmer			Yes	

5). Gravel Permit # 2005-10 ~ Rawson Materials, Inc., Map 65, Block 101, Lots 6 & 9, Zoned Industrial

Patrick McLaughlin, KWP Associates, was present to explain the plan to the commission. John Mahon noted there are multiple deficiencies with the plan. This will be on the agenda for December 19<sup>th</sup>, 2005 meeting and if the application is complete, the Commission will schedule a Public Hearing for the January 2006 meeting.

- 6). Discussion Randy LaCoille, 481 West Thompson Road he would like to build on the Putnam portion of the lot using West Thompson Road for ingress and egress. He needs approval from the Town of Thompson in order to get a building permit from the Town of Putnam. After review of the map, Daniel Touchette made a motion to allow access from West Thompson Road as long as the residence is located in the Town of Putnam, seconded by James Naum. All in favor, motion carries.
- 7). Informal Discussion Scott Chace/Ron Tetrault/ Dick Loomis, 693-699 Riverside Drive

Scott Chace and Dick Loomis were both present to explain their intentions for the property where Johnny's Package Store is located. They would like to remove the mobile homes on the property and expand the commercial use and incorporate apartments above. It is zoned R-20 now and is serviced by town water and sewer. This intended use would need a mixed-use zone, which is something that the Commission has been considering when the regulations are reviewed next. Mr. Loomis stated that this is a plan for the future and not for immediate use.

Charles Paquette suggested that they leave the plans so that it can be reviewed with the Town attorney for his input.

1-060-935-5290 TOWN OF THOMPSON P. 15/16

P.11 PAGE 09

MUNICIPAL BUILDING 815 RUYERSDE DRIVE NORTH GROSVENORDALE, CT 06255 TELEPHONE: (080) 923-1852 FACSUMILE: (060) 923-9897

### TOWN of THOMPSON

PLANNING & ZONING COMMISSION

### MINUTES PLANNING & ZONING COMMISSION MONDAY, NOVEMBER 28, 2005 \* 7:00 PM MERRILL SENEY COMMUNITY ROOM

Page 9 of 10

- 8). Signing of Mylars (requires a roll call vote) None this evening
- 9). Applications received after agenda None this evening
- 10. Monthly Budget Review John Rice has reviewed and everything is okay.
- 11). Old Business
  - Status of reclamation of former DiBonaventura gravel bank on New Road now owned by Fossile - The Cease & Desist Order has been sent.

### 12). New Business

- There will be discussion about forming of a committee to review the regulations at a future meeting.
- John Rice wants to request that applicants submit 5 prints versus the required 3 prints so that Conservation and the Highway Foreman could each have a plan to review. John Rice made a motion to request five copies from applicants in the future, seconded by D. R. Hoenig. All in favor, motion carries.
- John Rice mentioned that there will be a Sustainable Design in our Communities Seminar by the Green Valley Institute for Land Use on December 6<sup>th</sup>, 2005 at the Publick House in Sturbridge, MA from 5:30 to 8:30 PM, if any commission members are interested in attending. There are two speakers and a dinner buffet. The cost is \$25 each person.
- 13). Citizens Comments None this evening
- 14). Review of ZBA Applications -

ZBA Application # 05-12 - Celina Burnett, 15 Jensen Drive, Map 143, Block 16, Lot 7M, Zoned R-40 for a reduction in right & left sideyard setbacks from 25' to 5'. Existing/former setback was 15' from right-ofway. Article V, Section 1.

Hardship: Fire destroyed former 40' mobile home and applicant can only replace with 48' mobile home.

FAX NO. 1-860-935-5290

TOWN OF THOMPSON

P. 16/16

P.12

MUNICIPAL BUILDING BIS RIVERSIDE DRIVE NORTH GROSVENORDALE, CT 06255 TELEPHONE: (860) 923-1652 FACSIMILE: (860) 923-9687

### TOWN of THOMPSON

PLANNING & ZONING COMMISSION

### MINUTES PLANNING & ZONING COMMISSION MONDAY, NOVEMBER 28, 2005 \* 7:00 PM MERRILL SENEY COMMUNITY ROOM

Page 10 of 10

It was the consensus of the Commission not to comment on this application.

### 15. Adjourn

Prior to adjournment, Charles Paquette welcomed back members who were re-elected and newest member, Peter Nedzweckas.

John Rice made a motion to adjourn the meeting, seconded by D. R. Hoenig. All in favor, motion carries. The meeting adjourned at 10:26 PM.

Respectfully Submitted,

allara Barbara R. Pickett

Recording Secretary

# **ATTACHMENT 2**



### STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL Ten Franklin Square, New Britain, CT 06051 Phone: (860) 827-2935 Fax: (860) 827-2950 E-Mail: siting.council@po.state.ct.us www.ct.gov/csc

December 19, 2005

Christopher B. Fisher, Esq. Cuddy & Feder LLP 90 Maple Avenue White Plains, NY 10601-5196

RE: **TS-CING-141-050801** - New Cingular Wireless PCS, LLC request for an order to approve tower sharing at an approved telecommunications facility located at 720 Quinebaug Road, Thompson, Connecticut.

Dear Attorney Fisher:

At a public meeting held December 14, 2005, the Connecticut Siting Council (Council) ruled that the shared use of this approved tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures with the condition that the revised tower design drawings (reflecting the height of 125') are submitted to Council. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Any additional change to this facility may require an explicit request to this agency pursuant to General Statutes § 16-50aa or notice pursuant to Regulations of Connecticut State Agencies Section 16-50j-73, as applicable. Such request or notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction. Please be advised that the validity of this action shall expire one year from the date of this letter.

The proposed shared use is to be implemented as specified in your letter dated August 1, 2005, and additional correspondence dated December 5, 2005, including the placement of all necessary equipment and shelters within the tower compound.

Thank you for your attention and cooperation.

Very truly yours

Pamela B. Katz, P.E Chairman

PBK/laf

c: The Honorable A. David Babbitt, First Selectman, Town of Thompson John E. Mahon, Jr., Zoning Enforcement Officer, Town of Thompson Quinebaug Volunteer Fire Department



# **ATTACHMENT 3**



STATE OF CONNECTICUT CONNECTICUT SITING COUNCIL Ten Franklin Square, New Britain, CT 06051 Phone: (860) 827-2935 Fax: (860) 827-2950 E-Mail: siting.council@ct.gov www.ct.gov/csc

March 16, 2018

Kyle Richers Transcend Wireless 10 Industrial Avenue, Suite 3 Mahwah, NJ 07430

RE: **TS-T-MOBILE-141-180221** - T-Mobile request for an order to approve tower sharing at an existing telecommunications facility located at 720 Quinebaug Road, Thompson, Connecticut.

Dear Mr. Richers:

At a public meeting held on March 15, 2018, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures with the following conditions:

- 1. Prior to antenna installation, the tower shall be modified in accordance with the Structural Analysis Report prepared by Centek Engineering dated January 25, 2018, stamped and signed by Timothy J. Lynn;
- 2. Within 45 days following completion of the equipment installation, T-Mobile shall provide documentation certified by a Professional Engineer that its installation complied with the recommendations presented in the Structural Analysis Report;
- 3. Any deviation from the proposed installation as specified in the original tower share request and supporting materials with the Council shall render this decision invalid;
- 4. Any material changes to the proposed installation as specified in the original tower share request and supporting materials filed with the Council shall require an explicit request for modification to the Council pursuant to Connecticut General Statutes § 16-50aa, including all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65;
- 5. Not less than 45 days after completion of the proposed installation, the Council shall be notified in writing that the installation has been completed;
- 6. Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by T-Mobile shall be removed within 60 days of the date the antenna ceased to function;
- 7. The validity of this action shall expire one year from the date of this letter; and
- 8. The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.



This decision is under the exclusive jurisdiction of the Council and applies only to this request for tower sharing dated February 3, 2018. This facility has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower. Any deviation from the approved tower sharing request is enforceable under the provisions of Connecticut General Statutes § 16-50u.

The proposed shared use is to be implemented as specified in your letter dated February 13, 2018, including the placement of all necessary equipment and shelters within the tower compound.

Please be advised that the validity of this action shall expire one year from the date of this letter.

Thank you for your attention and cooperation.

Sincerely, TIMAB

Robert Stein Chairman

RS/MAB/lm

c: The Honorable Ken L. Beausoleil, First Selectman, Town of Thompson Mary Ann Chinatti, Director of Planning and Development, Town of Thompson Quinebaug Volunteer Fire Department

# **ATTACHMENT 4**

## **GENERAL NOTES**

1.	ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL
	BUILDING CODE AS MODIFIED BY THE 2018 CONNECTICUT
	SUPPLEMENT, INCLUDING THE TIA/EIA-222 REVISION "G" "STRUCTURAL
	STANDARDS FOR STEEL ANTENNA TOWERS AND SUPPORTING
	STRUCTURES." 2017 CONNECTICUT FIRE SAFETY CODE, NATIONAL
	ELECTRICAL CODE AND LOCAL CODES.

