



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

Web Site: portal.ct.gov/csc

VIA ELECTRONIC MAIL

July 11, 2023

Catherine Conklin
General Dynamics Wireless Services
2586 Industry Lane, Suite 100
Norrstown, PA 19403
Catherine.conklin@gdit.com

RE: **EM-ATT-047-230621** – AT&T notice of intent to modify an existing telecommunications facility located at 50 Plantation Road, East Windsor, Connecticut.

Dear Catherine Conklin:

The Connecticut Siting Council (Council) is in receipt of your correspondence of July 11, 2023 submitted in response to the Council's June 30, 2023 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/ANM/dll

From: Conklin, Catherine (NE) <Catherine.Conklin@gdit.com>
Sent: Tuesday, July 11, 2023 1:47 PM
To: LaFountain, Dakota <Dakota.LaFountain@ct.gov>
Cc: CSC-DL Siting Council <Siting.Council@ct.gov>
Subject: RE: Council Incomplete Letter: EM-ATT-047-230621 - 50 Plantation Road, East Windsor

Good Afternoon

See attached email from the Director of Planning & Development with the site plan approvals requested.

Thank you

Catherine Conklin

Site Acquisition Specialist

M 301-266-0258

Catherine.Conklin@gdit.com

405 Commerce Park Drive

Cranberry Twp, PA 16066

www.gdit.com

GENERAL DYNAMICS
Information Technology

"The information transmitted is intended only for the person or entity to which it is addressed and may contain confidential and/or privileged information. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon this information by persons or entities other than the intended recipient is prohibited. If you received this in error, please contact the sender and delete the material from any computer."

-----Original Message-----

From: Ruthanne Calabrese <RCalabrese@eastwindsorct.com>
Sent: Tuesday, July 11, 2023 1:37 PM
To: Conklin, Catherine (NE) <Catherine.Conklin@gdit.com>
Subject: RE: [East Windsor CT] CSC Denial (Sent by Catherine Conklin, catherine.conklin@gdit.com)

[External: Use caution with links & attachments]

Catherine,

Please see the attached files pertaining to the water tower and site plan approvals for communication antennae.

Best Regards,
Ruth

Ruthanne Calabrese
Director of Planning & Development

Planning & Development Department
Town of East Windsor | 11 Rye Street | Broad Brook | CT | 06016 p. 860.623.6030 Town Hall hours: M-W: 8:30-4:30; Th: 8:30-7pm; F: 8:30-1:00pm

-----Original Message-----

From: cmsmailer@civicplus.com <cmsmailer@civicplus.com>
Sent: Monday, July 10, 2023 4:26 PM
To: Ruthanne Calabrese <RCalabrese@eastwindsorct.com>
Subject: [East Windsor CT] CSC Denial (Sent by Catherine Conklin, catherine.conklin@gdit.com)

Hello rcalabrese,

Catherine Conklin (catherine.conklin@gdit.com) has sent you a message via your contact form ([https://urldefense.us/v3/https://linkprotect.cudasvc.com/url?a=https*3a*2f*2fwww.eastwindsorct.gov*2fuser*2f3231*2fcontact&c=E,1,XOUcw0pbtSulbeh3QYBEjZ_DzbkdQVgcNxpmCXVeU1BP69gz-o0N4plffyVjEDa9J3Hp20P80gBGh45zW_6zr-3mvPZlWkyDxf5XSb1YC3JqaU0wl6lvFrVz&typo=1_;JSUIJSUI!!JRQnnSFuzw7wjAKq6ti6!1XP-BXqPG-tJvkplza6SnuBSVK-dwkmVSOvdusJJpNzy2mMo5MFaYxGfjBrLG-lnw8IEU3rp0-mlxiXO3Vde5XORqWTJKw\\$](https://urldefense.us/v3/https://linkprotect.cudasvc.com/url?a=https*3a*2f*2fwww.eastwindsorct.gov*2fuser*2f3231*2fcontact&c=E,1,XOUcw0pbtSulbeh3QYBEjZ_DzbkdQVgcNxpmCXVeU1BP69gz-o0N4plffyVjEDa9J3Hp20P80gBGh45zW_6zr-3mvPZlWkyDxf5XSb1YC3JqaU0wl6lvFrVz&typo=1_;JSUIJSUI!!JRQnnSFuzw7wjAKq6ti6!1XP-BXqPG-tJvkplza6SnuBSVK-dwkmVSOvdusJJpNzy2mMo5MFaYxGfjBrLG-lnw8IEU3rp0-mlxiXO3Vde5XORqWTJKw$)) at East Windsor CT.

If you don't want to receive such e-mails, you can change your settings at [https://urldefense.us/v3/https://linkprotect.cudasvc.com/url?a=https*3a*2f*2fwww.eastwindsorct.gov*2fuser*2f3231*2fedit&c=E,1,TER5ZLM4HedNgYSCQ66J-nKsSEN-ARlsmIqJWczz5SZ7siR0GReOsRHZTXGFGWniSetdq9btmz6flfnH0XbflQFDqakUvbbFfvqY-LAxS7Nw0-yAcax1e-nKJA,&typo=1_;JSUIJSUI!!JRQnnSFuzw7wjAKq6ti6!1XP-BXqPG-tJvkplza6SnuBSVK-dwkmVSOvdusJJpNzy2mMo5MFaYxGfjBrLG-lnw8IEU3rp0-mlxiXO3Vde5XNVY9wqsg\\$](https://urldefense.us/v3/https://linkprotect.cudasvc.com/url?a=https*3a*2f*2fwww.eastwindsorct.gov*2fuser*2f3231*2fedit&c=E,1,TER5ZLM4HedNgYSCQ66J-nKsSEN-ARlsmIqJWczz5SZ7siR0GReOsRHZTXGFGWniSetdq9btmz6flfnH0XbflQFDqakUvbbFfvqY-LAxS7Nw0-yAcax1e-nKJA,&typo=1_;JSUIJSUI!!JRQnnSFuzw7wjAKq6ti6!1XP-BXqPG-tJvkplza6SnuBSVK-dwkmVSOvdusJJpNzy2mMo5MFaYxGfjBrLG-lnw8IEU3rp0-mlxiXO3Vde5XNVY9wqsg$).

Message:

Good Afternoon,

I received a denial letter from the CSC for reason below and attached.

Staff has reviewed this exempt modification request for completeness and has identified a deficiency in the submittal. The exempt modification request lacks documentation of the original facility approval and any conditions of such approval or correspondence with the Town of East Windsor stating that the town no longer retains records of its decision.

I was not able to find anything in their web site earlier than 2006. Do you have anything in the town records? If so, could you please email it to me. If not, could email me written correspondence stating the town no longer retains records of its decision.

Thank you

S.B.A., INC. - S/S PLANTATION ROAD
- Site Plan Approval - Communication
antennae on existing water tower.

Approved 10-8-96



SBA, Inc. • Wireless Communications Consultants

Thomas Cookingham

PROJECT OFFICE (LOCAL):
300 Research Pkwy., 3rd Floor
Meriden, CT 06450 USA
Phone: (203) 237-1747
Fax: (203) 237-1433
Pager: (203) 580-6287

CORPORATE OFFICE:
6001 Broken Sound Pkwy.
Suite 400
Boca Raton, FL 33487
Phone: (407) 995-7670
Fax: (407) 995-7626

*d/b/a in the State of New Jersey as SBA Consulting Services, Inc.
d/b/a in the State of New York as SBA Consulting Services*

FOR OFFICE USE ONLY

APPLICANT: SBA, Inc.
ADDRESS: S/S Plantation Road PHONE: 237-1747
APPLICATION FOR: Site Plan Approval - Communication antennae on existing
DATE RECEIVED: 9-9-96 water tower & locate support
equipment adjacent to tower.
DATE RECEIVED BY COMMISSION: 10-8-96
DATES OF ADVERTISEMENTS: _____ AND _____
DATES OF PUBLIC HEARING: _____
"PUBLIC HEARING" sign given to applicant - (date) _____

REFERRALS

| | <u>Date Sent</u> | <u>Date Received</u> | <u>Answer</u> |
|-------------------------|------------------|----------------------|---------------|
| Town Engineer | <u>9-16-96</u> | _____ | YES/NO _____ |
| N.C.H.D. | _____ | _____ | YES/NO _____ |
| W.P.C.A. | _____ | _____ | YES/NO _____ |
| Conservation Commission | <u>9-16-96</u> | _____ | YES/NO _____ |
| Park & Recreation Comm. | _____ | _____ | YES/NO _____ |
| Economic Develop. Comm. | _____ | _____ | YES/NO _____ |
| L.M.A.C. | _____ | _____ | YES/NO _____ |
| S.C.S. | _____ | _____ | YES/NO _____ |
| C.R.C.O.G. | _____ | _____ | YES/NO _____ |
| Other | _____ | _____ | YES/NO _____ |

ACTION OF COMMISSION: _____
DATE: _____

PULLMAN & COMLEY, LLC
ATTORNEYS AT LAW

EM-POCKET-047-090504

CARRIE L. LARSON
90 State House Square
Hartford, CT 06103-3702
p (860) 424-4312
f (860) 424-4370

www.pullcom.com

May 1, 2009

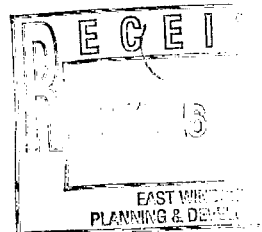
Via Federal Express

S. Derek Phelps, Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

**Re: Notice of Exempt Modification
Unison Site Management Telecommunications Facility
50 Plantation Road, East Windsor, Connecticut**

RECEIVED
MAY - 4 2009

CONNECTICUT
SITING COUNCIL



Dear Mr. Phelps:

Youghiogheny Communications-Northeast, LLC, doing business as Pocket Communications ("Pocket"), intends to install antennas and appurtenant equipment at the existing 135-foot out of service water tank facility owned by Unison Site Management and located at 50 Plantation Road, East Windsor, Connecticut ("Facility"). Pocket Communications provides prepaid, flat rate wireless voice and data services to more than a quarter of a million subscribers. Pocket is licensed by the Federal Communications Commission (FCC) to provide PCS wireless telecommunications service in the State of Connecticut, which includes the area to be served by the proposed installation. This installation constitutes an exempt modification pursuant to the Public Utility Environmental Standards Act, Connecticut General Statutes Section 16-50g et. seq. (PUESA), and Section 16-50j-72(b)(2) of the Regulations of the Connecticut State Agencies adopted pursuant to PUESA. In accordance with R.C.S.A. Section 16-50j-73, a copy of this notice has been sent to Denise Menard, First Selectman, Town of East Windsor.

The existing Facility consists of a 135-foot water tank capable of supporting multiple carriers within a fenced compound. The water tank is out of service and is controlled by Unison Site Management, with exclusive rights to the tank and the ground space. This water tank has already been established as being within the jurisdiction of the Siting Council. The coordinates for the Facility are **Lat: 41°-52'-32"** and **Long: 72°-33'-53"**. The water tank is located in the central portion of East Windsor. The Facility is roughly 10 feet south of Plantation Road and roughly 2 miles north of Sullivan Avenue (Route 194). The Facility is roughly 3 miles east of Main Street (Route 5) (see Site Map, attached as Exhibit A). The tower currently supports AT&T antennas at the one hundred sixteen foot level (116') centerline AGL (above ground level); and Sprint antennas at the approximate one hundred twenty-six foot level (126') AGL. Pocket proposes to install three APXV18-2065S-C antennas at the one hundred twenty-three foot level (123') AGL, and a Nortel CDMA Micro BTS 3231 cabinet, mounted on an "H-Frame,"

Page 2

contained within a six foot by six foot (6'-0" x 6'-0") lease area. A small GPS antenna will be mounted to the antenna mount pipe on water tower (see detail 4/05, Exhibit B). An ice bridge will run from the lease area to the tower. Utilities will be run via a proposed underground conduit from existing utility sources within the compound (See Design Drawings and Equipment Specifications, attached as Exhibits B and C respectively). To accommodate Pocket's equipment on a temporary basis, a mobile, EPA approved generator and small microwave dish antenna (approximately 14" by 14") will be used at the site to provide electricity until permanent power can be established by the utility provider. Pocket anticipates that the temporary generator will be in use for a maximum of eight weeks from the time of approval. The specifications on this proposed temporary generator and microwave dish are included in the Equipment Specifications, attached as Exhibit C. Due to the temporary use and low emissions from the generator, no permit is required from the Department of Environmental Protection. Pocket would propose to refuel the generator every 48 hours.

For the following reasons, the proposed modifications to the Plantation Road Facility meet the exempt modification criteria set forth in R.C.S.A. Section 16-50j-72(b)(2):

1. The proposed modification will not increase the height of the tower as Pocket's antennas will be installed at a center line height of approximately 123 feet.
2. The installation of Pocket's equipment and shelter will not require an extension of the site boundaries.
3. The proposed modifications will not increase the noise levels at the existing Facility by six decibels or more.
4. The operation of the additional antennas will not increase the total radio frequency (RF) power density, measured at the site boundary, to a level at or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes and MPE limits established by the Federal Communications Commission. The worst-case RF power density calculations for the proposed Pocket antennas would be 30.06% of the FCC standard (see general power density calculations table, attached as Exhibit D).

Also attached, Exhibit E, is a structural analysis confirming that the tower can support the existing and proposed antennas and associated equipment.

