

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:

AMENDED PETITION OF T-MOBILE	:	PETITION NO. 622-A
NORTHEAST LLC ("T-MOBILE) FOR A	:	
DECLARATORY RULING ON THE NEED TO	:	
OBTAIN A SITING COUNCIL CERTIFICATE	:	
FOR THE RELOCATION OF AN EXISTING	:	
WIRELESS TELECOMMUNICATIONS FACILITY	:	
ON A HIGH TENSION POWER LINE STRUCTURE	:	
WITHIN AN EXISTING EVERSOURCE	:	
TRANSMISSION EASEMENT	:	
1975 HUNTINGTON ROAD	:	
STRATFORD, CT	:	February 14, 2018

**T-MOBILE NORTHEAST LLC (T-MOBILE) RESPONSES TO CONNECTICUT STATE
SITTING COUNCIL INTERROGATORIES SET 1
And**

SITE SURVEY WITH REVISED CONSTRUCTION DRAWINGS and NOTICE

Q1. Approximately when is the scheduled line outage during which T-Mobile Northeast LLC (T-Mobile) would relocate its wireless facility?

A1. April 15, 2018 is the scheduled outage.

Q2. Would T-Mobile need to install a temporary facility (e.g. cell on wheels) to maintain continuity of service during the changeover from the existing facility to the proposed facility? If yes, identify the type and height of the temporary facility, and provide its location and approximate dates for installation and removal.

A2. No temporary installation will be required. The plan is to install the new antenna and lines, cut over to the existing ground equipment, then remove the old antenna and lines.

Q3. Would T-Mobile have battery backup at its relocated wireless facility? If yes, approximately how many hours could the battery backup supply power to T-Mobile's facility in the event of a power outage?

A3. Battery backup is already on site. Equipment will not be changing. It can power up the site for up to 2hrs.

Q4. According to the TOWAIR Determination provided under Attachment A of the Petition, no notice to the Federal Aviation Administration (FAA) would be required for T-Mobile's relocated facility on the new transmission structure. Would notice to FAA be required for any temporary structures (e.g. crane or bucket truck) to set T-Mobile's antennas and antenna mounts in place on the new structure?

A4. All required notices will be filed with FAA by cane and man lift vendors.

Q5. Under Attachment C of the Petition, the Letter of Authorization (LOA) from Eversource notes that, "Final construction drawings will need to be revised upon meeting with the property owner and agreeing upon appropriate landscaping and fencing near the ground equipment for the subject site." Was consultation with the property owner considered in preparing the site plan Sheet C-2 – Compound Plans and Elevation? Why is the existing stockade fence planned to be removed and replaced with chain link fence with privacy slats?

A5. Yes, owner has reviewed the site plans. Fencing and landscaping plan is approved by Eversource (Attachment A) and the landlord (Attachment B). Revised construction drawings attached (Attachment C). Also attached Eversource drawing approval and landlord approval.

The new transmission tower structure #826 will be located within the existing facility, **23.9 feet** west of the current transmission tower located on Huntington Road in Stratford, CT (the "Site"). T-Mobile must construct its relocation ("Relocation Facility") during the necessary line outage required for installation of the Approved Tower.

Included as Attachment D is a site survey and compound project image. Included as Attachment C are detailed drawings prepared by Centek Engineering, last revised February 12, 2018 providing plans, includes fencing and landscape details, elevations, site details, site utility plans, abutters map and other aspects of the proposed Replacement Facility.

Pursuant to R.C.S.A. Section 16-50j-40(a), Revised notice of T-Mobile's intent to file this Amended Petition was sent to each person appearing of record as an owner of property that abuts the site, as well as the appropriate municipal officials as listed in Section 16-50e of the C.G.S. Certification of such notice, a copy of the notice and the list of property owners and municipal officials are included in Attachment E.

Respectfully submitted

T-MOBILE NORTHEAST LLC

By: _____

Denise Sabo

Northeast Site Solutions

Agent for T-Mobile Northeast LLC

(860)209-4690

denise@northeastsitesolutions.com

cc: Mayor Laura R Hoydick, Town of Stratford

John Rusatsky, Zoning Enforcement Officer, Town of Stratford

Joel Szarkowicz, Eversource

T-Mobile

ATTACHMENT A

From: [Joel Szarkowicz](#)
To: [Tim Lynn](#); [Sheldon Freincle](#)
Cc: [Stephen A Burger](#); [Denise Sabo](#); [Christopher Gelinas](#); [Keith Balsewicz](#); [Louis J. Rubano](#); [leckenroth \(burnsmcd.com\)](#); [Samantha Cloutier](#); [Taylor Simmons](#); [Susan Bellion](#); [Bill Abbott](#); [Victoria Masse](#); [Deborah Chase](#); [Chuck Regulbuto](#); [Lisa Lin Allen](#)
Subject: RE: 17029.00 CT11681A - Eversource Structure 826 - CDs REV 3 (S&S) - NEED CLARIFICATION
Date: Wednesday, February 14, 2018 8:12:45 AM
Attachments: [image001.png](#)

Sheldon,

The revised CDs depicting the planting plan are acceptable. Please contact me if you have further questions. Thank you,

Joel Szarkowicz
Transmission Line Engineering
Eversource – Hartford, CT
Tel: 860-728-4503

From: Tim Lynn [mailto:tlynn@centekeng.com]
Sent: Tuesday, February 13, 2018 7:06 PM
To: Sheldon Freincle <sheldon@northeastssitesolutions.com>
Cc: Stephen A Burger <saburger@burnsmcd.com>; Denise Sabo <denise@northeastssitesolutions.com>; Christopher Gelinas <christopher.gelinas@eversource.com>; Keith Balsewicz <keith@northeastssitesolutions.com>; Louis J. Rubano <louis.rubano@eversource.com>; leckenroth (burnsmcd.com) <leckenroth@burnsmcd.com>; Samantha Cloutier <samantha.cloutier@eversource.com>; Taylor Simmons <taylor.simmons@eversource.com>; Susan Bellion <susan.bellion@eversource.com>; Joel Szarkowicz <joel.szarkowicz@eversource.com>; Bill Abbott <babbott@northeastssitesolutions.com>; Victoria Masse <victoria@northeastssitesolutions.com>; Deborah Chase <deborah@northeastssitesolutions.com>; Chuck Regulbuto <chuck@northeastssitesolutions.com>; Lisa Lin Allen <lisa@northeastssitesolutions.com>
Subject: Re: 17029.00 CT11681A - Eversource Structure 826 - CDs REV 3 (S&S) - NEED CLARIFICATION

EVERSOURCE IT NOTICE - EXTERNAL EMAIL SENDER: Do not click on links or attachments if sender is unknown or if the email is unexpected from someone you know, and never provide a user ID or password. Forward suspicious emails to SpamFeedback@eversource.com

Sheldon,

Please see attached. Let me know if you need anything else.

Thanks,

Timothy J. Lynn, PE
Structural Engineer

CENTEK Engineering, Inc,
63-2 North Branford Road
Branford, CT 06405

main: 203-488-0580 ext.149

direct: 203-433-7507

cell: 203-206-9173

fax: 203-488-8587

tlynn@centekeng.com

web link: www.centekeng.com

From: "Sheldon Freincle" <sheldon@northeastssitesolutions.com>
To: "Tim Lynn" <tlynn@centekeng.com>
Cc: "Stephen A Burger" <saburger@burnsmcd.com>, "Denise Sabo" <denise@northeastssitesolutions.com>, "Christopher Gelinas" <christopher.gelinas@eversource.com>, "Keith Balsewicz" <keith@northeastssitesolutions.com>, "Louis J. Rubano" <louis.rubano@eversource.com>, "Lorraine Eckenroth" <leckenroth@burnsmcd.com>, "Samantha Cloutier" <samantha.cloutier@eversource.com>, "taylor simmons" <taylor.simmons@eversource.com>, "Susan Bellion" <susan.bellion@eversource.com>, "Joel Szarkowicz" <joel.szarkowicz@eversource.com>, "Bill Abbott" <babbott@northeastssitesolutions.com>, "Victoria Masse" <victoria@northeastssitesolutions.com>, "Deborah Chase" <deborah@northeastssitesolutions.com>, "Chuck Regulbuto" <chuck@northeastssitesolutions.com>, "Lisa Lin Allen" <lisa@northeastssitesolutions.com>
Sent: Tuesday, February 13, 2018 6:10:24 PM
Subject: RE: 17029.00 CT11681A - Eversource Structure 826 - CDs REV 3 (S&S) - NEED CLARIFICATION

Tim please send soft copy S&S. Thank you.

Sheldon Freincle

Project Manager

Mobile: 201-776-8521

Main: 570-606-4257

Fax: 413-521-0558

Email: sheldon@northeastssitesolutions.com

From: Sheldon F [mailto:sheldon@northeastssitesolutions.com]
Sent: Tuesday, February 13, 2018 12:14 PM
To: 'Tim Lynn' <tlynn@centekeng.com>
Cc: 'Stephen A Burger' <saburger@burnsmcd.com>; 'Denise Sabo' <denise@northeastssitesolutions.com>; 'Christopher Gelinas' <christopher.gelinas@eversource.com>; 'Keith Balsewicz' <keith@northeastssitesolutions.com>; 'Louis J. Rubano' <louis.rubano@eversource.com>; 'Lorraine Eckenroth' <leckenroth@burnsmcd.com>; 'Samantha Cloutier' <samantha.cloutier@eversource.com>; 'taylor simmons' <taylor.simmons@eversource.com>; 'Susan Bellion' <susan.bellion@eversource.com>; 'Joel Szarkowicz' <joel.szarkowicz@eversource.com>; Bill Abbott <babbott@northeastssitesolutions.com>; Victoria Masse <victoria@northeastssitesolutions.com>; Deborah Chase <deborah@northeastssitesolutions.com>; Chuck Regulbuto <chuck@northeastssitesolutions.com>;

ATTACHMENT B

From: [Judith Rae](#)
To: [Sheldon F](#)
Subject: Re: CT11681A - L700 - New Site Plans
Date: Thursday, February 15, 2018 12:45:06 PM

Hi Sheldon,

I have reviewed and approve of the new T-Mobile site plans and also the fencing and landscaping proposal sent to me.

Thank You

Judith Rae

On Wed, Feb 14, 2018 at 3:50 PM, Sheldon F <sheldon@northeastsitesolutions.com> wrote:

Hi Judy,

I've attached the new site plans with the landscaping. Can you please respond to this email with your approval to the site plans?

Thank you.

Sheldon Freincle

Project Manager

Mobile: [201-776-8521](#)

Main: [570-606-4257](#)

Fax: [413-521-0558](#)

Email: sheldon@northeastsitesolutions.com

ATTACHMENT C

...T-Mobile®

WIRELESS COMMUNICATIONS FACILITY

EVERSOURCE STRUCT. No.: 826

SITE ID: CT11681A - RELO

1975 HUNTINGTON ROAD

STRATFORD, CT 06614

GENERAL NOTES

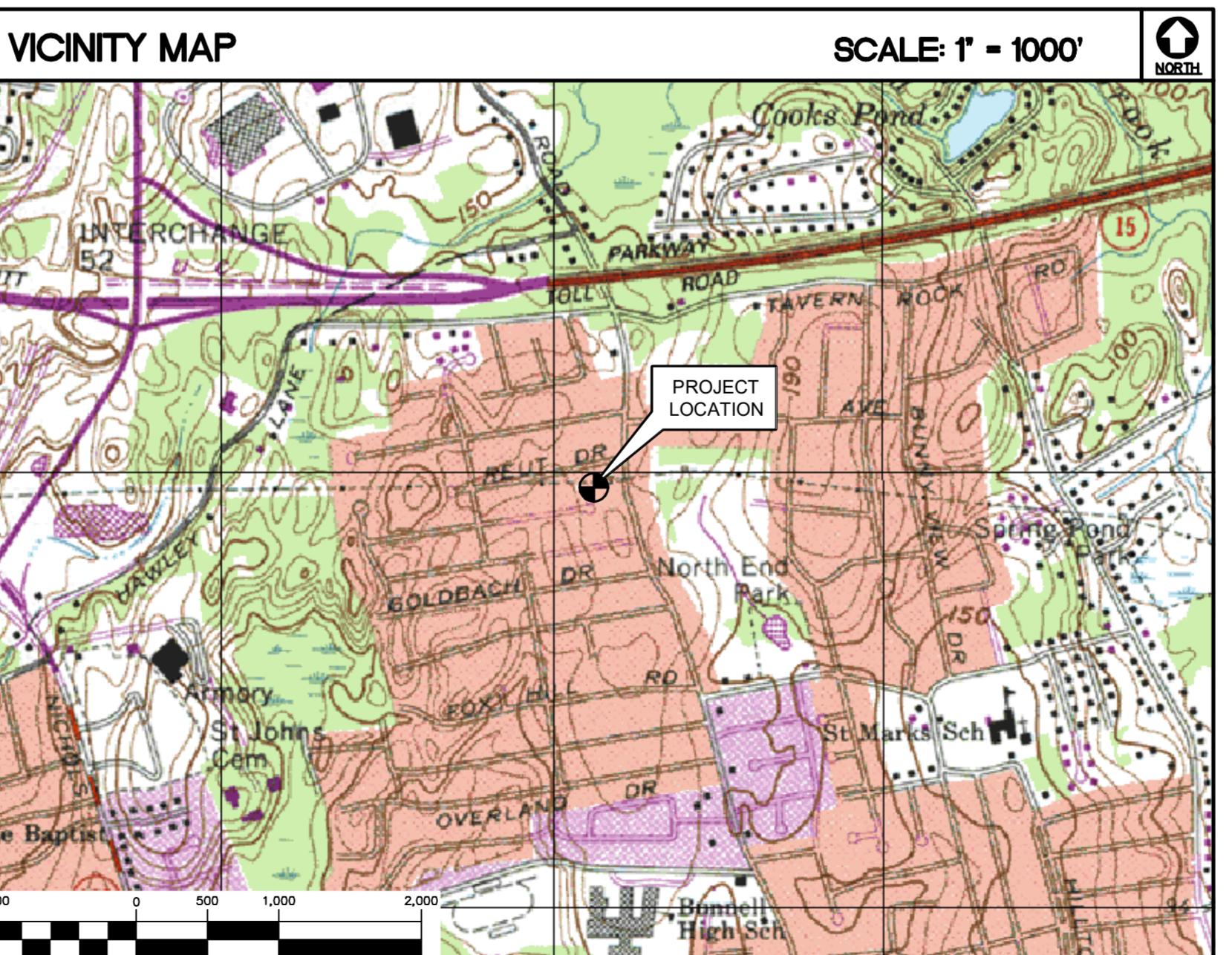
- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2016 CONNECTICUT SUPPLEMENT, INCLUDING THE TIA/EIA-222 REVISION "G" "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND SUPPORTING STRUCTURES," 2016 CONNECTICUT FIRE SAFETY CODE, NATIONAL ELECTRICAL CODE AND LOCAL CODES.
- CONTRACTOR SHALL REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENT SET. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN IN THE SET OF DRAWINGS. THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF DRAWINGS TO ALL SUBCONTRACTORS AND ALL RELATED PARTIES. THE SUBCONTRACTORS SHALL EXAMINE ALL THE DRAWINGS AND SPECIFICATIONS FOR THE INFORMATION THAT AFFECTS THEIR WORK.
- CONTRACTOR SHALL PROVIDE A COMPLETE BUILD-OUT WITH ALL FINISHES, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS AND PROVIDE ALL ITEMS AS SHOWN OR INDICATED ON THE DRAWINGS OR IN THE WRITTEN SPECIFICATIONS.
- CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT TO COMPLETE THE WORK AND FURNISH A COMPLETED JOB ALL IN ACCORDANCE WITH LOCAL AND STATE GOVERNING AUTHORITIES AND OTHER AUTHORITIES HAVING LAWFUL JURISDICTION OVER THE WORK.
- CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND ALL INSPECTIONS REQUIRED AND SHALL ALSO PAY FEES REQUIRED FOR THE GENERAL CONSTRUCTION, PLUMBING, ELECTRICAL AND HVAC. PERMITS SHALL BE PAID FOR BY THE RESPECTIVE SUBCONTRACTORS.
- CONTRACTOR SHALL MAINTAIN A CURRENT SET OF DRAWINGS AND SPECIFICATIONS ON SITE AT ALL TIMES AND INSURE DISTRIBUTION OF NEW DRAWINGS TO SUBCONTRACTORS AND OTHER RELEVANT PARTIES AS SOON AS THEY ARE MADE AVAILABLE. ALL OLD DRAWINGS SHALL BE MARKED VOID AND REMOVED FROM THE CONTRACT AREA. THE CONTRACTOR SHALL FURNISH AN "AS-BUILT" SET OF DRAWINGS TO OWNER UPON COMPLETION OF PROJECT.
- LOCATION OF EQUIPMENT, AND WORK SUPPLIED BY OTHERS THAT IS DIAGRAMMATICALLY INDICATED ON THE DRAWINGS SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL DETERMINE LOCATIONS AND DIMENSIONS SUBJECT TO STRUCTURAL CONDITIONS AND WORK OF THE SUBCONTRACTORS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE TO DETERMINE CONSTRUCTION PROCEDURE AND SEQUENCE, AND TO ENSURE THE SAFETY OF THE EXISTING STRUCTURES AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY.
- DRAWINGS INDICATE THE MINIMUM STANDARDS, BUT IF ANY WORK SHOULD BE INDICATED TO BE SUBSTANDARD TO ANY ORDINANCES, LAWS, CODES, RULES, OR REGULATIONS BEARING ON THE WORK, THE CONTRACTOR SHALL INCLUDE IN HIS WORK AND SHALL EXECUTE THE WORK CORRECTLY IN ACCORDANCE WITH SUCH ORDINANCES, LAWS, CODES, RULES OR REGULATIONS WITH NO INCREASE IN COSTS.
- ALL UTILITY WORK SHALL BE IN ACCORDANCE WITH LOCAL UTILITY COMPANY REQUIREMENTS AND SPECIFICATIONS.