- CONTRACTOR SHALL REVIEW ALL DRAWINGS AND SPECIFICATIONS IN 2. THE CONTRACT DOCUMENT SET. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN IN THE SET OF DRAWINGS. THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF DRAWINGS TO ALL SUBCONTRACTORS AND ALL RELATED PARTIES. THE SUBCONTRACTORS SHALL EXAMINE ALL THE DRAWINGS AND SPECIFICATIONS FOR THE INFORMATION THAT AFFECTS THEIR WORK.
- CONTRACTOR SHALL PROVIDE A COMPLETE BUILD-OUT WITH ALL FINISHES, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS AND PROVIDE ALL ITEMS AS SHOWN OR INDICATED ON THE DRAWINGS OR IN THE WRITTEN SPECIFICATIONS.
- CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT 4. TO COMPLETE THE WORK AND FURNISH A COMPLETED JOB ALL IN ACCORDANCE WITH LOCAL AND STATE GOVERNING AUTHORITIES AND OTHER AUTHORITIES HAVING LAWFUL JURISDICTION OVER THE WORK.
- CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND ALL 5. INSPECTIONS REQUIRED AND SHALL ALSO PAY FEES REQUIRED FOR THE GENERAL CONSTRUCTON, PLUMBING, ELECTRICAL, AND HVAC. PERMITS SHALL BE PAID FOR BY THE RESPECTIVE SUBCONTRACTORS.
- CONTRACTOR SHALL MAINTAIN A CURRENT SET OF DRAWINGS AND SPECIFICATIONS ON SITE AT ALL TIMES AND INSURE DISTRIBUTION AND SPECIFICATIONS ON SITE AT ALL TIMES AND INSURE DISTRIBUTION OF NEW DRAWINGS TO SUBCONTRACTORS AND OTHER RELEVANT PARTIES AS SOON AS THEY ARE MADE AVAILABLE. ALL OLD DRAWINGS SHALL BE MARKED VOID AND REMOVED FROM THE CONTRACT AREA. THE CONTRACTOR SHALL FURNISH AN 'AS-BUILT' SET OF DRAWINGS TO OWNER UPON COMPLETION OF PROJECT.
- LOCATION OF EQUIPMENT, AND WORK SUPPLIED BY OTHERS THAT IS DIAGRAMMATICALLY INDICATED ON THE DRAWINGS SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL DETERMINE LOCATIONS AND DIMENSIONS SUBJECT TO STRUCTURAL CONDITIONS AND WORK OF THE SUBCONTRACTORS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE TO DETERMINE 8. CONSTRUCTION PROCEDURE AND SEQUENCE AND TO ENSURE THE SAFETY OF THE EXISTING STRUCTURES AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY.
- 9. DRAWINGS INDICATE THE MINIMUM STANDARDS, BUT IF ANY WORK SHOULD BE INDICATED TO BE SUBSTANDARD TO ANY ORDINANCES. LAWS, CODES, RULES, OR REGULATIONS BEARING ON THE WORK, THE CONTRACTOR SHALL INCLUDE IN HIS WORK AND SHALL EXECUTE THE WORK CORRECTLY IN ACCORDANCE WITH SUCH ORDINANCES, LAWS, CODES, RULES OR REGULATIONS WITH NO INCREASE IN COSTS.

- 10. ALL UTILITY WORK SHALL BE IN ACCORDANCE WITH LOCAL UTILITY COMPANY REQUIREMENTS AND SPECIFICATIONS.
- 11. ALL EQUIPMENT AND PRODUCTS PURCHASED ARE TO BE REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUBCONTRACTORS FOR ANY CONDITION PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO SUPPLY THESE ITEMS AT NO COST TO OWNER OR CONSTRUCTION MANAGER.
- 12. ANY AND ALL ERRORS, DISCREPANCIES, AND 'MISSED' ITEMS ARE TO BE BROUGHT TO THE ATTENTION OF THE T-MOBILE CONSTRUCTION MANAGER DURING THE BIDDING PROCESS BY THE CONTRACTOR. ALL THESE ITEMS ARE TO BE INCLUDED IN THE BID. NO 'EXTRA' WILL BE ALLOWED FOR MISSED ITEMS.
- 13. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE SAFETY FROM THE TIME THE JOB IS AWARDED UNTIL ALL WORK IS COMPLETE AND ACCEPTED BY THE OWNER.
- 14. CONTRACTOR TO REVIEW ALL SHOP DRAWINGS AND SUBMIT COPY TO ENGINEER FOR APPROVAL. DRAWINGS MUST BEAR THE CHECKER'S INITIALS BEFORE SUBMITTING TO THE CONSTRUCTION MANAGER FOR REVIEW.
- 15. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES AND EXISTING CONDITIONS AT THE SITE, PRIOR TO FABRICATION AND/OR INSTALLATION OF ANY WORK IN THE CONTRACT AREA.
- 16. COORDINATION, LAYOUT, FURNISHING AND INSTALLATION OF CONDUITS AND ALL APPURTENANCES REQUIRED FOR PROPER INSTALLATION OF ELECTRICAL AND TELECOMMUNICATION SERVICE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 17. ALL DAMAGE CAUSED TO ANY EXISTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE HELD LIABLE FOR ALL REPAIRS REQUIRED FOR EXISTING STRUCTURES IF DAMAGED DURING CONSTRUCTION ACTIVITIES.
- 18. THE CONTRACTOR SHALL CONTACT 'CALL BEFORE YOU DIG' AT LEAST 48 HOURS PRIOR TO ANY EXCAVATIONS AT 1-800-922-4455. ALL UTILITIES SHALL BE IDENTIFIED AND CLEARLY MARKED. CONTRACTOR SHALL MAINTAIN AND PROTECT MARKED UTILITIES THROUGHOUT PROJECT COMPLETION.
- 19. CONTRACTOR SHALL COMPLY WITH THE OWNER'S ENVIRONMENTAL ENGINEER ON ALL METHODS AND PROVISIONS FOR ALL EXCAVATION ACTIVITIES INCLUDING SOIL DISPOSAL. ALL BACKFILL MATERIALS TO BE PROVIDED BY THE CONTRACTOR.

# - Mobile-SITE NAME: CTNL193A SITE ID: CTNL193A 720 QUINEBAUG RD QUINEBAUG, CT 06262

	RIFFIN ROAD SOUTH MFIELD, CT 06002	TO: 720 QUINEBAUG ROA QUINEBAUG, CT 062
	N GRIFFIN ROAD S. TOWARD HARTMAN RD. RIGHT ONTO DAY HILL RD.	0.30 I 3.64 I
3. MERGE ONTO I-	-91 S TOWARD HARTFORD	3.99
	-291 EAST VIA EXIT 35A TOWARD MANCHESTER -84 E/WILBUR CROSS HWY N VIA LEFT EXIT TOWA	6.18 RD BOSTON 24.79
6. TAKE THE CT-1	90 EXIT, EXIT 73 TOWARD UNION	0.24
8. TURN RIGHT ON	ITO BUCKLEY HWY/CT-190 ITO BIGELOW HOLLOW RD/CT-171/CT-197	1.90 2.29
9. TURN LEFT ONT	O LAWSON RD/CT-197 CONTINUE TO FOLLOW CT- TO QUINEBAUG RD/CT-131	-197 10.65 0.12
11. FINISH AT 720	QUINEBAUG ROAD, QUINEBAUG, CT 06262	0.12
	LATITUDE: 42°-01'-22.25" N	COORDINATES AND GROUND ELEVATIO
	LONGITUDE: 71°-56'-57.17" W	ARE REFERENCED FROM GOOGLE EAR
	GROUND ELEVATION: 368.14'± AMSL	
1		31) ( ( )
Louis A		
T T T	to the state of th	
MY V		Le al Ur
1111	100 ···	
Dive-in		
Theater		ATION
11/12		gl. C
11/11/2		STOP I VI
Gaging		
Star		
		Mr. and
aug.		1.1.
13CA		· · ·
A.MA	Trailer	10. X
0.1: .	Rark	O MON
OUKE S		
	VICINITY MAP	(

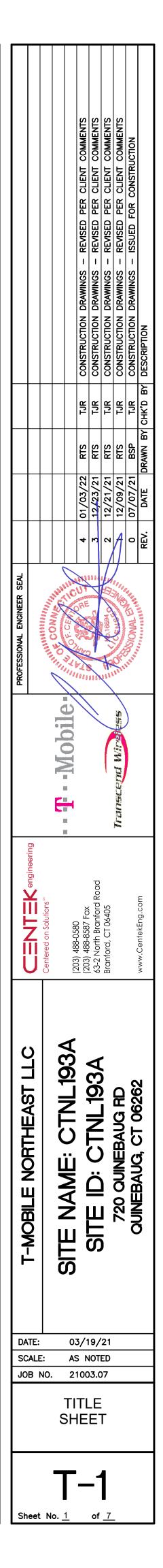
PF	ROJECT SUMMARY
Т	HE PROPOSED SCOPE OF WORK CONSISTS OF A MODIFICATION O THE EXISTING UNMANNED TELECOMMUNICATIONS FACILITY ICLUDING THE FOLLOWING:
А.	INSTALL (1) NEW 25 KW DIESEL FUELED BACK—UP GENERATOR ON A PROPOSED 10' x 4' CONCRETE PAD WITHIN THE EXISTING COMPOUND