For the foregoing reasons, Pocket respectfully submits that the proposed antenna installation and equipment at the East Windsor Facility constitutes an exempt modification under R.C.S.A. Section 16-50j-72(b)(2)

PULLMAN & COMLEY, LLC
ATTORNEYS AT LAW

Page 3

Respectfully Submitted,



Carrie L. Larson

cc: Denise Menard, First Selectman, Town of East Windsor
Unison Site Management, underlying property owner

Hartford/72572.2/JTP/367045v1

Exhibit A

Site Map

Pocket Site HFCT1508B

50 Plantation Road

East Windsor, Connecticut

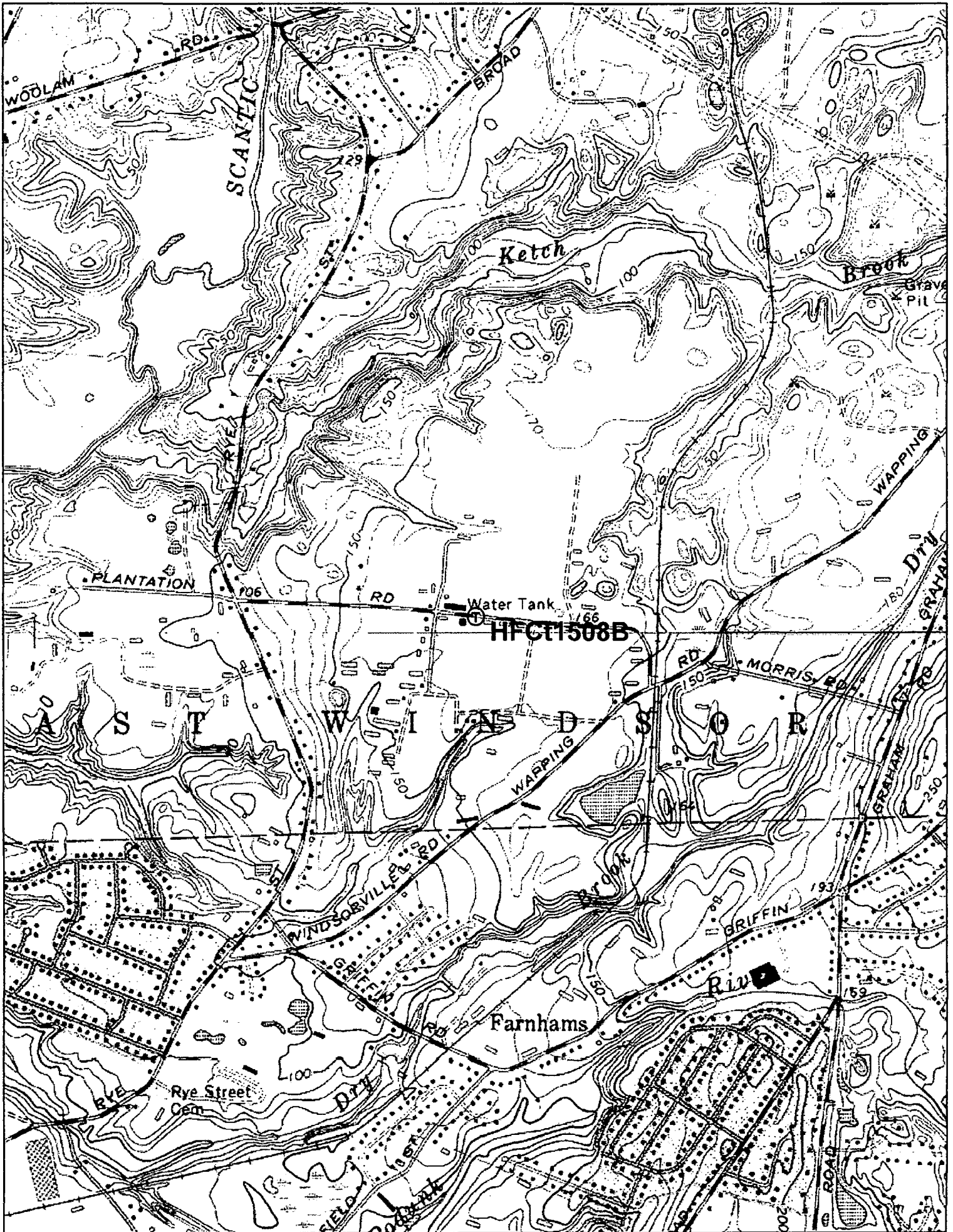


Exhibit B

Design Drawings

Pocket Site HFCT1508B

50 Plantation Road

East Windsor, Connecticut

PROJECT INFORMATION

TOWER OWNER: UNISON SITE MANAGEMENT
82 THOMAS JOHNSON DR.
SUITE 130
FREDERICK, MD 21702

OWNER SITE ID#: TBD

APPLICANT: YOUGHIOGHENY COMMUNICATIONS-
NORTHEAST LLC
2819 NW LOOP 410
SAN ANTONIO, TX 78230

SITE ADDRESS: 50 PLANTATION ROAD
EAST WINDSOR, CT 06016

COUNTY: HARTFORD

LATITUDE: 41.8756

LONGITUDE: -72.5648

STRUCTURE HEIGHT: 135' AGL

ZONING CLASSIFICATION: N/A

ZONING JURISDICTION: CONNECTICUT SITING COUNCIL

POWER COMPANY: CL&P
1-860-947-2121

TELEPHONE COMPANY: AT&T
1-888-727-8388

DESIGN FIRM: URS CORPORATION AES
500 ENTERPRISE DRIVE, SUITE 300
ROCKY HILL, CT 0867
PHONE: 860-529-8882

DRAWING INDEX

| | | |
|-----|---|---|
| 01 | TITLE SHEET | 0 |
| 02 | SITE PLANS AND NOTES | 0 |
| 03 | WATER TANK ELEVATION, ANTENNA PLAN AND DETAILS | 0 |
| 03A | ANTENNA DETAIL AND NOTES | 0 |
| 04 | GROUNDING DETAILS | 0 |
| 05 | GROUNDING PLAN AND DETAILS | 0 |
| 06 | ELECTRICAL DETAILS | 0 |

APPROVALS

_____ REAL ESTATE

_____ RF

_____ OPS/CONSTRUCTION

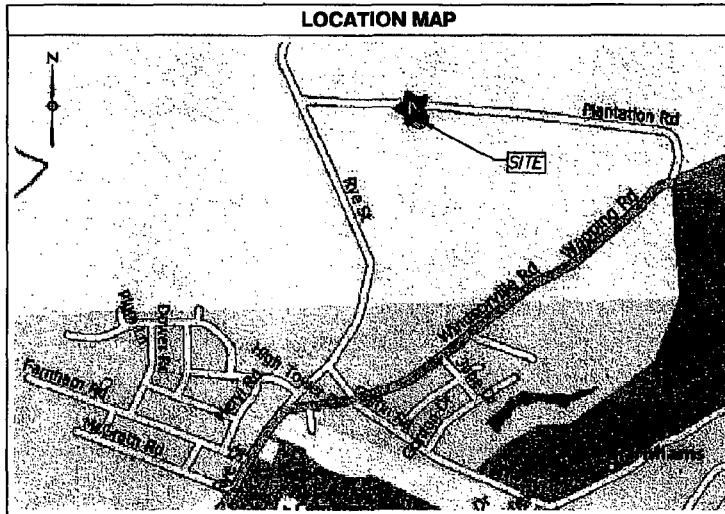
_____ LEGAL/COMPLIANCE

_____ NET DESIGN



**HFCT1508B
50 PLANTATION ROAD
WATER TANK**

LOCATION MAP



DRIVING DIRECTIONS

FROM HARTFORD:
TAKE I-91 NORTH TO EXIT 29 TO ROUTE 5 NORTH TO EXIT 90. TAKE A LEFT ON MAIN STREET, THEN RIGHT ON CT-194 SULLIVAN AVE. TAKE A LEFT ON RYE STREET AND A RIGHT ON PLANTATION ROAD TO TANK ON THE RIGHT.

APPLICABLE BUILDING CODES AND STANDARDS

CONTRACTOR'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 CONTRACT AWARD SHALL GOVERN THE DESIGN.

BUILDING CODE:
CONNECTICUT STATE BUILDING CODE
2003 INTERNATIONAL BUILDING CODE
2003 INTERNATIONAL PLUMBING CODE
2003 INTERNATIONAL MECHANICAL CODE
2003 INTERNATIONAL EXISTING BUILDING CODE
2005 CONNECTICUT SUPPLEMENT

ELECTRICAL CODE:
2005 NATIONAL ELECTRICAL CODE
CONNECTICUT STATE FIRE SAFETY CODE
2003 INTERNATIONAL FIRE CODE

CONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST APPROVED 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, NINTH EDITION
TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-F, STRUCTURAL STANDARD FOR STRUCTURAL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES:
TIA 607, COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS

INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM
IEEE 1100 (1999) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRONIC EQUIPMENT
IEEE C92.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "03" AND "HIGH SYSTEM EXPOSURE")

TELCORDIA GR-1275 GENERAL INSTALLATION REQUIREMENTS
TELCORDIA GR-1503 COAXIAL CABLE CONNECTIONS
ANSI T1-311, FOR TELECOM - DC POWER SYSTEMS - TELECOM, ENVIRONMENTAL PROTECTION

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

SITE NOTES

1. THIS SITE IS UNMANNED AND IS RESTRICTED TO OUTDOOR EQUIPMENT. IT WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNALS FOR THE PURPOSE OF PROVIDING PUBLIC CELLULAR SERVICE.
2. POCKET COMMUNICATIONS CERTIFIES THAT THIS TELEPHONE EQUIPMENT FACILITY WILL BE SERVICED ONLY BY POCKET COMMUNICATIONS EMPLOYEES AND THE WORK ASSOCIATED WITH ANY EQUIPMENT CANNOT BE PERFORMED BY HANDICAPPED PERSONS. THIS FACILITY WILL BE FREQUENTED ONLY BY SERVICE PERSONNEL FOR REPAIR PURPOSES ONLY. THIS FACILITY IS EXEMPT FROM THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) APPENDIX B, SECTION 4.11.(5)(B)
3. NO POTABLE WATER SUPPLY IS TO BE PROVIDED AT THIS LOCATION.
4. NO WASTE WATER WILL BE GENERATED AT THIS LOCATION.
5. NO SOLID WASTE WILL BE GENERATED AT THIS LOCATION.
6. POCKET COMMUNICATIONS MAINTENANCE CREW (TYPICALLY ONE PERSON) WILL MAKE AN AVERAGE OF ONE TRIP PER MONTH AT ONE HOUR PER VISIT.



URS CORPORATION AES
500 ENTERPRISE DRIVE
ROCKY HILL, CT, 0867
1-860-529-8882

DATE: 04/23/08
JOB NUMBER: C1073/35923993
PROJECT NAME: HFCT1508B

01

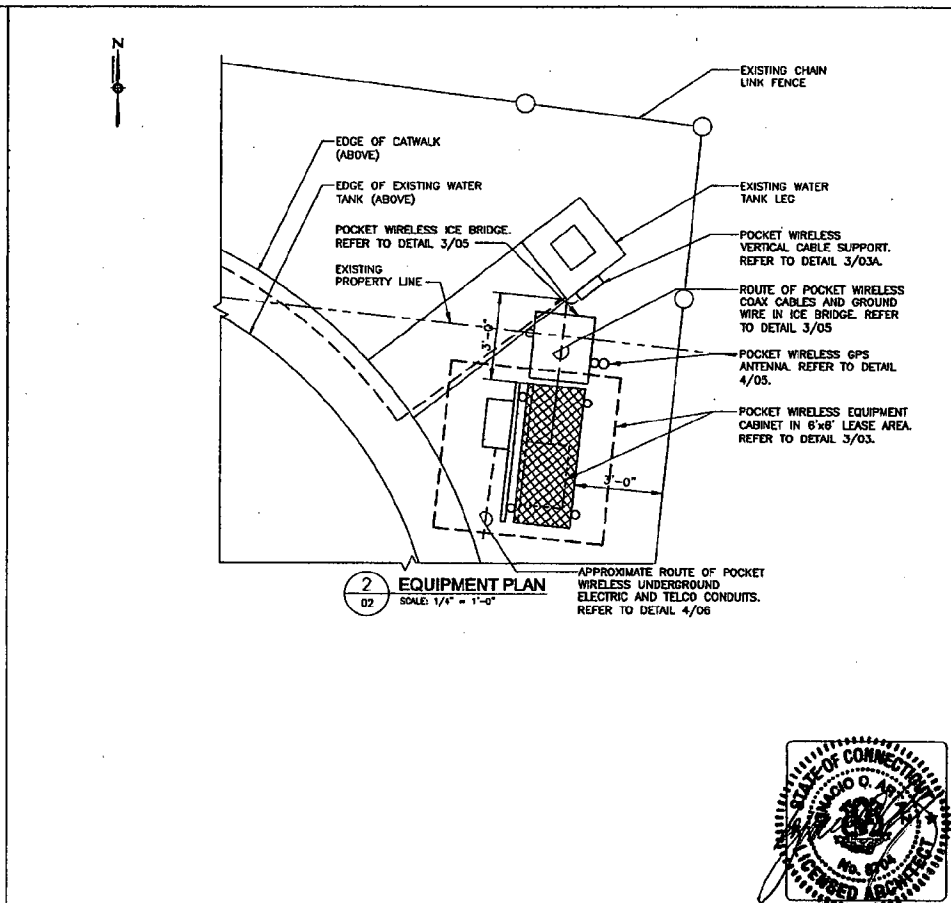
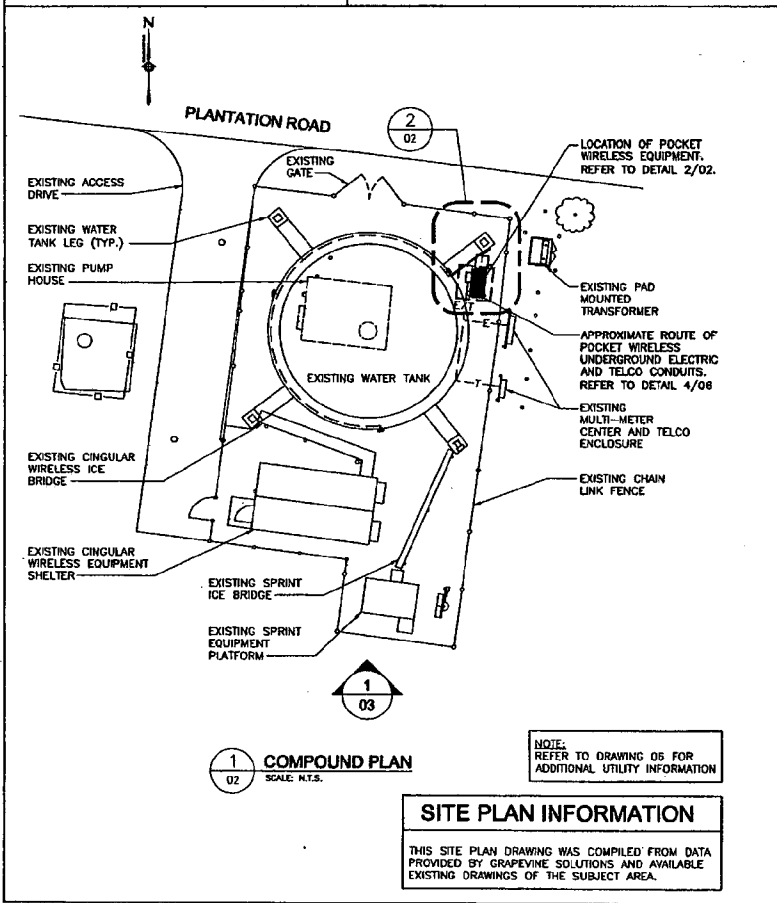
HFCT1508B, 50 PLANTATION ROAD
TITLE SHEET

