

May 18, 2015

Attorney Melanie Bachman
Acting Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

EM-T-Mobile-011-140826
T-Mobile Site ID: CT11000A
100 Filley Street, Bloomfield, CT
Notice of Construction Complete

Dear Attorney Bachman,

T-Mobile Northeast LLC ("T-Mobile") has retained EBI Consulting LLC to notify the Connecticut Siting Council ("Council") that the conditions of the Exempt Modification approvals have been met and constructed in accordance with the documents that were provided at the time of filing.

The Council approved the above referenced T-Mobile notice of Exempt Modification on September 16, 2014, and imposed the following conditions:

- Within 45 days following completion of the equipment installation, T-Mobile shall provide documentation that its installation complied with the recommendations of the Structural Analysis Report
- Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed

The attached As-Built drawings provide evidence of compliance with the conditions outlined by the Council.

In addition, T-Mobile hereby notifies the Council that construction of the acknowledged modification was completed as of December 17, 2014.

Sincerely,



Jamie Ford
Project Manager
EBI Consulting, LLC on behalf of T-Mobile
21 B Street
Burlington, MA 01803



21 B Street
Burlington, MA 01803
Tel: (781) 273-2500
Fax: (781) 273-3311
www.ebiconsulting.com

Drew Nelli
Northeast Towers
As Built
12/24/2014

T-Mobile Northeast, LLC

CT11000A

BLOOMFIELD/ W DUDLEY_1

100 FILLEY STREET
BLOOMFIELD, CT. 06002

MODIFICATIONS TO AN EXISTING WIRELESS TELECOMMUNICATIONS FACILITY

CONFIGURATION

704BU

APPLICANT:

T-Mobile Northeast, LLC

35 GRIFFIN ROAD SOUTH
BLOOMFIELD, CT 06002
860.692.7100

PREPARED BY:



21 B Street | Burlington, MA 01803
Tel: (781) 273-2500 | Fax: (781) 273-3311
www.ebiconsulting.com



GENERAL NOTES

- THE CONTRACTOR SHALL GIVE ALL NOTICES & COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS & LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL & UTILITY COMPANY SPECIFICATIONS, & LOCAL & STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT & THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, & ORDINANCES.
- THE ARCHITECT/ENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION & CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS & OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT & IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
- THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE PROJECT OWNER'S REPRESENTATIVE OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
- THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR & ALL OTHER MATERIALS & LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
- THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS & TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL OBTAIN AUTHORIZATION FROM THE PROJECT OWNER'S REPRESENTATIVE TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS / CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT & MATERIALS ACCORDING TO THE MANUFACTURER'S / VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
- THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS & ADDENDUMS OR CLARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
- THE CONTRACTOR SHALL SUPERVISE & DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES & PROCEDURES & FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY CONSTRUCTION CONTROL SURVEYS, ESTABLISHING & MAINTAINING ALL LINES & GRADES REQUIRED TO CONSTRUCT ALL IMPROVEMENTS AS SHOWN HEREIN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS & INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.
- THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
- THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN & HAZARD FREE DURING CONSTRUCTION & DISPOSE OF ALL DIRT, DEBRIS, RUBBISH & REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION & FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
- THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
- THE CONTRACTOR SHALL NOTIFY THE PROJECT OWNER'S REPRESENTATIVE WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE LESSEE/LICENSEE REPRESENTATIVE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.
- ALL UNDERGROUND UTILITY INFORMATION WAS DETERMINED FROM SURFACE INVESTIGATIONS & EXISTING PLANS OF RECORD. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY SITE WORK. CALL THE FOLLOWING FOR ALL PRE-CONSTRUCTION NOTIFICATION 72-HOURS PRIOR TO ANY EXCAVATION ACTIVITY.
- PER FCC MANDATE, ENHANCED EMERGENCY (E911) SERVICE IS REQUIRED TO MEET NATIONWIDE STANDARDS FOR WIRELESS COMMUNICATIONS SYSTEMS. PROJECT OWNER IMPLEMENTATION REQUIRES DEPLOYMENT OF EQUIPMENT & ANTENNAS GENERALLY DEPICTED ON THIS PLAN, ATTACHED TO OR MOUNTED IN CLOSE PROXIMITY TO THE BTS RADIO CABINET. THE PROJECT OWNER RESERVES THE RIGHT TO MAKE REASONABLE MODIFICATIONS TO E911 EQUIPMENT & LOCATION A TECHNOLOGY EVOLVES TO MEET REQUIRED SPECIFICATIONS.