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

SITE DIRECTIONS

FROM: 35 GRIFFIN ROAD SOUTH
BLOOMFIELD, CT 06002 **TO:** 1975 HUNTINGTON ROAD
STRATFORD, CT 06614

1. HEAD NORTH ON GRIFFIN ROAD S. TOWARD HARTMAN RD. 0.21 MI.
2. TAKE THE 2ND RIGHT ONTO DAY HILL RD. 3.64 MI.
3. MERGE ONTO CT-1 S TOWARD HARTFORD. 26.58 MI.
4. MERGE ONTO CT-1 S via EXIT 17 TOWARD E MAIN ST 30.24 MI.
5. TAKE THE CT-8 S EXIT EXIT 52, TOWARD CT-108 S/BRIDGEPORT 0.64 MI.
6. KEEP RIGHT TO TAKE THE CT-108 RAMP TOWARD STRATFORD 0.22 MI.
7. TURN LEFT ONTO NICHOLS AVE/CT-108 0.27 MI.
8. TURN LEFT ONTO HAWLEY LN 0.96 MI.
9. TURN RIGHT ONTO HUNTINGTON RD 0.24 MI.
10. 1975 HUNTINGTON RD IS ON THE RIGHT



T-MOBILE RF CONFIGURATION
1HP_704Bu

PROJECT SUMMARY

- THE PROPOSED SCOPE OF WORK CONSISTS OF A MODIFICATION TO THE EXISTING UNMANNED TELECOMMUNICATIONS FACILITY INCLUDING THE FOLLOWING:
 - INSTALL SIX (6) NEW T-MOBILE ANTENNAS, (2) PER SECTOR AND SIX (6) SMART BIAS-T'S ON PROPOSED EVERSOURCE TRANSMISSION POLE.
 - REMOVE ALL EXISTING T-MOBILE EQUIPMENT FROM EXISTING EVERSOURCE TRANSMISSION TOWER AFTER THE PROPOSED EQUIPMENT IS ON AIR.
 - INSTALL THREE (3) NEW RUS11 B12'S ON A NEW EQUIPMENT RACK WITHIN EXISTING COMPOUND.

PROJECT INFORMATION

Site Name: EVERSOURCE STRUCT. No.: 826
Site ID: CT11681A
Site Address: 1975 HUNTINGTON ROAD
STRATFORD, CT 06614
Applicant: T-MOBILE NORTHEAST, LLC
35 GRIFFIN ROAD SOUTH
BLOOMFIELD, CT 06002
Contact Person: SHELDON FREINCLE (PROJECT MANAGER)
NORTHEAST SITE SOLUTIONS
(201) 776-8521
Engineer: CENTEK ENGINEERING, INC.
63-2 NORTH BRANFORD RD.
BRANFORD, CT 06405
Project Coordinates: LATITUDE: 41°13'59.6669" N
LONGITUDE: 73°08'23.6123" W
GROUND ELEVATION: 169.5± AMSL
 SITE COORDINATES REFERENCED FROM NV5.
GROUND ELEVATION REFERENCED FROM GOOGLE EARTH.

SHEET INDEX

SHT. NO.	DESCRIPTION	REV.
T-1	TITLE SHEET	6
N-1	DESIGN BASIS AND SITE NOTES	6
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PROFESSIONAL ENGINEER SEAL	CONSTRUCTION DRAWINGS - ADDED LANDSCAPING PLAN (SHEET C-1A)
	CONSTRUCTION DRAWINGS - REVISED ICE BRIDGE DETAIL
	CONSTRUCTION DRAWINGS - REVISED GROUND EQUIPMENT LAYOUT
	CONSTRUCTION DRAWINGS - REVISED EVERSOURCE TOWER COORDINATES
	CONSTRUCTION DRAWINGS - REVISED COAX CABLE QUANTITY
	CONSTRUCTION DRAWINGS - REVISED PER CLIENT COMMENTS
	CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION
REV.	DATE DRAWN BY CHKD BY

STATE OF CONNECTICUT
T-MOBILE
PROJECT
SHEET C-1A

STATE OF CONNECTICUT
T-MOBILE
PROJECT
SHEET C-1A

CENTEK
engineering
Centek on Solutions™

(231) 484-5580 Fox
63-2 North Branford Road
Branford, CT 06405
www.CentekEng.com

WIRELESS COMMUNICATIONS FACILITY
EVERSOURCE STRUCT No.: 826
SITE ID: CT11681A - RELO
1975 HUNTINGTON ROAD
STRATFORD, CT 06614

DATE: 04/26/17
SCALE: AS NOTED
JOB NO.: 17029.00

TITLE SHEET

T-1

Sheet No. 1 of 7

DESIGN BASIS:

GOVERNING CODE: 2012 INTERNATIONAL BUILDING CODE AS MODIFIED BY
THE 2016 CT STATE BUILDING CODE

1. DESIGN CRITERIA:

- WIND LOAD: PER EIA/TIA 222 G & NU CRITERIA (ANTENNA MOUNTS): 97 MPH (3 SECOND GUST), NOMINAL DESIGN WIND SPEED (VASD)
- WIND LOAD: PER NESC C2-2012 SECTION 25 RULE 250C (TOWER AND FOUNDATION 110 MPH (3 SECOND GUSTS).
- SEISMIC LOAD (DOES NOT CONTROL): PER ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE GOVERNING BUILDING CODE.
2. 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.
3. BEFORE BEGINNING THE WORK, THE CONTRACTOR IS RESPONSIBLE FOR MAKING SUCH INVESTIGATIONS CONCERNING PHYSICAL CONDITIONS (SURFACE AND SUBSURFACE) AT OR CONTIGUOUS TO THE SITE WHICH MAY AFFECT PERFORMANCE AND COST OF THE WORK.
4. DIMENSIONS AND DETAILS SHALL BE CHECKED AGAINST EXISTING FIELD CONDITIONS.
5. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS, SLEEVES AND ANCHOR BOLTS AS REQUIRED BY ALL TRADES.
6. ALL DIMENSIONS, ELEVATIONS, AND OTHER REFERENCES TO EXISTING STRUCTURES, SURFACE, AND SUBSURFACE CONDITIONS ARE APPROXIMATE. NO GUARANTEE IS MADE FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS, ELEVATIONS, ANGLES WITH EXISTING CONDITIONS AND WITH ARCHITECTURAL AND SITE DRAWINGS BEFORE PROCEEDING WITH ANY WORK.
7. AS THE WORK PROGRESSES, THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY CONDITIONS WHICH ARE IN CONFLICT OR OTHERWISE NOT CONSISTENT WITH THE CONSTRUCTION DOCUMENTS AND SHALL NOT PROCEED WITH SUCH WORK UNTIL THE CONFLICT IS SATISFACTORILY RESOLVED.
8. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING AND MAINTAINING ADEQUATE SHORING, BRACING, AND BARRICADES AS MAY BE REQUIRED FOR THE PROTECTION OF EXISTING PROPERTY, CONSTRUCTION WORKERS, AND FOR PUBLIC SAFETY.
9. THE CONTRACTOR IS SOLELY RESPONSIBLE TO DETERMINE CONSTRUCTION PROCEDURE AND SEQUENCE, AND TO ENSURE THE SAFETY OF THE EXISTING STRUCTURES AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY. MAINTAIN EXISTING SITE OPERATIONS, COORDINATE WORK WITH NORTHEAST UTILITIES
10. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER FOUNDATION REMEDIATION WORK IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO ENSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, TEMPORARY BRACING, GUYS OR TIEDOWNS, WHICH MIGHT BE NECESSARY.
11. 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.
12. SHOP DRAWINGS, CONCRETE MIX DESIGNS, TEST REPORTS, AND OTHER SUBMITTALS PERTAINING TO STRUCTURAL WORK SHALL BE FORWARDED TO THE OWNER FOR REVIEW BEFORE FABRICATION AND/OR INSTALLATION IS MADE. SHOP DRAWINGS SHALL INCLUDE ERECTION DRAWINGS AND COMPLETE DETAILS OF CONNECTIONS AS WELL AS MANUFACTURER'S SPECIFICATION DATA WHERE APPROPRIATE. SHOP DRAWINGS SHALL BE CHECKED BY THE CONTRACTOR AND BEAR THE CHECKER'S INITIALS BEFORE BEING SUBMITTED FOR REVIEW.
13. NO DRILLING WELDING OR TAPING ON EVERSOURCE OWNED EQUIPMENT.
14. REFER TO DRAWING T1 FOR ADDITIONAL NOTES AND REQUIREMENTS.

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL IS DESIGNED BY ALLOWABLE STRESS DESIGN (ASD)

- A. STRUCTURAL STEEL (W SHAPES)---ASTM A992 (FY = 50 KSI)
- B. STRUCTURAL STEEL (OTHER SHAPES)---ASTM A36 (FY = 36 KSI)
- C. STRUCTURAL HSS (RECTANGULAR SHAPES)---ASTM A500 GRADE B, (FY = 46 KSI)
- D. STRUCTURAL HSS (ROUND SHAPES)---ASTM A500 GRADE B, (FY = 42 KSI)
- E. PIPE---ASTM A53 (FY = 35 KSI)
- F. CONNECTION BOLTS---ASTM A325-N
- G. U-BOLTS---ASTM A36
- H. ANCHOR RODS---ASTM F 1554
- I. WELDING ELECTRODE---ASTM E 70XX

2. CONTRACTOR TO REVIEW ALL SHOP DRAWINGS AND SUBMIT COPY TO ENGINEER FOR APPROVAL. DRAWINGS MUST BEAR THE CHECKER'S INITIALS BEFORE SUBMITTING TO THE ENGINEER FOR REVIEW. SHOP DRAWINGS SHALL INCLUDE THE FOLLOWING: SECTION PROFILES, SIZES, CONNECTION ATTACHMENTS, REINFORCING, ANCHORAGE, SIZE AND TYPE OF FASTENERS AND ACCESSORIES. INCLUDE ERECTION DRAWINGS, ELEVATIONS AND DETAILS.

3. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST PROVISIONS OF AISC MANUAL OF STEEL CONSTRUCTION.

4. PROVIDE ALL PLATES, CLIP ANGLES, CLOSURE PIECES, STRAP ANCHORS, MISCELLANEOUS PIECES AND HOLES REQUIRED TO COMPLETE THE STRUCTURE.

5. FIT AND SHOP ASSEMBLE FABRICATIONS IN THE LARGEST PRACTICAL SECTIONS FOR DELIVERY TO SITE.

6. INSTALL FABRICATIONS PLUMB AND LEVEL, ACCURATELY FITTED, AND FREE FROM DISTORTIONS OR DEFECTS.

7. AFTER ERECTION OF STRUCTURES, TOUCHUP ALL WELDS, ABRASIONS AND NON-GALVANIZED SURFACES WITH A 95% ORGANIC ZINC RICH PAINT IN ACCORDANCE WITH ASTM 780.

8. ALL STEEL MATERIAL (EXPOSED TO WEATHER) SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT DIPPED GALVANIZED) COATINGS" ON IRONS AND STEEL PRODUCTS.

9. ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE".

10. THE ENGINEER SHALL BE NOTIFIED OF ANY INCORRECTLY FABRICATED, DAMAGED OR OTHERWISE MISFITTING OR NON CONFORMING MATERIALS OR CONDITIONS TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE ENGINEER REVIEW.