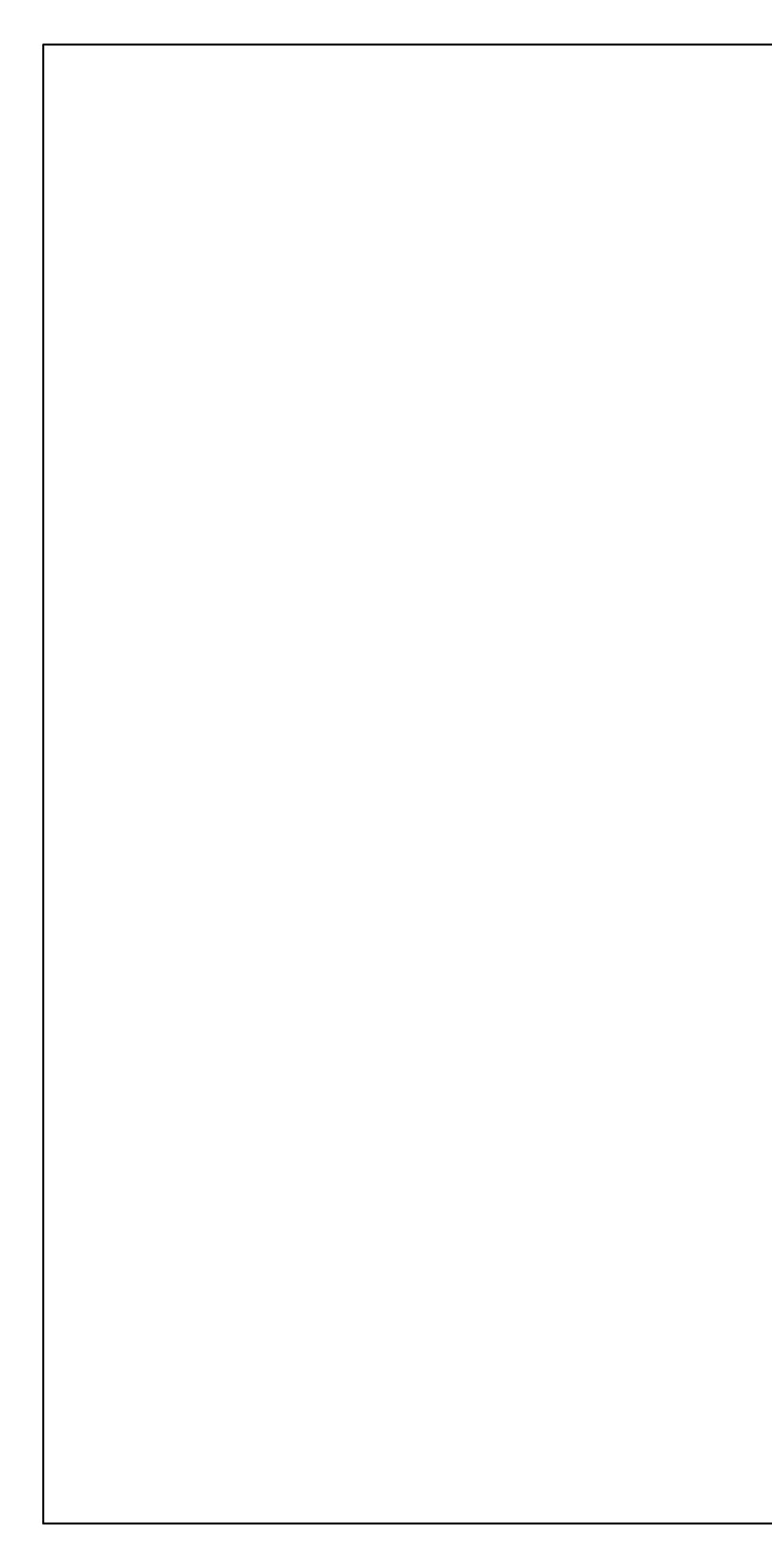
B. INSTALL (1) 200A AUTOMATIC TRANSFER SWITCH ON A PROPOSED UTILITY FRAME

## **PROJECT INFORMATION**

	SITE NAME:	CTNL193A
	SITE ID:	CTNL193A
:	SITE ADDRESS:	720 QUINEBAUG ROAD QUINEBAUG, CT 06262
,	APPLICANT:	T–MOBILE NORTHEAST, LLC 35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002
	CONTACT PERSON:	DAN REID (PROJECT MANAGER) TRANSCEND WIRELESS, LLC (203) 592-8291
l	ENGINEER OF RECORD:	CENTEK ENGINEERING, INC. 63–2 NORTH BRANFORD RD. BRANFORD, CT 06405
		CARLO F. CENTORE, PE (203) 488–0580 EXT. 122
l	PROJECT COORDINATES:	LATITUDE: 42°–01'–22.25" N LONGITUDE: 71°–56'–57.17" W GROUND ELEVATION: 368.14'± AMSL
		SITE COORDINATES AND GROUND ELEVATION REFERENCED FROM GOOGLE EARTH.

SHEET INDEX					
SHT. NO.	DESCRIPTION				
T-1	TITLE SHEET	4			
N-1	GENERAL NOTES AND SPECIFICATIONS				
C-1	ABUTTERS MAP				
C-2	COMPOUND AND EQUIPMENT PLANS				
C-3					
E-1	TYPICAL ELECTRICAL DETAILS	4			
E-2	ELECTRICAL SPECIFICATIONS	4			





## NOTES AND SPECIFICATIONS

## **DESIGN BASIS**:

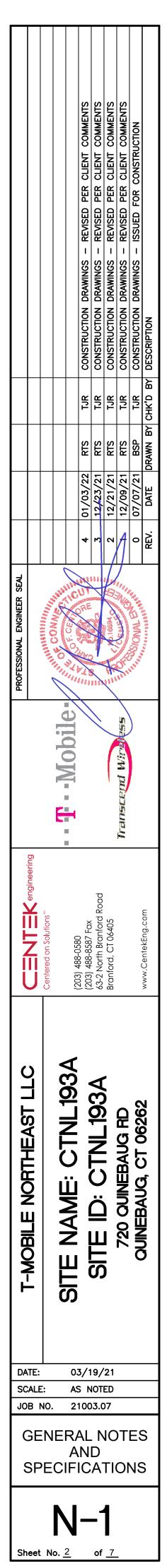
GOVERNING CODE: 2015 INTERNATIONAL BUILDING (IBC) AS MODIFIED BY THE 2018 CONNECTICUT STATE BUILDING CODE.

- 1. DESIGN CRITERIA:
- RISK CATEGORY II (BASED ON IBC TABLE 1604.5)
- NOMINAL DESIGN SPEED (OTHER STRUCTURE): 120 MPH (Vasd) (EXPOSURE B/ IMPORTANCE FACTOR 1.0 BASED ON ASCE 7-10

## <u>SITE NOTES</u>

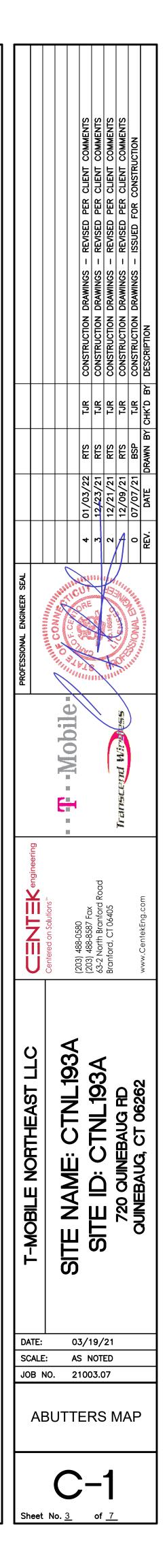
- 1. THE CONTRACTOR SHALL CALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.
- 2. ACTIVE EXISTING UTILITIES, WHERE ENCOUNTERED IN THE WORK, SH PROTECTED AT ALL TIMES. THE ENGINEER SHALL BE NOTIFIED IMMEI PRIOR TO PROCEEDING, SHOULD ANY UNCOVERED EXISTING UTILITY PRECLUDE COMPLETION OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 3. THE AREAS OF THE COMPOUND DISTURBED BY THE WORK SHALL BI RETURNED TO THEIR ORIGINAL CONDITION.
- 4. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURIN CONSTRUCTION. EROSION CONTROL MEASURES, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SED CONTROL.
- IF ANY FIELD CONDITIONS EXIST WHICH PRECLUDE COMPLIANCE WITH DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGIN AND SHALL PROCEED WITH AFFECTED WORK AFTER CONFLICT IS SATISFACTORILY RESOLVED.