Know what's below.
Call before you dig.
(800) 922-4455 or 811
www.CBYD.COM

72 HOURS PRIOR TO DIGGING, CONTRACTOR TO NOTIFY ALL UTILITY COMPANIES TO LOCATE ALL UNDERGROUND UTILITIES.

VICINITY MAP



SCOPE OF WORK

T-MOBILE PROPOSES THE MODIFICATION OF AN EXISTING UNMANNED WIRELESS TELECOMMUNICATIONS FACILITY:

- REPLACE (3) EXISTING 4' ANTENNAS WITH (3) 8' ANTENNAS AND MOVE TO CENTER OF FRAME. (1 PER SECTOR).
- ADD (3) SMART BIAS T'S.
- INSTALL (3) RRU'S AT GRUOND (1 PER SECTOR).
- REUSE EXISTING EQUIPMENT AT GRADE.
- ADD (6) 1-1/4" COAX CABLES

PROJECT INFORMATION

SITE NAME: BLOOMFIELD/ W DUDLEY_1
SITE NUMBER: CT11000A
SITE ADDRESS: 100 FILLEY STREET
BLOOMFIELD, CT. 06002
COORDINATES: LATITUDE: 41° 51' 06.44" N (NAD 83)
LONGITUDE: 72° 42' 54.69" W (NAD 83)
PROPERTY OWNER: T-MOBILE COMMUNICATIONS, INC.
35 GRIFFIN ROAD SOUTH
BLOOMFIELD, CT. 06002
PARCEL ID: BLOO-000300-202710
CURRENT ZONING: I-2

SHEET INDEX

SHEET	DESCRIPTION
T-1	TITLE SHEET
A-1	COMPOUND PLAN
A-2	TOWER ELEVATION AND ANTENNA ORIENTATIONS
A-3	EQUIPMENT SPECS. & DETAILS
E-1	GROUNDING SCHEMATIC, DETAILS AND NOTES

PROJECT TEAM

APPLICANT: T-MOBILE NORTHEAST, LLC.
35 GRIFFIN ROAD SOUTH
BLOOMFIELD, CT 06002
(860) 692-7100

ARCHITECT & ENGINEER: EBI CONSULTING
21 B STREET
BURLINGTON, MA 01803
(781) 273-2500

SITE ACQUISITION: EBI CONSULTING
21 B STREET
BURLINGTON, MA 01803
(781) 273-2500

CODE COMPLIANCE

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

- 2005 CONNECTICUT BUILDING CODE WITH 2009 AND 2011 AMENDMENTS.
- 2005 NATIONAL ELECTRICAL CODE.
- UNIFORM MECHANICAL CODE, UNIFORM PLUMBING CODE, LOCAL BUILDING CODE.
- CITY AND/OR COUNTY ORDINANCES.

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SUBMITTALS

NO.	DATE	DESCRIPTION	BY
A	08/20/14	90% CONSTRUCTION	SH
O	09/17/14	100% FINAL	JM
1	10/17/14	ANTENNA UPDATE	SS

EBI JOB NO:

81140786

SITE INFO:

CT11000A
BLOOMFIELD/ W
DUDLEY_1
100 FILLEY STREET
BLOOMFIELD, CT. 06002

SHEET TITLE:

TITLE SHEET

DRAWN BY:

SH

CHECKED BY:

PM

DATE:

08/20/14

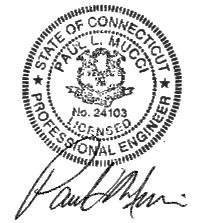
SHEET NO:

T-1

APPLICANT:
T-Mobile Northeast, LLC
 35 GRIFFIN ROAD SOUTH
 BLOOMFIELD, CT 06002
 860.692.7100

PREPARED BY:

 environmental | engineering | due diligence
 21 B Street | Burlington, MA 01803
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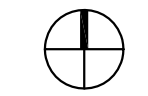
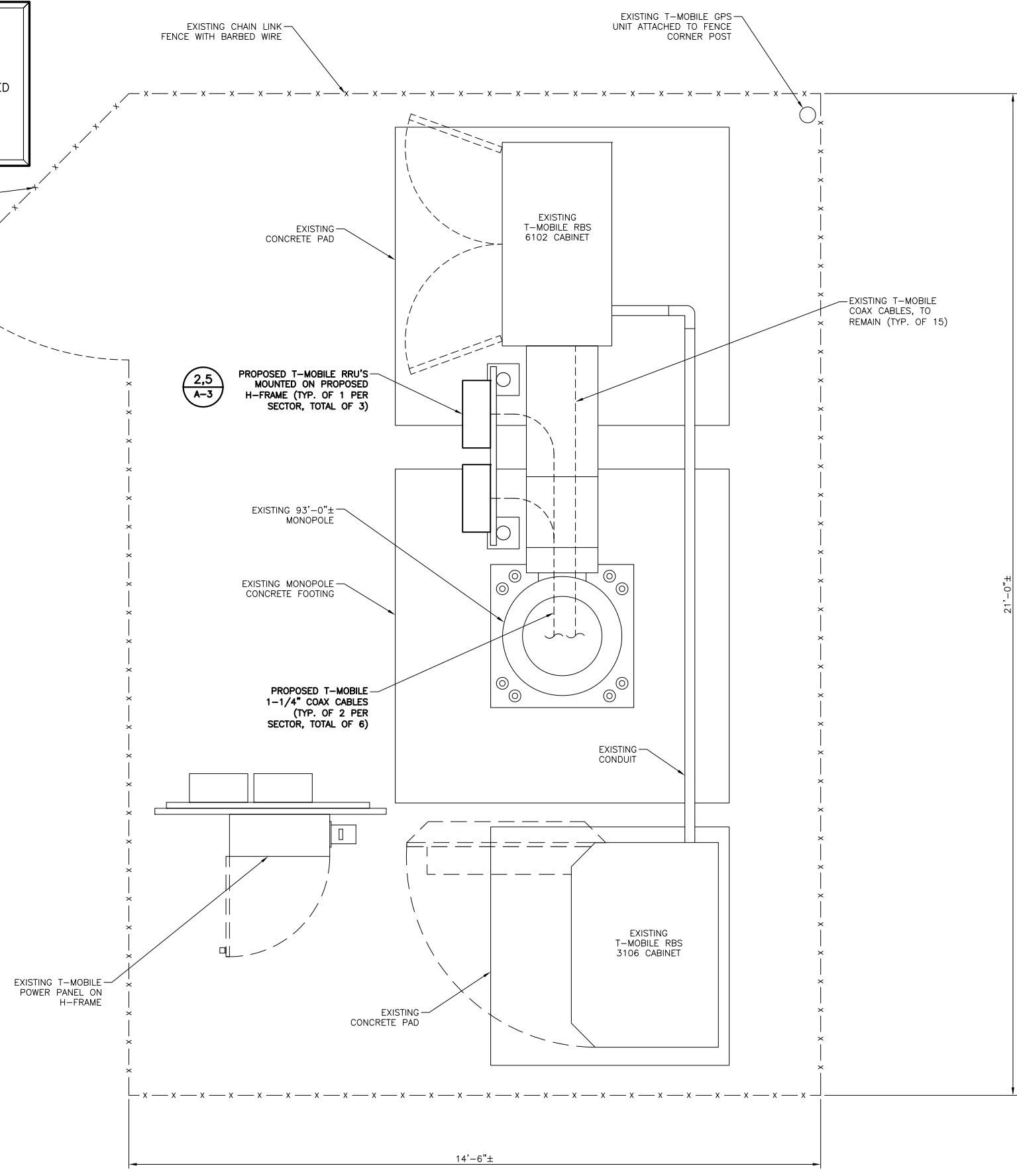
SITE INFO:
**CT11000A
 BLOOMFIELD/ W
 DUDLEY_1
 100 FILLEY STREET
 BLOOMFIELD, CT. 06002**

SHEET TITLE:
COMPOUND PLAN

DRAWN BY: SH
 CHECKED BY: PM
 DATE: 08/20/14
 SHEET NO:
A-1

NOTES:
 1. REFER TO THE FINAL T-MOBILE RF DATA SHEET FOR FINAL ANTENNA SETTINGS.
 2. ALL PROPOSED EQUIPMENT TO BE INSTALLED IN ACCORDANCE WITH CORRESPONDING STRUCTURAL ANALYSIS, EQUIPMENT MANUFACTURER'S RECOMMENDATIONS AND FINAL T-MOBILE RF DATA SHEET.

