



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

VIA ELECTRONIC MAIL

June 25, 2018

Elizabeth Jamieson
Transcend Wireless
10 Industrial Avenue, Suite 3
Mahwah, New Jersey 07430

RE: **EM-T-MOBILE-015-180620** - T-Mobile Northeast LLC notice of intent to modify an existing telecommunications facility located at 623 Pine Street, Bridgeport, Connecticut.

Dear Ms. Jamieson:

The Connecticut Siting Council (Council) is in receipt of your email correspondence of June 25, 2018 submitted in response to the Council's June 22, 2018 notification of an incomplete request for exempt modification with regard to the above-referenced matter.

The submission renders the request for exempt modification complete and the Council will process the request in accordance with the Federal Communications Commission 60-day timeframe.

Thank you for your attention and cooperation.

Sincerely,

Melanie A. Bachman
Executive Director

MAB/FOC/IN/jmb



From: ejamieson@transcendwireless.com [mailto:ejamieson@transcendwireless.com]
Sent: Monday, June 25, 2018 2:02 PM
To: Barton, Jenna <Jenna.Barton@ct.gov>
Subject: FW: Council Incomplete Letter for EM-T-MOBILE-015-180620-PineSt-Bridgeport

Hi Jenn

As requested, attached is the updated set of drawings reflecting the May 25th Structural Analysis reference.

Please advise if you need new hard copies and/or how many, or anything else you need from me in order to proceed.

Thank you very much

Elizabeth



BRIDGEPORT

623 PINE STREET
BRIDGEPORT, CT 06605
SITE ID: CT11014B

CLIENT:



10 INDUSTRIAL AVE
MAHWAH, NJ 07430
TEL: (201) 684-0055
FAX: (201) 684-0066

KM Consulting Engineers, Inc.
Wireless Engineering and Project Management
262 UPPER FERRY RD.
EWING, NEW JERSEY 08628
PHONE: (609) 538-0400
E-MAIL: info@kmengr.com
WEB PAGE: http://www.kmengr.com
CERTIFICATION OF AUTHORIZATION: 24GA27989600

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MICHAEL L. BOHLINGER, PE
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE # 20405

REVISIONS

| NO. | DATE | DRN. | DESCRIPTION |
|-----|---------|------|-----------------------|
| 1 | 5/25/18 | DCA | PER CLIENT'S COMMENTS |

PROJECT PARTICIPANTS

SITE ACQUISITION: _____
SIGN OFF INITL. _____ DATE: _____
RF ENGINEER: _____
SIGN OFF INITL. _____ DATE: _____
CONSTR. SUPV.: _____
SIGN OFF INITL. _____ DATE: _____
A & E: _____ KM CONSULTING ENGR.'S INC.

| | | | |
|-------|--------|-------|--------|
| P.C.: | CHKD.: | DRN.: | DATE: |
| | MLB | DCA | 5/9/18 |

PROJECT NAME:
BRIDGEPORT

SITE ADDRESS:
623 PINE STREET
BRIDGEPORT, CT 06605

DRAWING TITLE:

TITLE SHEET

| | | |
|------------|------------|---------|
| SITE ID #: | DRAWING #: | REV. #: |
| CT11014B | T-1 | 1 |
| PROJECT #: | | |
| 180416.00 | | |

FILE NAME: Bridgeport (CT11014B) CDs.dwg

PROJECT DESCRIPTION

T-MOBILE IS PROPOSING TO REMOVE (1) EXISTING AIR 32 B4A/B2P ANTENNA AND RELOCATE (1) EXISTING AIR21 B2A/B4P ANTENNA FROM POSITION 2 TO POSITION 1 AT EACH SECTOR. FOR EACH SECTOR (1) EXISTING LNX-6515DS-A1M ANTENNA IS PROPOSED TO BE REMOVED AND REPLACED WITH (1) APXVAARR24 43-U-NA20, AND PROPOSED TO INSTALL (1) AIR 3245 B66 ANTENNA AT POSITION 2. (1) EXISTING RRU'S 32 B2 FROM EACH SECTOR TO BE RELOCATED FROM POSITION 1 ANTENNA TO PROPOSED POSITION 3 ANTENNA LOCATION, AND (1) EXISTING RRU'S 32 B2 FROM SECTOR 2 AND SECTOR 3 TO BE REMOVED. (1) EXISTING RRU'S 11 B12 TO BE REMOVED AND REPLACED WITH (1) RADIO 4449 B12/B71 FOR EACH SECTOR. (1) EXISTING TWIN STYLE 1B AWS TMA TO BE REMOVED AND (1) TWIN STYLE 1BX TMA TO BE INSTALLED FOR EACH SECTOR.

(12) EXISTING T-MOBILE 1-5/8" COAX LINES TO BE REMOVED FROM THE SITE.

A TOTAL OF (3) ANTENNAS TO BE RELOCATED, (6) ANTENNAS SWAPPED OUT, (5) RRU'S REMOVED, (3) RRU'S RELOCATED, (3) TMA'S REMOVED, (3) RRU'S INSTALLED AND (3) TMA'S INSTALLED.