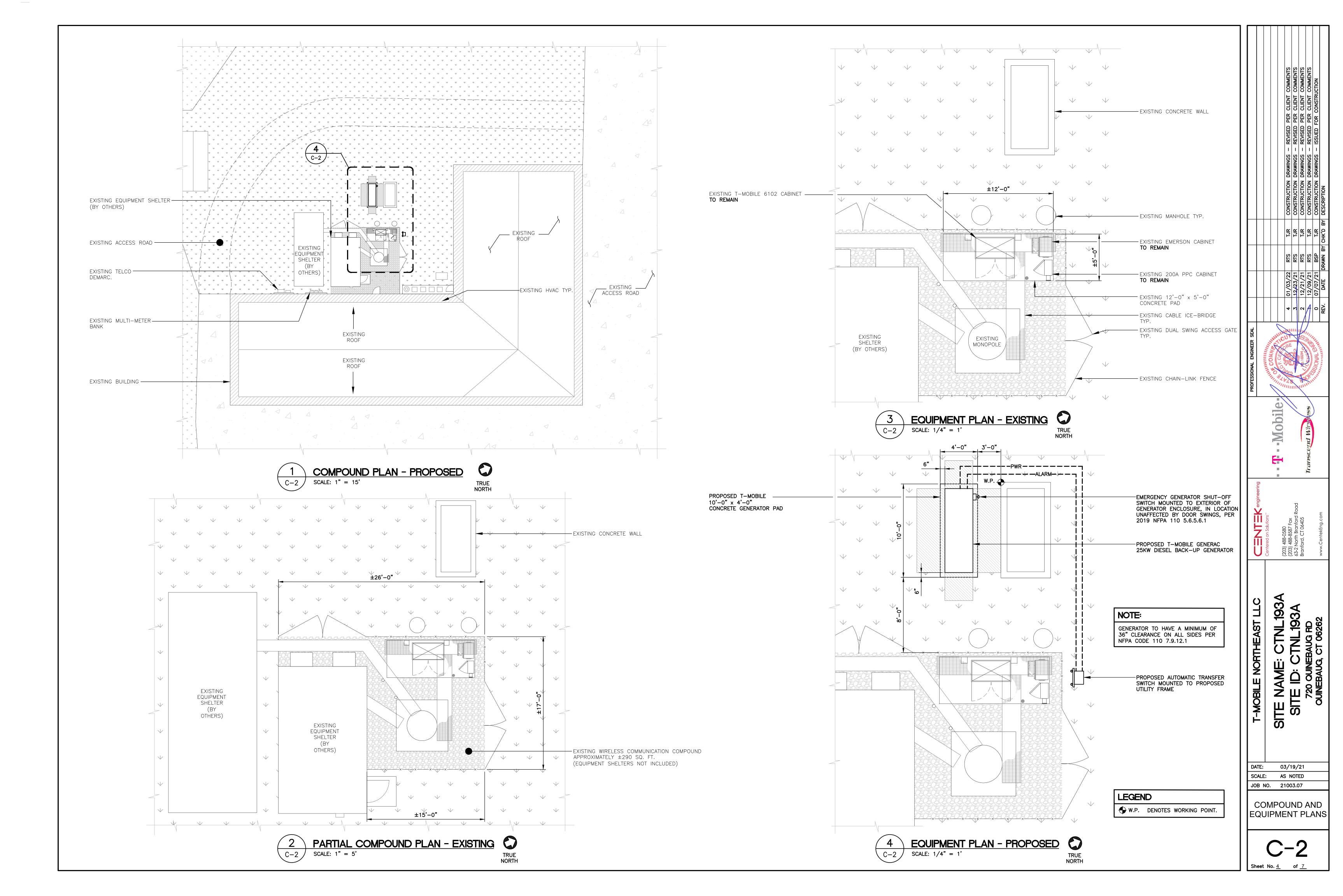
	GE	NERAL NOTES
	1.	ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2018 CONNECTICUT SUPPLEMENT, INCLUDING THE TIA/EIA-222 REVISION "G" "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND SUPPORTING STRUCTURES." 2017 CONNECTICUT FIRE SAFETY CODE, NATIONAL ELECTRICAL CODE AND LOCAL CODES.
	2.	CONTRACTOR SHALL REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENT SET. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN IN THE SET OF DRAWINGS. THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF DRAWINGS TO ALL SUBCONTRACTORS AND ALL RELATED PARTIES. THE SUBCONTRACTORS SHALL EXAMINE ALL THE DRAWINGS AND SPECIFICATIONS FOR THE INFORMATION THAT AFFECTS THEIR WORK.
L BE MELY,	3.	CONTRACTOR SHALL PROVIDE A COMPLETE BUILD-OUT WITH ALL FINISHES, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS AND PROVIDE ALL ITEMS AS SHOWN OR INDICATED ON THE DRAWINGS OR IN THE WRITTEN SPECIFICATIONS.
,	4.	CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT TO COMPLETE THE WORK AND FURNISH A COMPLETED JOB ALL IN ACCORDANCE WITH LOCAL AND STATE GOVERNING AUTHORITIES AND OTHER AUTHORITIES HAVING LAWFUL JURISDICTION OVER THE WORK.
INT	5.	CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND ALL INSPECTIONS REQUIRED AND SHALL ALSO PAY FEES REQUIRED FOR THE GENERAL CONSTRUCTION, PLUMBING, ELECTRICAL AND HVAC. PERMITS SHALL BE PAID FOR BY THE RESPECTIVE SUBCONTRACTORS.
HE	6.	CONTRACTOR SHALL MAINTAIN A CURRENT SET OF DRAWINGS AND SPECIFICATIONS ON SITE AT ALL TIMES AND INSURE DISTRIBUTION OF NEW DRAWINGS TO SUBCONTRACTORS AND OTHER RELEVANT PARTIES AS SOON AS THEY ARE MADE AVAILABLE. ALL OLD DRAWINGS SHALL BE MARKED VOID AND REMOVED FROM THE CONTRACT AREA. THE CONTRACTOR SHALL FURNISH AN 'AS-BUILT' SET OF DRAWINGS TO OWNER UPON COMPLETION OF PROJECT.
	7.	LOCATION OF EQUIPMENT AND WORK SUPPLIED BY OTHERS THAT IS DIAGRAMMATICALLY INDICATED ON THE DRAWINGS, SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL DETERMINE LOCATIONS AND DIMENSIONS SUBJECT TO STRUCTURAL CONDITIONS AND WORK OF THE SUBCONTRACTORS.
	8.	THE CONTRACTOR IS SOLELY RESPONSIBLE TO DETERMINE CONSTRUCTION PROCEDURE AND SEQUENCE, AND TO ENSURE THE SAFETY OF THE EXISTING STRUCTURES AND IT'S COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY.
	9.	DRAWINGS INDICATE THE MINIMUM STANDARDS, BUT IF ANY WORK SHOULD BE INDICATED TO BE SUBSTANDARD TO ANY ORDINANCES, LAWS, CODES, RULES, OR REGULATIONS BEARING ON THE WORK, THE CONTRACTOR SHALL INCLUDE IN HIS WORK AND SHALL EXECUTE THE WORK CORRECTLY IN ACCORDANCE WITH SUCH ORDINANCES, LAWS, CODES, RULES OR REGULATIONS WITH NO INCREASE IN COSTS.
	10.	ALL UTILITY WORK SHALL BE IN ACCORDANCE WITH LOCAL UTILITY COMPANY REQUIREMENTS AND SPECIFICATIONS.
	11.	ALL EQUIPMENT AND PRODUCTS PURCHASED ARE TO BE REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUBCONTRACTORS FOR ANY CONDITION PER MFR.'S RECOMMENDATIONS. CONTRACTOR TO SUPPLY THESE ITEMS AT NO COST TO OWNER OR CONSTRUCTION MANAGER.
	12.	ANY AND ALL ERRORS, DISCREPANCIES, AND "MISSED" ITEMS, ARE TO BE BROUGHT TO THE ATTENTION OF THE SITE OWNER'S CONSTRUCTION MANAGER DURING THE BIDDING PROCESS BY THE CONTRACTOR. ALL THESE ITEMS ARE TO BE INCLUDED IN THE BID. NO 'EXTRA' WILL BE ALLOWED FOR MISSED ITEMS.
	13.	CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE SAFETY FROM THE TIME THE JOB IS AWARDED UNTIL ALL WORK IS COMPLETE AND ACCEPTED BY THE OWNER.
	14.	CONTRACTOR TO REVIEW ALL SHOP DRAWINGS AND SUBMIT COPY TO ENGINEER FOR APPROVAL. DRAWINGS MUST BEAR THE CHECKER'S INITIALS BEFORE SUBMITTING TO THE CONSTRUCTION MANAGER FOR REVIEW.
	15.	THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES, AND EXISTING CONDITIONS AT THE SITE, PRIOR TO FABRICATION AND/OR INSTALLATION OF ANY WORK IN THE CONTRACT AREA.
	16.	COORDINATION, LAYOUT, FURNISHING AND INSTALLATION OF CONDUIT AND ALL APPURTENANCES REQUIRED FOR PROPER INSTALLATION OF ELECTRICAL AND TELECOMMUNICATION SERVICE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
	17.	ALL DAMAGE CAUSED TO ANY EXISTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE HELD LIABLE FOR ALL REPAIRS REQUIRED FOR EXISTING STRUCTURES IF DAMAGED DURING CONSTRUCTION ACTIVITIES.
	18.	THE CONTRACTOR SHALL CONTACT "DIG SAFE" (DIAL 811) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATIONS. ALL UTILITIES SHALL BE IDENTIFIED AND CLEARLY MARKED. CONTRACTOR SHALL MAINTAIN AND PROTECT MARKED UTILITIES THROUGHOUT PROJECT COMPLETION.
	19.	CONTRACTOR SHALL COMPLY WITH OWNER'S ENVIRONMENTAL ENGINEER ON ALL METHODS AND PROVISIONS FOR ALL EXCAVATION ACTIVITIES INCLUDING SOIL DISPOSAL. ALL BACKFILL MATERIALS TO BE PROVIDED BY THE CONTRACTOR.
	20.	THE COUNTY/CITY/TOWN WILL MAKE PERIODIC FIELD OBSERVATION AND INSPECTIONS TO MONITOR THE INSTALLATION, MATERIALS, WORKMANSHIP AND EQUIPMENT INCORPORATED INTO THE PROJECT TO ENSURE COMPLIANCE WITH THE DESIGN PLANS, SPECIFICATIONS, CONTRACT DOCUMENTS AND APPROVED SHOP DRAWINGS.
	21.	THE COUNTY/CITY/TOWN MUST BE NOTIFIED (2) WORKING DAYS PRIOR TO CONCEALMENT/BURIAL OF ANY SYSTEM OR MATERIAL THAT WILL PREVENT THE DIRECT INSPECTION OF MATERIALS, METHODS OR WORKMANSHIP. EXAMPLES OF THESE PROCESSES ARE BACKFILLING A GROUND RING OR TOWER FOUNDATION, POURING TOWER FOUNDATIONS, BURYING GROUND RODS, PLATES OR GRIDS, ETC. THE CONTRACTOR MAY PROCEED WITH THE SCHEDULED PROCESS (2) WORKING DAYS AFTER PROVIDING NOTICE UNLESS NOTIFIED OTHERWISE BY THE COUNTY/CITY/TOWN.