**Drew Nelli
 Northeast Towers
 As Built
 12/24/2014**

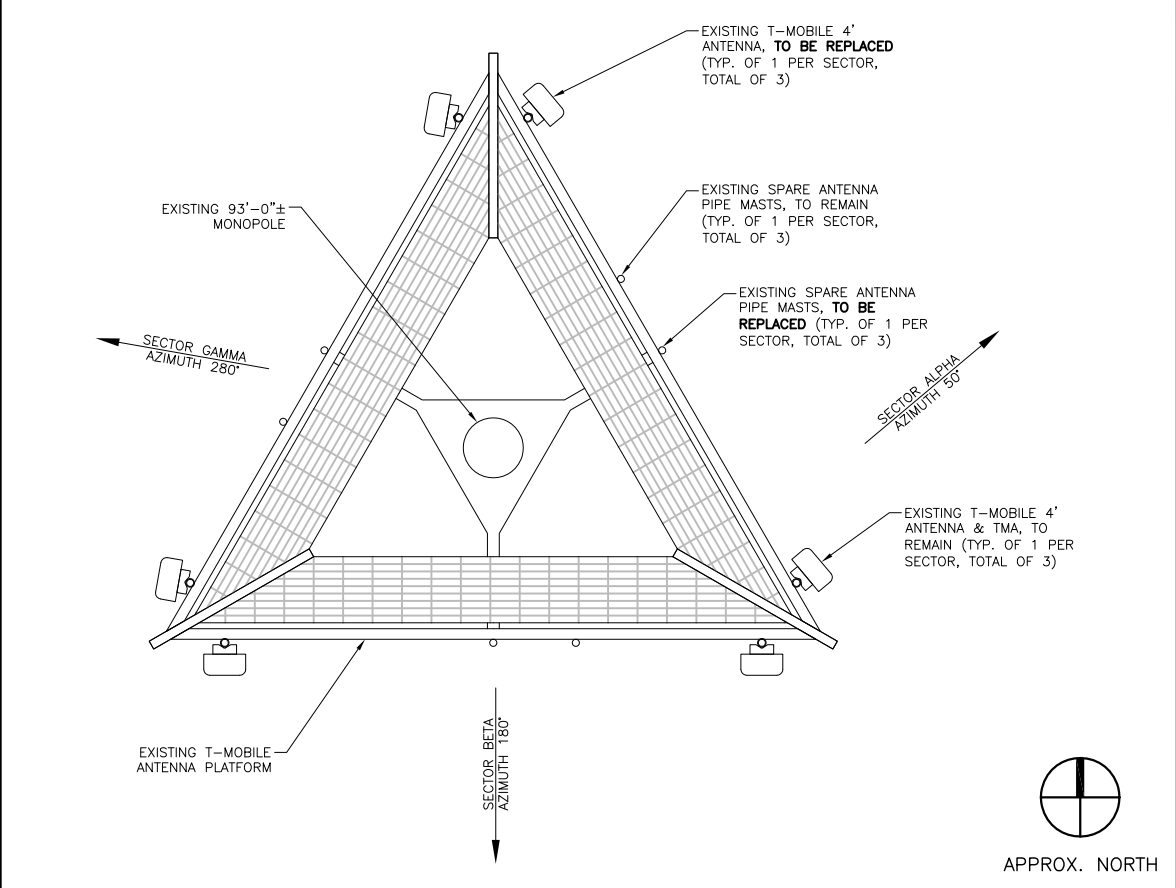
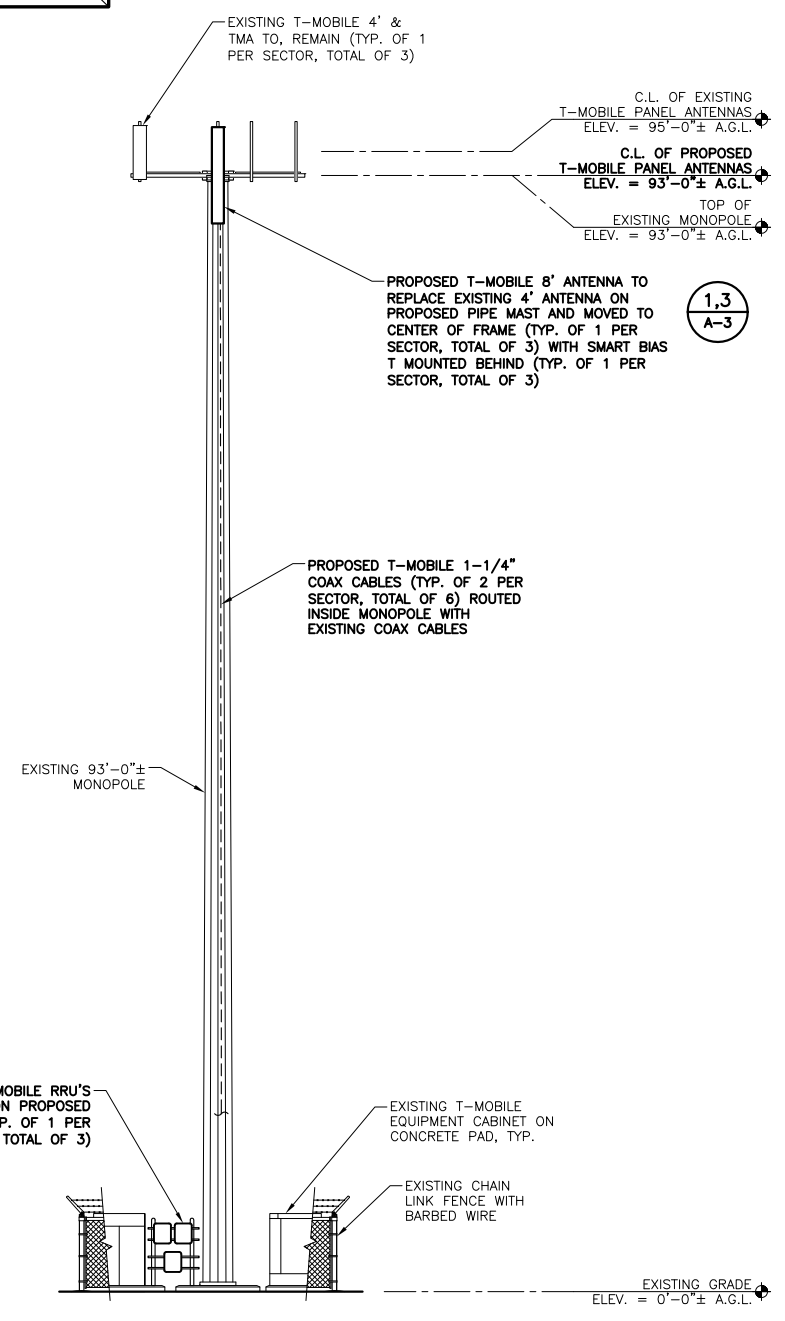