11. CONNECTION ANGLES SHALL HAVE A MINIMUM THICKNESS OF 1/4 INCHES.

12. STRUCTURAL CONNECTION BOLTS SHALL CONFORM TO ASTM A325. ALL BOLTS SHALL BE 3/4" DIAMETER MINIMUM AND SHALL HAVE A MINIMUM OF TWO BOLTS, UNLESS OTHERWISE ON THE DRAWINGS.

13. LOCK WASHER ARE NOT PERMITTED FOR A325 STEEL ASSEMBLIES.

14. SHOP CONNECTIONS SHALL BE WELDED OR HIGH STRENGTH BOLTED.

15. MILL BEARING ENDS OF COLUMNS, STIFFENERS, AND OTHER BEARING SURFACES TO TRANSFER LOAD OVER ENTIRE CROSS SECTION.

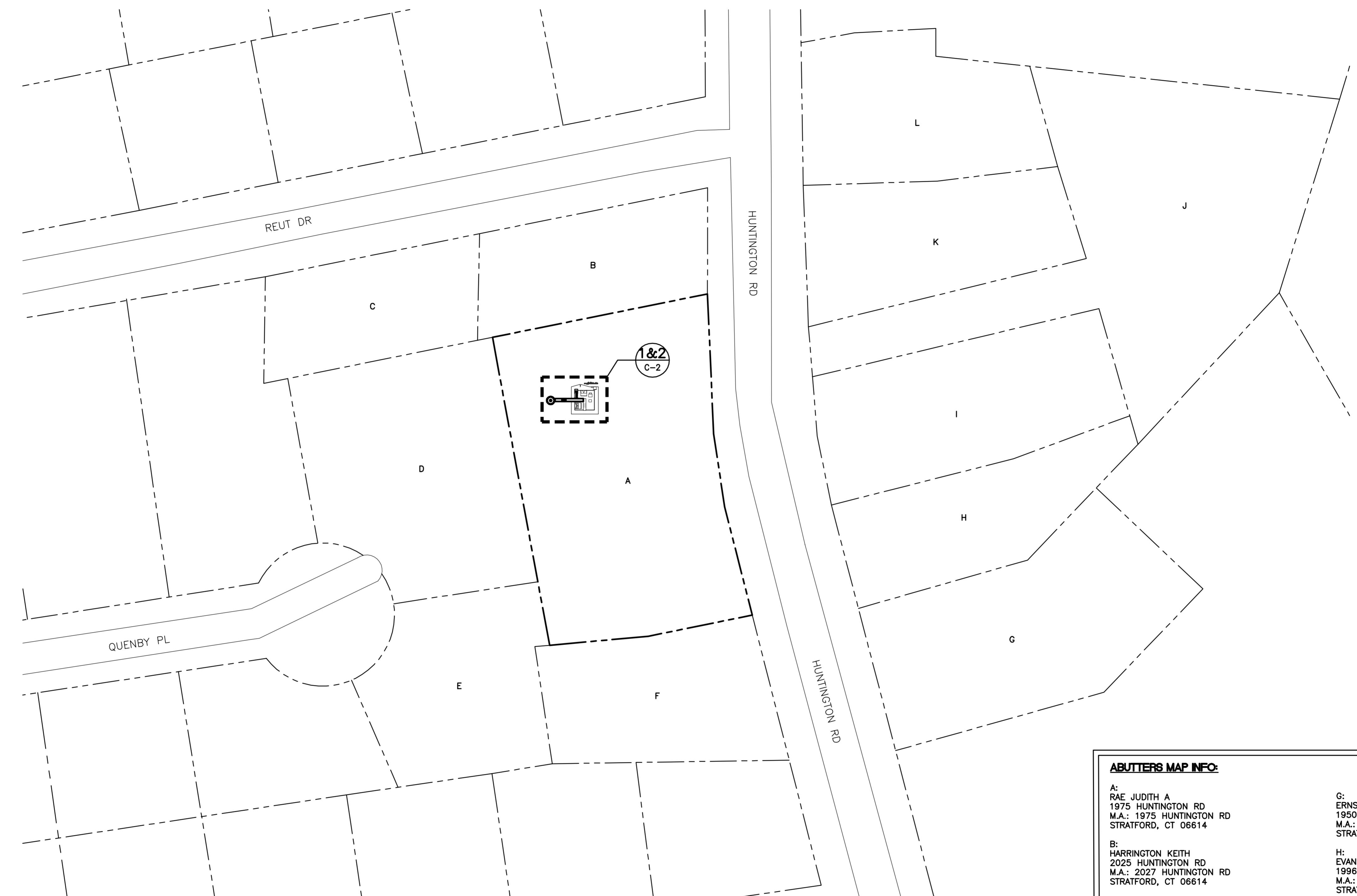
16. FABRICATE BEAMS WITH MILL CAMBER UP.

17. LEVEL AND PLUMB INDIVIDUAL MEMBERS OF THE STRUCTURE TO AN ACCURACY OF 1:500, BUT NOT TO EXCEED 1/4" IN THE FULL HEIGHT OF THE COLUMN.

18. COMMENCEMENT OF STRUCTURAL STEEL WORK WITHOUT NOTIFYING THE ENGINEER OF ANY DISCREPANCIES WILL BE CONSIDERED ACCEPTANCE OF PRECEDING WORK.

19. INSPECTION AND TESTING OF ALL WELDING AND HIGH STRENGTH BOLTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY.

20. FOUR COPIES OF ALL INSPECTION TEST REPORTS SHALL BE SUBMITTED TO THE ENGINEER WITHIN TEN (10) WORKING DAYS OF THE DATE OF INSPECTION.



ABUTTERS MAP INFO:

A: RAE JUDITH A
1975 HUNTINGTON RD
M.A.: 1975 HUNTINGTON RD
STRATFORD, CT 06614

B: HARRINGTON KEITH
2025 HUNTINGTON RD
M.A.: 2027 HUNTINGTON RD
STRATFORD, CT 06614

C: NOGUEIRA LAURINDO & NOGUEIRA ZUREYDEN
55 REUT DR
M.A.: 55 REUT DR
STRATFORD, CT 06614

D: SWITTER MARGUERITE L
60 QUENBY PL
M.A.: 60 QUENBY PL
STRATFORD, CT 06614-1833

E: GABRIEL LISA
65 QUENBY PL
M.A.: 65 QUENBY PL
STRATFORD, CT 06614

F: STARRATT MALCOLM A & LENORE E SV
1955 HUNTINGTON RD
M.A.: 1955 HUNTINGTON RD
STRATFORD, CT 06614-1974

G: ERNST ROBERT S & SUSAN A
1950 HUNTINGTON RD
M.A.: 1950 HUNTINGTON RD
STRATFORD, CT 06614-1949

H: EVANS SEAN & BALDWIN TOYA
1996 HUNTINGTON RD
M.A.: 1996 HUNTINGTON RD
STRATFORD, CT 06615

I: ROSS ANTHONY EST C/O SUE McNAMARA
2010 HUNTINGTON RD
M.A.: 3548 MAIN ST
STRATFORD, CT 06614

J: WHILBY LORENZO S & HUTCHINSON-WHILBY LUDIA
&
2016 HUNTINGTON RD
M.A.: 2016 HUNTINGTON RD
STRATFORD, CT 06614

K: BELL JOHNNIE & VIRGINIA
2020 HUNTINGTON RD
M.A.: 2020 HUNTINGTON RD
STRATFORD, CT 06614

L: YASGAR LAURENCE & YASGAR RONNIE
2030 HUNTINGTON RD
2030 HUNTINGTON RD
STRATFORD, CT 06614

T-MOBILE NORTHEAST LLC

WIRELESS COMMUNICATIONS FACILITY

STRUCTURE ID: 826

STRUCTURE ID: CT11681A - RELO

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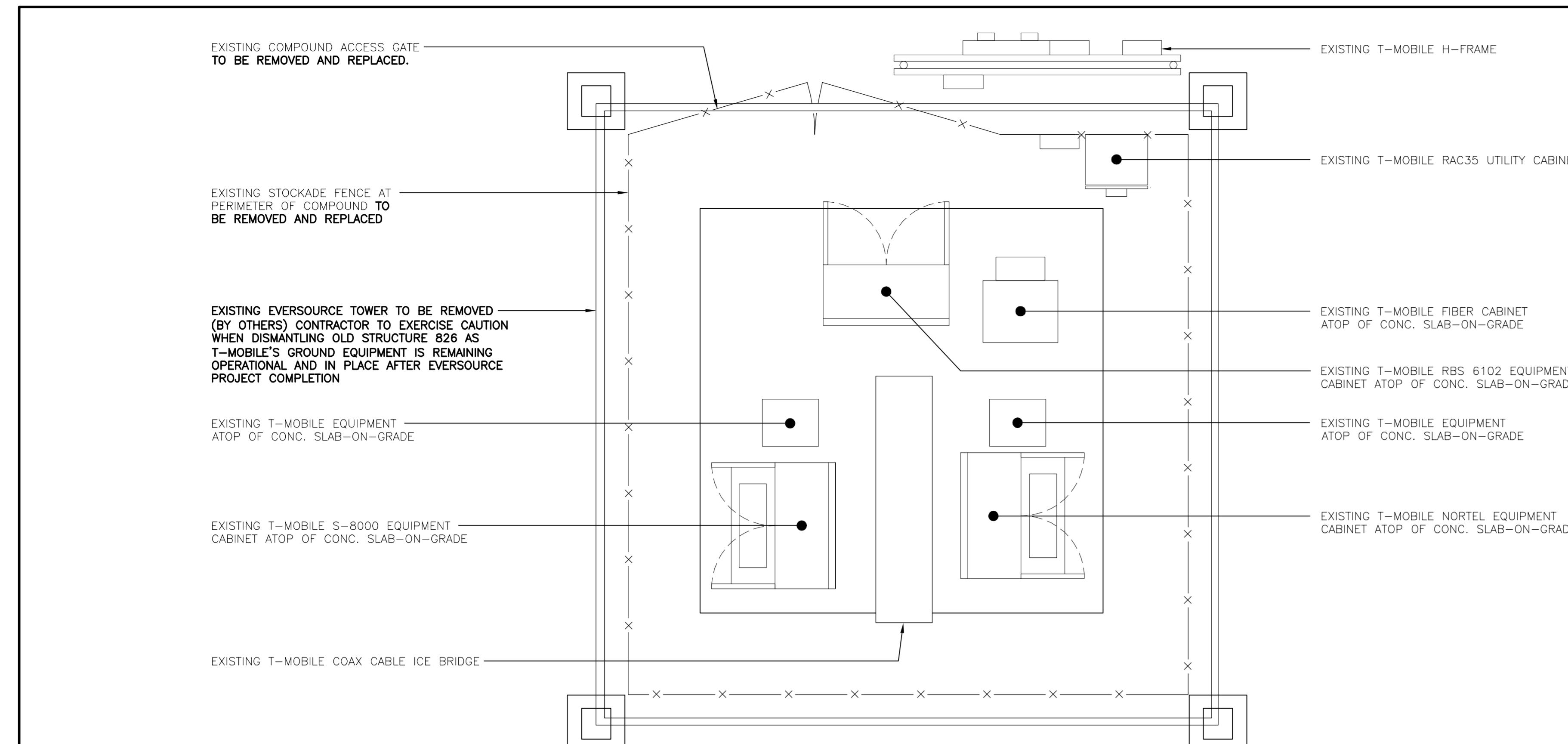
STRUCTURE ID: STRATFORD, CT 06614

STRUCTURE ID: 826

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STRUCTURE ID: 1975 HUNTINGTON ROAD

</div



1 EXISTING COMPOUND PLAN

C-2 SCALE: 3/8" = 1'

2
C-2A PROPOSED 6' TALL VINYL PRIVACY—
FENCE WITH DOUBLE 6' WIDE ACES-
GATES.

24'x24' FENCED AND GRAVEL SURFACE
COMPOUND AREA.

(3) PROPOSED RRUS11 B12'S —
MOUNTED ON PROPOSED EQUIPMENT
RACK WITH ICE BRIDGE CANOPY

7 PROPOSED T-MOBILE COAX
C-3 CABLE ICE BRIDGE

PROPOSED ITTO
EVERSOURCE REPL
TRANSMISSION POL
(BY OTHERS)

EXISTING T-MOBILE EQUIPMENT —
ATOP OF CONC. SLAB-ON-GRADE

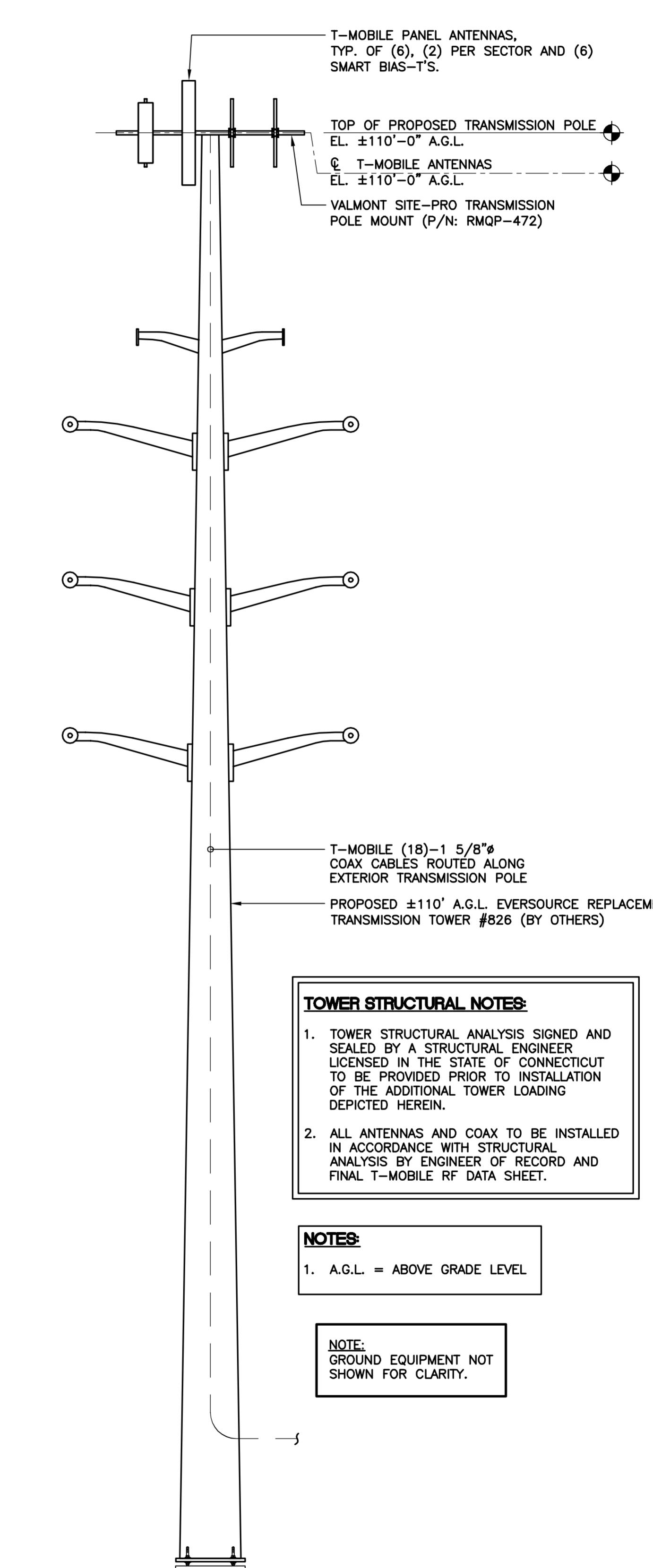
EXISTING T-MOBILE S-8000 EQUIPMENT CABINET ATOP OF CONC. SLAB-ON-