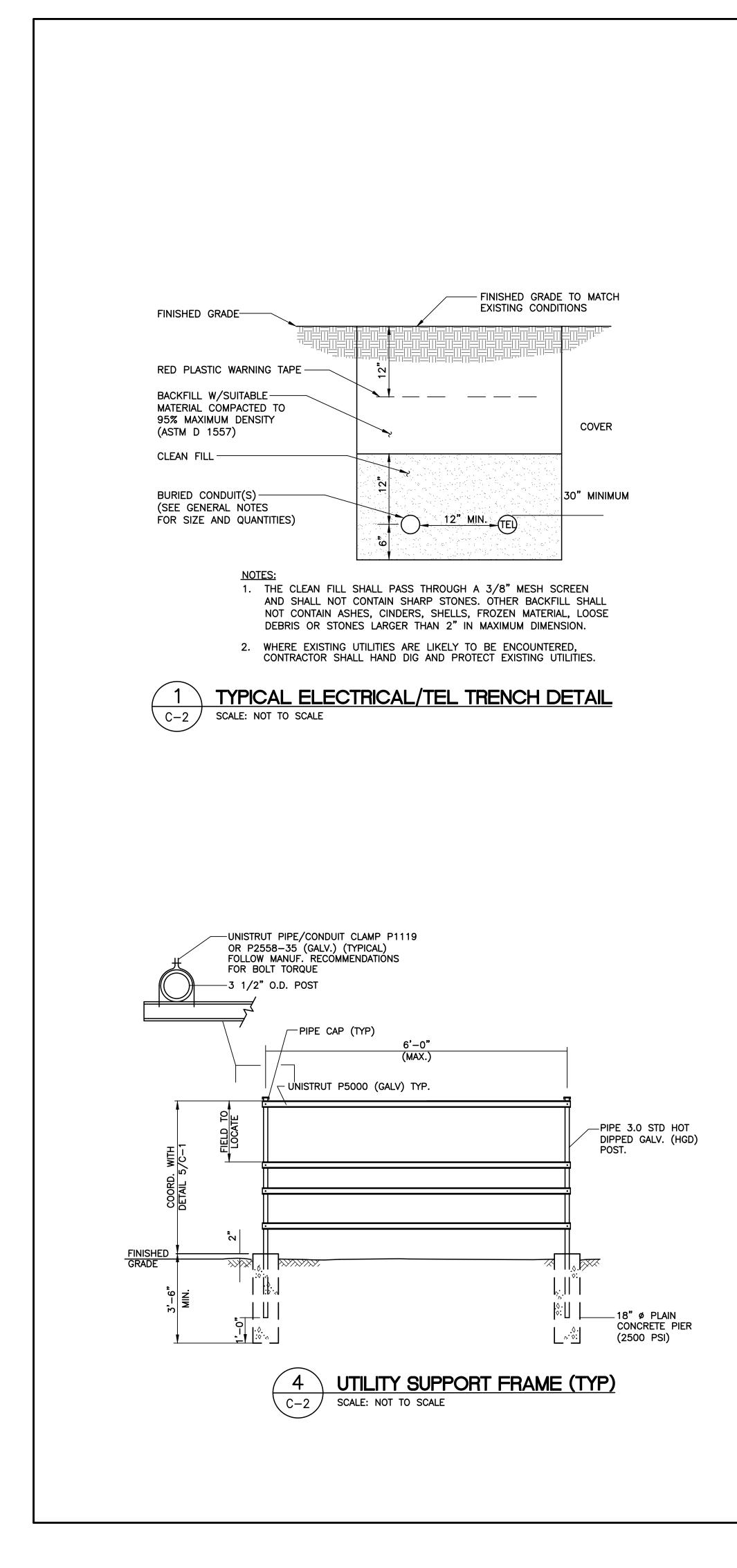


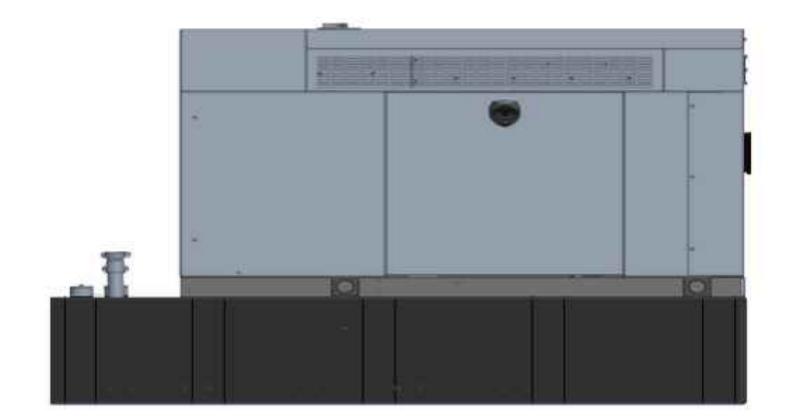


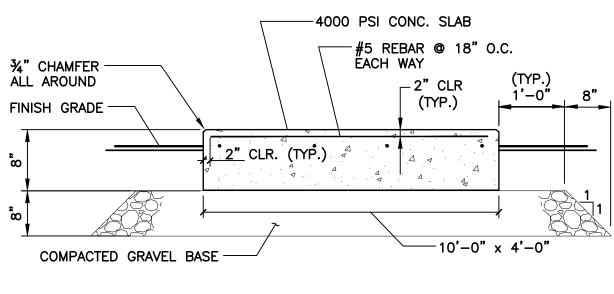














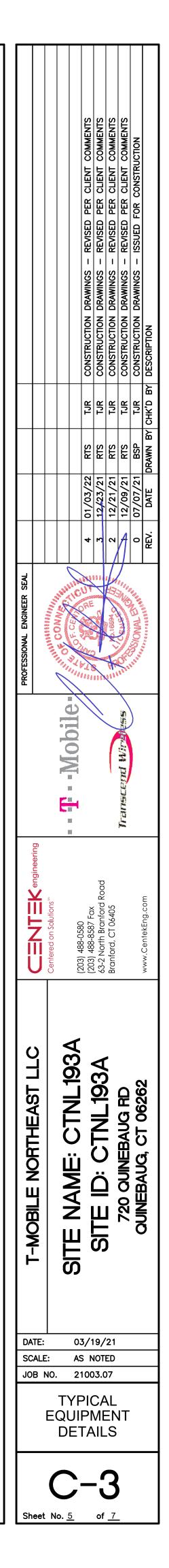
TYPICAL CONCRETE PAD DETAIL SCALE: NOT TO SCALE

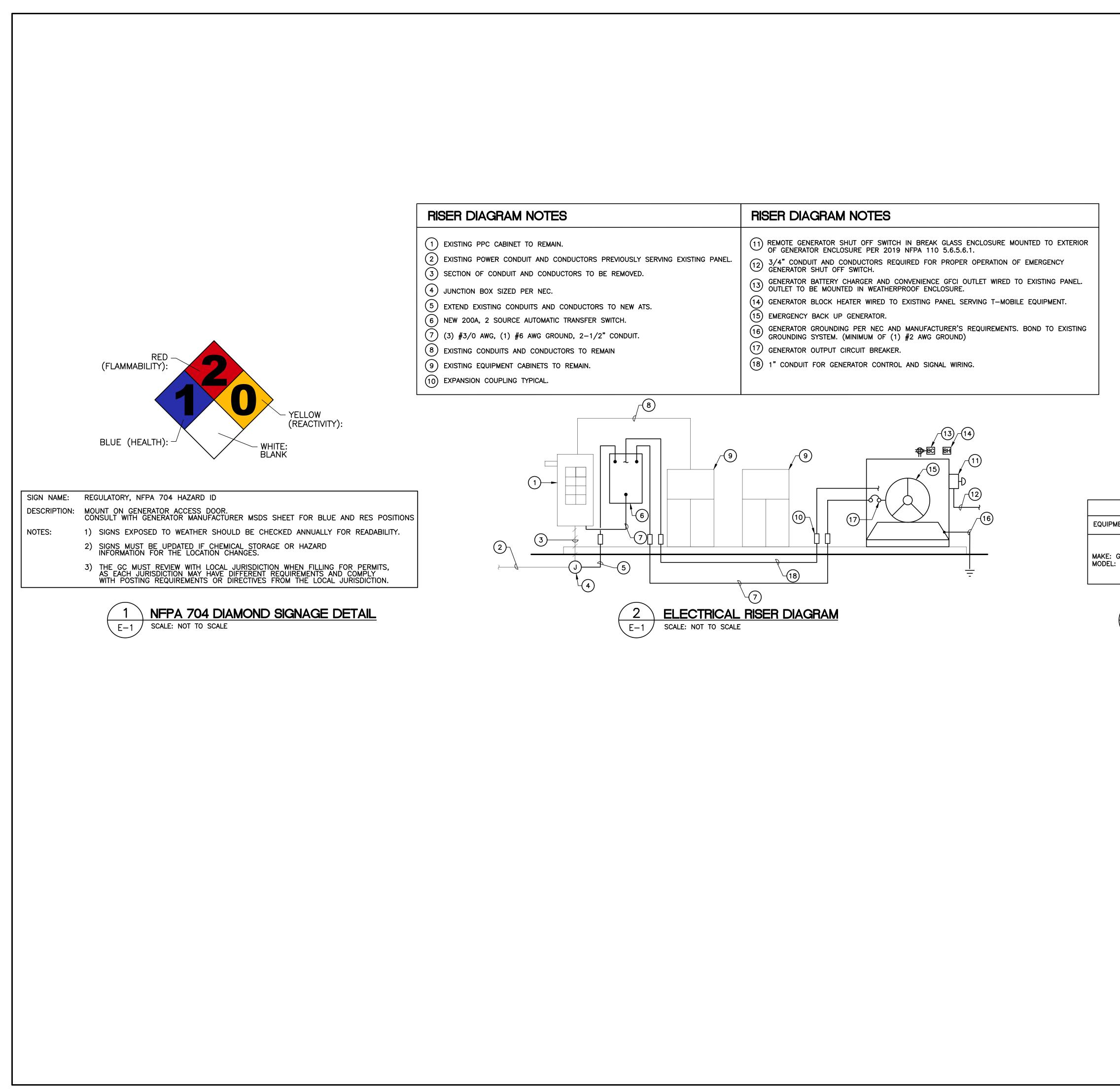
BACKUP POWER GENERATOR							
EQUIPMENT	POWER GENERATED	FUEL	MODEL NUMBER	FUEL TANK SIZE (GAL)	DIMENSIONS	WEIGHT	
MAKE: GENERAC MODEL: RD025	25 KW, AC	DIESEL	7192–0	229	103.4"L x 35.0"W x 91.7"H	2123 LBS.	
NOTES: 1. FUEL LEVEL/SECONDARY CONTAINMENT SHALL BE ALARMED AND IN COMMUNICATION WITH T-MOBILE'S NOC.							
2. CONTRACTOR TO COORDINATE FINAL EQUIPMENT MODEL SELECTION AND ALL OPTIONAL FEATURES WITH T-MOBILE'S CONSTRUCTION MANAGER PRIOR TO ORDERING.							