APPROX. NORTH

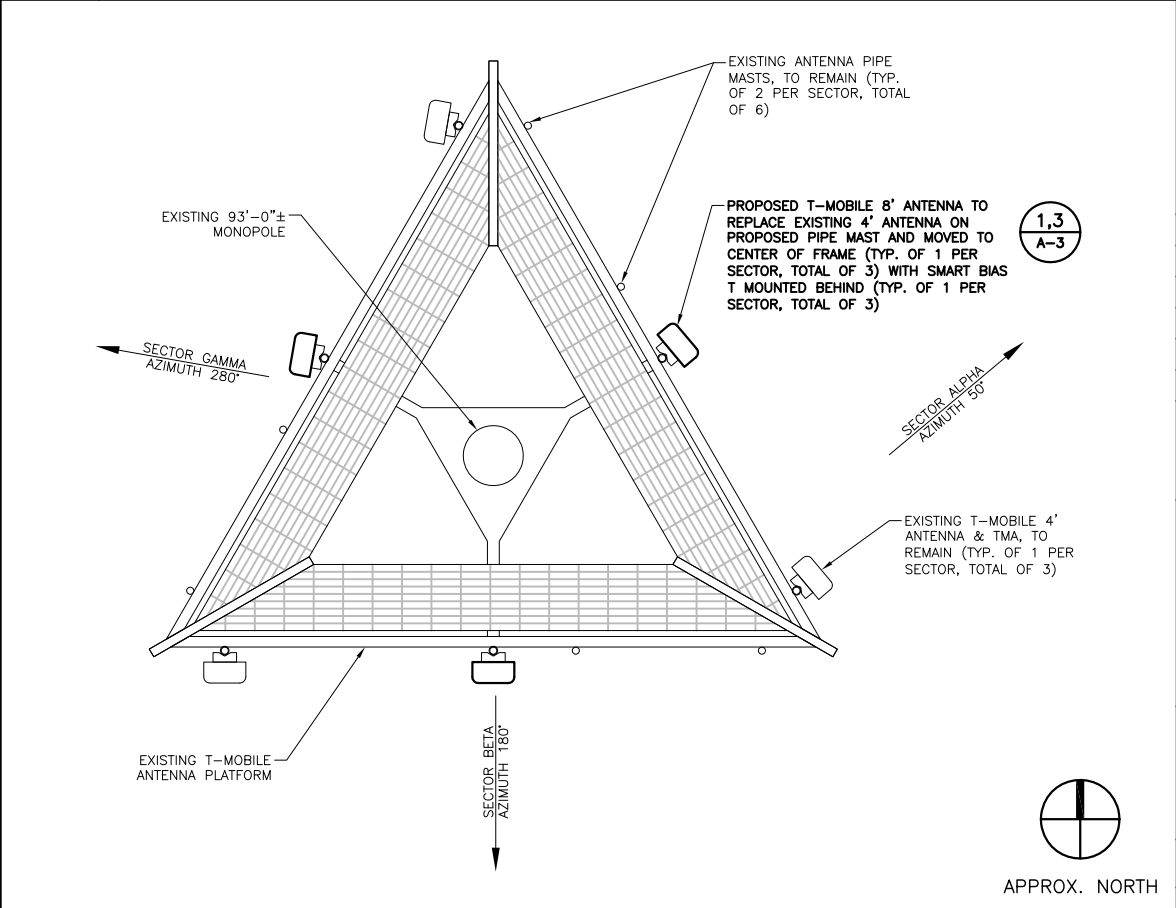
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Northeast Towers
As Built
12/24/2014



2 EXISTING ANTENNA ORIENTATION **11x17 SCALE: 3/16" = 1'-0"**
22x34 SCALE: 3/8" = 1'-0"

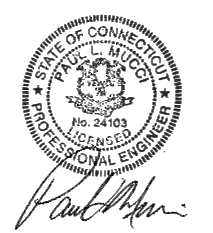


3 PROPOSED ANTENNA ORIENTATION **11x17 SCALE: 3/16" = 1'-0"**
22x34 SCALE: 3/8" = 1'-0"

1 TOWER ELEVATION **11x17 SCALE: 1/16" = 1'-0"**
22x34 SCALE: 1/8" = 1'-0"

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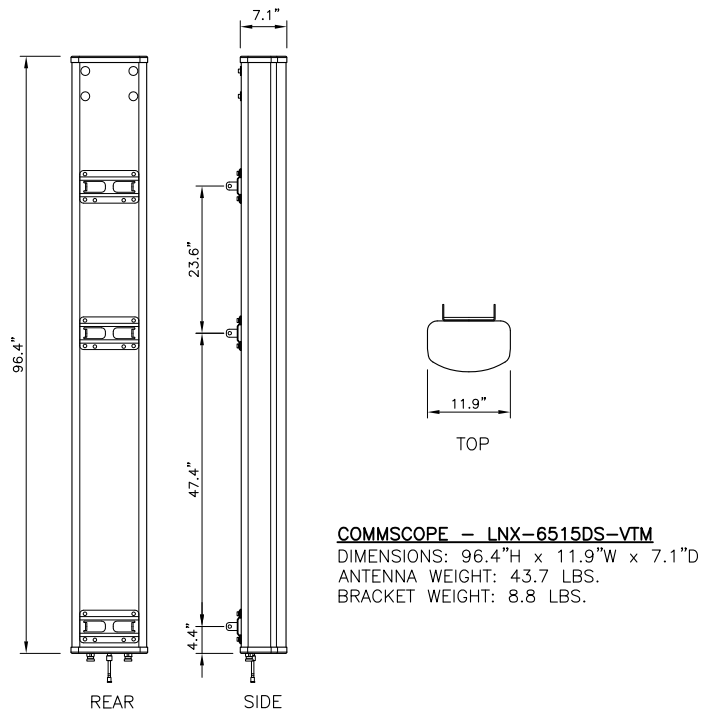
EBC JOB NO:
81140786