EXISTING T-MOBILE COAX CABLE ICE

2 C-2 PROPOSED COMPOUND PLAN

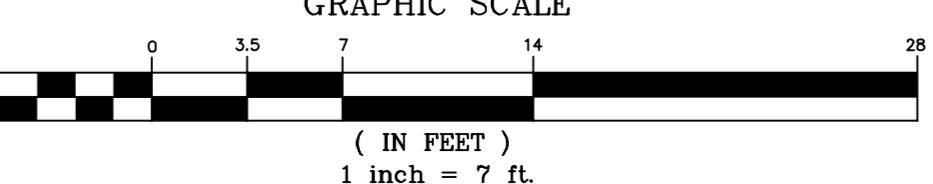
6-2

-
-



PROPOSED TOWER ELEVATION

SCALE: 1" = 7'-0"

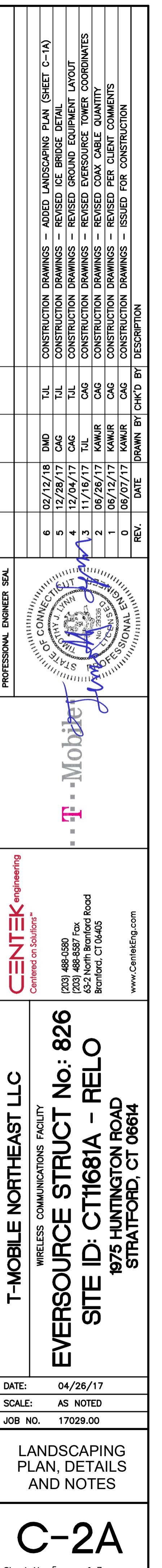
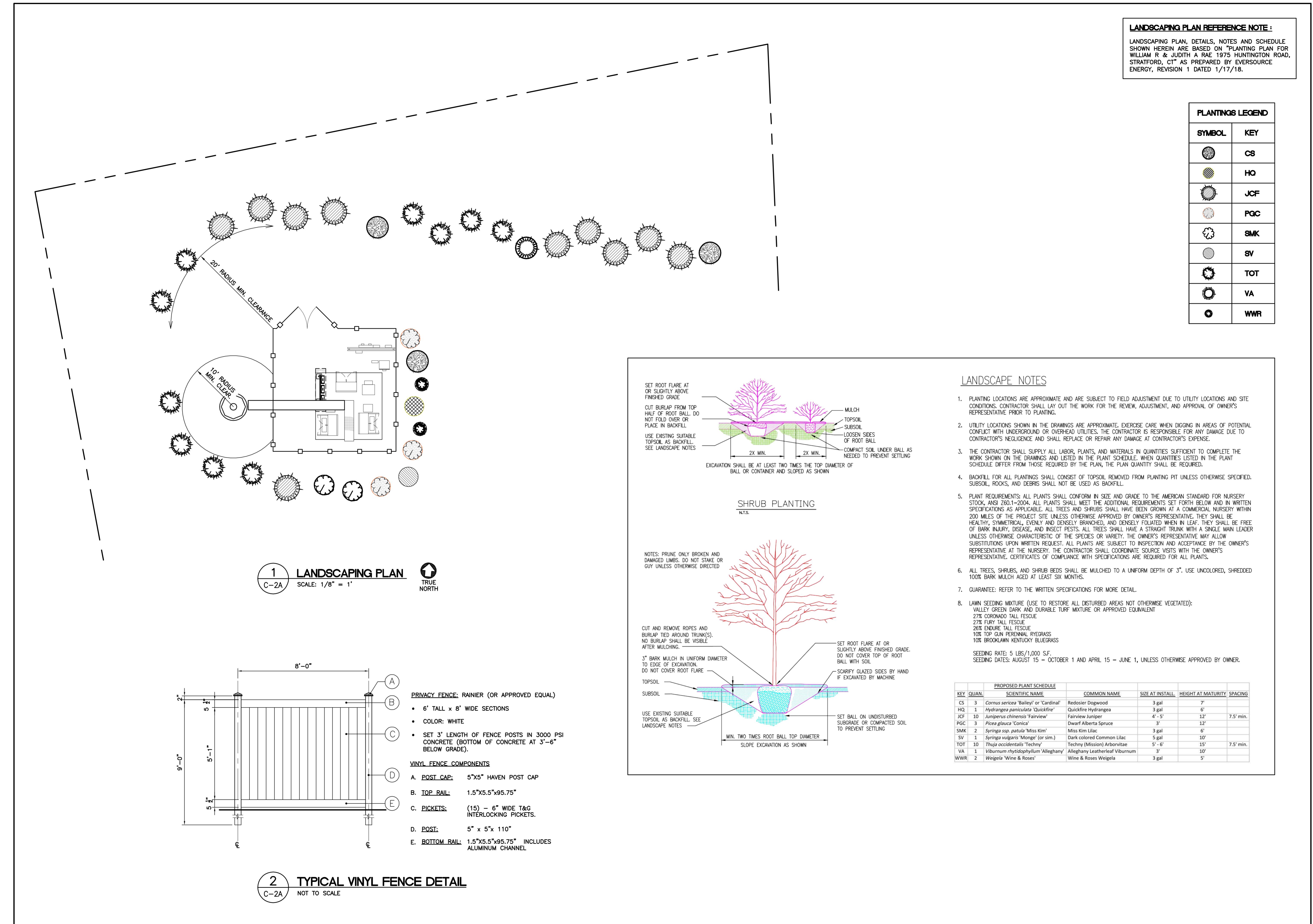


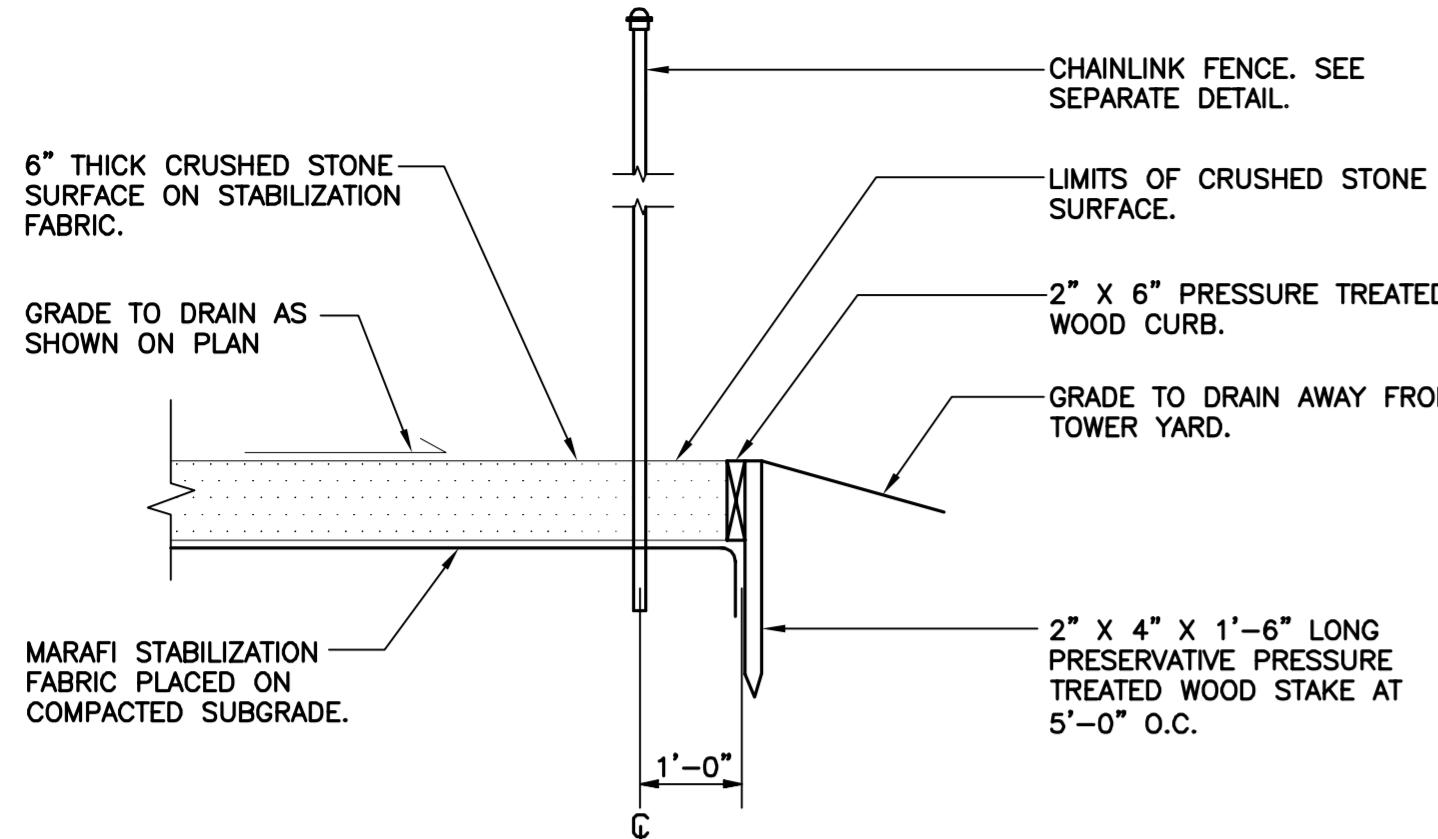
T-MOBILE NORTHEAST LLC
WIRELESS COMMUNICATIONS FACILITY
EVERSOURCE STRUCTURE ID: CT11681A - REL
1975 HUNTINGTON ROAD
STRATFORD, CT 06614

DATE:	04/26/17
SCALE:	AS NOTED
JOB NO.	17029.00

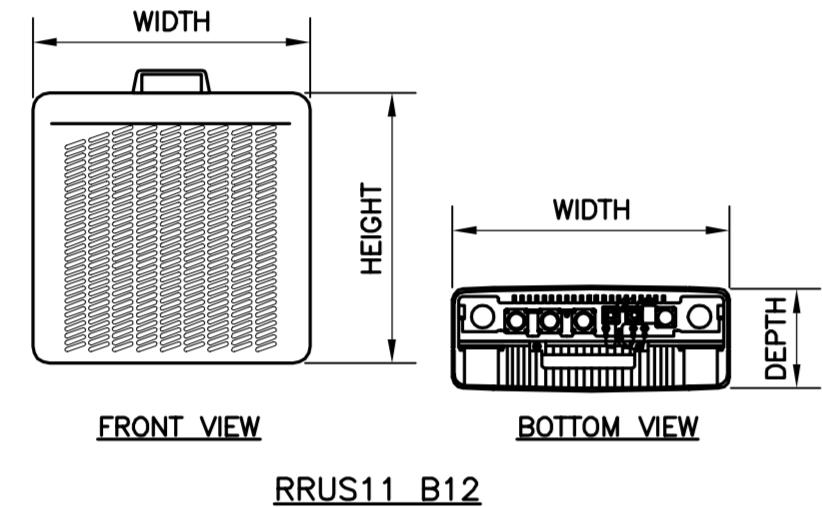
**COMPOUND PLANS
AND ELEVATION**

C-2





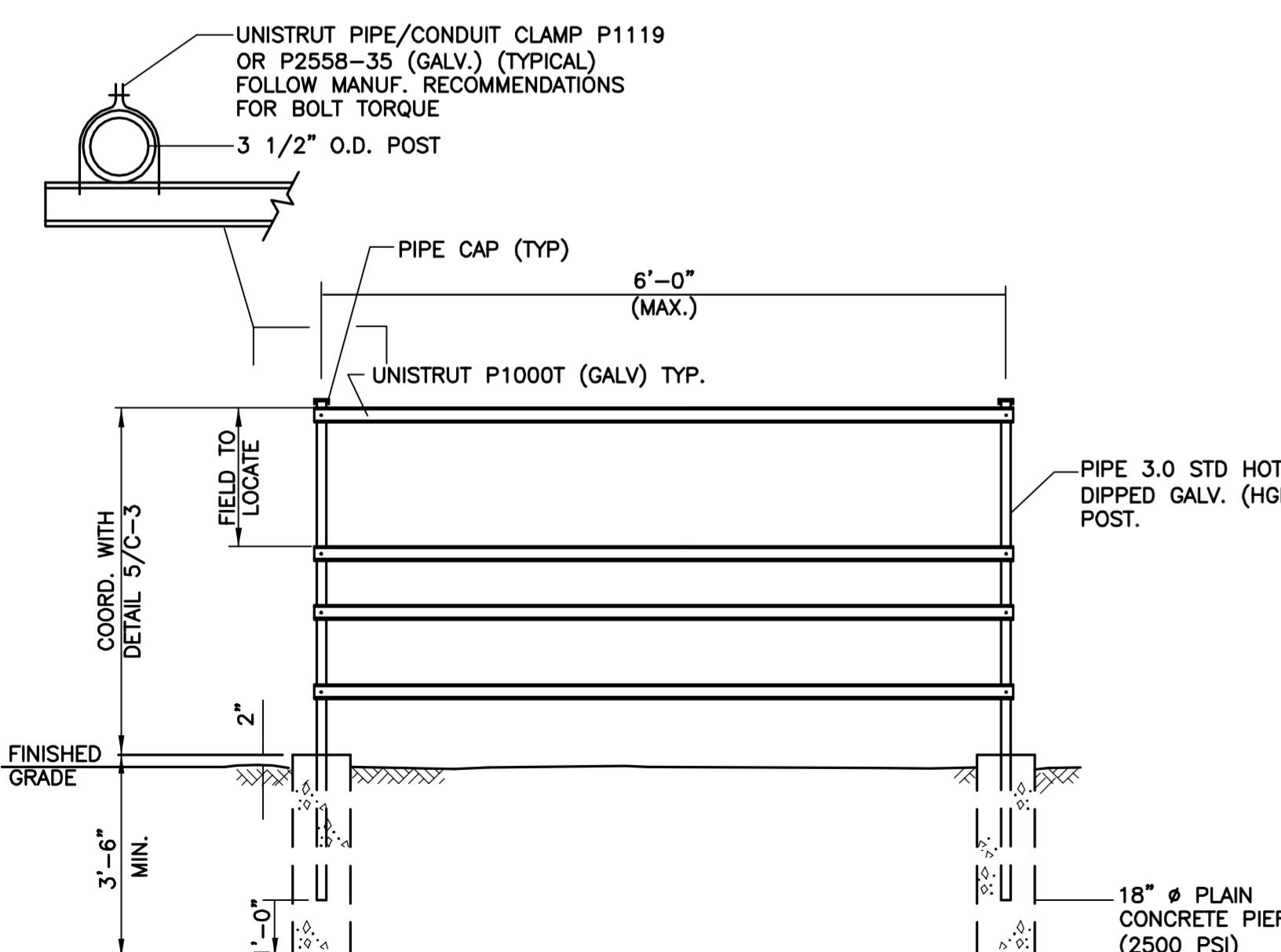
1 C-3 COMPOUND SURFACING DETAIL
NOT TO SCALE