## <u><u></u> <u>></u> <u>PROPOSED GENERATOR DETAIL</u></u>

SCALE: NOT TO SCALE

、C−2 /



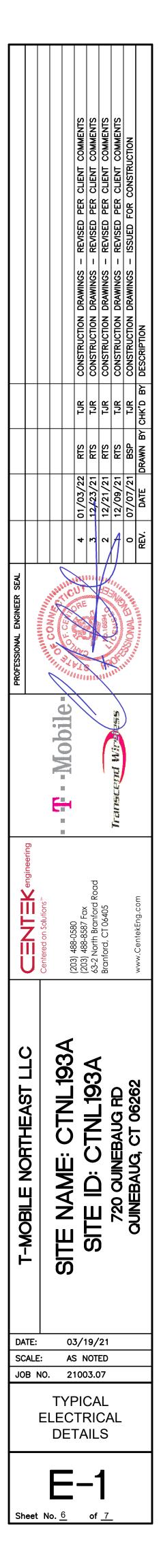




AUTOMATIC TRANSFER SWITCH								
MENT	PHASE	VOLTAGE	ENCLOSURE	AMP	DIMENSIONS			
GENERAC : RXSC200A3	1-PHASE	120/240	NEMA-3R	200	17.3"L x 12.5"W			



AUTOMATIC TRANSFER SWITCH DETAIL SCALE: NOT TO SCALE



## ELECTRICAL SPECIFICATIONS

## **SECTION 16010**

1.02. GENERAL REQUIREMENTS

- A. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE MADE IN STRICT ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES AND REGULATIONS WHICH MAY APPLY AND NOTHING IN THE DRAWINGS OR SPECIFICATIONS SHALL BE INTERPRETED AS AN INFRINGEMENT OF SUCH CODES OR REGULATIONS.
- B. THE ELECTRICAL CONTRACTOR IS TO BE RESPONSIBLE FOR THE COMPLETE INSTALLATION AND COORDINATION OF THE ENTIRE ELECTRICAL SERVICE. ALL ACTIVITIES TO BE COORDINATED THROUGH OWNERS REPRESENTATIVE. DESIGN ENGINEER AND OTHER AUTHORITIES HAVING JURISDICTION OF TRADES.
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND PAY ALL FEES THAT MAY BE REQUIRED FOR THE ELECTRICAL WORK AND FOR THE SCHEDULING OF ALL INSPECTIONS THAT MAY BE REQUIRED BY THE LOCAL AUTHORITY.
- D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE BUILDING OWNER FOR NEW AND/OR DEMOLITION WORK INVOLVED.
- E. NO MATERIAL OTHER THAN THAT CONTAINED IN THE "LATEST LIST OF ELECTRICAL FITTINGS" APPROVED BY THE UNDERWRITERS' LABORATORIES, SHALL BE USED IN ANY PART OF THE WORK. ALL MATERIAL FOR WHICH LABEL SERVICE HAS BEEN ESTABLISHED SHALL BEAR THE U.L. LABEL.
- F. THE CONTRACTOR SHALL GUARANTEE ALL NEW WORK FOR A PERIOD OF ONE YEAR FROM THE ACCEPTANCE DATE BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WARRANTIES FROM ALL EQUIPMENT MANUFACTURERS FOR SUBMISSION TO THE OWNER.
- G. DRAWINGS INDICATE GENERAL ARRANGEMENT OF WORK INCLUDED IN CONTRACT. CONTRACTOR SHALL, WITHOUT EXTRA CHARGE, MAKE MODIFICATIONS TO THE LAYOUT OF THE WORK TO PREVENT CONFLICT WITH WORK OF OTHER TRADES AND FOR THE PROPER INSTALLATION OF WORK. CHECK ALL DRAWINGS AND VISIT JOB SITE TO VERIFY SPACE AND TYPE OF EXISTING CONDITIONS IN WHICH WORK WILL BE DONE, PRIOR TO SUBMITTAL OF BID.
- H. THE ELECTRICAL CONTRACTOR SHALL SUPPLY THREE (3) COMPLETE SETS OF APPROVED DRAWINGS, ENGINEERING DATA SHEETS, MAINTENANCE AND OPERATING INSTRUCTION MANUALS FOR ALL SYSTEMS AND THEIR RESPECTIVE EQUIPMENT. THESE MANUALS SHALL BE INSERTED IN VINYL COVERED 3-RING BINDERS AND TURNED OVER TO OWNER'S REPRESENTATIVE ONE (1) WEEK PRIOR TO FINAL PUNCH LIST.
- I. ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER AND WILL BE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE.
- J. ALL EQUIPMENT AND MATERIALS TO BE INSTALLED SHALL BE NEW, UNLESS OTHERWISE NOTED.
- K. BEFORE FINAL PAYMENT, THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF PRINTS (AS-BUILTS), LEGIBLY MARKED IN RED PENCIL TO SHOW ALL CHANGES FROM THE ORIGINAL PLANS.
- L. PROVIDE TEMPORARY POWER AND LIGHTING IN WORK AREAS AS REQUIRED.
- M. SHOP DRAWINGS:
- 1. CONTRACTOR SHALL SUBMIT SIX (6) COPIES OF SHOP DRAWINGS ON ALL EQUIPMENT AND MATERIALS PROPOSED FOR USE ON THIS PROJECT, GIVING ALL DETAILS, WHICH INCLUDE DIMENSIONS, CAPACITIES, ETC.
- 2. CONTRACTOR SHALL SUBMIT SIX (6) COPIES OF ALL TEST REPORTS CALLED FOR IN THE SPECIFICATIONS AND DRAWINGS.
- N. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH OWNER'S SPECIFICATIONS, AND REQUIREMENTS OF ALL LOCAL AUTHORITIES HAVING JURISDICTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH APPROPRIATE INDIVIDUALS TO OBTAIN ALL SUCH SPECIFICATIONS AND REQUIREMENTS. NOTHING CONTAINED IN. OR OMITTED FROM. THESE DOCUMENTS SHALL RELIEVE CONTRACTOR FROM THIS OBLIGATION.

SECTION 16111

1.01. CONDUITS

- A. MINIMUM CONDUIT SIZE FOR BRANCH CIRCUITS, LOW VOLTAGE CONTROL AND ALARM CIRCUITS SHALL BE 3/4". CONDUITS SHALL BE PROPERLY FASTENED AS REQUIRED BY THE N.E.C.
- B. THE INTERIOR OF RACEWAYS/ENCLOSURES INSTALLED UNDERGROUND SHALL BE CONSIDERED TO BE WET LOCATION, INSULATED CONDUCTORS SHALL BE LISTED FOR USE IN WET LOCATIONS. PROVIDE WEATHERPROOF CONSTRUCTION IN WET LOCATIONS.
- C. CONDUIT INSTALLED UNDERGROUND SHALL BE INSTALLED TO MEET MINIMUM COVER REQUIREMENTS OF TABLE 300.5.
- D. PROVIDE RIGID GALVANIZED STEEL CONDUIT (RMC) FOR THE FIRST 10 FOOT SECTION WHEN LEAVING A BUILDING OR SECTIONS PASSING THROUGH FLOOR SLABS
- E. ONLY LISTED PVC CONDUIT AND FITTINGS ARE PERMITTED FOR THE INSTALLATION OF ELECTRICAL CONDUCTORS, SUITABLE FOR UNDERGROUND APPLICATIONS.

CONDUIT SCHEDULE SECTION 16111							
CONDUIT TYPE	NEC REFERENCE	APPLICATION	MIN. BURIAL DEPTH (PER NEC TABLE 300.5) <sup>2,3</sup>				
ЕМТ	ARTICLE 358	INTERIOR CIRCUITING, EQUIPMENT ROOMS, SHELTERS	N/A				
RMC, RIGID GALV. STEEL	ARTICLE 344, 300.5, 300.50	ALL INTERIOR/ EXTERIOR CIRCUITING, ALL UNDERGROUND INSTALLATIONS.	6 INCHES				
PVC, SCHEDULE 40	ARTICLE 352, 300.5, 300.50	INTERIOR/ EXTERIOR CIRCUITING AND GROUNDING SYSTEMS, UNDERGROUND INSTALLATIONS, WHERE NOT SUBJECT TO PHYSICAL DAMAGE. <sup>1</sup>	18 INCHES				
PVC, SCHEDULE 80	ARTICLE 352, 300.5, 300.50	INTERIOR/ EXTERIOR CIRCUITING AND GROUNDING SYSTEMS, UNDERGROUND INSTALLATIONS, WHERE SUBJECT TO PHYSICAL DAMAGE. <sup>1</sup>	18 INCHES				
LIQUID TIGHT FLEX. METAL	ARTICLE 350	SHORT LENGTHS (MAX. 3FT.) WIRING TO VIBRATING EQUIPMENT IN WET LOCATIONS.	N/A				
FLEX. METAL	ARTICLE 348	SHORT LENGTHS (MAX. 3FT.) WIRING TO VIBRATING EQUIPMENT IN WET LOCATIONS.	N/A				
<sup>1</sup> PHYSICAL DAMAGE IS SUBJECT TO THE AUTHORITY HAVING JURISDICTION.							
<sup>2</sup> UNDERGROUND CONDUIT INSTALLED UNDER ROADS, HIGHWAYS, DRIVEWAYS, PARKING LOTS SHALL HAVE MINIMUM DEPTH OF 24".							
<sup>3</sup> WHERE SOLID ROCK PREVENTS COMPLIANCE WITH MINIMUM COVER DEPTHS, WIRING SHALL BE INSTALLED IN PERMITTED							

3 WHERE SOLID ROCK PREVENTS COMPLIANCE WITH MINIMUM COVER DEPTHS, WIRING SHALL BE INSTALLED IN PERMITTED RACEWAY FOR DIRECT BURIAL. THE RACEWAY SHALL BE COVERED BY A MINIMUM OF 2" OF CONCRETE EXTENDING DOWN TO ROCK.

## **SECTION 16123**

- 1.01. CONDUCTORS
- A. ALL CONDUCTORS SHALL BE TYPE THWN (INT. APPLICATION) AND XHHW (EXT. APPLICATION), 75 DEGREE C, 600 VOLT INSULATION, SOFT ANNEALED STRANDED COPPER. #10 AWG AND SMALLER SHALL BE SPLICED USING ACCEPTABLE SOLDERLESS PRESSURE CONNECTORS. #8 AWG AND LARGER SHALL BE SPLICED USING COMPRESSION SPLIT-BOLT TYPE CONNECTORS. #12 AWG SHALL BE THE MINIMUM SIZE CONDUCTOR FOR LINE VOLTAGE BRANCH CIRCUITS. REFER TO PANEL SCHEDULE FOR BRANCH CIRCUIT CONDUCTOR SIZE(S). CONDUCTORS SHALL BE COLOR CODED FOR CONSISTENT PHASE IDENTIFICATION:
  - 120/208/240V 277/480V COLOR BLACK COLOR BROWN ORANGE RFD BLUF YELLOW CONTINUOUS WHITE GREY CONTINUOUS GREEN GREEN WITH YELLOW STRIPE
- B. MINIMUM BENDING RADIUS FOR CONDUCTORS SHALL BE 12 TIMES THE LARGEST DIAMETER OF BRANCH CIRCUIT CONDUCTOR.