DRAWING INDEX

| SHEET | SHEET TITLE |
|-------|--------------------------|
| T-1 | TITLE SHEET |
| S-1 | SITE PLAN |
| S-2 | TOWER ELEVATION |
| A-1 | ANTENNA PLAN AND DETAILS |
| G-1 | GROUNDING DETAILS |
| GN-1 | GENERAL NOTES |

SITE INFORMATION

| | | | |
|-------------------------|---|------------------------|---|
| PROPERTY OWNER: | RADIO COMMUNICATIONS SERVICES 24 ROCKDALE ROAD WEST HAVEN, CT 06516 | LATITUDE: | 41° 9' 56.7" N |
| APPLICANT: | T-MOBILE NORTHEAST LLC 35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 | LONGITUDE: | 73° 13' 0.0" W |
| ARCHITECT/ ENGINEER: | KM CONSULTING ENGINEERS 262 UPPER FERRY ROAD EWING, NJ 08628 | POWER COMPANY: | TBD |
| SITE ADDRESS: | 623 PINE STREET BRIDGEPORT, CT 06605 | T-MOBILE CONTACT: | (860) 648-1116 |
| COUNTY: | FAIRFIELD | EXISTING/PROPOSED USE: | UNMANNED TELECOMMUNICATIONS FACILITY |
| GROUND ELEVATION: | 11' | | |

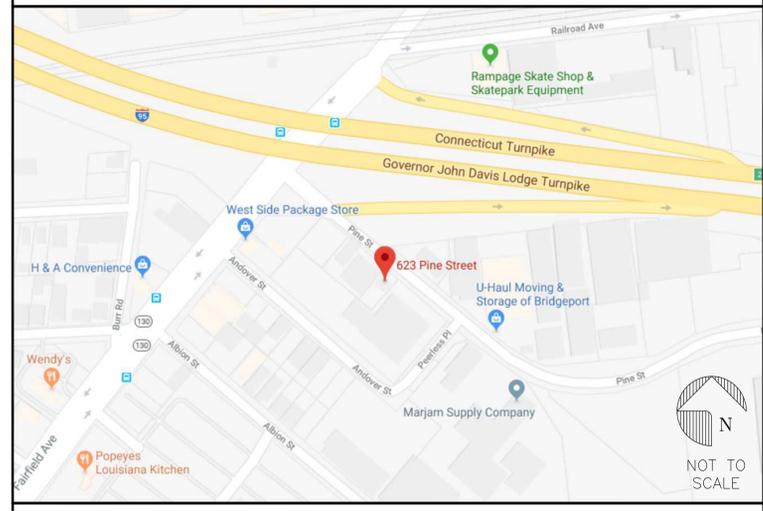
APPROVALS

LANDLORD: _____

CHAIRPERSON: _____

BOARD SECRETARY: _____

BOARD ENGINEER: _____

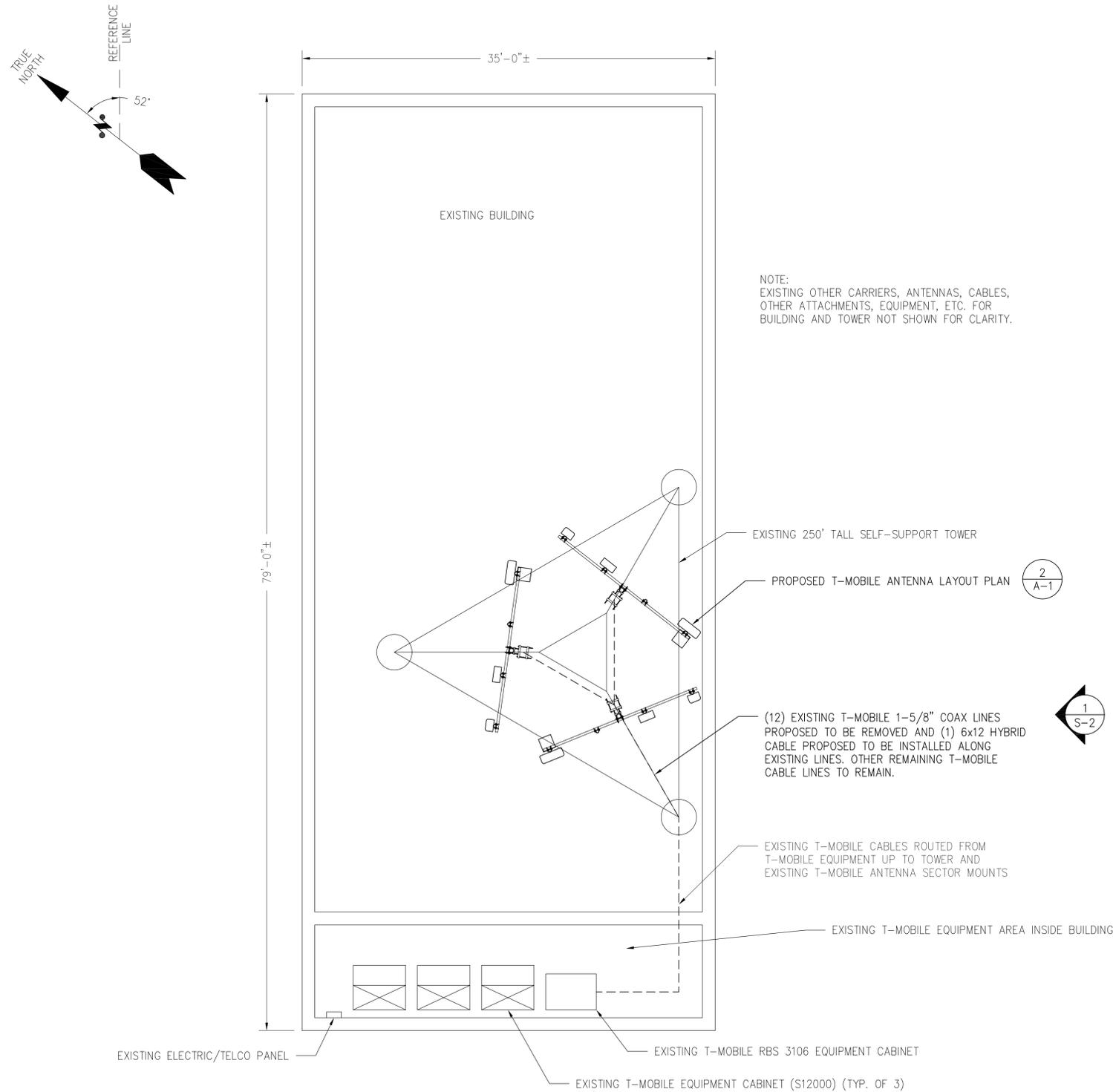


LOCATION MAP



AERIAL MAP

PINE STREET



1 SITE PLAN
S-1

SCALE: 3/16" = 1'-0"