CONSTRUCTION NOTES

1. FIELD VERIFICATION: CONTRACTOR SHALL FIELD VERIFY SCOPE OF WORK, POCKET COMMUNICATIONS ANTENNA MOUNT LOCATION AND ANTENNAS TO BE INSTALLED.
2. COORDINATION OF WORK: CONTRACTOR SHALL COORDINATE IF WORK AND PROCEDURES WITH POCKET COMMUNICATIONS.
3. GRAVEL SURFACE IN AREAS OF COMPOUND THAT ARE DISTURBED DURING CONSTRUCTION AND ALL DISTURBED GRASS AREAS SHALL BE RESTORED TO ORIGINAL CONDITION BY CONTRACTOR.

GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
 CONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)
 OWNER - POCKET COMMUNICATIONS
 OEM - ORIGINAL EQUIPMENT MANUFACTURER
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO BECOME FAMILIAR 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 THE CONSTRUCTION MANAGER AND THE ENGINEER.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.
4. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
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. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
7. CONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, AND GROUNDING CABLES AS SHOWN ON THE SITE PLAN.
8. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
9. CONTRACTOR 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.
10. CONTRACTOR TO OBTAIN REQUIRED NOTICE TO PROCEED DOCUMENTS FROM THE WATER TANK OWNER BEFORE COMMENCING CONSTRUCTION.



| | |
|--------|----------|
| DATE | 04/23/09 |
| DESIGN | JCF |
| DATE | 04/23/09 |
| DESIGN | BAL |
| DATE | 04/23/09 |
| DESIGN | BAL |
| DATE | 04/23/09 |
| DESIGN | BAL |
| DATE | 04/23/09 |
| DESIGN | BAL |
| DATE | 04/23/09 |
| DESIGN | BAL |

POCKET COMMUNICATIONS
SMART WIRELESS

HPC1508B, 50 PLANTATION ROAD

URS CORPORATION
1000 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
860-224-2822

THE INFORMATION CONTAINED IN THIS DOCUMENT AND THE DOCUMENT ITSELF, IS PROPRIETARY, BELONGING TO URS CORPORATION. THIS DOCUMENT IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF URS CORPORATION.

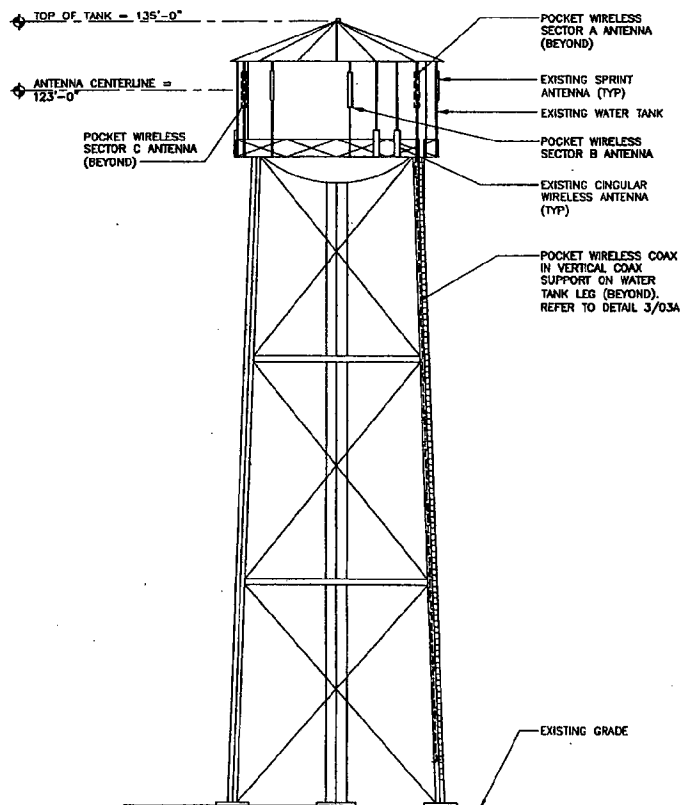
URS

DESIGNED BY: JCF
 DRAWN BY: BAL
 DATE: 04/23/09
 URS JOB NUMBER: PC1073/36923993
 DRAWING NUMBER: 02

STATE OF CONNECTICUT
MULLINBACH & ASSOCIATES, INC.
REGISTERED PROFESSIONAL ENGINEER

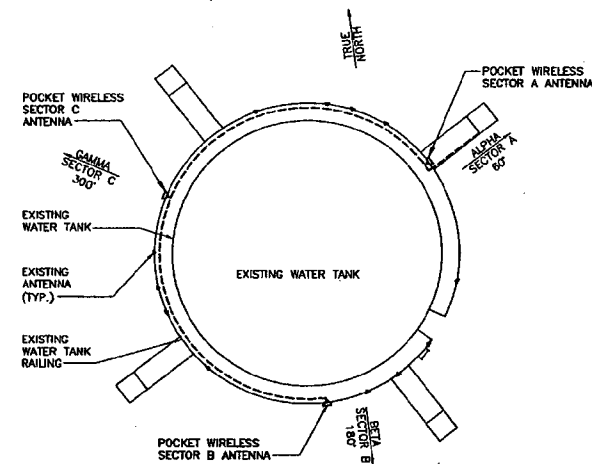
| ANTENNA KEY | | | | | | | | | | | | |
|-------------|---------------------|----------------|-----------------|----------------|------------------|---------|------------|---------------------|---------------------|-----------|-------------------|-------------------|
| | ANTENNAS PER SECTOR | ANTENNA NUMBER | COAX COLOR CODE | ANTENNA VENDOR | MODEL NUMBER | AZIMUTH | C/L HEIGHT | ELECTRICAL DOWNTILT | MECHANICAL DOWNTILT | COAX SIZE | CABLE PER ANTENNA | COAX MANUFACTURER |
| ALPHA | 1 | A-1 | (1) RED BAND | RFS | APXV18-206517S-C | 60° | 123'-0" | SEE NOTE | 0° | 1 5/8" | (2) @ 140' | RFS |
| BETA | 1 | B-1 | (1) BLUE BAND | RFS | APXV18-206517S-C | 180° | 123'-0" | SEE NOTE | 0° | 1 5/8" | (2) @ 205' | RFS |
| GAMMA | 1 | C-1 | (1) GREEN BAND | RFS | APXV18-206517S-C | 300° | 123'-0" | SEE NOTE | 0° | 1 5/8" | (2) @ 170' | RFS |
| GPS | 1 | - | (1) YELLOW BAND | NORTEL | NTCB01MA | - | 9'-0" | - | - | LMR400 | (1) @ 10' | ANDREW |

NOTE:
REFER TO RFD'S ANTENNA SHEET FOR FINAL TILT AND AZIMUTHS.

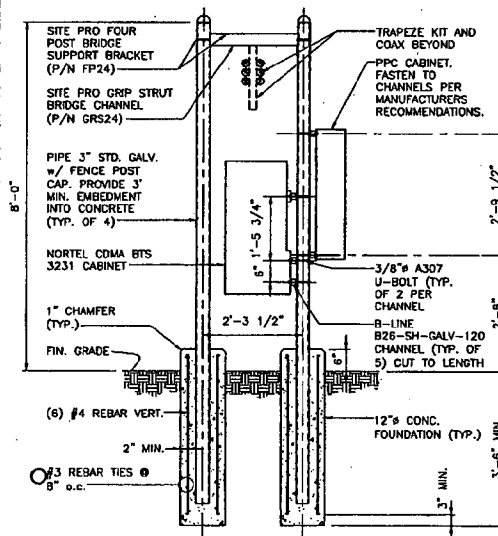


1 WATER TANK ELEVATION
SCALE: N.T.S.

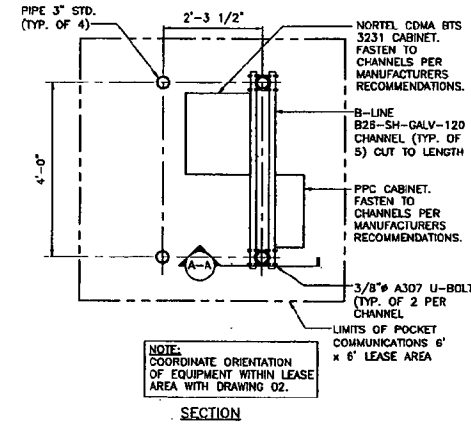
- TANK NOTES:**
- FOR DETAILED TANK INFORMATION, REFER TO TANK ERECTION DRAWINGS BY OTHERS. THE TANK SHOWN ON THIS SHEET IS SHOWN FOR GENERAL CONFIGURATION PURPOSES ONLY.
 - ANTENNA CONFIGURATION IS SUBJECT TO CHANGE. VERIFY ANTENNA HEIGHT, DOWN-TILT, AND AZIMUTH WITH PROJECT MANAGER PRIOR TO CONSTRUCTION.
- ANTENNA NOTES:**
- ALL COAX SHALL BE COLOR CODED AT THE ANTENNA AND AT THE EQUIPMENT CABINET.
 - (2) COLOR BANDS DENOTES TRANSMIT, TRANSMITS TO BE CONNECTED TO THE +45 PORTS OF THE ANTENNAS.
 - PRIOR TO ORDERING ANY ANTENNAS OR COAX, CONTRACTOR SHALL CONTACT POCKETS CONSTRUCTION MANAGER AND OBTAIN APPROVAL FOR MATERIALS LISTED. CONTRACTOR IS SOLELY RESPONSIBLE FOR THIS COORDINATION.