SITE INFO:
CT11000A
BLOOMFIELD/ W
DUDLEY_1
100 FILLEY STREET
BLOOMFIELD, CT. 06002

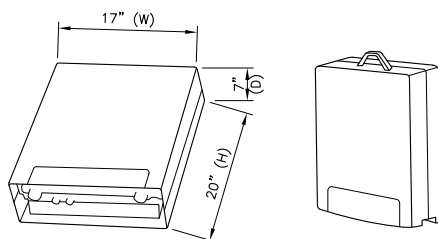
SHEET TITLE:
TOWER ELEVATION AND
ANTENNA ORIENTATIONS

DRAWN BY: SH
 CHECKED BY: PM
 DATE: 08/20/14

SHEET NO:
A-2



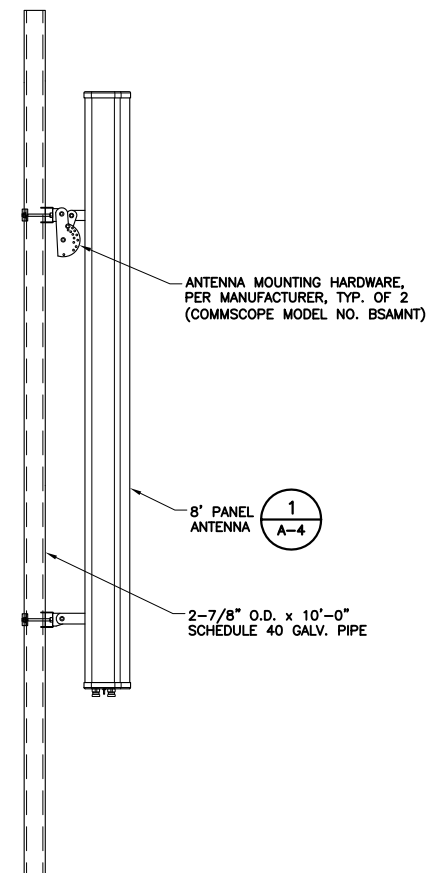
COMMSCOPE - LNX-6515DS-VTM
 DIMENSIONS: 96.4"H x 11.9"W x 7.1"D
 ANTENNA WEIGHT: 43.7 LBS.
 BRACKET WEIGHT: 8.8 LBS.



ERICSSON RRU11 B12
 -DIMENSIONS (H x W x D): 20" x 17" x 7"
 (INCLUDES SOLARSHIELD AND HANDLE)
 -WEIGHT: 50.7 LBS

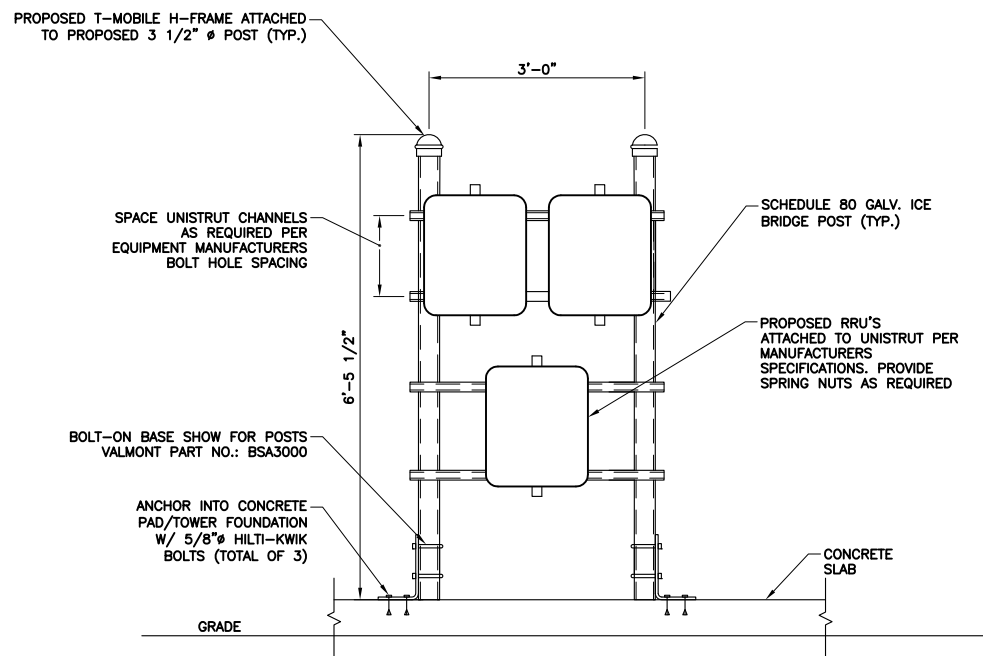
NOTE:
 RRU CAN ONLY BE PAINTED ON SOLAR SHIELD.