NOTE:

GENERAL CONTRACTOR TO REFER TO THE STRUCTURAL ANALYSIS BY KM CONSULTING ENGINEERS, INC. DATED MAY 25TH, 2018 AND EQUIPMENT INSTALLATION RECOMMENDATIONS PRIOR TO COMMENCING CONSTRUCTION.

GENERAL NOTES:

LIGHTING: EXISTING FACILITY WILL MEET OR EXCEED ALL FAA AND FCC REGULATORY REQUIREMENTS.

GRADE: EXISTING GRADE WILL BE MAINTAINED FOR PROPOSED CONSTRUCTION.

SIGNAGE: EXTERIOR SIGNS ARE NOT PROPOSED EXCEPT AS REQUIRED BY THE FCC.

STORM WATER CONTROL: THE PROPOSED FACILITY WILL RESULT IN AN INSIGNIFICANT INCREASE IN STORM WATER RUNOFF. CONSEQUENTLY, NO WATER QUALITY CONTROL DEVICES ARE PROPOSED.

UTILITIES: SANITARY SEWER SERVICES AND POTABLE WATER ARE NOT APPLICABLE PER THE USE. IF APPLICABLE, SUBCONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO EXCAVATING.

DRIVEWAY: A DRIVEWAY PERMIT IS NOT REQUIRED FOR THIS PROJECT. THE PROJECT WILL NOT REQUIRE RIGHT OF WAY OR PROPERTY TO BE DEDICATED FOR PUBLIC USE.

MISC: NO NOISE, SMOKE, DUST, VAPORS OR ODOR WILL RESULT FROM THIS PROJECT.

CLIENT:

Transcend Wireless

10 INDUSTRIAL AVE
MAHWAH, NJ 07430

TEL: (201) 684-0055
FAX: (201) 684-0066

KM Consulting Engineers, Inc.
Wireless Engineering and Project Management
262 UPPER FERRY RD.
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CERTIFICATION OF AUTHORIZATION: 24GA27989600

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MICHAEL L. BOHLINGER, PE
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE # 20405

REVISIONS

| NO. | DATE | DCN | PER CLIENT'S COMMENTS |
|-----|---------|-----|-----------------------|
| 1 | 5/25/18 | DCA | PER CLIENT'S COMMENTS |

PROJECT PARTICIPANTS

SITE ACQUISITION: _____
SIGN OFF INITL. _____ DATE: _____
RF ENGINEER: _____
SIGN OFF INITL. _____ DATE: _____
CONSTR. SUPV.: _____
SIGN OFF INITL. _____ DATE: _____
A & E: _____ KM CONSULTING ENGR.'S INC.

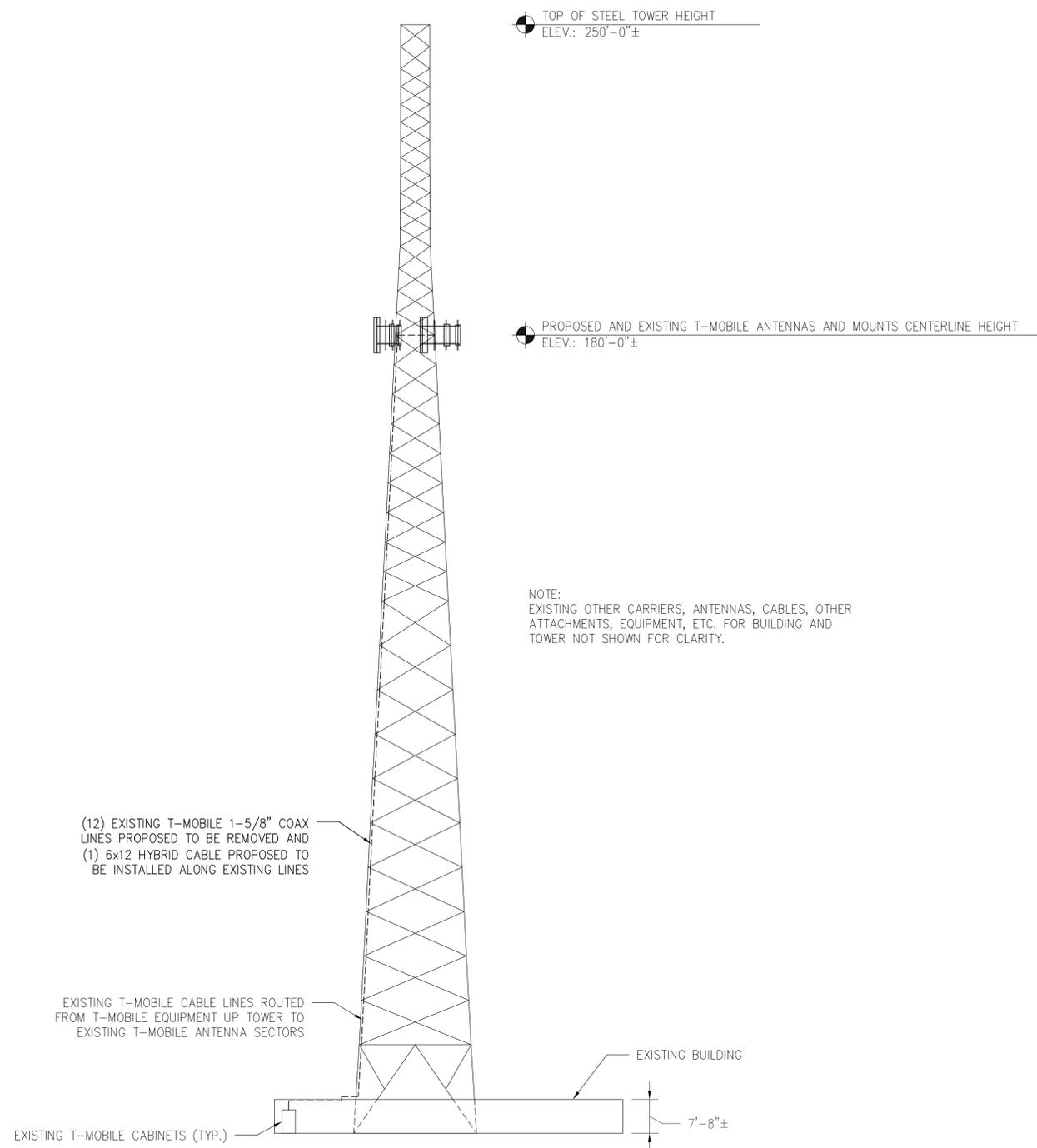
| | | | |
|-------|--------|-------|--------|
| P.C.: | CHKD.: | DRN.: | DATE: |
| | MLB | DCA | 5/9/18 |