2 ANTENNA SECTOR PLAN
SCALE: N.T.S.



3 EQUIPMENT SUPPORT FRAME
SCALE: N.T.S.



NOTE:
COORDINATE ORIENTATION OF EQUIPMENT WITHIN LEASE AREA WITH DRAWING 02.

| | | |
|----------|-------------------------|----|
| DATE | ISSUED FOR CONSTRUCTION | BY |
| 04/23/09 | | |
| DATE | ISSUED FOR CONSTRUCTION | BY |
| 04/23/09 | | |
| DATE | ISSUED FOR CONSTRUCTION | BY |
| 04/23/09 | | |

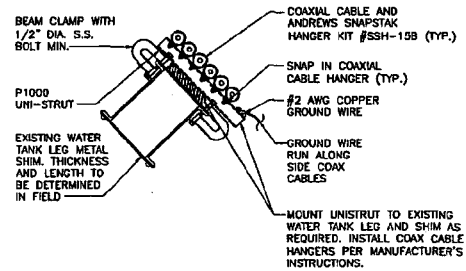
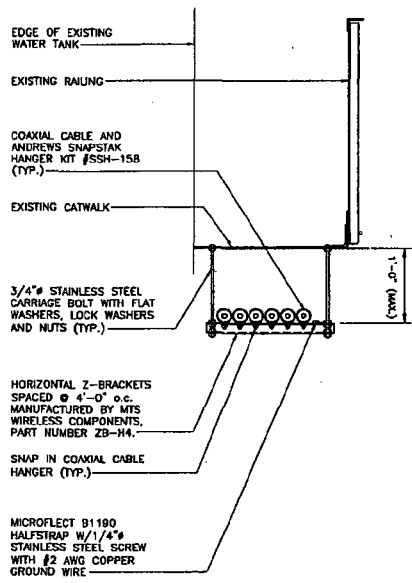
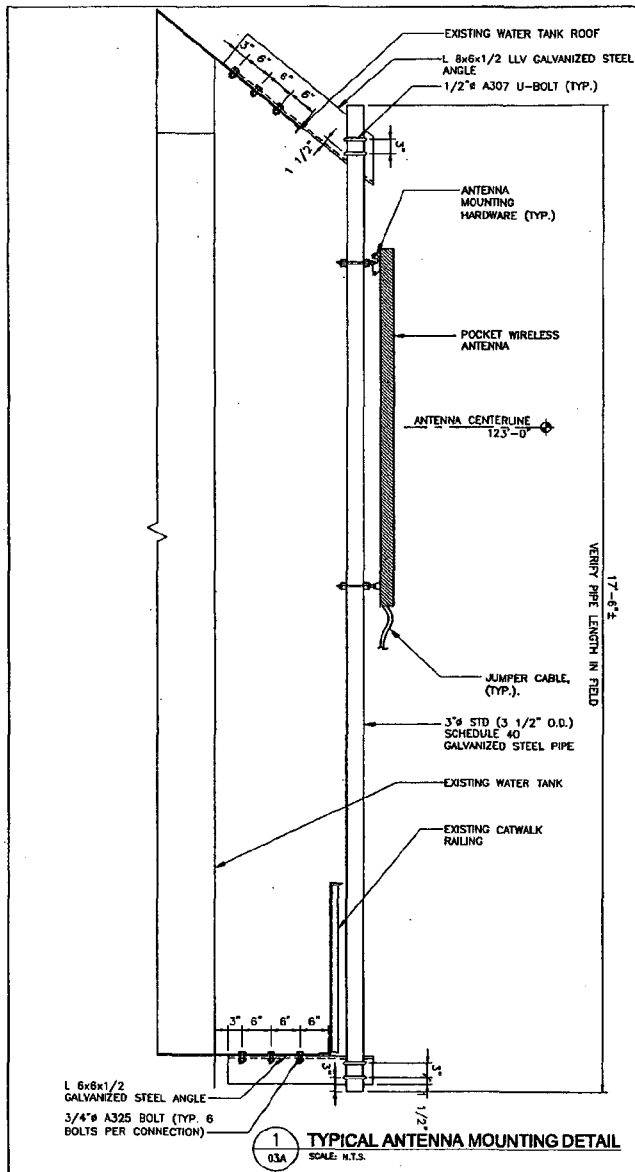
PROJECT: HFC11608B, 80 PLANTATION ROAD
DRAWING: WATER TANK ELEVATION, ANTENNA PLAN AND DETAILS
SCALE: N.T.S.

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URS
CORPORATION
800 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
1-800-891-8800

CHECKED BY: JCF
DRAWN BY: BAL
DATE: 04/23/09
JOB NUMBER: PC1073/36923993
DRAWING NUMBER: 03

STATE OF CONNECTICUT
REGISTERED ARCHITECT
No. 6708



| | | |
|-----|----------|-------------------------|
| NO. | DATE | REVISIONS |
| 0 | 04/23/09 | ISSUED FOR CONSTRUCTION |

pocket
 SMART VERTICAL

HFCT1608B, 60 PLANTATION ROAD
 ANTENNA DETAIL AND NOTES

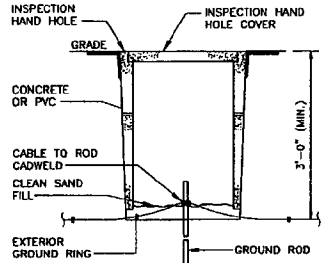
THE INFORMATION CONTAINED IN THIS DOCUMENT, AND THE DOCUMENT ITSELF, IS PROPRIETARY, BELONGING TO URS CORPORATION. THIS DOCUMENT IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF URS CORPORATION.

URS
 URS CORPORATION
 60 ENTERPRISE DRIVE
 ROCKY HILL, CT, 06067
 1-800-428-0862

DESIGNED BY: JCF
 CHECKED BY: BAL
 DATE: 04/23/09
 DRAWN BY: JCF
 PROJECT NUMBER: PC1073/36923993
 DRAWING NUMBER

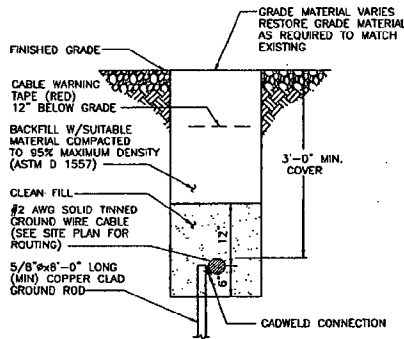
03A

STATE OF CONNECTICUT
 JAMES O. ARCHER
 No. 4774
 LICENSED ARCHITECT



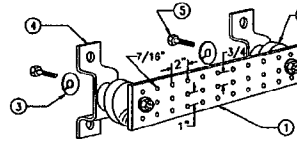
NOTE:
INSPECTION HAND HOLE MAY BE CONCRETE OR PVC AND SHALL BE A MINIMUM OF 8" IN WIDTH/DIAMETER

7 GROUND ROD WITH INSPECTION HANDHOLE
SCALE: N.T.S.



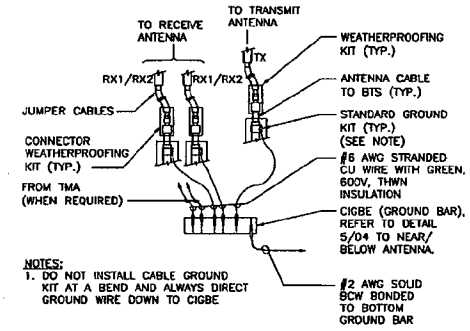
NOTE:
1. WHERE EXISTING UTILITIES ARE LIKELY TO BE ENCOUNTERED, CONTRACTOR SHALL HAND DIG AND PROTECT EXISTING UTILITIES.
2. CADWELD GROUND ROD TO GROUND RING AFTER GROUND ROD HAS BEEN DRIVEN INTO PLACE

6 EGR DETAIL
SCALE: N.T.S.



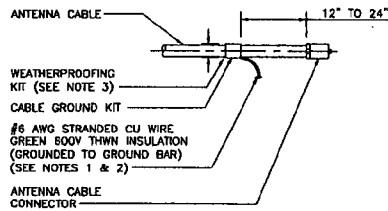
LEGEND
1- COPPER GROUND BAR, 1/4" x 4" x 20", NEWTON INSTRUMENT CO. CAT. NO. B-6142 OR EQUAL. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION. (ACTUAL GROUND BAR SIZE WILL VARY BASED ON NUMBER OF GROUND CONNECTIONS)
2- INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4 OR EQUAL
3- 5/8" LOCK WASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-B OR EQUAL
4- WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT. NO. A-6056 OR EQUAL
5- 5/8"-11 X 1" MHCS BOLTS, NEWTON INSTRUMENT CO. CAT. NO. 3012-1 OR EQUAL

5 MASTER/EQUIPMENT GROUND BAR DETAIL
SCALE: N.T.S.



NOTES:
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GIGBE

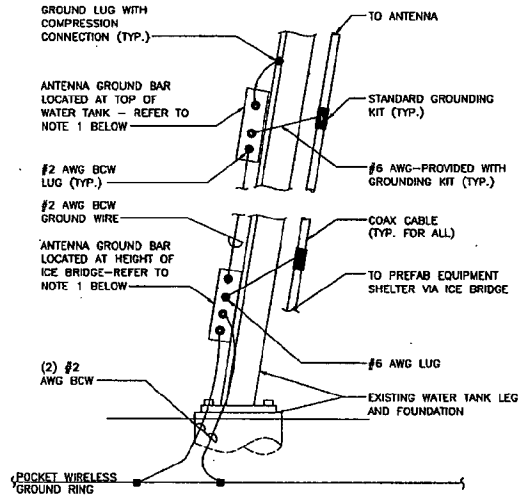
4 CONNECTION OF GROUND WIRE TO GROUND BAR
SCALE: N.T.S.



NOTES:
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.

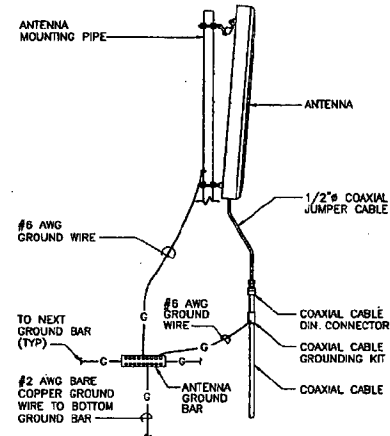
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
3. WEATHER PROOFING SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.

3 CONNECTION OF CABLE GROUND KIT TO ANTENNA CABLE
SCALE: N.T.S.



NOTES:
1. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF WATER TANK, ANTENNA LOCATIONS AND CONNECTION ORIENTATION. PROVIDE AS REQUIRED.
2. NO WELDING OR DRILLING SHALL BE ALLOWED ON THE WATER TANK.
3. DO NOT INSTALL ANTENNA GROUND KIT ON CABLE BEND (TYP.)

2 ANTENNA CABLE GROUNDING TO GROUND BAR AND WATER TANK
SCALE: N.T.S.



1 TYPICAL ANTENNA GROUNDING DETAIL
SCALE: N.T.S.

| | | | |
|-----|----------|-----|-------|
| NO. | DATE | BY | CHKD. |
| 0 | 04/23/09 | BAL | BT |
| 0 | 04/23/09 | BAL | BT |

POCKET WIRELESS
HFCT1808B, 50 PLANTATION ROAD
GROUNDING DETAILS
SHEET

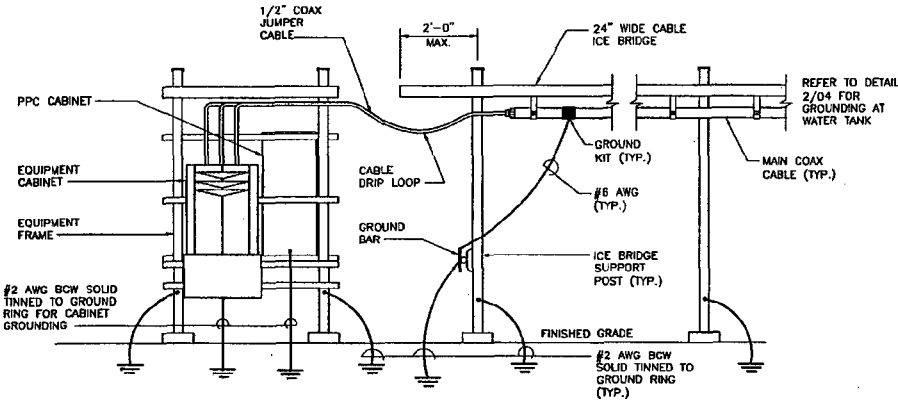
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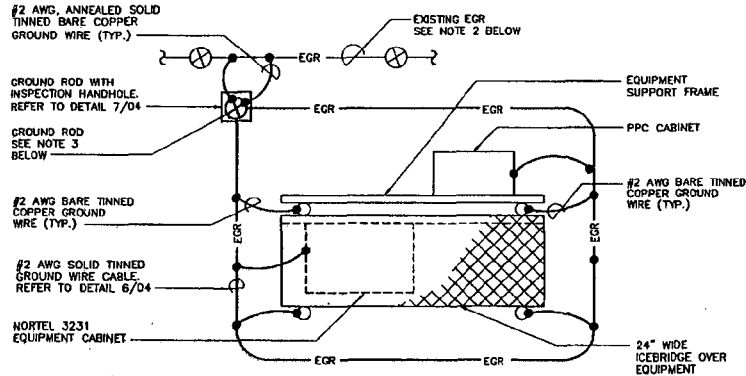
URS CORPORATION
500 ENTERPRISE DRIVE
ROCKY HILL, CT. 06067
1-800-451-4844
DRAWN BY: JCF
CHECKED BY: BAL
DATE: 04/23/09
DESIGN NO: HFCT1073/36923993
PROJECT NUMBER



04

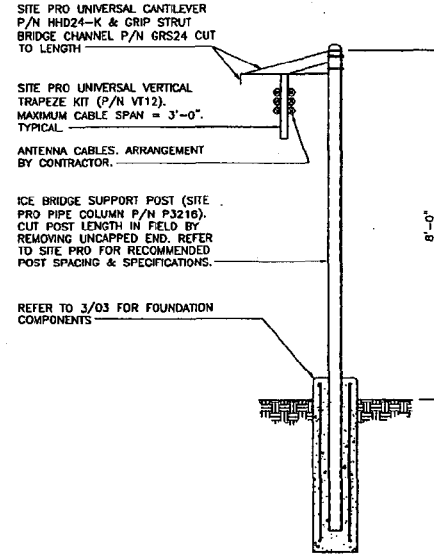


1 GROUNDING AT EQUIPMENT CABINET
SCALE: N.T.S.



- NOTES:**
- SEE SHEET 02 FOR EQUIPMENT ORIENTATION AND LOCATION.
 - EXISTING EGR. VERIFY LOCATION IN FIELD. CONTRACTOR SHALL HAND DIG AND LOCATE EXISTING EGR. IF ANY DAMAGE IS CAUSED TO EXISTING EGR, THE CONTRACTOR SHALL REPAIR THE DAMAGE AT HIS OWN COST TO THE SATISFACTION OF RESPECTIVE CELL ENGINEERS.
 - GROUNDING ELECTRODE SHALL BE 5/8" DIA. x 8'-0" L. COPPER CLAD STEEL ROD. ADJUST LOCATION OF GROUNDING ELECTRODE IF SOIL CONDITION IS NOT CONDUCTIVE (GRAVEL, SANDY SOIL, ROCKS). SPACING OF GROUNDING ELECTRODES SHALL NOT BE LESS THAN 8' O.C. ELECTRODES SHALL BE DRIVEN ONLY WITH PROPER DRIVER SLEEVE TO PREVENT MUSHROOMING TOP OF ROD. WHEN ROCK BOTTOM IS ENCOUNTERED, THE ELECTRODE SHALL BE DRIVEN AT AN OBLIQUE ANGLE NOT TO EXCEED 45° FROM THE VERTICAL AWAY FROM STRUCTURES. TOP OF GROUNDING ELECTRODE SHALL BE MIN. 3'-8" BELOW FINISH GRADE. IF IT IS IMPRACTICAL TO DRIVE THE 8'-0" GROUND ROD, CONTRACTOR SHALL INSTALL THE GROUND ROD HORIZONTALLY IN A TRENCH AWAY FROM STRUCTURE, NOT LESS THAN 36" BELOW FINISHED GRADE. UNDER NO CIRCUMSTANCES SHALL THE GROUND ROD BE CUT OR MODIFIED TO ACCOMMODATE VERTICAL INSTALLATION INTO LEDGE. REFER TO THE NEC 2005, ARTICLE #250 FOR MORE INFORMATION ON GROUNDING.