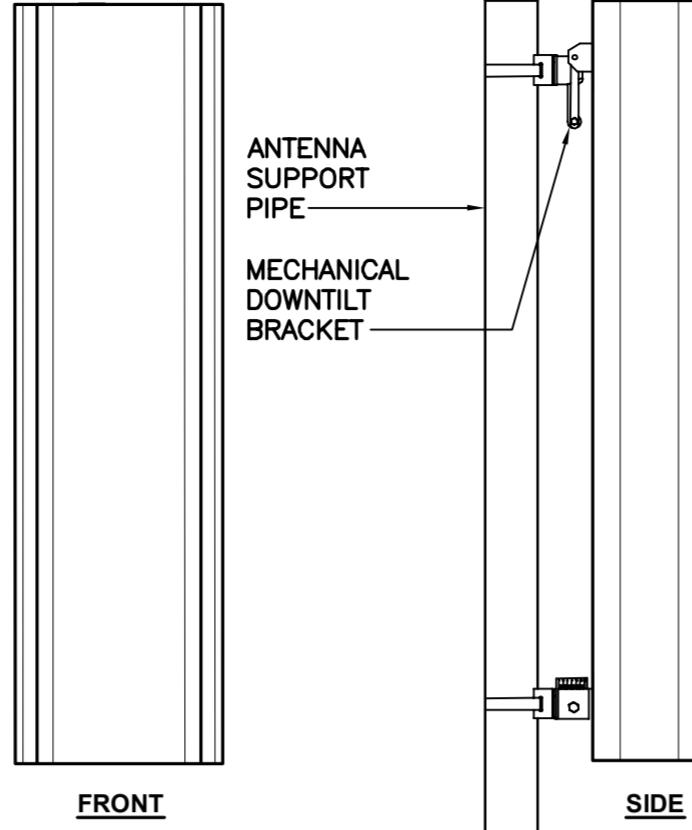
RRUS11 B12

RRU (REMOTE RADIO UNIT)			
EQUIPMENT	DIMENSIONS	WEIGHT	CLEARANCES
MAKE: ERICSSON MODEL: RRUS11 B12	17.8" L x 17.3" W x 7.2" D	50 LBS.	ABOVE: 16" MIN. BELOW: 12" MIN. FRONT: 36" MIN.
NOTES: 1. CONTRACTOR TO COORDINATE FINAL EQUIPMENT MODEL SELECTION WITH T-MOBILE CONSTRUCTION MANAGER PRIOR TO ORDERING.			

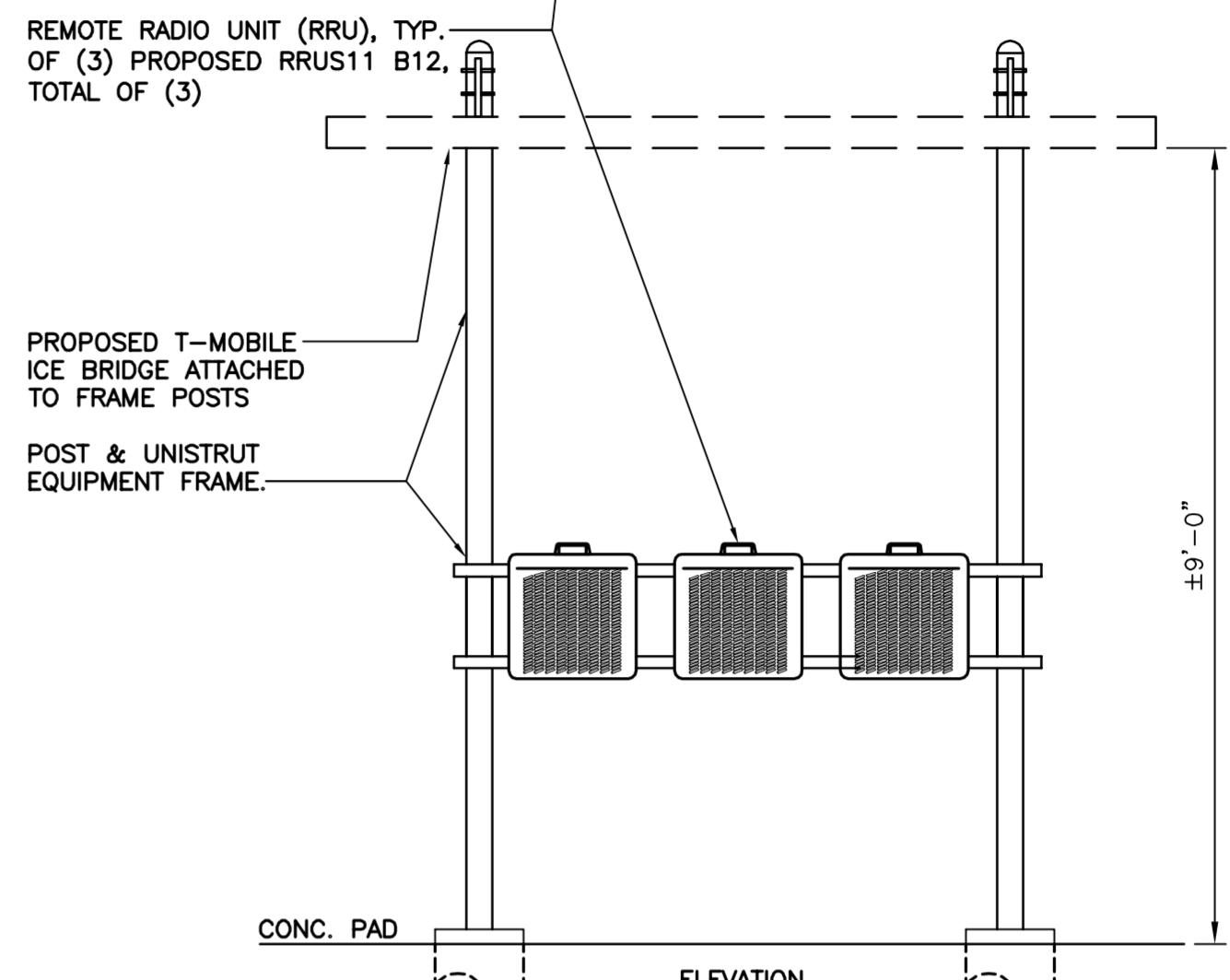
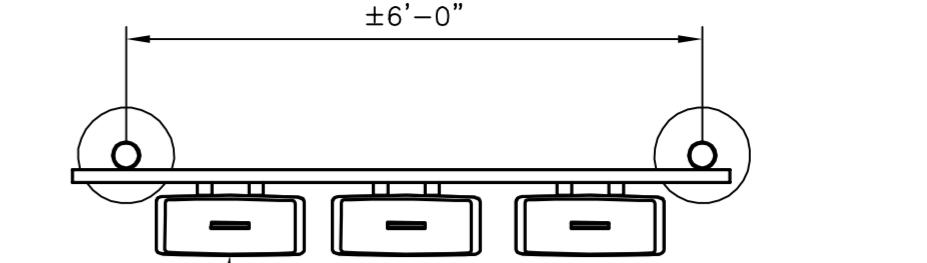
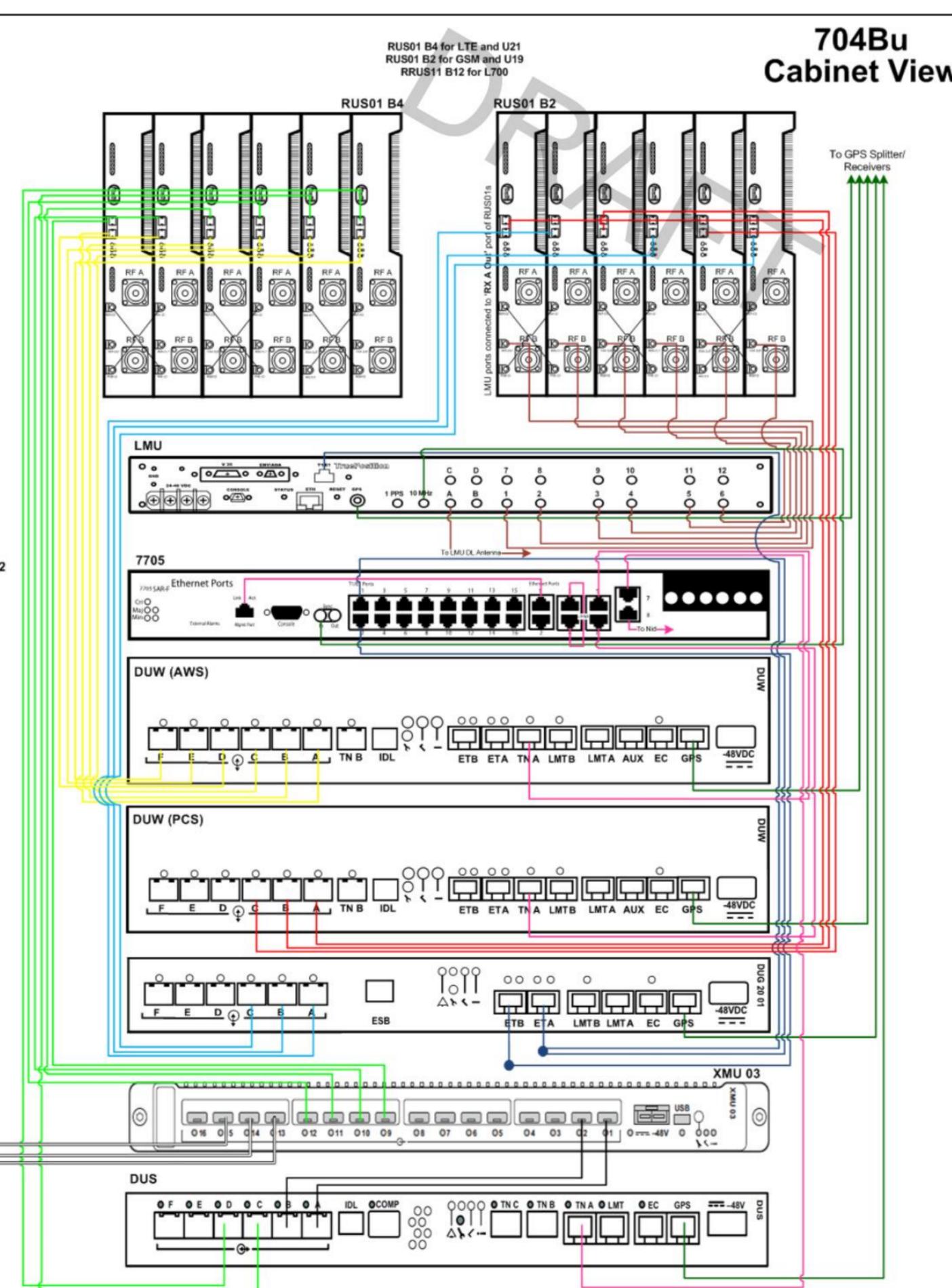
2 C-3 ERICSSON RRUS11 B12 DETAIL
SCALE: 1" = 1'-0"



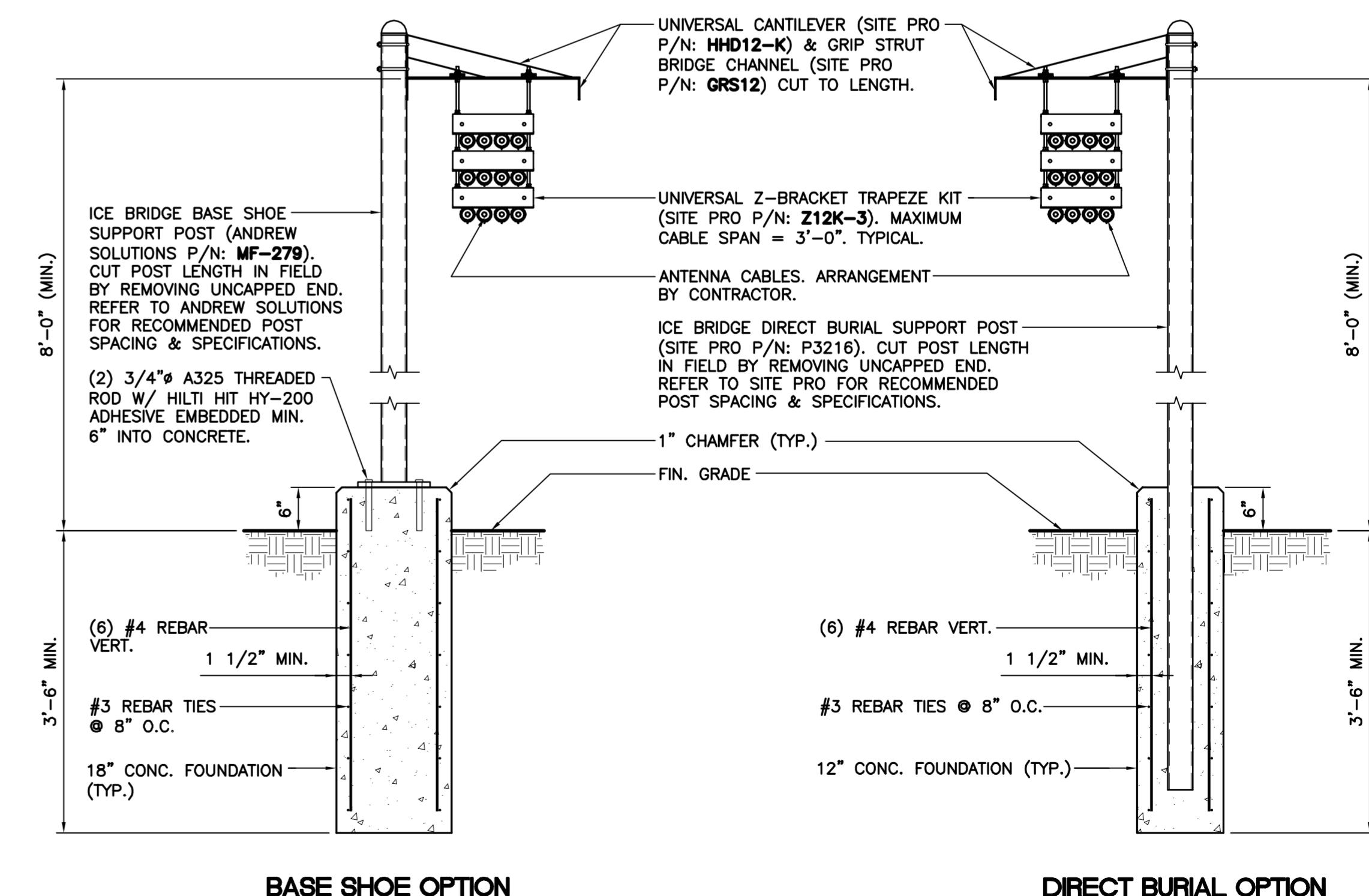
3 C-3 UTILITY SUPPORT FRAME (TYP.)
NOT TO SCALE