PROJECT NAME:
BRIDGEPORT
SITE ADDRESS:
623 PINE STREET
BRIDGEPORT, CT 06605

DRAWING TITLE:
SITE PLAN

| | | |
|------------|-------------------------------|---------|
| SITE ID #: | DRAWING #: | REV. #: |
| CT11014B | S-1 | 1 |
| PROJECT #: | | |
| 180416.00 | | |
| FILE NAME: | Bridgeport (CT11014B) CDs.dwg | |

NOTE:
 GENERAL CONTRACTOR TO REFER TO THE STRUCTURAL ANALYSIS BY KM CONSULTING ENGINEERS, INC. DATED MAY 25TH, 2018 AND EQUIPMENT INSTALLATION RECOMMENDATIONS PRIOR TO COMMENCING CONSTRUCTION.



NOTE:
 EXISTING OTHER CARRIERS, ANTENNAS, CABLES, OTHER ATTACHMENTS, EQUIPMENT, ETC. FOR BUILDING AND TOWER NOT SHOWN FOR CLARITY.

1 TOWER ELEVATION
 S-2 SCALE: 1/16" = 1'-0"

CLIENT:



10 INDUSTRIAL AVE
 MAHWAH, NJ 07430 TEL: (201) 684-0055
 FAX: (201) 684-0066

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| 1 | 5/25/18 | DCA | PER CLIENT'S COMMENTS |

PROJECT PARTICIPANTS

SITE ACQUISITION: _____
 SIGN OFF INITL. _____ DATE: _____

RF ENGINEER: _____
 SIGN OFF INITL. _____ DATE: _____

CONSTR. SUPV.: _____
 SIGN OFF INITL. _____ DATE: _____

A & E: _____ KM CONSULTING ENGR.'S INC.