## **SECTION 16130**

### 1.01. BOXES

- A. FURNISH AND INSTALL OUTLET BOXES FOR ALL DEVICES, SWITCHES, RECEPTACLES, ETC.. BOXES TO BE ZINC COATED STEEL.
- B. FURNISH AND INSTALL PULL BOXES IN MAIN FEEDERS RUNS WHERE REQUIRED. PULL BOXES SHALL BE GALVANIZED STEEL WITH SCREW REMOVABLE COVERS, SIZE AND QUANTITY AS REQUIRED. PROVIDE WEATHERPROOF CONSTRUCTION IN WET LOCATIONS.

## **SECTION 16140**

- 1.01. WIRING DEVICES
- A. THE FOLLOWING LIST IS PROVIDED TO CONVEY THE QUALITY AND RATING OF WIRING DEVICES WHICH ARE TO BE INSTALLED. A COMPLETE LIST OF ALL DEVICES MUST BE SUBMITTED BEFORE INSTALLATION FOR APPROVAL.
- 1. 15 MINUTE TIMER SWITCH INTERMATIC #FF15M (INTERIOR LIGHTS)
- 2. DUPLEX RECEPTACLE P&S #2095 (GFCI) SPECIFICATION GRADE
- 3. SINGLE POLE SWITCH P&S #CSB20AC2 (20A-120V HARD USE) SPECIFICATION GRADE
- 4. DUPLEX RECEPTACLE P&S #5362 (20A-120V HARD USE) SPECIFICATION GRADE
- B. PLATES ALL PLATES USED SHALL BE CORROSION RESISTANT TYPE 304 STAINLESS STEEL. PLATES SHALL BE FROM SAME MANUFACTURER AS SWITCHES AND RECEPTACLES. PROVIDE WEATHERPROOF HOUSING FOR DEVICES LOCATED IN WET LOCATIONS.
- C. OTHER MANUFACTURERS OF THE SWITCHES, RECEPTACLES AND PLATES MAY BE SUBMITTED FOR APPROVAL BY THE ENGINEER.

## **SECTION 16170**

1.01. DISCONNECT SWITCHES

A. FUSIBLE AND NON-FUSIBLE, 600V, HEAVY DUTY DISCONNECT SWITCHES SHALL BE AS MANUFACTURED BY SQUARE "D". PROVIDE FUSES AS CALLED FOR ON THE CONTRACT DRAWINGS. AMPERE RATING SHALL BE CONSISTENT WITH LOAD BEING SERVED. DISCONNECT SWITCH COVER SHALL BE MECHANICALLY INTERLOCKED TO PREVENT COVER FROM OPENING WHEN THE SWITCH IS IN THE "ON" POSITION. EXTERIOR APPLICATIONS SHALL BE NEMA 3R CONSTRUCTION WITH PADLOCK FEATURE.

### **SECTION 16190**

- 1.01. SEISMIC RESTRAINT
- A. ALL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH ZONE 2 SEISMIC REQUIREMENTS.

### **SECTION 16195**

- 1.01. LABELING AND IDENTIFICATION NOMENCLATURE FOR ELECTRICAL EQUIPMENT
- A. CONTRACTOR SHALL FURNISH AND INSTALL NON-METALLIC ENGRAVED BACK-LIT NAMEPLATES ON ALL PANELS AND MAJOR ITEMS OF ELECTRICAL EQUIPMENT
- B. LETTERS TO BE WHITE ON BLACK BACKGROUND WITH LETTERS 1-1/2 INCH HIGH WITH 1/4 INCH MARGIN.
- C. IDENTIFICATION NOMENCLATURE SHALL BE IN ACCORDANCE WITH OWNER'S STANDARDS.

# **SECTION 16450** 1.01. GROUNDING

- GROUNDING SOURCES.

- CORROSION

- RACEWAY(S).

- 1. GROUND BARS

- SPECIFICATIONS.

## **SECTION 16470**

### 1.01. DISTRIBUTION EQUIPMENT

## **SECTION 16477**

1.01. FUSES

## **SECTION 16960**

REQUIRING WITNESSING.

### **SECTION 16961**

- 1.01. TESTS BY CONTRACTOR

### A. ALL NON-CURRENT CARRYING PARTS OF THE ELECTRICAL AND TELEPHONE CONDUIT SYSTEMS SHALL BE MECHANICALLY AND ELECTRICALLY CONNECTED TO PROVIDE AN INDEPENDENT RETURN PATH TO THE EQUIPMENT

B. GROUNDING SYSTEM WILL BE IN ACCORDANCE WITH THE LATEST ACCEPTABLE EDITION OF THE NATIONAL ELECTRICAL CODE AND REQUIREMENTS PER LOCAL INSPECTOR HAVING JURISDICTION.

C. GROUNDING OF PANELBOARDS:

1. PANELBOARD SHALL BE GROUNDED BY TERMINATING THE PANELBOARD FEEDER'S EQUIPMENT GROUND CONDUCTOR TO THE EQUIPMENT GROUND BAR KIT(S) LUGGED TO THE CABINET. ENSURE THAT THE SURFACE BETWEEN THE KIT AND CABINET ARE BARE METAL TO BARE METAL. PRIME AND PAINT OVER TO PREVENT

2. CONDUIT(S) TERMINATING INTO THE PANELBOARD SHALL HAVE GROUNDING TYPE BUSHINGS. THE BUSHINGS SHALL BE BONDED TOGETHER WITH BARE #10 AWG COPPER CONDUCTOR WHICH IN TURN IS TERMINATED INTO THE PANELBOARD'S EQUIPMENT GROUND BAR KIT(S).

### D. EQUIPMENT GROUNDING CONDUCTOR:

1. EACH EQUIPMENT GROUND CONDUCTOR SHALL BE SIZED IN ACCORDANCE WITH THE N.E.C. ARTICLE 250-122. 2. THE MINIMUM SIZE OF EQUIPMENT GROUND CONDUCTOR SHALL BE #12 AWG COPPER.

3. EACH FEEDER OR BRANCH CIRCUIT SHALL HAVE EQUIPMENT GROUND CONDUCTOR(S) INSTALLED IN THE SAME

E. CELLULAR GROUNDING SYSTEM:

CONTRACTOR SHALL PROVIDE A CELLULAR GROUNDING SYSTEM WITH THE MAXIMUM AC RESISTANCE TO GROUND OF 10 OHM BETWEEN ANY POINT ON THE GROUNDING SYSTEM AS MEASURED BY 3-POINT GROUNDING TEST. (REFER TO SECTION 16960).

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

2. EXTERIOR GROUNDING (WHERE REQUIRED DUE TO MEASURED AC RESISTANCE GREATER THAN SPECIFIED). 3. ANTENNA GROUND CONNECTIONS AND PLATES.

F. CONTRACTOR, AFTER COMPLETION OF THE COMPLETE GROUNDING SYSTEM BUT PRIOR TO CONCEALMENT/BURIAL OF SAME, SHALL NOTIFY OWNER'S PROJECT ENGINEER WHO WILL HAVE A DESIGN ENGINEER VISIT SITE AND MAKE A VISUAL INSPECTION OF THE GROUNDING GRID AND CONNECTIONS OF THE SYSTEM.

G. ALL EQUIPMENT SHALL BE BONDED TO GROUND AS REQUIRED BY N.E.C., MFG. SPECIFICATIONS, AND OWNER'S

A. REFER TO CONTRACT DRAWINGS FOR DETAILS AND SCHEDULES.

A. FUSES SHALL BE NONRENEWABLE TYPE AS MANUFACTURED BY "BUSSMAN" OR APPROVED EQUAL. FUSES RATED TO 1/10 AMPERE UP TO 600 AMPERES SHALL BE EQUIVALENT TO BUSSMAN TYPE LPN-RK (250V) UL CLASS RK1. LOW PEAK. DUAL ELEMENT. TIME-DELAY FUSES. FUSES SHALL HAVE SEPARATE SHORT CIRCUIT AND OVERLOAD ELEMENTS AND HAVE AN INTERRUPTING RATING OF 200 KAIC. UPON COMPLETION OF WORK, PROVIDE ONE SPARE SET OF FUSES FOR EACH TYPE INSTALLED.

1.01. TESTS BY INDEPENDENT ELECTRICAL TESTING FIRM

A. CONTRACTOR SHALL RETAIN THE SERVICES OF A LOCAL INDEPENDENT ELECTRICAL TESTING FIRM (WITH MINIMUM 5 YEARS COMMERCIAL EXPERIENCE IN THE ELECTRICAL TESTING INDUSTRY) AS SPECIFIED BY OWNER TO PERFORM:

TEST 1: THERMAL OVERLOAD AND MAGNETIC TRIP TEST, AND CABLE INSULATION TEST FOR ALL CIRCUIT BREAKERS RATED 100 AMPS OR GREATER.

TEST 2: RESISTANCE TO GROUND TEST ON THE CELLULAR GROUNDING SYSTEM.

THE TESTING FIRM SHALL INCLUDE THE FOLLOWING INFORMATION WITH THE REPORT:

1. TESTING PROCEDURE INCLUDING THE MAKE AND MODEL OF TEST EQUIPMENT

2. CERTIFICATION OF TESTING EQUIPMENT CALIBRATION WITHIN SIX (6) MONTHS OF DATE OF TESTING. INCLUDE CERTIFICATION LAB ADDRESS AND TELEPHONE NUMBER.