4 C-3 PROPOSED ANTENNA DETAIL
SCALE: 1/2" = 1'-0"



6 C-3 RRU MOUNTING CONFIG.
SCALE: 1/2" = 1'- 0"



BASE SHOE OPTION

DIRECT BURIAL OPTION

7 C-3 ICE BRIDGE DETAIL
SCALE: 3/4" = 1'

PROFESSIONAL ENGINEER SEAL	STATE OF CONNECTICUT	PROFESSIONAL ENGINEER
6	02/12/18 DMD	TUL
5	12/29/17 CAG	TUL
4	12/29/17 CAG	TUL
3	06/15/17 KANUR	CAG
2	06/28/17 KANUR	CAG
1	06/12/17 KANUR	CAG
0	06/07/17 KANUR	CAG
REV.	DATE DRAWN BY	CHKD BY
		DESCRIPTION

PROFESSIONAL ENGINEER SEAL	STATE OF CONNECTICUT	PROFESSIONAL ENGINEER
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REV.	DATE DRAWN BY	CHKD BY
		DESCRIPTION

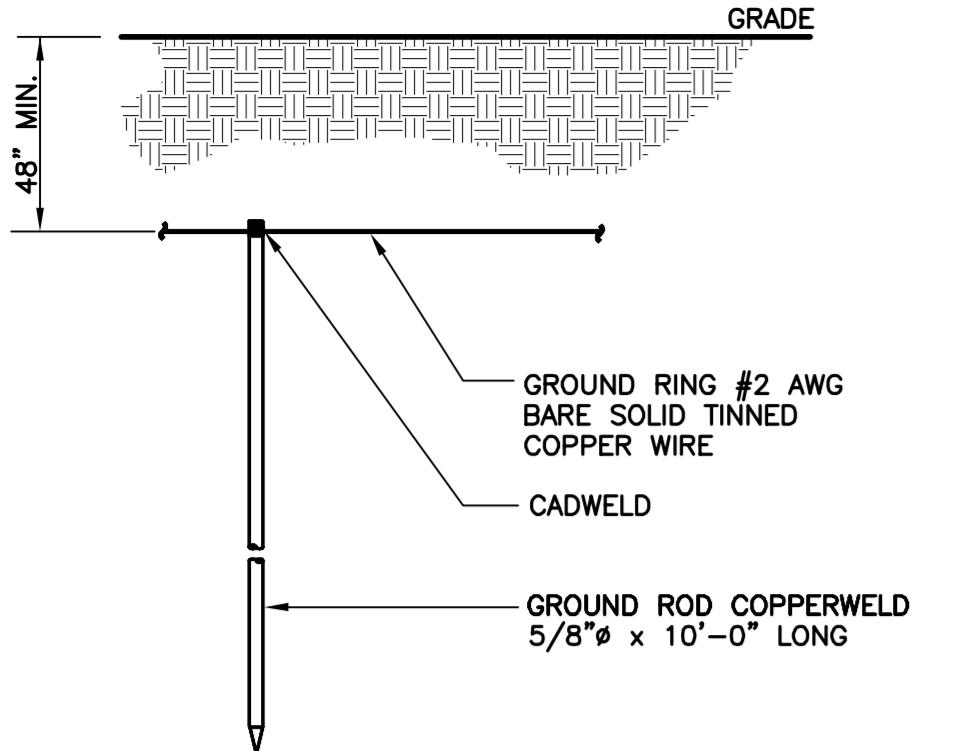
PROFESSIONAL ENGINEER SEAL	STATE OF CONNECTICUT	PROFESSIONAL ENGINEER
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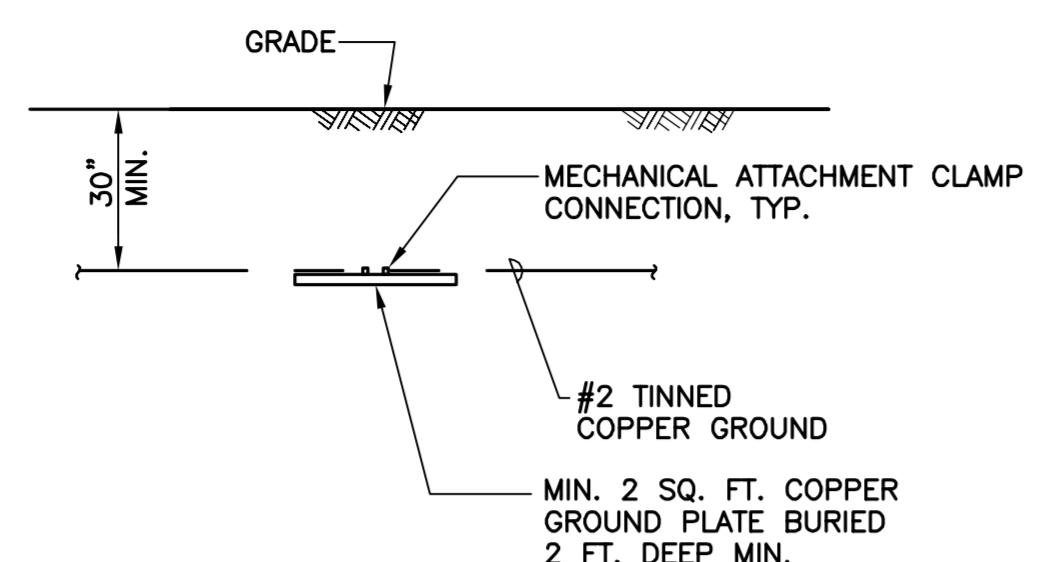
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NOTES:

1. USE GROUND PLATE DETAIL IF 10 FT. GROUND ROD DEPTH CANNOT BE ACHIEVED DUE TO LEDGE CONDITION OR IF EXISTING TOWER FOUNDATION IS ENCOUNTERED.

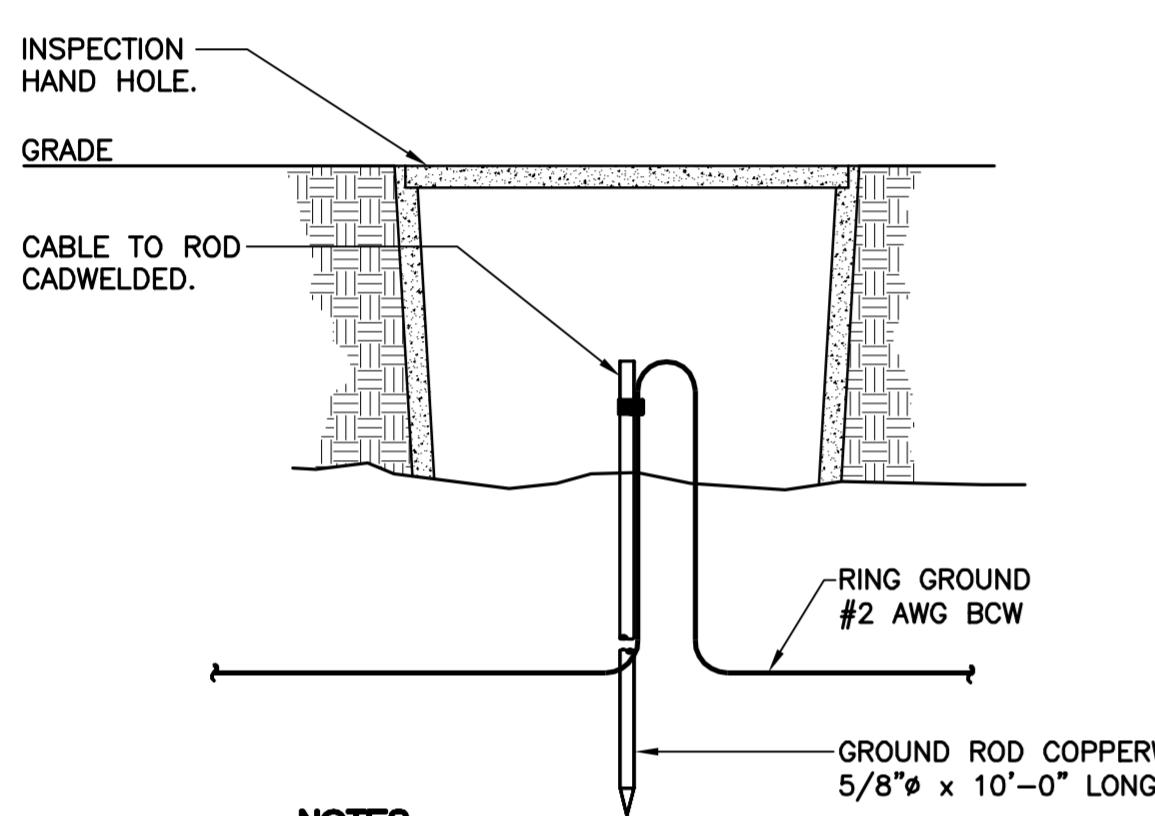
1 GROUND ROD DETAIL
E-1 NOT TO SCALE



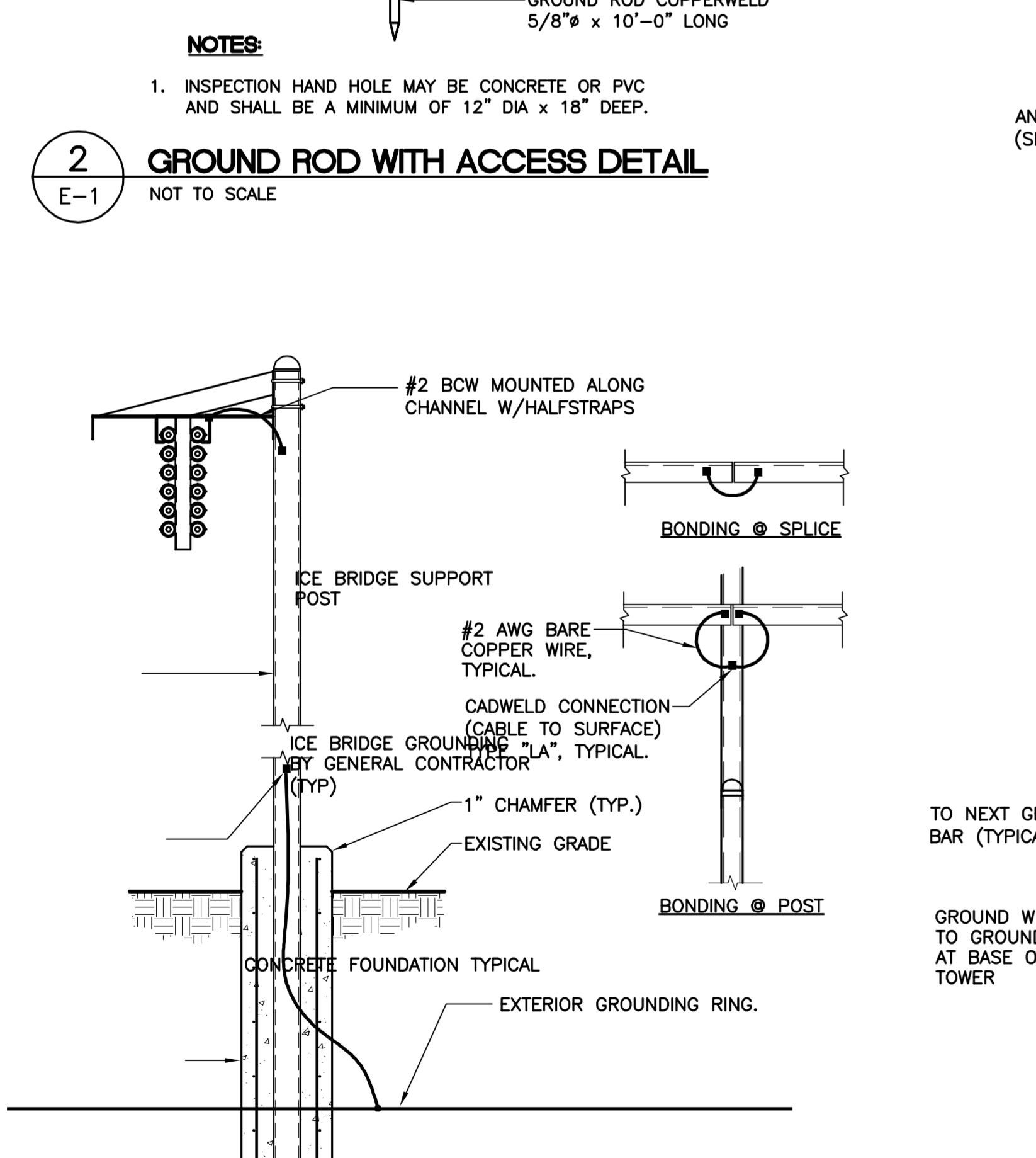
NOTES:

1. GROUND PLATE DETAIL TO BE USED ONLY IF 10 FT. GROUND ROD DEPTH CANNOT BE ACHIEVED DUE TO LEDGE CONDITION OR IF EXISTING TOWER FOUNDATION IS ENCOUNTERED.