| | | | |
|-------|--------|-------|--------|
| P.C.: | CHKD.: | DRN.: | DATE: |
| | MLB | DCA | 5/9/18 |

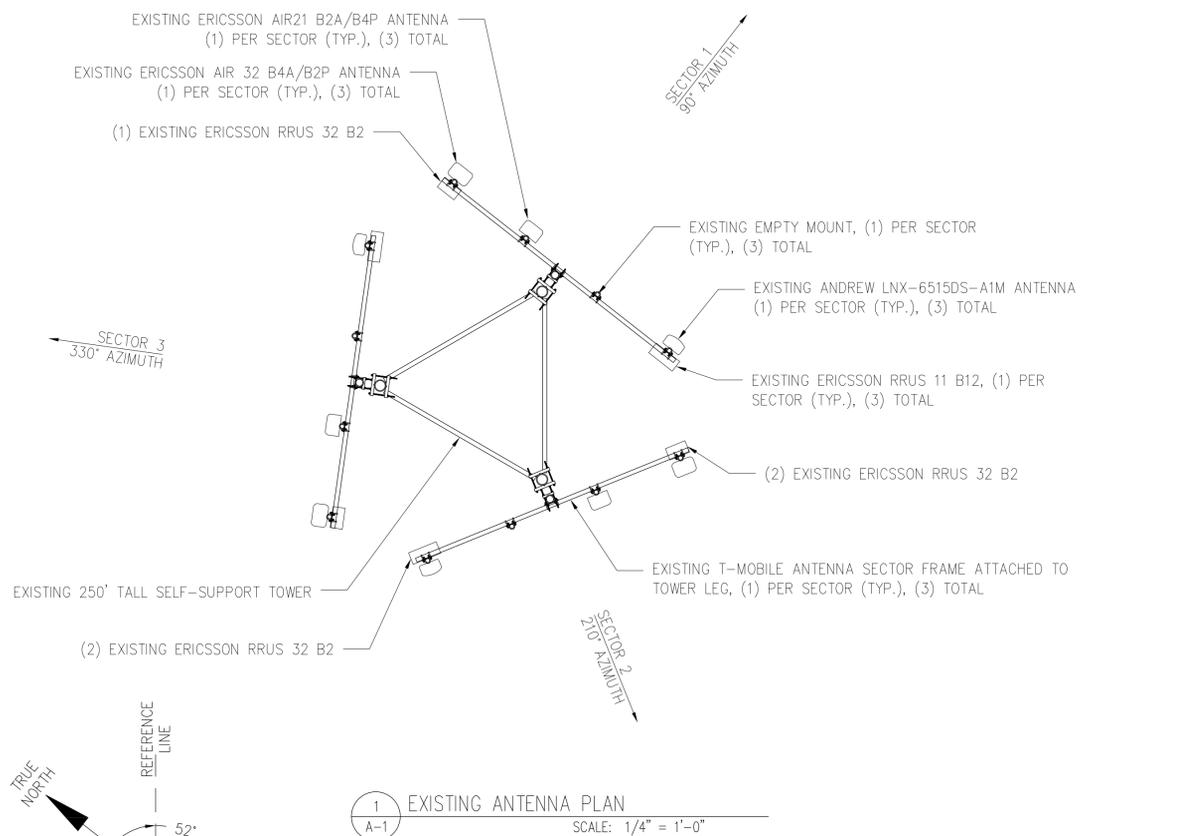
PROJECT NAME:
 BRIDGEPORT

SITE ADDRESS:
 623 PINE STREET
 BRIDGEPORT, CT 06605

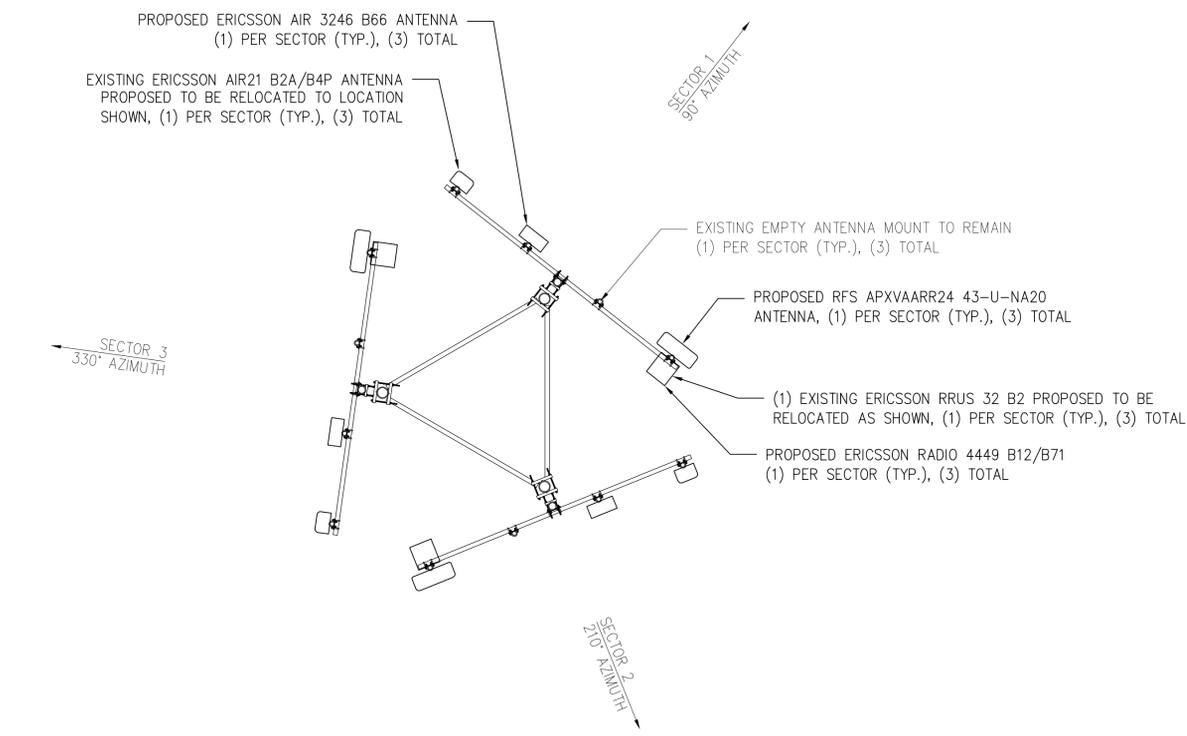
DRAWING TITLE:
 TOWER ELEVATION

| | | |
|-------------------------|-------------------|--------------|
| SITE ID #: CT11014B | DRAWING #: S-2 | REV. #: 1 |
| PROJECT #: 180416.00 | | |

FILE NAME: Bridgeport (CT11014B) CDs.dwg



1 EXISTING ANTENNA PLAN
SCALE: 1/4" = 1'-0"



2 PROPOSED ANTENNA PLAN
SCALE: 1/4" = 1'-0"

NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA CONFIGURATION

NOTE:
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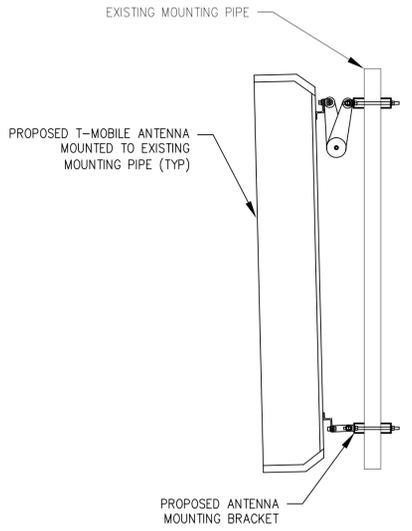
EXISTING ANTENNA SCHEDULE