2 EQUIPMENT GROUNDING PLAN
SCALE: N.T.S.



MAXIMUM ALLOWABLE SPAN BETWEEN SUPPORTS ON A CONTINUOUS SINGLE SECTION OF BRIDGE CHANNEL SHALL BE 8 FEET FOR 10 FEET BRIDGE CHANNEL.

FOR SPlicing BRIDGE CHANNEL SECTIONS, THE SPlice SHOULD BE PROVIDED AT THE SUPPORT, IF POSSIBLE, OR AT A MAXIMUM OF 2 FEET FROM THE SUPPORT.

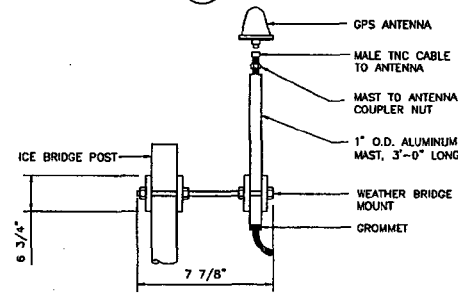
SUPPORT SHOULD BE PROVIDED AS CLOSE AS POSSIBLE TO THE ENDS OF ICE BRIDGES, WITH A MAXIMUM CANTILEVER DISTANCE OF 2 FEET FROM THE SUPPORT TO THE FREE END OF THE ICE BRIDGE.

CUT BRIDGE CHANNEL SECTIONS SHALL HAVE RAW EDGES TREATED WITH A MATERIAL TO RESTORE THESE EDGES TO THE ORIGINAL CHANNEL, OR EQUIVALENT, FINISH.

DEVIATIONS FROM STANDARDS FOR COMPONENT INSTALLATIONS ARE PERMITTED WITH THE RESPECTIVE MANUFACTURER'S APPROVAL.

DEVIATIONS FROM ICE BRIDGE FOUNDATIONS REQUIRE ENGINEERING APPROVAL.

3 ICE BRIDGE DETAIL
SCALE: N.T.S.



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

- NOTES:**
- LOCATION OF ANTENNA MUST HAVE A CLEAR VIEW OF SOUTHERN SKY AND CANNOT HAVE ANY BLOCKAGES EXCEEDING 25% OF A SURFACE AREA OF A HEMISPHERE AROUND THE GPS ANTENNA.
 - ALL GPS ANTENNA LOCATIONS MUST BE ABLE TO RECEIVE CLEAR SIGNALS FROM A MINIMUM OF 4 SATELLITES. VERIFY WITH HANDHELD GPS BEFORE FINAL LOCATION OF GPS ANTENNA.

| | | | |
|----------------|----------------|----|-------------------------|
| DESIGNED BY | JCF | | |
| DRAWN BY | BAL | | |
| CHECKED BY | | | |
| DATE | 04/23/09 | | |
| PROJECT NUMBER | PC1073/3823993 | | |
| SCALE | | | |
| REVISIONS | | | |
| NO. | DATE | BY | DESCRIPTION |
| 0 | 04/23/09 | | ISSUED FOR CONSTRUCTION |
| 1 | | | REVISED |

URS

URS CORPORATION
800 ENTERPRISE DRIVE
ROCKY HILL, CT 06007
1-800-858-8888

PROJECT NO. 04/23/09
PC1073/3823993

STATE OF CONNECTICUT
ROBERTO O. JACOBO
REGISTERED ARCHITECT
No. 579

05

HFCT15088, 80 PLANTATION ROAD
GROUNDING PLAN AND DETAILS

| PANEL SSC | | | | | | | | | | |
|------------------|------------|-----------|---------|-------|---------|-----------|------------|------------------|--|--|
| LOAD DESCRIPTION | LOAD (kVA) | BRKR SIZE | CCT NO. | PHASE | CCT NO. | BRKR SIZE | LOAD (kVA) | LOAD DESCRIPTION | | |
| | | | | A B | | | | | | |
| BTS CABINET | 2.5 | 30/2 | 1 | | 2 | 30/2 | 2.2 | BTS CABINET | | |
| | 2.5 | | 3 | | 4 | | 2.2 | | | |
| LIGHTING | 1.9 | 10/1 | 5 | | 6 | 20/1 | 0.2 | GF OUTLET | | |
| SPACE | -- | -- | 7 | | 8 | -- | -- | SPACE | | |
| SPACE | -- | -- | 9 | | 10 | -- | -- | SPACE | | |
| SPACE | -- | -- | 11 | | 12 | -- | -- | SPACE | | |
| SPACE | -- | -- | 13 | | 14 | -- | -- | SPACE | | |
| SPACE | -- | -- | 15 | | 18 | -- | -- | SPACE | | |
| SPACE | -- | -- | 17 | | 18 | -- | -- | SPACE | | |
| SPACE | -- | -- | 19 | | 20 | -- | -- | SPACE | | |
| SPACE | -- | -- | 21 | | 22 | -- | -- | SPACE | | |
| SPACE | -- | -- | 23 | | 24 | -- | -- | SPACE | | |
| LOAD SUB-TOTAL | 8.9 | | | | | | 4.6 | LOAD SUB-TOTAL | | |

100A MCB, 120/208/240V, 1φ, 3 WIRE, 65,000 AIC

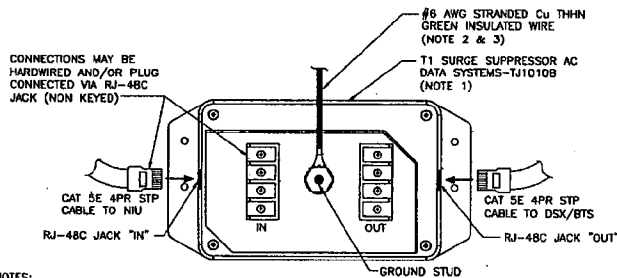
| | |
|---------------------------|----------|
| TOTAL CONNECTED LOAD | 11.5 KW |
| 25% OF LARGEST CONT. LOAD | 1.25 KW |
| TOTAL LOADS | 12.75 KW |

NOTE: ALL NON-OPTIONAL BREAKERS PROVIDED BY SSC MFR

1
08
PANEL SCHEDULE
SCALE: N.T.S.

GENERAL ELECTRIC NOTES:

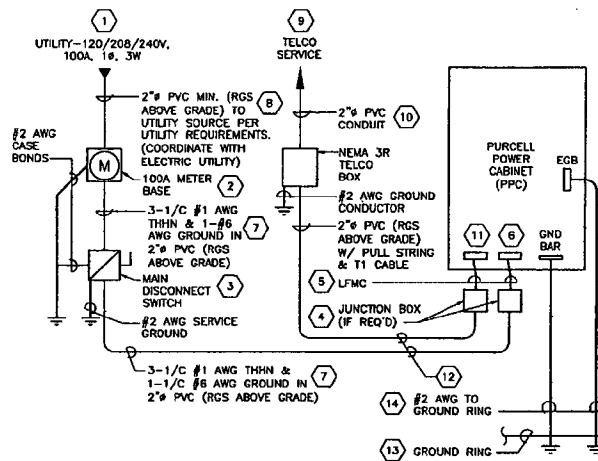
- ALL ELECTRICAL AND GROUNDING WORK SHALL BE PERFORMED IN ACCORDANCE WITH PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE LOCAL CODES.
- CONDUIT ROUTINGS ARE SCHEMATIC, CONTRACTOR SHALL VERIFY ROUTING AND LENGTHS PRIOR TO CONSTRUCTION.
- WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TELCORDIA.
- THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
- THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES, AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.



NOTES:

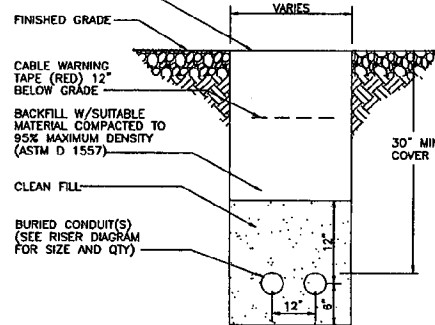
- MOUNT T1-TVSS UNIT ON EQUIPMENT FRAME HOUSING THE DSX UNIT. USE APPROPRIATE STAINLESS STEEL BOLTS WITH FLAT WASHERS AND A LOCK WASHER ON THE NUT SIDE. THE TVSS MAY BE LOCATED ON THE TELCO BACKBOARD. REFER TO MANUFACTURER'S INSTRUCTIONS.
- ATTACH RING TERMINAL FROM SUPPLIED GROUND CONDUCTOR TO TVSS GROUND STUD SECURELY FASTEN WITH SUPPLIED WASHER AND NUT. REFER TO MANUFACTURER'S INSTRUCTIONS. FOR PROPER PERFORMANCE, THE GROUND CONDUCTOR LENGTH SHOULD BE LIMITED WITH NO SHARP BENDS ON COILS.
- WHEN TVSS IS MOUNTED ON EQUIPMENT FRAME, BOND THE GROUND CONDUCTOR TO THE EQUIPMENT FRAME GROUND. ENSURE PROPER GROUNDING SURFACES. WHEN TVSS IS MOUNTED ON THE TELCO BACK BOARD, BOND THE GROUND CONDUCTOR TO THE TELCO (BOARD) GROUND BAR OR NEAREST GROUND BAR.

3
08
TVSS DETAIL
SCALE: N.T.S.



2
06
POWER, TELCO, GROUND SINGLE LINE DIAGRAM FOR OUTDOOR CABINET
SCALE: N.T.S.

GRADE MATERIAL VARIES
RESTORE GRADE MATERIAL
AS REQUIRED TO MATCH
EXISTING



ELECTRICAL/TELEPHONE TRENCH DETAIL NOTES:

- THE CLEAN FILL SHALL PASS THROUGH A 3/8" MESH SCREEN AND SHALL NOT CONTAIN SHARP STONES. OTHER BACKFILL SHALL NOT CONTAIN ASHES, CINDERS, SHELLS, FROZEN MATERIAL, LOOSE DEBRIS OR STONES LARGER THAN 2" IN MAXIMUM DIMENSION. THE TRENCH SHALL BE BACKFILLED IMMEDIATELY FOLLOWING PLACEMENT OF THE CONDUITS.
- WHERE EXISTING UTILITIES ARE LIKELY TO BE ENCOUNTERED, CONTRACTOR SHALL HAND DIG AND PROTECT EXISTING UTILITIES.

4
06
TYPICAL ELECTRICAL/ TELEPHONE TRENCH DETAIL
SCALE: N.T.S.