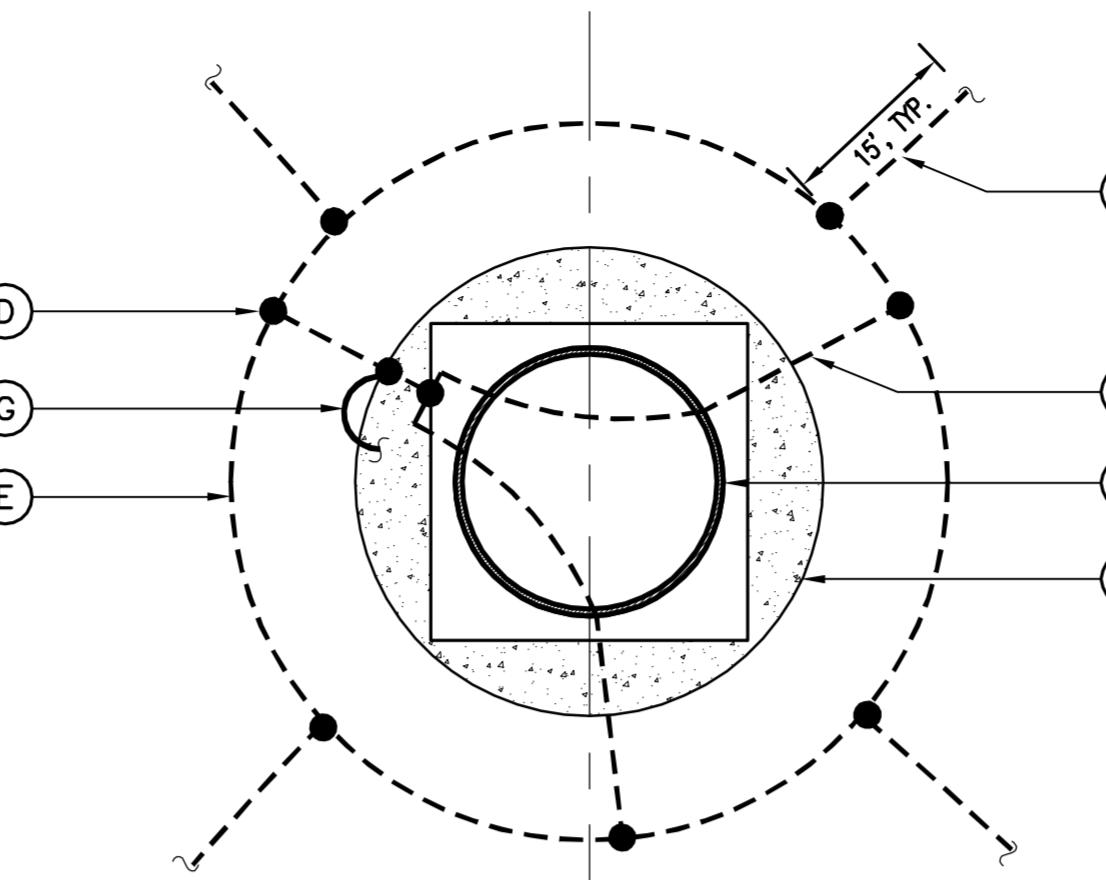
1A GROUND PLATE DETAIL
E-1 NOT TO SCALE



2 GROUND ROD WITH ACCESS DETAIL
E-1 NOT TO SCALE



3 ICE BRIDGE BONDING DETAIL
E-1 NOT TO SCALE



4 EVERSOURCE TOWER GROUNDING DETAIL
E-1 NOT TO SCALE

EVERSOURCE TOWER GROUNDING NOTES:

(EVERSOURCE REQUIREMENTS)

- STEEL HYBRID POLE.
- CONCRETE CAISSON TYPE FOUNDATION.
- STRANDED COPPERWELD SPOKE FROM POLE GROUND TO GRADING RING. SPOKES ARE A CONTINUATION OF STRANDED COPPERWELD COUNTERPOISE CONNECTING GRADING RING TO POLE GROUND. SPOKES TO SLOPE ON STRAIGHT LINE FROM GROUND LEVEL TO GRADING RING.
- PARALLEL GROVE CONNECTOR, NU SC190052.
- GRADING RING @ 18" MINIMUM BELOW GRADE AND 24" TO 30" FROM TOWER FOUNDATION. GRADING RING TO BE 3 NO. 8 STRANDED ANNEALED COPPERWELD.
- COUNTERPOISE, 3 NO. 8 STRANDED ANNEALED COPPERWELD (TYPICAL).
- COPPERWELD POLE GROUND.

GENERAL NOTES:

1. THE INFORMATION ON THIS SHEET REPRESENTS TYPICAL EVERSOURCE GROUNDING REQUIREMENTS. CONTRACTOR MUST COORDINATE WITH EVERSOURCE SITE MANAGER FOR SPECIFIC (AND CURRENT) GROUNDING REQUIREMENTS AT THIS SITE.

1. BOND COAXIAL CABLE GROUND KITS TO EACH OWNER'S GROUND BAR ALONG ENTIRE COAX RUN FROM ANTENNA TO SHELTER.
2. BOND ALL EQUIPMENT TO GROUND PER NEC AND MANUFACTURERS SPECIFICATIONS.
3. DETAIL IS TYPICAL FOR ALL ANTENNA SECTORS, INCLUDING GPS ANTENNA.
4. EVERSOURCE WILL BE RESPONSIBLE FOR PERFORMING TESTS FOR SURGE IMPEDANCE AND WAVE IMPEDANCE.
5. UNLESS OTHERWISE DIRECTED BY THE OWNER'S REPRESENTATIVE, COUNTERPOISE SHALL BE BURIED A MINIMUM OF 24" IN CULTIVATED AREAS AND 18" IN WOODS OR OTHER AREAS. IN ROCKY AREAS OR WHERE OBSTRUCTIONS ARE ENCOUNTERED, THE COUNTERPOISE SHALL BE DIVERTED AROUND SUCH OBSTRUCTIONS. ALL INSTALLATIONS SHALL INCLUDE CONNECTIONS TO EXISTING OR PROPOSED STRUCTURES, AND SUCH CONNECTIONS SHALL BE MADE BELOW GROUND USING BOLTED PARALLEL GROVE CONNECTORS.
6. WHERE MULTIPLE STRUCTURE GROUNDS EXIST AT MULTI POLE STRUCTURES, THEY SHALL BE CONNECTED TOGETHER WITH BURIED COPPERWELD WIRE, BUT ONLY IF SUCH GROUNDS HAVE METALLIC CONNECTIONS UP THE POLES TO THE SHIELD WIRE(S). AT STRUCTURES THAT HAVE PALE GROUNDS, AND ALSO POLE GUY GROUNDS, CONNECTIONS SHALL BE MADE ONLY TO THE POLE GROUNDS, AND THE MINIMUM SPACING BETWEEN THE COUNTERPOISE AND ANCHOR RODS SHALL BE 10'. AT WOOD POLE STRUCTURES WHERE NO SUCH POLE GROUND EXISTS, COUNTERPOISE CONNECTIONS SHALL BE MADE TO THE POLE TOP GUYS.
7. FOR SINGLE CONTINUOUS (TYPE A) AND SINGLE BROKEN (TYPE B) COUNTERPOISE, THE WIRE SHALL IN GENERAL BE LAYED AT THE CENTERLINE OF THE TRANSMISSION LINE. FOR DOUBLE CONTINUOUS (TYPE C) AND DOUBLE BROKEN (TYPE D) COUNTERPOISE, THE WIRES SHALL IN GENERAL BE LAYED UNDER THE OUTSIDE PHASE WIRES OF THE TRANSMISSION LINE. COUNTERPOISE SHALL NOT BE INSTALLED ACROSS BROOKS, RIVERS, HIGHWAYS, RAILROADS, OR IN THE VICINITY OF TELEPHONE CABLES OR PIPELINES.
8. AT STEEL POLE STRUCTURES, A BURIED GRADING RING AND SPOKES SHALL ALSO BE INSTALLED AROUND THE STRUCTURE UNLESS THE STRUCTURE HAS A PAD AND PIER FOUNDATION OR UNLESS A RING ALREADY EXISTS. COUNTERPOISE WIRE SHALL BE CONNECTED AT TWO PLACES TO EACH RING, AND COPPERWELD SPOKES SHALL SLOPE LINEARLY UP TO THE STRUCTURE GROUND.
9. AT WOOD POLE STRUCTURES, AN 8' LENGTH OF PLASTIC MOLDING SHALL BE STAPLED OVER THE BOTTOM WITH 8' OF LEAD.
10. GROUND RODS:
 - WHERE GROUND RODS ARE REQUIRED, THEY SHALL BE SINGLE OR SECTIONAL WITH THE LENGTH SPECIFIED. THEY SHALL BE DRIVEN VERTICALLY INTO THE GROUND TO A DEPTH WHICH WILL LEAVE THE TOP OF THE ROD AT LEAST 12" BELOW GRADE. ALL RODS SHALL BE CONNECTED TO COUNTERPOISE OR TO POLE GROUNDS USING BOLTED CONNECTORS.
11. REHABILITATION:
 - SELECTIVE CLEARING PROCEDURES WERE USED IN THE DEVELOPMENT OF THE RIGHT-OF-WAY, AND GROWTH OF SELECTED SPECIES HAS BEEN SAVED. THE CONTRACTOR SHALL NOT VIOLATE THE OWNER'S INTENT TO SAVE SELECTIVE SPECIES AND IMPOSE THE MINIMUM ENVIRONMENTAL IMPACT ON THE RIGHT OF WAY DURING THE EXECUTION OF THE WORK. THE CONTRACTOR SHALL REVIEW THE ROUTING OF EACH SECTION OF COUNTERPOISE WITH THE OWNER'S REPRESENTATIVE PRIOR TO ITS FIELD SPECIFIED LOCATION. THE CONTRACTOR IS RESPONSIBLE TO THE OWNER FOR DAMAGES TO THE RIGHT-OF-WAY IN OTHER THAN THE FIELD SPECIFIED LOCATIONS.
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 - IN LOCATIONS WHERE EXCAVATION FOR THE INSTALLATION OF COUNTERPOISE BRINGS TO THE SURFACE ANY SMALL BOULDERS, THEY WILL BE BACKFILLED BELOW GRADE OR DISPERSED ON THE RIGHT-OF-WAY AS THE OWNER'S REPRESENTATIVE MAY DIRECT. INSTALLATION OF THE COUNTERPOISE SHALL NOT RESULT IN A PATH OF SMALL BOULDERS ON THE FINISHED SURFACE.
 - THE OWNER ANTICIPATES THAT SEASONAL CONDITIONS MAY NOT ALLOW PERMANENT REHABILITATION OF WORK SITES AND THE RIGHT-OF-WAY UPON COMPLETION OF THE INSTALLATION OF THE COUNTERPOISE. WHERE TEMPORARY REHABILITATION HAS BEEN COMPLETED IN ADVERSE SEASON, THE CONTRACTOR SHALL TAKE THE FOLLOWING STEPS:
 - WATERBARS WILL BE CONSTRUCTED ON ACCESS ROADS AND TRENCH LINES TO SHUNT WATER OFF THIS LINE OF DISTURBED SURFACES AND CONTROL EROSION ALONG THE DISTURBED SURFACE.
 - ALL DISTURBED SURFACES OF FOUNDATION SITES OR ALONG TRENCH LINES OR ACCESS ROADS WILL BE GRADED AND COVERED WITH HAY MULCH. SUCH DISTURBED SURFACES ON SLOPES GREATER THAN ONE (VERTICAL) ON FOUR (HORIZONTAL) SHALL BE COVERED WITH WOOD CHIPS.
 - AS DRYING CONDITIONS PERMIT IN THE SPRING, FOLLOWING COMPLETION OF THE INSTALLATION OF COUNTERPOISE, PERMANENT REHABILITATION OF ALL DISTURBED OR ERODED SURFACES SHALL BE ACCOMPLISHED AS FOLLOWS:
 - LAWNS, GOLF COURSES, CEMETERIES AND OTHER SIMILAR OCCUPANCIES SHALL BE LOAMED, GRADED, FERTILIZED, SEEDED AND WHERE APPROPRIATE, MULCHED, TO ESTABLISH A REHABILITATION CONSISTENT WITH THE USE ESTABLISHED BY THE OCCUPANT.
 - GARDENS, OTHER CULTIVATED AREAS AND PASTURES, SHALL BE GRADED AND TOPSOILED TO RESTORE THE DEPTH OF FERTILE SOIL COMMON TO THE ADJACENT GROUND. WHERE APPROPRIATE, SEEDING SHALL BE DONE IN ACCORDANCE WITH STEP C BELOW.
 - THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS ALONG THE NEW COUNTERPOISE ROUTES. SEED SHALL BE SPREAD AT THE RATE OF 100 LBS. PER ACRE AND SHALL BE AS FOLLOWS OR APPROVED EQUAL:

% BY WEIGHT	% BY GERMINATION	% BY PURITY
CREEPING RED FESCUE	30	85
DOMESTIC RYE	20	90
KENTUCKY TALL FESCUE	50	--
	100	
 - ALL OTHER DISTURBED AREAS INCLUDING REMAINING FOUNDATION SITES, ACCESS ROADS, AND REPAIR OF EROSION OR SITUATION SHALL BE SEDED WITH MIXED SPECIFICATION ABOVE. IN REMOTE AREAS, A CONSERVATION MIX, AS USED BY THE CONNECTICUT STATE PARKS AND FOREST COMMISSION MAY BE SUBSTITUTED. ALL AREAS WHICH EXPERIENCED EROSION DAMAGE AND ALL SLOPES OVER ONE (VERTICAL) AND FOUR (HORIZONTAL) WHERE TEMPORARY REHABILITATION WORK HAS BEEN DONE SHALL BE REMULCHED.
 - IT IS IMPERATIVE THAT PERMANENT REHABILITATION BE ACCOMPLISHED IN GOOD TIME, WHICH WILL ALLOW THE OCCUPANT FULL AND UNDISTURBED USE OF THE SITE IN THE SUCCEEDING SEASON, AND TO PREVENT UNNECESSARY AND UNREASONABLE SPREADING OF CONTINUATION OF DISTURBED SURFACES.
 - ANY BRUSH ALONG THE ACCESS ROADS WHICH IS LEFT IN AN UNTIDY CONDITION BY THE WORK CONDUCTED, SHALL BE CUT TO THE GROUND BY THE CONTRACTOR AND LEFT IN SMALL NEAT PILES IN PLACE WHERE CUT.