| SECTOR | POSITION | MANUFACTURER | MODEL | TMA/RRH | SIZE (HxWxD) |
|--------|----------|--------------|----------------|-----------------------|------------------|
| 1 | 1 | ERICSSON | AIR 32 B4A/B2P | RRUS 32 B2 | 56.6"x12.9"x8.7" |
| | 2 | ERICSSON | AIR21 B2A/B4P | TWIN STYLE 1B AWS TMA | 55"x12"x7.9" |
| | 3 | EMPTY MOUNT | | | |
| | 4 | ANDREW | LNX-6515DS-A1M | RRUS 11 B12 | 107"x15.4"x11.6" |
| 2 | 1 | ERICSSON | AIR 32 B4A/B2P | (2) RRUS 32 B2 | 56.6"x12.9"x8.7" |
| | 2 | ERICSSON | AIR21 B2A/B4P | TWIN STYLE 1B AWS TMA | 55"x12"x7.9" |
| | 3 | EMPTY MOUNT | | | |
| | 4 | ANDREW | LNX-6515DS-A1M | RRUS 11 B12 | 107"x15.4"x11.6" |
| 3 | 1 | ERICSSON | AIR 32 B4A/B2P | (2) RRUS 32 B2 | 56.6"x12.9"x8.7" |
| | 2 | ERICSSON | AIR21 B2A/B4P | TWIN STYLE 1B AWS TMA | 55"x12"x7.9" |
| | 3 | EMPTY MOUNT | | | |
| | 4 | ANDREW | LNX-6515DS-A1M | RRUS 11 B12 | 107"x15.4"x11.6" |

PROPOSED ANTENNA SCHEDULE

| SECTOR | POSITION | MANUFACTURER | MODEL | TMA/RRH | SIZE (HxWxD) |
|--------|----------|--------------|----------------------|-------------------------------|-------------------|
| 1 | 1 | ERICSSON | AIR21 B2A/B4P | TWIN STYLE 1BX TMA | 55"x12"x7.9" |
| | 2 | ERICSSON | AIR 3246 B66 | | 58.1"x15.75"x9.4" |
| | 3 | EMPTY MOUNT | | | |
| | 4 | RFS | APXVAARR24 43-U-NA20 | RRUS 32 B2 RADIO 4449 B12/B71 | 95.9"x24"x8.7" |
| 2 | 1 | ERICSSON | AIR21 B2A/B4P | TWIN STYLE 1BX TMA | 55"x12"x7.9" |
| | 2 | ERICSSON | AIR 3246 B66 | | 58.1"x15.75"x9.4" |
| | 3 | EMPTY MOUNT | | | |
| | 4 | RFS | APXVAARR24 43-U-NA20 | RRUS 32 B2 RADIO 4449 B12/B71 | 95.9"x24"x8.7" |
| 3 | 1 | ERICSSON | AIR21 B2A/B4P | TWIN STYLE 1BX TMA | 55"x12"x7.9" |
| | 2 | ERICSSON | AIR 3246 B66 | | 58.1"x15.75"x9.4" |
| | 3 | EMPTY MOUNT | | | |
| | 4 | RFS | APXVAARR24 43-U-NA20 | RRUS 32 B2 RADIO 4449 B12/B71 | 95.9"x24"x8.7" |

3 ANTENNA SPECIFICATION TABLE
SCALE:



4 ANTENNA MOUNTING DETAIL
SCALE: N.T.S.

CLIENT:

Transcend Wireless

10 INDUSTRIAL AVE TEL: (201) 684-0055
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MICHAEL L. BOHLINGER, PE
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE # 20405

REVISIONS

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|-----|---------|------|-----------------------|
| 1 | 5/25/18 | DCA | PER CLIENT'S COMMENTS |

PROJECT PARTICIPANTS

SITE ACQUISITION: _____
SIGN OFF INITL. _____ DATE: _____

RF ENGINEER: _____
SIGN OFF INITL. _____ DATE: _____

CONSTR. SUPV.: _____
SIGN OFF INITL. _____ DATE: _____

A & E: _____ KM CONSULTING ENGR.'S INC.

| | | | |
|-------|--------|-------|--------|
| P.C.: | CHKD.: | DRN.: | DATE: |
| | MLB | DCA | 5/9/18 |

PROJECT NAME:
BRIDGEPORT

SITE ADDRESS:
623 PINE STREET
BRIDGEPORT, CT 06605

DRAWING TITLE:
ANTENNA PLAN & DETAILS

| | | |
|-------------------------|-------------------|--------------|
| SITE ID #: CT11014B | DRAWING #: A-1 | REV. #: 1 |
| PROJECT #: 180416.00 | | |

FILE NAME: Bridgeport (CT11014B) CDs.dwg

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| 1 | 5/25/18 | DCA | PER CLIENT'S COMMENTS |