REFERENCE NOTES:

- ELECTRICAL DEMARCATION POINT. ELECTRICAL CONTRACTOR TO COORDINATE WITH LOCAL UTILITY COMPANY FOR SERVICE TO METER.
- CONTRACTOR TO SUPPLY AND INSTALL A 100A, 120/208/240V 1φ, 3W METER BASE. METER BASE TO BE NEMA 3R RATED AND ACCEPTABLE TO LOCAL UTILITY. PROVIDE WITH MECHANICALLY ATTACHED ENGRAVED IDENTIFICATION LABEL INDICATING "POCKET COMMUNICATIONS METER".
- CONTRACTOR TO SUPPLY AND INSTALL NEMA 3R 100A FUSIBLE DISCONNECT SWITCH WITH LOCKABLE HANDLE. PROVIDE WITH TWO (2) 100A FUSES. AIC RATING TO COORDINATE WITH LOCAL UTILITY REQUIREMENTS. PROVIDE WITH MECHANICALLY ATTACHED ENGRAVED IDENTIFICATION LABEL INDICATING "POCKET COMMUNICATIONS SERVICE DISCONNECT".
- WEATHER TIGHT NEMA 3R JUNCTION BOX (IF REQUIRED). SIZE TO NEC CODE FOR APPLICATION.
- LIQUID TIGHT FLEXIBLE METALLIC CONDUIT W/ WEATHER TIGHT FITTINGS AND SUPPORTS. SIZE AND CONDITIONS TO MATCH ASSOCIATED USE (POWER OR TELCO) SEE NOTE #5 BELOW.
- UTILITY POWER ENTRY INTO CABINET. COORDINATE TERMINATION WITH CABINET MANUFACTURER.
- CONTRACTOR SHALL SUPPLY AND INSTALL 2" GRC. AFG AND PVC 3/8" BFG C/W 3-#1 & 1-#6 AWG THHN FOR UTILITY SERVICE.
- CONTRACTOR SHALL SUPPLY AND INSTALL 2" GRC. AFG AND PVC 3/8" BFG C/W 3-#1 & 1-#6 AWG THHN FOR UTILITY SERVICE.
- TELCO DEMARCATION POINT. ELECTRICAL CONTRACTOR TO COORDINATE WITH LOCAL TELCO FOR SERVICE TO TELCO BOX OR CABINET.
- CONTRACTOR TO SUPPLY AND INSTALL (1) 2" GRC AFG AND PVC 3/8" BFG C/W PULL CORDS FOR TELCO SERVICE TO CABINET TERMINATION POINT.
- TELCO SERVICE ENTRY INTO CABINET. COORDINATE TERMINATION WITH CABINET MANUFACTURER.
- CONTRACTOR TO ARRANGE AND PAY FOR UNDERGROUND UTILITY LOCATION SURVEYS FOR ALL TRENCHING. REUSE NATIVE BACKFILL AND RE-INSTATE TO ORIGINAL CONDITION. INSTALL 6" WIDE METALLIC LINED RED PLASTIC MARK TAPE 12" BELOW GRADE.
- PORTION OF EXTERIOR GROUND RING
- (1) #2 SOLID BARE TINNED COPPER EQUIPMENT GROUND CONDUCTOR BONDED TO 5/8" #6 COPPER CLAD STEEL GROUNDING ELECTRODES. LOCATE GROUNDING ELECTRODE ADJACENT TO CABINET. BOND GROUNDING ELECTRODE SYSTEM TO CABINET GROUND RING.

NOTES:

- CONTRACTOR SHALL PROVIDE 100 AMP, SINGLE PHASE, 120/208/240 VAC, 60 HZ ELECTRIC SERVICE FOR SITE.
- CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY BEFORE THE START OF CONSTRUCTION. POWER AND TELCO CONDUIT SHALL BE PROVIDED AND INSTALLED PER UTILITY REQUIREMENTS.
- FOR COMPLETE INTERNAL WIRING AND ARRANGEMENT REFER TO DRAWINGS PROVIDED BY AC OR TELCO PANEL MANUFACTURER.
- ALL SERVICE EQUIPMENT AND INSTALLATIONS SHALL COMPLY WITH THE N.E.C. AND UTILITY COMPANY AND LOCAL CODE REQUIREMENTS.
- CONTRACTOR SHALL INSTALL SUFFICIENT LENGTHS OF LFMC (NOT EXCEEDING 8'-0") INCLUDING ALL CONDUIT FITTINGS (NUTS, REDUCING BUSHINGS, ELBOWS, COUPLINGS, ETC.) NECESSARY FOR CONNECTION FROM IMC CONDUIT TO THE PURCELL POWER CABINET, (PPC).
- CONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE EQUIPMENT WITH FAULT CURRENT RATING GREATER THAN THE AVAILABLE FAULT CURRENT FROM THE POWER UTILITY.
- CONTRACTOR SHALL VERIFY THAT THE MAIN BONDING JUMPER AND GROUNDING ELECTRODE CONDUCTOR IS INSTALLED PROPERLY IN MAIN DISCONNECT SWITCH.



HFC115068, 50 PLANTATION ROAD
 ELECTRICAL DETAILS
 SHEET 06
 DATE 04/27/09
 REVISIONS

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URS
 URS CORPORATION
 200 ENTERPRISE DRIVE
 ROCKY HILL, CT 06067
 860-514-2000

DESIGNED BY: JCF
 DRAWN BY: BAL
 DATE: 04/23/09
 USER: JON HANSEN
 PROJECT: FC1073/36923593
 DRAWING NUMBER:

06

Exhibit C

Equipment Specifications

Pocket Site HFCT1508B

50 Plantation Road

East Windsor, Connecticut



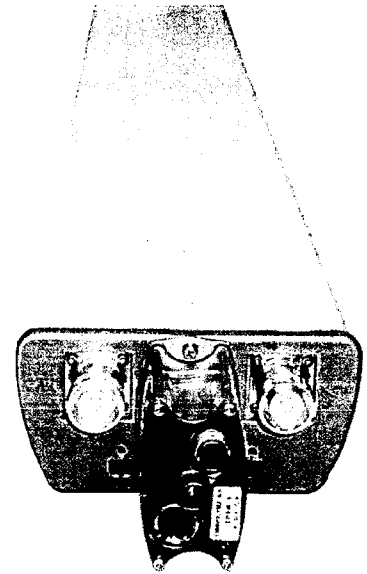
Optimizer® Panel Dual Polarized Antenna equipped with AISG 2.0 ACU motor

Product Description

This X-Polarized variable tilt antenna provides exceptional suppression of all upper sidelobes at all downtilt angles. It also features a wide downtilt range. This antenna is optimized for performance across the entire AWS frequency band (1710-2155 MHz). The antenna comes pre-connected with one antenna control unit (ACU).

Features/Benefits

- **Variable electrical downtilt - provides enhanced precision in controlling intercell interference. The tilt is infield adjustable 0-10 deg.**
- **High Suppression of all Upper Sidelobes (Typically <-18dB).**
- **Gain tracking – difference between AWS UL (1710-1755 MHz) and DL (2110-2155 MHz) <1dB.**
- **Azimuth horizontal beamwidth difference <6deg between AWS UL (1710-1755 MHz) and DL (2110-2155 MHz)**
- **Low profile for low visual impact.**
- **Dual polarization; Broadband design.**
- **Includes AISG 2.0 Compatible ACU-A20-N antenna control unit**



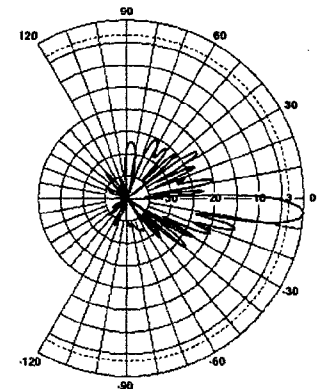
Technical Specifications

Electrical Specifications

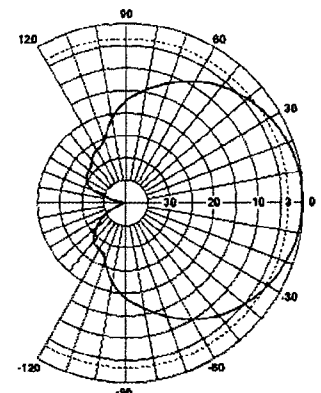
| | |
|------------------------------------|----------------------|
| Frequency Range, MHz | 1710-2170 |
| Antenna Type | Panel Dual Polarized |
| Electrical Down Tilt Option | Variable |
| Gain, dBi (dBd) | 18.4 (16.3) |
| Electrical Downtilt, deg | 0-10 , 0-10 |
| Horizontal Beamwidth, deg | 65 |
| VSWR | < 1.5:1 |
| Vertical Beamwidth, deg | 5.9 to 7.7 |
| 1st Upper Sidelobe Suppression, dB | > 18 |
| Upper Sidelobe Suppression, dB | > 18 all |
| Polarization | Dual pol +/-45° |
| Front-To-Back Ratio, dB | >26 (typically 28) |
| Maximum Power Input, W | 300 |
| Isolation between Ports, dB | > 30 |
| Lightning Protection | Direct Ground |
| 3rd Order IMP @ 2 x 43 dBm, dBc | > 150 (155 Typical) |

Mechanical Specifications

| | |
|--|--------------------------------------|
| Rated Wind Speed, km/h (mph) | 160 (100) |
| Survival Wind Speed, km/h (mph) | 200 (125) |
| Max Wind Loading Area, m ² (ft ²) | 0.29 (2.9) |
| Maximum Thrust @ Rated Wind, N (lbf) | 380 (185) |
| Front Thrust @ Rated Wind, N (lbf) | 380 (185) |
| Reflector Material | Aluminum |
| Radiating Element Material | Brass |
| Radome Material | Fiberglass |
| Connector Type | (2) 7-16 DIN Female |
| Connector Location | Bottom |
| Mount Type | Downtilt |
| Mounting Hardware | APM40-2 |
| Weight w/o Mtg Hardware, kg (lb) | 8.5 (18.7) |
| Packing Dimensions, HxVxD, mm (in) | 1439 x 237 x 260 (56.6 x 9.3 x 10.3) |
| Dimensions - HxWxD, mm (in) | 1349 x 175 x 80 (53.1 x 6.9 x 3.15) |
| Shipping Weight, kg (lb) | 14.5 (31.9) |



Vertical Pattern



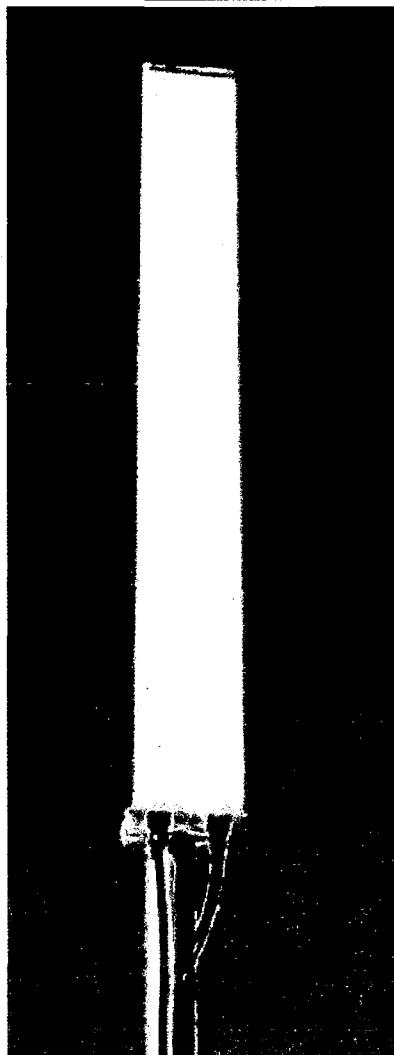
Horizontal Pattern

All information contained in the present datasheet is subject to confirmation at time of ordering.



Product Description

This variable tilt antenna provides exceptional suppression of all upper sidelobes at all downtilt angles. It also features null fill and a wide downtilt range with optional remote tilt.



Features/Benefits

- Variable electrical downtilt - provides enhanced precision in controlling intercell interference. The tilt is infield adjustable 0-10 deg.
- High Suppression of all Upper Sidelobes (Typically <-20dB).
- Optional remote tilt - can be retrofitted.
- Broadband design.
- Dual polarization.
- Low profile for low visual impact.

Technical Features

| | |
|-----------------------------|---|
| Frequency Band | 3G/UMTS (Single, Broad, Dual and Triple-Band) |
| Horizontal Pattern | Directional |
| Antenna Type | Panel Dual Polarized |
| Electrical Down Tilt Option | Variable |

| | | |
|-----------------------|------------------|------------------------|
| RFS The Clear Choice™ | APXV18-206517S-C | Print Date: 02.09.2008 |
|-----------------------|------------------|------------------------|

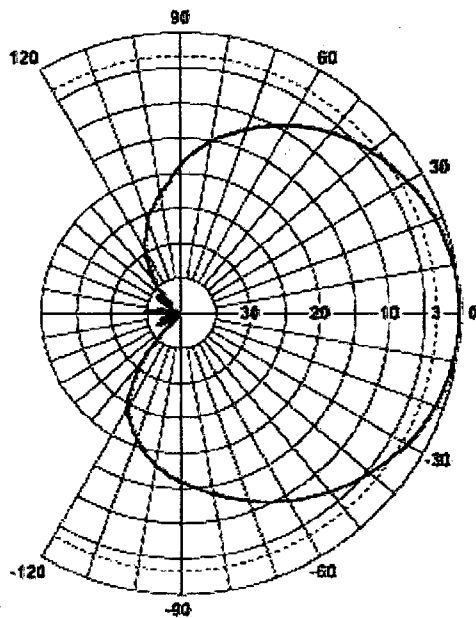
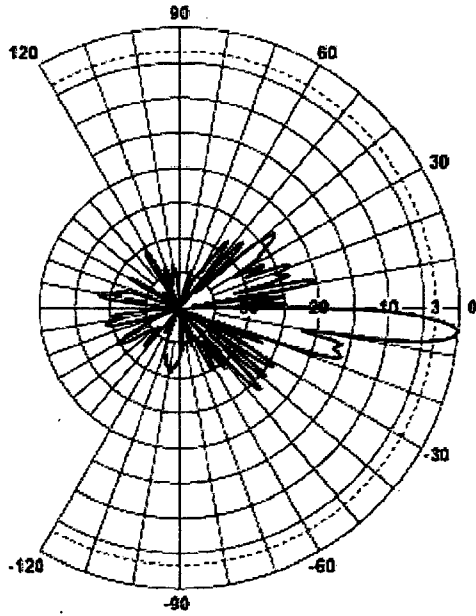