Drew Nelli
 Northeast Towers
 As Built
 12/24/2014



ANTENNA INSTALLATION NOTES:

1. REPLACE EXISTING PIPE MASTS AT NEW ANTENNA LOCATIONS WITH NEW 2-7/8" O.D. (MIN.) x 10'-0" (MAX.) GALVANIZED SCHEDULE 40 PIPE.
2. NEW 1/2" DIAMETER GALVANIZED U-BOLTS SHALL BE INSTALLED FOR SUPPORTING REPLACED MAST PIPES. ENLARGED HOLES, IF REQUIRED. ENLARGED HOLES, IF REQUIRED FOR FIT-UP, SHALL BE PREPARED USING A REAMING TOOL, AND SHALL BE COATED WITH A ZINC RICH COLD GALVANIZING COMPOUND IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS PRIOR TO THE INSTALLATION OF CONNECTING HARDWARE. USS OVERSIZE FLAT WASHERS SHALL BE INSTALLED UNDER NUTS AT CONNECTIONS WITH REAMED HOLES, OTHERWISE STANDARD SEA FLAT WASHERS SHALL BE INSTALLED.



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3 TYP. ANTENNA ATTACHMENT DETAIL N.T.S.

EBI JOB NO:
81140786
 SITE INFO:
CT11000A
BLOOMFIELD/ W
DUDLEY_1
 100 FILLEY STREET
 BLOOMFIELD, CT. 06002

SHEET TITLE:
EQUIPMENT SPECS. & DETAILS

DRAWN BY: SH
 CHECKED BY: PM
 DATE: 08/20/14
 SHEET NO:
A-3

1 ANTENNA SPECIFICATION N.T.S.

2 RRU SPECIFICATION N.T.S.

5 SPACE NOT USED N.T.S.

6 SPACE NOT USED N.T.S.

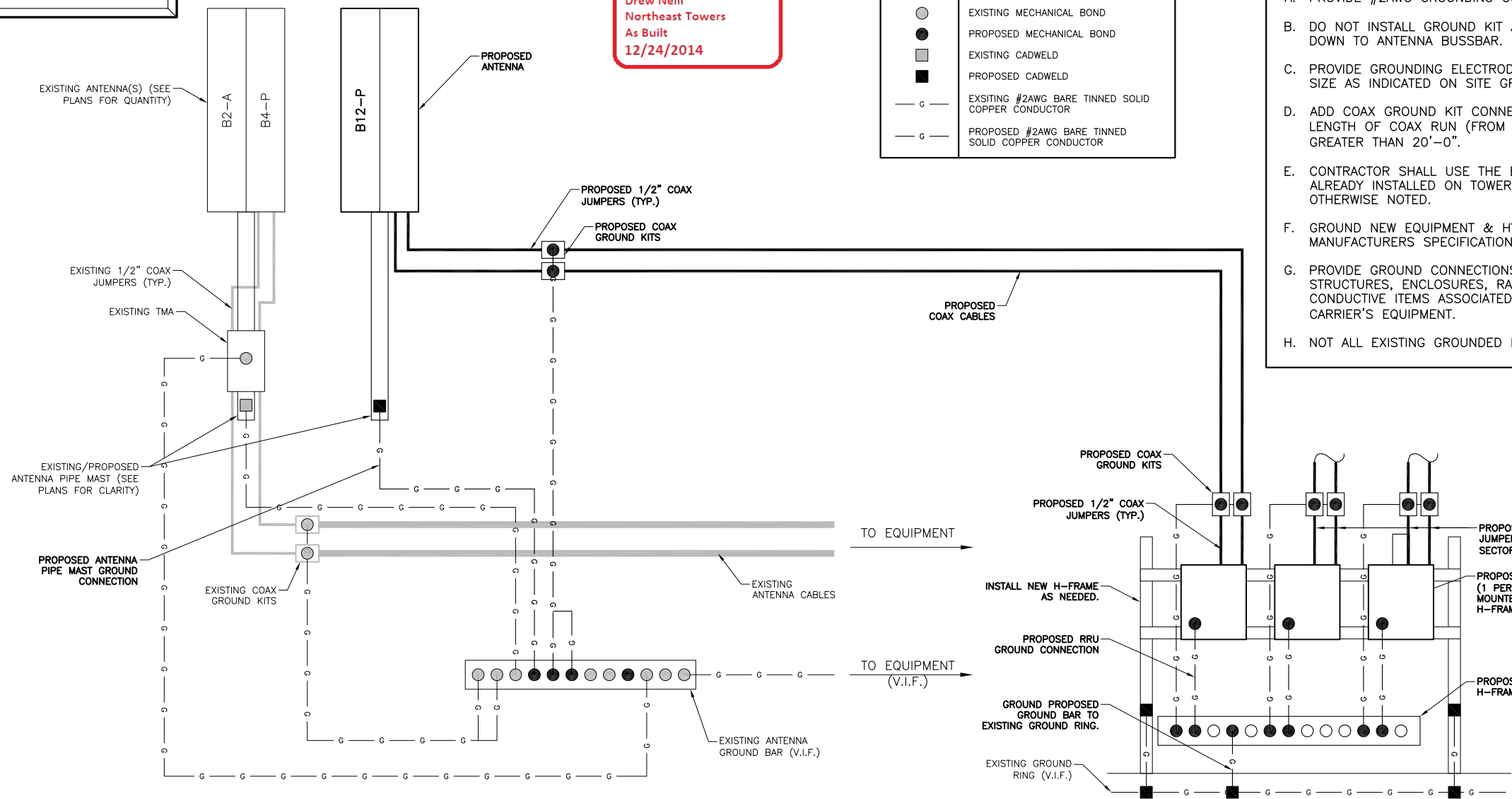
CONTRACTOR TO VERIFY EXISTING GROUNDING SYSTEM IS INTACT. REPLACE ANY MISSING GROUNDING.