NO. DATE DRN. DESCRIPTION

PROJECT PARTICIPANTS

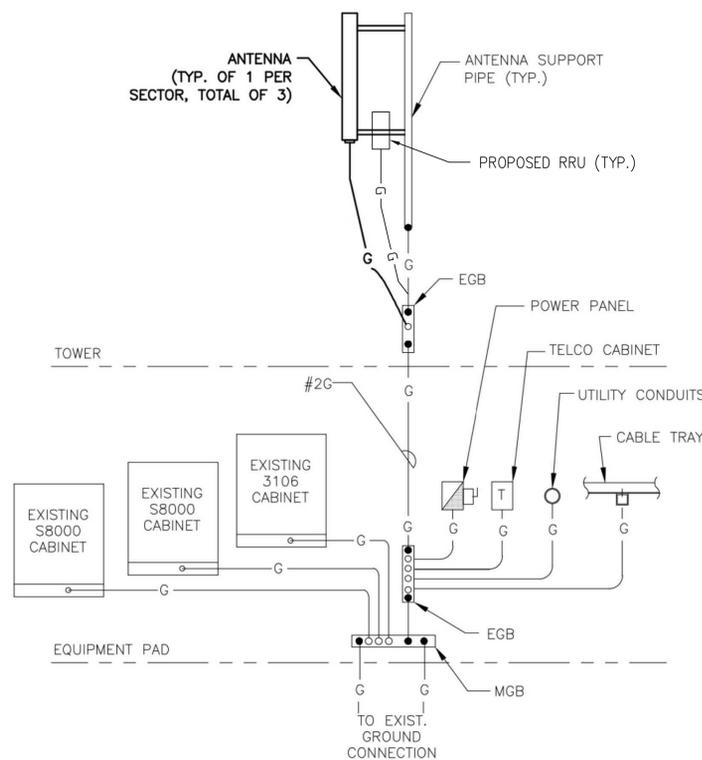
SITE ACQUISITION: _____
SIGN OFF INITL. _____ DATE: _____
RF ENGINEER: _____
SIGN OFF INITL. _____ DATE: _____
CONSTR. SUPV.: _____
SIGN OFF INITL. _____ DATE: _____
A & E: _____ KM CONSULTING ENGR.'S INC.

P.C.: _____ CHKD.: _____ DRN.: _____ DATE: _____
MLB DCA 5/9/18

PROJECT NAME:
BRIDGEPORT
SITE ADDRESS:
623 PINE STREET
BRIDGEPORT, CT 06605

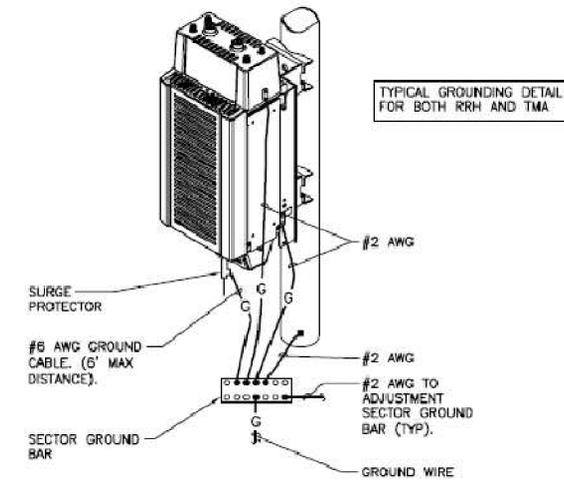
DRAWING TITLE:
GROUNDING DETAILS

SITE ID #: CT11014B
DRAWING #: G-1
REV. #: 1
PROJECT #: 180416.00
FILE NAME: Bridgeport (CT11014B) CDs.dwg

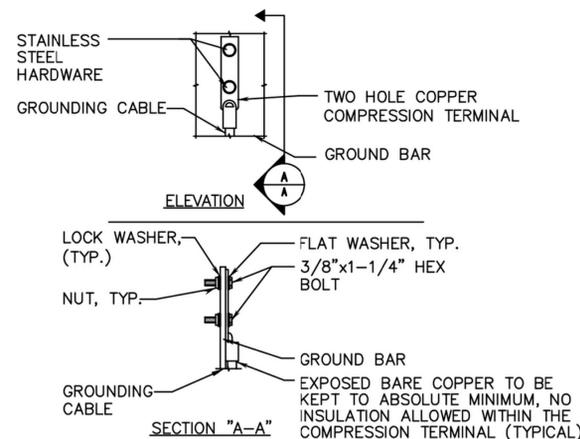


2 GROUNDING RISER DIAGRAM
SCALE: N.T.S.

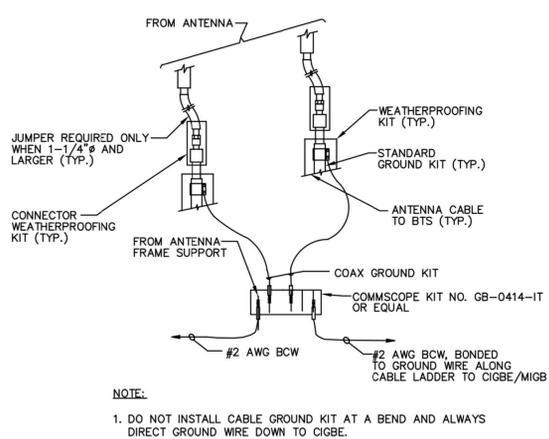
EACH RRU CABINET SHALL BE GROUNDED IN THE FOLLOWING MANNER:
1. AT TOP OF THE CABINET
2. AT RIGHT SIDE OF THE CABINET.



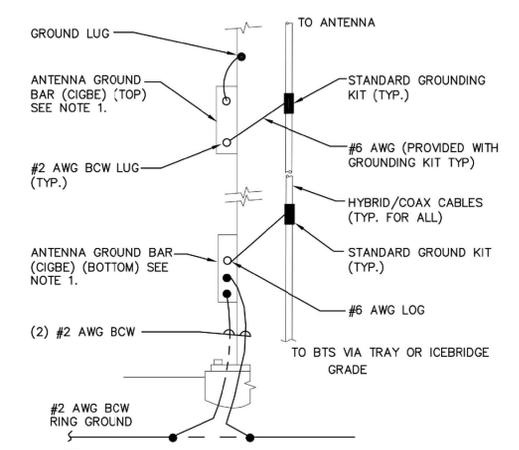
3 RRU GROUNDING DETAIL
SCALE: N.T.S.