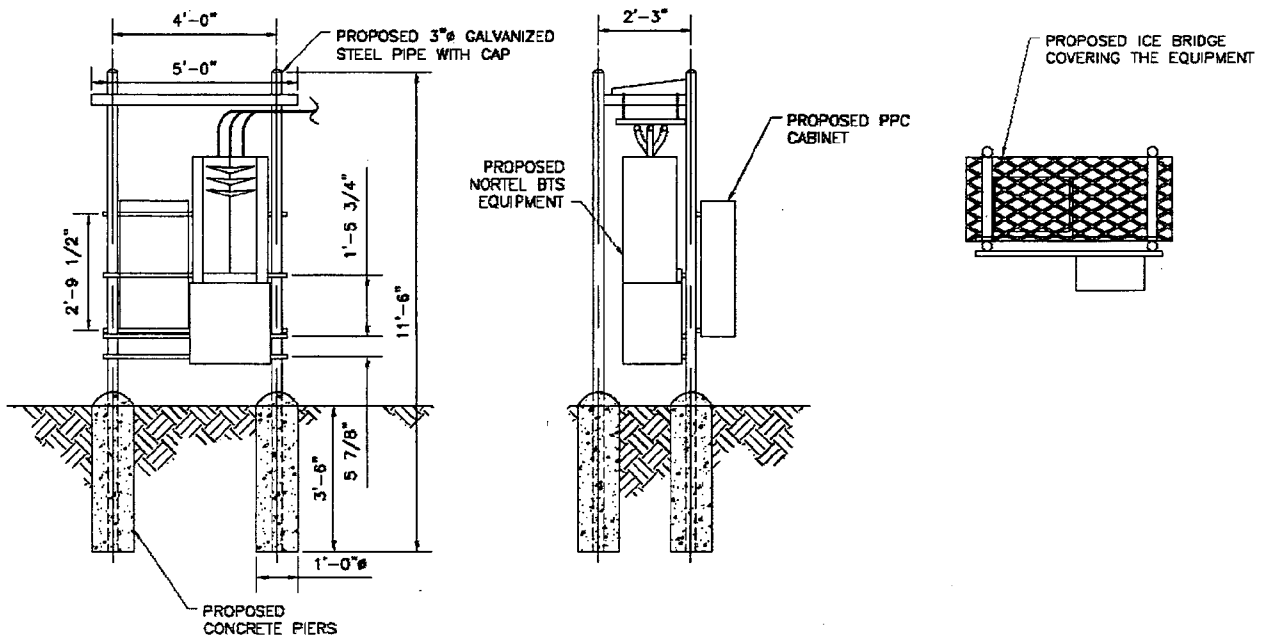
| | |
|--|--------------------------------------|
| Gain, dBi (dBd) | 18.8 (16.7) , 19.0 (16.9) |
| Frequency Range, MHz | 1710-1900, 1900-2170 |
| Connector Type | (2) 7-16 DIN Female |
| Connector Location | Bottom |
| Mount Type | Downtilt |
| Electrical Downtilt, deg | 0-10 |
| Horizontal Beamwidth, deg | 67 , 63 |
| Mounting Hardware | APM40-2 |
| Rated Wind Speed, km/h (mph) | 160 (100) |
| VSWR | < 1.5:1 |
| Vertical Beamwidth, deg | 5.0 , 4.6 |
| Upper Sidelobe Suppression, dB | >17 , >18 all (Typically >20) |
| Polarization | Dual pol +/-45° |
| Front-To-Back Ratio, dB | >30 |
| Maximum Power Input, W | 300 |
| Isolation between Ports, dB | >30 |
| Lightning Protection | Direct Ground |
| 3rd Order IMP @ 2 x 43 dBm, dBc | >150 |
| 7th Order IMP @ 2x46 dBm, dBc | >170 |
| Impedance, Ohms | 50 |
| Overall Length, m (ft) | 1.85 (6.06) |
| Mounting Hardware Weight, kg (lb) | 3.4 (7.5) |
| Dimensions - HxWxD, mm (in) | 1850 x 175 x 80 (72.0 x 6.8 x 3.15) |
| Weight w/o Mtg Hardware, kg (lb) | 12 (26.4) |
| Weight w/ Mtg Hardware, kg (lb) | 14.8 (32.5) |
| Radiating Element Material | Brass |
| Radome Color | Light Grey RAL7035 |
| Radome Material | Fiberglass |
| Mounting Hardware Material | Diecasted Aluminum |
| Reflector Material | Aluminum |
| Max Wind Loading Area, m ² (ft ²) | 0.31 (3.3) |
| Survival Wind Speed, km/h (mph) | 200 (125) |
| Maximum Thrust @ Rated Wind, N (lbf) | 558 (125) |
| Front Thrust @ Rated Wind, N (lbf) | 558 (125) |
| Shipping Weight, kg (lb) | 18.3 (39.8) |
| Packing Dimensions, HxWxD, mm (in) | 2021 x 260 x 200 (79.5 x 10.2 x 7.8) |
| Packing Dimensions - HxWxD, m (ft) | 2.0 x 0.26 x 0.2 (6.6 x 0.85 x 0.65) |

Notes

For additional mounting information please click "External Document Link" below.

| | | |
|-----------------------|------------------|------------------------|
| RFS The Clear Choice™ | APXV18-206517S-C | Print Date: 02.09.2008 |
|-----------------------|------------------|------------------------|





Pocket/Youghiogheny Communications - Northeast, LLC
 Rack Detail



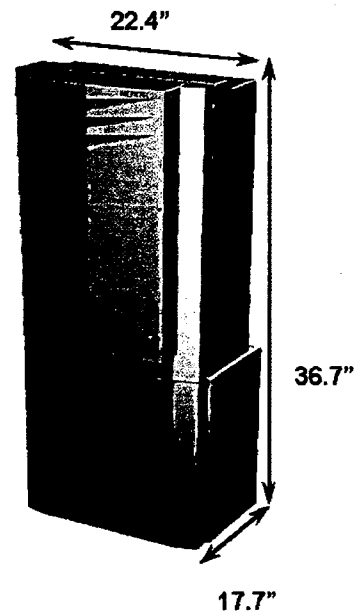
CDMA BTS 3231 AWS 1.7/2.1 GHz (Outdoor/Indoor)

to transport to hard to reach locations such as the top of a high rise building.

CDMA BTS 3231

Industry's Highest Capacity AWS Micro BTS

The CDMA BTS 3231 is the latest extension to Nortel Networks BTS (Base Transceiver Station) portfolio providing the ideal solution for urban, sub-urban and rural deployments. The CDMA BTS 3231 is a 3-carrier, 3-sector outdoor/indoor BTS operating at the AWS band of 1.7/2.1 GHz supporting IS-95, 1XRTT and 1xEV-DO simultaneously. BTS 3231 provides flexible deployments solutions including floor, rack, and wall mount options. The power consumption of BTS3231 is industry leading consuming only 630W for 3C3S. The BTS 3231 is also very light at 240lbs making it easy





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• **GLOSSARY**

MLG15 Lite Generator Interim Tier IV EPA Approved Engine

Magnum recognizes environmental responsibility and continues to meet emission regulations with the addition of their Interim Tier IV Generator line. The MLG15 generator is powered by a Mitsubishi diesel engine. Proven power you can trust, while maximizing fuel efficiency and high performance.

Affordable, Reliable, Mobile



More Information

Manuals

- [Operating & Parts](#)

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Power

The MLG15 diesel generator provides just the right combination of output, flexibility, ruggedness, efficiency and affordability for on-the-go, smaller-to-midsized, single phase power needs.

updated parts information before placing a parts order.

Features

Tough

- Full tubular steel frame, with lockable enclosure
- Durable, fade resistant, white baked on powder coat finish
- Stainless steel hinges, exterior hardware and pad lockable door latches

Tech. Specs.

- [MLG15](#)

Literature / Sales

- [Generator Lit.](#)
- [Service Kit Lit.](#)
- [Sales Support](#)

Reliable

- Key switch to preheat (glow plug), start & stop
- Automatic low oil level / high temp shutdown alerts
- 70A Start limit main breaker
- 2 year - 2,000 hour warranty
- Marathon voltage regulation within +/- 1%



- [Warranty Overview](#)
- [Warranty Claim Policy](#)

Ease for Your Users

- Self-priming 4 cylinder Mitsubishi engine
- External convenience outlets with individual breaker switches
- External emergency stop switch

Specifications

Output

| | |
|---|---------------------------------------|
| 3 Phase - Standby kW (kVA) | N/A |
| Amps 480V (208V) | N/A |
| 3 Phase - Prime kW (kVA) | N/A |
| Amps 480V (208V) | N/A |
| 1 Phase - Standby kW (kVA) | 14.0 (14.0) |
| Amps 240V | 58 |
| 1 Phase - Prime kW (kVA) | 13.0 (13.0) |
| Amps 240V | 54 |
| AC Voltage 1-phase | 120, 240 |
| AC Voltage 3-phase | N/A |
| Frequency Hz | 60 |
| Power Factor | 1.0 (1 Phase) |
| Generator - Brand / Type / Insulation | Marathon / Brushless / F |
| Sound (dB(A) 23 ft @ prime) | 68 |
| Size and Weight | |
| Skid Mounted - L x W x H in (m) | N/A |
| Dry Weight lbs (kg) | N/A |
| Operating Weight lbs (kg) | N/A |
| Trailer Mounted - L x W x H in (m) | 105 x 67 x 56 (2.67 x 1.70 x 1.42) |
| Dry Weight lbs (kg) | 1425 (646) |

| | |
|---|---|
| Operating Weight lbs (kg) | 1823 (827) |
| Engine | |
| Type | Interim Tier IV |
| Brand | Mitsubishi |
| Aspiration | Natural |
| Power - Prime @ 1800 rpm hp (kWm) | 22.3 (16.6) |
| Displacement cubic in (L) | 107 (1.8) |
| Cylinders | 4 |
| Speed rpm | 1800 |
| Fuel Consumption - Prime gph (Lph) | 1.30 (4.92) |
| Capacities | |
| Fuel Tank gal (L) | 56 (212) |
| Approximate Run Time hrs | 43 |
| Coolant qt (L) | 11.6 (11.0) |
| Electrical Distribution | |
| Battery - 12V | 1 - 12V 440 CCA Wet Cell |
| Main Circuit Breaker Size A | 70 |
| Voltage Selection | N/A |
| Voltage Regulation | +/-1% |
| 120V - 20A GFI Duplex Outlets - qty | 2 |
| 240V - 30A Twist Lock Outlets - qty | 2 |
| 240V - 50A Twist Lock Outlets - qty | 2 |
| Trailer | |
| Number of Axles | 1 |
| Capacity - Axle Rating lbs (kg) | 2200 (998) |
| Tire Size in | 15 |
| Brakes | N/A |
| Hitch | 2" Ball |
| Maximum Tire Pressure psi | 50 |
| Options | |
| Powertrain (Engine/Gen) | <ul style="list-style-type: none"> • 60/40 Coolant • Heated Fuel Filter • Engine Heater - Lower Radiator Hose • Oil Drain Valve Kit |
| Controls | <ul style="list-style-type: none"> • Battery, 720 CCA Gel Cell • Battery, 720 CCA Wet Cell • Battery, 685 CCA Gel Cell • No Battery • Battery Disconnect, Lockable • Battery Charger, 2 Amp • Alternative Outlet Panel Options (Consult factory for details) |

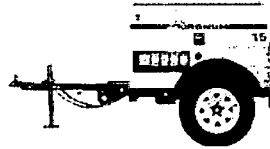
Cabinet/Fuel Tank

- Interior Cabinet Light
- Level Indicator
- 56 Gallon Fuel Tank
- Fuel Tank Cap - Vent w/ Lanyard
- Spare Tire & Carrier
- Lift Structure
- Liquid Containment/Quiet Pack

Trailer

- Tube & Sleeve Jack
- Combo Hitch - 2.5" Ring/2" Ball
- 2.5" Ring
- 3" Ring
- 3" Ring (1.625 TH)
- Plug Adapter, 4 Flat to 6 Round
- Plug Adapter, 4 Flat to 7 Pin
- Plug Adapter, 4 Flat to 7 Round Spade
- Outrigger Package

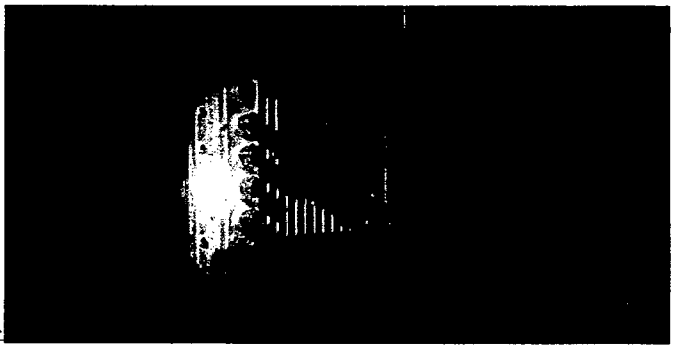
Product Images (click small image to pop-up larger version)



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EX-5r Series



All-Outdoor, Carrier-Class, Tri-Band 5 GHz TDD Radio System for Low, Medium and High Capacity Ethernet and TDM Applications

The EX-5r series of all-outdoor digital microwave radios is the first family of carrier-class, tri-band TDD radios available in the 5.2 – 5.8 GHz license-exempt bands. Radios in the EX-5r line support capacities ranging from 27 Mbps to an industry-leading 440 Mbps of aggregate user throughput, from zero to four T1/E1s and both 100BaseT and GbE interfaces. Featuring native TDM and native Ethernet transport and full software configurability and upgradeability, the EX-5r series was designed to meet demanding backhaul requirements of enterprise organizations and service providers seeking the performance benefits of an all-outdoor configuration.