**GROUNDING SCHEMATIC
TYPICAL AT ALL 3 SECTORS**

Drew Nelli
Northeast Towers
As Built
12/24/2014

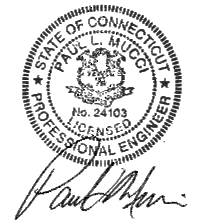
LEGEND	
○	EXISTING MECHANICAL BOND
●	PROPOSED MECHANICAL BOND
□	EXISTING CADWELD
■	PROPOSED CADWELD
— G —	EXISTING #2AWG BARE TINNED SOLID COPPER CONDUCTOR
— G —	PROPOSED #2AWG BARE TINNED SOLID COPPER CONDUCTOR

- GROUNDING NOTES:**
- A. PROVIDE #2AWG GROUNDING CONDUCTOR, U.O.N.
 - B. DO NOT INSTALL GROUND KIT AT BEND. DIRECT GROUND WIRE DOWN TO ANTENNA BUSSBAR.
 - C. PROVIDE GROUNDING ELECTRODES IN QUANTITY, TYPE AND SIZE AS INDICATED ON SITE GROUNDING PLAN.
 - D. ADD COAX GROUND KIT CONNECTION TO BUSSBAR WHEN LENGTH OF COAX RUN (FROM EQUIPMENT TO ANTENNA) IS GREATER THAN 20'-0".
 - E. CONTRACTOR SHALL USE THE EXISTING GROUND BARS ALREADY INSTALLED ON TOWER & EQUIPMENT UNLESS OTHERWISE NOTED.
 - F. GROUND NEW EQUIPMENT & HYBRID CABLES PER MANUFACTURERS SPECIFICATIONS
 - G. PROVIDE GROUND CONNECTIONS FOR ALL METALLIC STRUCTURES, ENCLOSURES, RACEWAYS AND OTHER CONDUCTIVE ITEMS ASSOCIATED WITH THE INSTALLATION OF CARRIER'S EQUIPMENT.
 - H. NOT ALL EXISTING GROUNDED ELEMENTS SHOWN FOR CLARITY.



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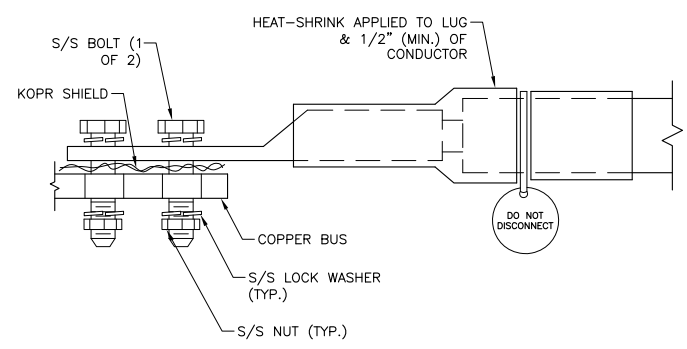
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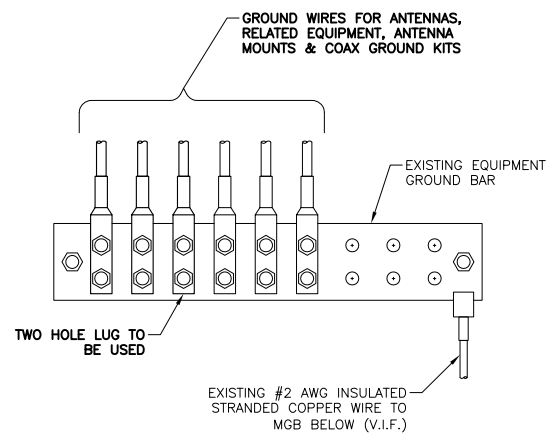
1 GROUNDING SCHEMATIC

N.T.S.

- NOTES:**
- ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING BELLEVILLES. COAT ALL SURFACES WITH KOPR-SHEILD BEFORE MATING.
 - FOR GROUND, BOND TO STEEL ONLY: INSERT A LOCK WASHER BETWEEN LUG & STEEL. COAT ALL SURFACES WITH KOPR-SHEILD.
 - ALL HARDWARE TO BE 3/8" DIAMETER.



2 GROUND LUG DETAIL



3 ANTENNA GROUND BAR (AGB) DETAIL

4 SPACE NOT USED

EBC JOB NO:
81140786

SITE INFO:
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BLOOMFIELD/ W
DUDLEY_1
100 FILLEY STREET
BLOOMFIELD, CT. 06002**

SHEET TITLE:
**GROUNDING SCHEMATIC,
DETAILS AND NOTES**

DRAWN BY:
SH

CHECKED BY:
PM

DATE:
08/20/14

SHEET NO:
E-1