3. GRAPHICAL DESCRIPTION OF TESTING METHOD ACTUALLY IMPLEMENTED.

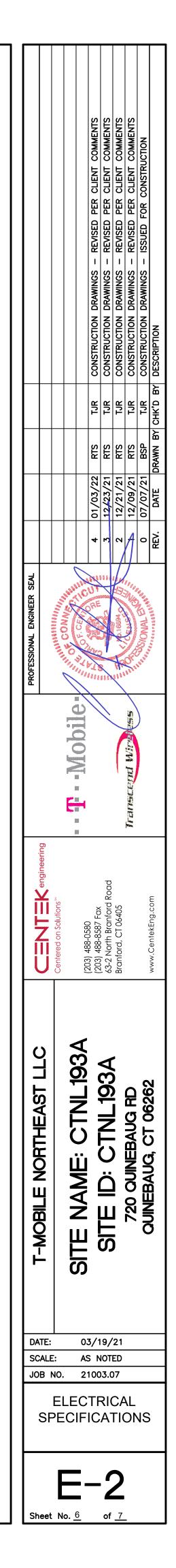
B. THESE TESTS SHALL BE PERFORMED IN THE PRESENCE AND TO THE SATISFACTION OF OWNER'S CONSTRUCTION REPRESENTATIVE. TESTING DATA SHALL BE INITIALED AND DATED BY THE CONSTRUCTION REPRESENTATIVE AND INCLUDED WITH THE WRITTEN REPORT/ANALYSIS.

C. THE CONTRACTOR SHALL FORWARD SIX (6) COPIES OF THE INDEPENDENT ELECTRICAL TESTING FIRM'S REPORT/ANALYSIS TO ENGINEER A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO THE JOB TURNOVER. D. CONTRACTOR TO PROVIDE A MINIMUM OF ONE (1) WEEK NOTICE TO OWNER AND ENGINEER FOR ALL TESTS

A. ALL TESTS AS REQUIRED UPON COMPLETION OF WORK, SHALL BE MADE BY THIS CONTRACTOR. THESE SHALL BE CONTINUITY AND INSULATION TESTS; TEST TO DETERMINE THE QUALITY OF MATERIALS, ETC. AND SHALL BE MADE IN ACCORDANCE WITH N.E.C. RECOMMENDATIONS. ALL FEEDERS AND BRANCH CIRCUIT WIRING (EXCEPT CLASS 2 SIGNAL CIRCUITS) MUST BE TESTED FREE FROM SHORT CIRCUIT AND GROUND FAULT CONDITIONS AT 500V IN A REASONABLY DRY AMBIENT OF APPROXIMATELY 70 DEGREES F.

B. CONTRACTOR SHALL PERFORM LOAD PHASE BALANCING TESTS. CIRCUITS SHALL BE CONNECTED TO THE PANELBOARDS SO THAT THE NEW LOAD IS DISTRIBUTED AS EQUALLY AS POSSIBLE BETWEEN EACH LOAD AND NEUTRAL. 10% SHALL BE CONSIDERED AS A REASONABLE AND ACCEPTABLE ALLOWANCE. BRANCH CIRCUITS SHALL BE BALANCED ON THEIR OWN PANELBOARDS; FEEDER LOADS SHALL, IN TURN, BE BALANCED ON THE SERVICE EQUIPMENT. REASONABLE LOAD TEST SHALL BE ARRANGED TO VERIFY LOAD BALANCE IF REQUESTED BY THE ENGINEER.

C. ALL TESTS, UPON REQUEST, SHALL BE REPEATED IN THE PRESENCE OF OWNER'S REPRESENTATIVE. ALL TESTS SHALL BE DOCUMENTED AND TURNED OVER TO OWNER. OWNER SHALL HAVE THE AUTHORITY TO STOP ANY OF THE WORK NOT BEING PROPERLY INSTALLED. ALL SUCH DETECTED WORK SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL EXPENSE TO THE OWNER AND THE TESTS SHALL BE REPEATED.



# **ATTACHMENT 5**

### **CERTIFICATION OF SERVICE**

I hereby certify that on the 20th day of January, 2022, T-Mobile Northeast LLC ("T-Mobile") provided notice of its Sub-Petition for an approval of an Eligible Facilities Request concerning an existing telecommunications facility located at 720 Quinebaug Road in the Town of Thompson, Connecticut, to the following:

### Abutters

Kathleen Chahanovich PO Box 338 Quinebaug, CT 06262

Edward Parzych 716 Quinebaug Road N Grosvenordale, CT 06255

Quinebaug Park Inc. PO Box 104 Quinebaug, CT 06262

Robert Willett PO Box 83 Woodstock, CT 06281 Bruce & Jeanine Alton PO Box 22 Quinebaug, CT 06262

Jason Labonte 712 Quinebaug Road Thompson, CT 06255

St. Stephens Roman Catholic Church PO Box 897 N Grosvenordale, CT 06255

Owner

Quinebaug Volunteer Fire Department PO Box 144 Quinebaug, CT 06262

Respectfully submitted by,

Jesse A. Langer

January 20, 2022



### VIA CERTIFIED MAIL

Bruce & Jeanine Alton PO Box 22 Quinebaug, CT 06262

## **RE:** Sub-Petition for An Approval of An Eligible Facilities Request for An Existing Telecommunications Facility at 720 Quinebaug Road, Quinebaug.

To Whom It May Concern:

I write on behalf of T-Mobile Northeast LLC ("T-Mobile"). T-Mobile is filing with the Connecticut Siting Council ("Council") a sub-petition for an approval of an Eligible Facilities Request ("EFR") concerning an existing telecommunications facility at 720 Quinebaug Road, Quinebaug, Connecticut ("Property").

The Sub-Petition relates to an existing 125 foot monopole located ("Facility") on the Property. The Quinebaug Volunteer Fire Department owns the monopole and the Property. The Facility provides connectivity for essential emergency services as well as wireless providers such as T-Mobile. T-Mobile is seeking approval from the Council for the installation of a 25 Kilowatt diesel fueled backup generator which would be located on a 10 x 4 concrete pad approximately eight feet from the existing compound. T-Mobile is seeking to install the backup generator to promote public safety and network resiliency.

T-Mobile is filing this Sub-Petition under § 6409(a) of the Federal Middle Class Tax Relief and Job Creation Act of 2012, codified at 47 U.S.C § 1455(a), and commonly referenced as the Spectrum Act ("Section 6409"). T-Mobile's proposed modification constitutes an EFR as defined by Section 6409 and the regulations promulgated by the Federal Communications Commission.

This letter serves as notice to you as an abutting property owner pursuant to Petition 1133 issued by the Council on March 6, 2015. A copy of the Sub-Petition is enclosed herein. Please submit any comments or concerns to the Council within thirty (30) days of this notice. If you have any questions or concerns regarding this matter, please contact the undersigned at (203) 786-8317, or the Council at (860) 827-2935.

Very truly yours,

Jesse A. Langer

Enclosure

# **ATTACHMENT 6**

### **CERTIFICATION OF SERVICE**

I hereby certify that on the 20th day of January, 2022, T-Mobile Northeast LLC ("T-Mobile") provided notice of its Sub-Petition for an approval of an Eligible Facilities Request concerning an existing telecommunications facility located at 720 Quinebaug Road in the Town of Thompson, Connecticut, to the following:

### **Town of Thompson Municipal Officials**

Amy St. Onge First Selectman 815 Riverside Drive PO Box 899 N Grosvenordale, CT 06255

Cynthia Dunne Zoning Board of Appeals, Zoning Enforcement Officer 815 Riverside Drive PO Box 899 N Grosvenordale, CT 06255

Marla Butts Inland Wetlands Commission, Wetlands Agent 815 Riverside Drive PO Box 899 N Grosvenordale, CT 06255 Renee Waldron Town Clerk 815 Riverside Drive PO Box 899 N Grosvenordale, CT 06255

Cynthia Dunne Planning and Zoning Commission, Zoning Enforcement Officer 815 Riverside Drive PO Box 899 N Grosvenordale, CT 06255

Dan Malo Conservation Commission, Conservation Agent 815 Riverside Drive PO Box 899 N Grosvenordale, CT 06255

Respectfully submitted by,

Jesse A. Langer



January 20, 2022

### VIA CERTIFIED MAIL

Amy St. Onge First Selectman 815 Riverside Drive PO Box 899 N Grosvenordale, CT 06255

## **RE:** Sub-Petition for An Approval of An Eligible Facilities Request for An Existing Telecommunications Facility at 720 Quinebaug Road, Quinebaug.

Dear Honorable St. Onge:

I write on behalf of T-Mobile Northeast LLC ("T-Mobile"). T-Mobile is filing with the Connecticut Siting Council ("Council") a sub-petition for an approval of an Eligible Facilities Request ("EFR") concerning an existing telecommunications facility at 720 Quinebaug Road, Quinebaug, Connecticut ("Property").

The Sub-Petition relates to an existing 125 foot monopole located ("Facility") on the Property. The Quinebaug Volunteer Fire Department owns the monopole and the Property. The Facility provides connectivity for essential emergency services as well as wireless providers such as T-Mobile. T-Mobile is seeking approval from the Council for the installation of a 25 Kilowatt diesel fueled backup generator which would be located on a 10 x 4 concrete pad approximately eight feet from the existing compound. T-Mobile is seeking to install the backup generator to promote public safety and network resiliency.

T-Mobile is filing this Sub-Petition under § 6409(a) of the Federal Middle Class Tax Relief and Job Creation Act of 2012, codified at 47 U.S.C § 1455(a), and commonly referenced as the Spectrum Act ("Section 6409"). T-Mobile's proposed modification constitutes an EFR as defined by Section 6409 and the regulations promulgated by the Federal Communications Commission.

This letter serves as notice pursuant to Petition 1133 issued by the Council on March 6, 2015. A copy of the Sub-Petition is enclosed herein. Please submit any comments or concerns to the Council within thirty (30) days of this notice. If you have any questions or concerns regarding this matter, please contact the undersigned at (203) 786-8317, or the Council at (860) 827-2935.

Very truly yours,

Jesse A. Langer

Enclosure