1 GROUND BAR CONNECTION DETAIL
SCALE: N.T.S.



4 GROUND WIRE TO GROUND BAR CONNECTION DETAIL
SCALE: N.T.S.



5 ANTENNA CABLE GROUNDING
SCALE: N.T.S.

ELECTRICAL AND GROUNDING NOTES

- CONNECTIONS TO MGB SHALL BE ARRANGED IN THREE MAIN GROUPS: SURGE PRODUCERS (COAXIAL CABLE GROUND KITS, TELCO AND POWER PANEL GROUNDS); GROUNDING ELECTRODE OR BUILDING STEEL; NON-SURGING OBJECTS (EGB GROUND IN BTS UNIT).
- CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS. APPLY OXIDE INHIBITING COMPOUND TO ALL LOCATIONS.
- APPLY OXIDE INHIBITING COMPOUND TO ALL COMPRESSION TYPE GROUND CONNECTIONS.
- BOND ANTENNA MOUNTING BRACKETS, COAXIAL CABLE GROUND KITS, AND ALNA TO EGB PLACED NEAR THE ANTENNA LOCATION.
- BOND ANTENNA EGB'S AND MGB TO WATER MAIN
- TEST COMPLETED GROUND SYSTEM AND RECORD RESULTS FOR PROJECT CLOSE-OUT DOCUMENTATION.
- BOND ANY METAL OBJECTS WITHIN 7 FEET OF PROPOSED EQUIPMENT OR CABINET TO MASTER GROUND BAR.
- VERIFY PROPOSED SERVICE UPGRADE WITH LOCATION UTILITY COMPANY PRIOR TO CONSTRUCTION.

GROUNDING NOTES

1. THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTNING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
2. ALL GROUNDING ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATIONS, RADIO, LIGHTNING PROTECTION, AND AC POWER GEC'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
3. THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
4. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
5. EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS, 2 AWG STRANDED COPPER FOR OUTDOOR BTS.
6. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
7. APPROVED ANTIOXIDANT COATINGS (I.E. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
8. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RUNG, IN ACCORDANCE WITH THE NEC.
11. METAL CONDUIT SHALL BE MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTING OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWS COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.

GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY.

CONTRACTOR – TRANSCEND WIRELESS
SUBCONTRACTOR – GENERAL CONTRACTOR (CONSTRUCTION)
OWNER – T-MOBILE
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
4. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
5. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
6. "KITTING LIST" SUPPLIED WITH THE BID PACKAGE IDENTIFIES ITEMS THAT WILL BE SUPPLIED BY THE CONTRACTOR. ITEMS NOT INCLUDED IN THE BILL OF MATERIALS AND KITTING LIST SHALL BE SUPPLIED BY THE SUBCONTRACTOR.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR.
9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWINGS. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.
10. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
11. SUBCONTRACTORS SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
12. SUBCONTRACTOR SHALL LEAVE PREMISED IN CLEAN CONDITION.
13. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
14. ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL BE AIR-ENTRAINED AND SHALL HAVE 4000PSI STRENGTH AT 28 DAYS. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.

15. ALL STRUCTURAL STEEL WORK SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS. ALL STRUCTURAL STEEL SHALL BE ASTM A36 (Fy = 36 ksi) UNLES OTHERWISE NOTED. PIPES SHALL BE ASTM A53 TYPE 3 (Fy = 36 ksi). ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED. TOUCHUP ALL SCRATCHES AND OTHER MARKS IN THE FIELD AFTER STEEL IS ERECTED USING A COMPATIBLE ZINC RICH PAINT.

16. CONSTRUCTION SHALL COMPLY WITH UMTS SPECIFICATIONS AND "GENERAL CONSTRUCTION SERVICES FOR CONSTRUCTION OF T-MOBILE SITES."

17. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR WITH ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

18. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATIONS. ANY CONSTRUCTIN WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.

19. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.

20. APPLICABLE BUILDING CODES:
SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF THE CONTRACT AWARD SHALL GOVERN THE DESIGN.

BUILDING CODE: 2016 CONNECTICUT STATE BUILDING CODE.
ELECTRICAL CODE: REFER TO ELECTRICAL DRAWINGS
LIGHTNING CODE: REFER TO ELECTRICAL DRAWINGS

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:

AMERICAN CONCRETE INSTITUTE (ACI) 318: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE

AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)

MANUAL OF STEEL CONSTRUCTION, ASD, 9TH EDITION

ANSI/TIA-222-G, STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHOD OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MORE RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

CLIENT:

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CERTIFICATION OF AUTHORIZATION: 24GA27989600

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MICHAEL L. BOHLINGER, PE
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE # 20405

REVISIONS

| NO. | DATE | DRN. | DESCRIPTION |
|-----|---------|------|-----------------------|
| 1 | 5/25/18 | DCA | PER CLIENT'S COMMENTS |

PROJECT PARTICIPANTS

SITE ACQUISITION: _____
SIGN OFF INITL. _____ DATE: _____

RF ENGINEER.: _____
SIGN OFF INITL. _____ DATE: _____

CONSTR. SUPV.: _____
SIGN OFF INITL. _____ DATE: _____

A & E: _____ KM CONSULTING ENGR.'S INC.

| | | | |
|-------|---------------|--------------|-----------------|
| P.C.: | CHKD.: MLB | DRN.: DCA | DATE: 5/9/18 |
|-------|---------------|--------------|-----------------|

PROJECT NAME:
BRIDGEPORT

SITE ADDRESS:
623 PINE STREET
BRIDGEPORT, CT 06605

DRAWING TITLE:

GENERAL NOTES

| | | |
|--|--------------------|--------------|
| SITE ID #: CT11014B | DRAWING #: GN-1 | REV. #: 1 |
| PROJECT #: 180416.00 | | |
| FILE NAME: Bridgeport (CT11014B) CDs.dwg | | |