EVERSOURCE - TOWER GROUNDING SYSTEM NOTES

GENERAL

1. THE OWNER WILL FURNISH THE WIRE, CONNECTORS, AND MISCELLANEOUS MATERIAL ASSOCIATED WITH THE COUNTERPOISE GROUNDING SYSTEM.
2. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO INSTALL THE GROUNDING SYSTEM AND TO REHABILITATE THE RIGHT-OF-WAY AS CLOSE AS POSSIBLE TO ITS ORIGINAL CONDITION.
3. THE CONTRACTOR SHALL HANDLE AND TRANSPORT THE OWNER SUPPLIED MATERIAL FROM THE OWNER'S STOREROOMS AND YARDS TO THE JOB SITE AND SHALL RETURN SURPLUS MATERIAL AND EMPTY REELS TO DESIGNATED STOREROOMS AND YARDS UPON COMPLETION OF THE CONTRACT.
4. EVERSOURCE WILL BE RESPONSIBLE FOR PERFORMING TESTS FOR SURGE IMPEDANCE AND WAVE IMPEDANCE.

INSTALLATION

1. UNLESS OTHERWISE DIRECTED BY THE OWNER'S REPRESENTATIVE, COUNTERPOISE SHALL BE BURIED A MINIMUM OF 24" IN CULTIVATED AREAS AND 18" IN WOODS OR OTHER AREAS. IN ROCKY AREAS OR WHERE OBSTRUCTIONS ARE ENCOUNTERED, THE COUNTERPOISE SHALL BE DIVERTED AROUND SUCH OBSTRUCTIONS. ALL INSTALLATIONS SHALL INCLUDE CONNECTIONS TO EXISTING OR PROPOSED STRUCTURES, AND SUCH CONNECTIONS SHALL BE MADE BELOW GROUND USING BOLTED PARALLEL GROVE CONNECTORS.
2. WHERE MULTIPLE STRUCTURE GROUNDS EXIST AT MULTI POLE STRUCTURES, THEY SHALL BE CONNECTED TOGETHER WITH BURIED COPPERWELD WIRE, BUT ONLY IF SUCH GROUNDS HAVE METALLIC CONNECTIONS UP THE POLES TO THE SHIELD WIRE(S). AT STRUCTURES THAT HAVE PALE GROUNDS, AND ALSO POLE GUY GROUNDS, CONNECTIONS SHALL BE MADE ONLY TO THE POLE GROUNDS, AND THE MINIMUM SPACING BETWEEN THE COUNTERPOISE AND ANCHOR RODS SHALL BE 10'. AT WOOD POLE STRUCTURES WHERE NO SUCH POLE GROUND EXISTS, COUNTERPOISE CONNECTIONS SHALL BE MADE TO THE POLE TOP GUYS.
3. FOR SINGLE CONTINUOUS (TYPE A) AND SINGLE BROKEN (TYPE B) COUNTERPOISE, THE WIRE SHALL IN GENERAL BE LAYED AT THE CENTERLINE OF THE TRANSMISSION LINE. FOR DOUBLE CONTINUOUS (TYPE C) AND DOUBLE BROKEN (TYPE D) COUNTERPOISE, THE WIRES SHALL IN GENERAL BE LAYED UNDER THE OUTSIDE PHASE WIRES OF THE TRANSMISSION LINE. COUNTERPOISE SHALL NOT BE INSTALLED ACROSS BROOKS, RIVERS, HIGHWAYS, RAILROADS, OR IN THE VICINITY OF TELEPHONE CABLES OR PIPELINES.
4. AT STEEL POLE STRUCTURES, A BURIED GRADING RING AND SPOKES SHALL ALSO BE INSTALLED AROUND THE STRUCTURE UNLESS THE STRUCTURE HAS A PAD AND PIER FOUNDATION OR UNLESS A RING ALREADY EXISTS. COUNTERPOISE WIRE SHALL BE CONNECTED AT TWO PLACES TO EACH RING, AND COPPERWELD SPOKES SHALL SLOPE LINEARLY UP TO THE STRUCTURE GROUND.
5. AT WOOD POLE STRUCTURES, AN 8' LENGTH OF PLASTIC MOLDING SHALL BE STAPLED OVER THE BOTTOM WITH 8' OF LEAD.

GROUND RODS

1. WHERE GROUND RODS ARE REQUIRED, THEY SHALL BE SINGLE OR SECTIONAL WITH THE LENGTH SPECIFIED. THEY SHALL BE DRIVEN VERTICALLY INTO THE GROUND TO A DEPTH WHICH WILL LEAVE THE TOP OF THE ROD AT LEAST 12" BELOW GRADE. ALL RODS SHALL BE CONNECTED TO COUNTERPOISE OR TO POLE GROUNDS USING BOLTED CONNECTORS.

REHABILITATION

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5. AS DRYING CONDITIONS PERMIT IN THE SPRING, FOLLOWING COMPLETION OF THE INSTALLATION OF COUNTERPOISE, PERMANENT REHABILITATION OF ALL DISTURBED OR ERODED SURFACES SHALL BE ACCOMPLISHED AS FOLLOWS:
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KENTUCKY TALL FESCUE	50	--
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8. IT IS IMPERATIVE THAT PERMANENT REHABILITATION BE ACCOMPLISHED IN GOOD TIME, WHICH WILL ALLOW THE OCCUPANT FULL AND UNDISTURBED USE OF THE SITE IN THE SUCCEEDING SEASON, AND TO PREVENT UNNECESSARY AND UNREASONABLE SPREADING OF CONTINUATION OF DISTURBED SURFACES.
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PROFESSIONAL ENGINEER SEAL	CONSTRUCTION DRAWINGS - ADDED LANDSCAPING PLAN (SHEET C-1A)	CONSTRUCTION DRAWINGS - REVISED ICE BRIDGE DETAIL	CONSTRUCTION DRAWINGS - REVISED GROUND EQUIPMENT LAYOUT	CONSTRUCTION DRAWINGS - REVISED EVERSOURCE TOWER COORDINATES	CONSTRUCTION DRAWINGS - REVISED COAX CABLE QUANTITY	CONSTRUCTION DRAWINGS - REVISED PER CLIENT COMMENTS
REV.	02/12/18	DMD	TUL	TUL	TUL	
	12/29/17	CAG	TUL	TUL	TUL	
	12/29/17	CAG	TUL	TUL	TUL	
	06/28/17	KANUR	KANUR	KANUR	KANUR	
DATE	04/26/17					
SCALE	AS NOTED					
JOB NO.	17029.00					
T-MOBILE NORTHEAST LLC						
WIRELESS COMMUNICATIONS FACILITY						
EVERSOURCE STRUCTURE ID: CT1168A - RELO						
1975 HUNTINGTON ROAD						
STRAIGHT, CT 06614						
CENTEK engineering						
Centered on Solutions™						
(203) 488-5580 Fox						
(203) 488-5580 Fox						
63-2 North Branford Road						
Branford, CT 06405						
www.CentekEng.com						
TYPICAL ELECTRICAL DETAILS						
T-1						
Sheet No. 7 of 7						

ATTACHMENT D



ATTACHMENT E

February 14, 2018

VIA USPS CERTIFIED MAIL/
RETURN RECEIPT REQUESTED

<<Name_and_Address>>

RE: **Revised Notice letter**

T-Mobile Northeast LLC ("T-Mobile")
Proposed Replacement Facility on Eversource Tower
Huntington Road, Stratford, CT

Dear Sir or Madam

We are writing to you on behalf of our client T-Mobile Northeast LLC ("T-Mobile") with respect to the above referenced matter and our client's intent to file a petition with the State of Connecticut Siting Council for approval of a proposed wireless communications tower facility (the "Facility") within the Town of Stratford.

State law requires that record owners of property abutting a parcel on which a facility is proposed be sent notice of an applicant's intent to file a petition with the Siting Council.

Included with this letter please find a Notice of this submission and details of the proposal. Revisions to the petition dated January 16, 2018 have been submitted to the CT State Siting Council and are under review.

If you have any questions concerning this petition, please contact the Connecticut Siting Council or the undersigned after February 16, 2018.

Sincerely,

Denise Sabo
Enclosure

NOTICE

Notice is hereby given, pursuant to Section 16-50j-40(a) of the Regulations of Connecticut State Agencies of a Petition to be file with the Connecticut Siting Council (“Siting Council” on or after January 16, 2018 by T-Mobile Northeast LLC (“T-Mobile”) the (“Petitioner”). T-Mobile seeks a declaratory ruling that replacement of an existing wireless facility does not have significant adverse environmental effects that might otherwise require a certificate of environmental compatibility and public need (“Certificate”).

T-Mobile currently maintains an operational facility on an existing electrical transmission tower #826 off of Huntington Road in Stratford. Eversource recently received approval to replace this and several other transmission towers from West Devon Junction to Trumbull Junction in Stratford as part of a necessary upgrade project (Siting Council Petition 1291). Accordingly, T-Mobile must permanently relocate from existing transmission structure #826 to the newly approved tower.

If feasible, T-Mobile will coordinate with Eversource to construct the Relocation Facility at the same time Eversource is replacing the tower and during the necessary transmission line outage.

The Petition will provide details of the Relocation Facility and explain why it represents no significant adverse environmental effects. The location, height and other features of the facility are subject to review and potential change under provisions of the Connecticut General Statutes Sections 16-50g et. seq.

Copies of the Petition will be available for review during normal business hours on or after February 16, 2018 at the following:

Connecticut Siting Council 10 Franklin Square New Britain, CT 06051	Town of Stratford Zoning Office 2725 Main Street Stratford, CT 06615
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or the offices of the undersigned. All inquiries should be addressed to the Connecticut Siting Council or to the undersigned.

Denise Sabo
Northeast Site Solutions
420 Main Street #2
Sturbridge, MA 01566
(860)209-4690

CERTIFICATION OF SERVICE

ADDRESSEE

HARRINGTON KEITH A & HARRINGTON ARLENE G & SV
NOGUEIRA LAURINDO & NOGUEIRA ZUREYDEN
SWITTER MARGUERITE L
GABRIEL LISA
STARRATT MALCOLM A & LENORE E SV
BELL JOHNNIE & VIRGINIA
WHILBY LORENZO S & HUTCHINSON-WHILBY LUDIA &
ROSS ANTHONY EST C/O SUE McNAMARA
EVANS SEAN & BALDWIN TOYA
ERNST ROBERT S & SUSAN A
WILLIAM R & JUDITH A RAE

<u>MAILING ADDRESS</u>	<u>CITY</u>	<u>STATE</u>	<u>ZIP</u>
2025 HUNTINGTON RD	STRATFORD	CT	06614
55 REUT DRIVE	STRATFORD	CT	06614
60 QUENBY PL	STRATFORD	CT	06614-1833
65 QUENBY PL	STRATFORD	CT	06614
1955 HUNTINGTON RD	STRATFORD	CT	06614-1974
2020 HUNTINGTON RD	STRATFORD	CT	06614
2016 HUNTINGTON RD	STRATFORD	CT	06614
3548 MAIN ST	STRATFORD	CT	06614
1996 HUNTINGTON RD	STRATFORD	CT	06614
1950 HUNTINGTON RD	STRATFORD	CT	06614-1949
1975 HUNTINGTON RD	STRATFORD	CT	6614

ATTACHMENT F

(Domestic)	(STRATFORD, CT 06614)	(Weight: 0 LB 1.40 oz)	(Estimated Delivery Date)	(Friday 02/16/2018)	Certified	1	\$3.45	Return	(\$00USPS Certified Mail #)	(701627100004515162)	(\$00USPS Return Receipt #)	(9590940221866193945112)	First-Class	1	\$0.71	Mail	Letter			
(Domestic)	(STRATFORD, CT 06614)	(Weight: 0 LB 1.40 oz)	(Estimated Delivery Date)	(Friday 02/16/2018)	Certified	1	\$3.45	Return	(\$00USPS Certified Mail #)	(701627100004515162)	(\$00USPS Return Receipt #)	(9590940221866193945105)	First-Class	1	\$0.71	Mail	Letter			
(Domestic)	(STRATFORD, CT 06614)	(Weight: 0 LB 1.40 oz)	(Estimated Delivery Date)	(Friday 02/16/2018)	Certified	1	\$3.45	Return	(\$00USPS Certified Mail #)	(701627100004515162)	(\$00USPS Return Receipt #)	(9590940221866193945105)	First-Class	1	\$0.71	Mail	Letter			
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(Domestic)	(STRATFORD, CT 06614)	(Weight: 0 LB 1.40 oz)	(Estimated Delivery Date)	(Friday 02/16/2018)	Certified	1	\$3.45	Return	(\$00USPS Certified Mail #)	(7016271000045151686)	(\$00USPS Return Receipt #)	(9590940221866193945082)	First-Class	1	\$2.75	Return	(\$00USPS Return Receipt #)	(9590940221866193945082)	(\$00USPS Return Receipt #)	(959094022186619394570)
					Total		\$74.96	Credit Card Remittd	(Card Name: VISA)	(Account #: XXXXXXXXX7500)	(Approval #: 09740G)	(Transaction #: 570)								

ATTACHMENT G

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BLOOMFIELD
40 JEROME AVE
BLOOMFIELD
CT
06002-9998
0804760102
02/15/2018 (800)275-8777 3:46 PM
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Product Sale Final
Description Qty Price
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PM 1-Day 1 \$6.70

Flat Rate Env
(Domestic)
(BLOOMFIELD, CT 06002)
(Flat Rate)
(Expected Delivery Date)
(Friday 02/16/2018)
(USPS Tracking #)
(9505 5121 6052 8046 0747 69)

Insurance 1 \$0.00
(Up to \$50.00 included)

PM 1-Day 1 \$6.70

Flat Rate Env
(Domestic)
(HARTFORD, CT 06103)
(Flat Rate)
(Expected Delivery Date)
(Friday 02/16/2018)
(USPS Tracking #)
(9505 5121 6052 8046 0747 76)

Insurance 1 \$0.00
(Up to \$50.00 included)

PM 2-Day 1 \$6.70

Flat Rate Env
(Domestic)
(STRATFORD, CT 06615)
(Flat Rate)
(Expected Delivery Date)
(Saturday 02/17/2018)
(USPS Tracking #)
(9505 5121 6052 8046 0747 83)

Insurance 1 \$0.00
(Up to \$50.00 included)

PM 2-Day 1 \$6.70

Flat Rate Env
(Domestic)
(STRATFORD, CT 06615)
(Flat Rate)
(Expected Delivery Date)
(Saturday 02/17/2018)
(USPS Tracking #)
(9505 5121 6052 8046 0747 90)

Insurance 1 \$0.00
(Up to \$50.00 included)

Total \$26.80

Credit Card Remitd \$26.80
(Card Name:VISA)
(Account #:(XXXXXX)XXXX7500)
(Approval #:09200G)
(Transaction #:129)