Carrier-class TDD. The EX-5r series radios combine native TDM and native Ethernet transport with low, fixed latency to deliver guaranteed throughput and service quality. Capacity can be allocated variably between TDM and Ethernet via software, while the selectable throughput symmetry control feature enables radio capacity to efficiently match asymmetric traffic requirements.

Industry-leading Spectrum Management. The EX-5r radios include selectable channel bandwidth and 1 MHz tuning resolution,

yielding up to 54 non-overlapping frequency channels and up to 415 center frequencies of operation. These capabilities, combined with selectable modulation and superior system gain, provide unparalleled interference avoidance and transmission resiliency. A built-in spectrum analyzer is even included to accelerate deployment and simplify troubleshooting.

ExaltSync Synchronization. The ExaltSync technology embedded in the EX-5r series radios allows multiple radio systems to be collocated in close proximity without self-interference, minimizing antenna separation and ensuring reuse of scarce spectrum across all collocated systems.

Security, Management and Data Networking. The EX-5r radios deliver the highest data and management security available with optional 128- and 256-bit AES encryption and secure SNMP v3 management, together with enhanced fault management and diagnostic features. The 802.1Q VLAN option provides built-in network administration and security flexibility.

EX-5r series radios are available in both integrated antenna and external antenna (connectorized) versions.



| Primary Specifications | | EX-5r Lite / EX-5r-c Lite | EX-5r v3 / EX-5r-c v2 | EX-5r GigE / EX-5r-c GigE |
|-------------------------------|----------------------|---|-----------------------|---------------------------|
| Maximum Capacity ¹ | TDM | | 4xT1/E1 | |
| | Ethernet (Aggregate) | 100 Mbps | 200 Mbps | 440 Mbps |
| Frequency (GHz) | | Tri-band: 5.250-5.350, 5.470-5.725, 5.725-5.850 | | |
| Range ² | | > 30 miles at 99.999% throughput availability | | |

¹ Please refer to the Exalt Throughput and Range Specification document for detailed capacity information.

² Distance based upon FCC regulations, average climate and terrain, 6' dish antennas, 3 dB transmission system losses at each end. Longer or shorter distances will apply for alternative antennas, country regulations, transmission system losses, path topologies and radio configurations. See Exalt's link budget and path planning tool to model your scenario.

| Specifications | | | | | EX-5r Series |
|---|--|--------|--------|-----|--|
| System | | | | | System (continued) |
| Frequency Bands*(GHz) | 5.250-5.350, 5.470-5.725, 5.725-5.850 | | | | Link Security |
| Tuning Resolution | 1 MHz | | | | 96-bit proprietary encryption 128-bit and 256-bit AES encryption ³ |
| Output Power (full power) | | | | | Spectrum Analyzer |
| 5725-5850 MHz band | +24 dBm QPSK,+21 dBm 16QAM | | | | Embedded |
| 5250-5350 MHz band ² | +13 dBm | | | | VLAN |
| 5470-5725 MHz band ² | +13 dBm | | | | 802.1Q |
| Output Power (min power) | Full power minus 20 dB | | | | QoS |
| Power Control Step Size | 0.5 dB | | | | 802.1p (GigE) |
| Receiver Threshold (BER=10⁻⁴) | | | | | Management |
| 8 MHz | 16 MHz | 32 MHz | 64 MHz | | HTTP GUI |
| QPSK | -86 | -83 | -80 | -77 | CLI/Telnet |
| 16QAM | -78 | -75 | -72 | -69 | SNMP v1, 2c, v3 |
| Non-overlapping Channels | | | | | Compliance |
| 5.250-5.350 GHz | 10 | 5 | 2 | 1 | FCC 15.247, FCC 15.407 |
| 5.470-5.725 GHz | 29 | 14 | 7 | 3 | EN 301-893, EN 302-502 |
| 5.725-5.850 GHz | 15 | 7 | 3 | 1 | EN 60-950, EN 301-489 |
| Maximum RSL | -25 dBm error-free 0 dBm no damage | | | | IC RSS-210 |
| Throughput Symmetry Control | 5 modes 20/80, 80/20, 35/65, 65/35, 50/50 | | | | System Components |
| Error Floor | 10 ⁻¹² | | | | Complete Link |
| Latency (T1/E1) | 1ms, typical | | | | Two terminals, each with AC adapter & accessory kit |
| Maximum Packet Size | All 1916 bytes except GigE 9728 bytes | | | | Single Terminal |
| | | | | | One terminal with AC adapter & accessory kit |
| | | | | | Accessory Kit |
| | | | | | DC power connector, rack and grounding hardware (spare) |
| | | | | | AC Adapter |
| | | | | | AC adapter (spare) |
| | | | | | Mounting Kits |
| | | | | | Available for each product (spare) |
| | | | | | ExaltSync GPS Sync Kit |
| | | | | | GPS receiver and mounting bracket (optional) |

| Specifications | EX-5r Lite | EX-5r-c Lite | EX-5r v3 | EX-5r-c v2 | EX-5r GigE | EX-5r-c GigE |
|-------------------------------|--|--|--|---|--|--|
| Physical | | | | | | |
| Physical Configuration | Outdoor Unit (ODU) | | | | | |
| Dimensions (H x W x D) | 14 x 14 x 3.8 in 35.6 x 35.6 x 9.7 cm | 14 x 14 x 2.5 in 35.6 x 35.6 x 6.4 cm | 14 x 14 x 3.8 in 35.6 x 35.6 x 9.7 cm | 14 x 14 x 2.5 in 35.6 x 35.6 x 6.4 cm | 14 x 14 x 3.8 in 35.6 x 35.6 x 9.7 cm | 14 x 14 x 2.5 in 35.6 x 35.6 x 6.4 cm |
| Antenna | Integrated | 2x Type-N (F) Connector | Integrated | 2x Type-N (F) Connector | Integrated | 2x Type-N (F) Connector |
| Integrated Antenna | | | | | | |
| Gain/3 dB Beamwidth | 23 dBi / 9 degrees | - | 23 dBi / 9 degrees | - | 23 dBi / 9 degrees | - |
| Operating Temperature | -40 to +65 °C; -40 to +149 °F | | | | | |
| Full Spec Temperature | -40 to +60 °C; -40 to +140 °F | | | | | |
| Weight | 14 lbs/6.4 kg | 12 lbs/5.5 kg | 14 lbs/6.4 kg | 12 lbs/5.5 kg | 14 lbs/6.4 kg | 12 lbs/5.5 kg |
| Environmental | NEMA 4/IP56 | | | | | |
| Altitude | 15,000 ft, 4.6 km | | | | | |
| Humidity | 100% condensing | | | | | |
| Interfaces | | | | | | |
| RF | - | 2x N-type (F), 50 ohm | - | 2x N-type (F), 50 ohm | - | 2x N-type (F), 50 ohm |
| TDM T1/E1 Interfaces | RJ48C/RJ45 (F) (x4) | | | | | |
| T1 Impedance | 100 ohms, balanced | | | | | |
| T1 Line Code | AMI, B8ZS, selectable per channel | | | | | |
| T1 Data Rate | 1.544 Mbps | | | | | |
| T1 Compliance | ANSI T1.102-1987; ITU-T; G.823; GR-499-CORE | | | | | |
| E1 Impedance | 120 ohms, balanced | | | | | |
| E1 Line Code | HDB3 | | | | | |
| E1 Data Rate | 2.048 Mbps | | | | | |
| E1 Compliance | CEPT-1; G.703; ITU-T-G.703 | | | | | |
| Loopback Modes | Remote Internal; Remote External; Local Line | | | | | |
| Ethernet | RJ45 (F) | | | | | |
| Interface Speed | 10/100BaseT (POE) | | | RJ45 Female (x2) 10/100/1000BaseT (1xPOE) | | |
| Duplex | Half, Full, Auto-MDIX | | | Half, Full, Auto-MDIX | | |
| Compliance | 802.3 | | | 802.3 | | |
| ExaltSync Synchronization | RJ45 (F) Input: 1pps (GPS) | | | RJ45 Female (x2) Input: 1pps (GPS); Output: Sync out | | |
| DC Power | 48VDC, <50W | | | 48VDC, <70W | | |
| AC Power Adapter | | | | | | |
| Input | 100-240VAC, 1.5A | | | | | |
| Output | 48VDC, 1.5A, 72W (via power injector) | | | 48VDC, 2.08A, 100W (via power injector) | | |

¹ Not all frequency bands are authorized or available for use in all countries.

² +24 dBm output power available in EX-5r v3 and EX-5r Lite. Consult Exalt for availability in other models.

³ Software license key upgrade.

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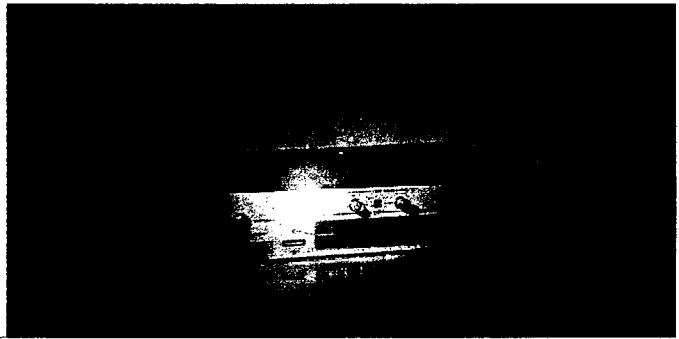
World Headquarters
Exalt Communications Inc.
580 Division Street
Campbell, CA 95008 USA

Phone: +1 (408) 871-1804
Toll free: (888) 91EXALT
sales@exaltcom.com

www.exaltcom.com



EX-5i Series



All-Indoor, Carrier-Class, Tri-Band 5 GHz TDD Radio Systems for Low, Medium and High Capacity Ethernet and TDM Applications

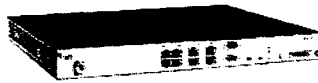
The EX-5i series of all-indoor digital microwave radios is the first family of carrier-class, tri-band TDD radios available in the 5.2 – 5.8 GHz license-exempt bands. The EX-5i line delivers up to 216 Mbps of aggregate user throughput and up to sixteen T1/E1s plus one DS3. Featuring native TDM and native Ethernet transport and full software configurability and upgradeability, the EX-5i series was designed to meet demanding backhaul requirements of enterprise organizations and service providers seeking the accessibility benefits of an all-indoor configuration.

Carrier-class TDD. The EX-5i series radios combine native TDM and native Ethernet transport with low, fixed latency to deliver guaranteed throughput and service quality. Capacity can be allocated variably between TDM and Ethernet via software, while the selectable throughput symmetry control feature enables radio capacity to efficiently match asymmetric traffic requirements. Optional 1+1 monitored hot standby (MHS) protection provides full hardware redundancy.

Industry-leading Spectrum Management. The EX-5i radios include selectable channel bandwidth and 1 MHz tuning resolution, yielding up to 54 non-overlapping frequency channels and up to 415 center frequencies of operation. These capabilities, combined with selectable modulation and superior system gain, provide unparalleled interference avoidance and transmission resiliency. A built-in spectrum analyzer is even included to accelerate deployment and simplify troubleshooting.

ExaltSync™ Synchronization. The ExaltSync technology embedded in the EX-5i series radios allows multiple radio systems to be collocated in close proximity without self-interference, minimizing antenna separation and ensuring reuse of scarce spectrum across all collocated systems.

Security, Management and Data Networking. The EX-5i radios deliver the highest data and management security available with optional 128- and 256-bit AES encryption and secure SNMP v3 management, together with enhanced fault management and diagnostic features. The 802.1Q VLAN option provides built-in network administration and security flexibility.



| Primary Specifications | | EX-5i Lite | EX-5i | EX-5i-16 | EX-5i-DS3 |
|-------------------------------|----------------------|---|-------|----------|-----------------|
| Maximum Capacity ¹ | TDM | 4xT1/E1 | | 16xT1/E1 | 16xT1/E1; 1xDS3 |
| | Ethernet (Aggregate) | 100 Mbps | | 200 Mbps | |
| Frequency (GHz) | | Tri-band: 5.250-5.350, 5.470-5.725, 5.725-5.850 | | | |
| Range ² | | > 30 miles at 99.999% throughput availability | | | |

¹ Please refer to the Exalt Throughput and Range Specification document for detailed capacity information.

² Distance based upon FCC regulations, average climate and terrain, 6' dish antennas, 3 dB transmission system losses at each end. Longer or shorter distances will apply for alternative antennas, country regulations, transmission system losses, path topologies and radio configurations. See Exalt's path planning tool to model your scenario.

| Specifications | EX-5i Series | Specifications | EX-5i Lite | EX-5i | EX-5i-16 | EX-5i-DS3 |
|--|---|---------------------------|------------|--|----------|--|
| System | | Physical | | | | |
| Frequency Bands ¹ (GHz) | 5.250-5.350 5.470-5.725 5.725-5.850 | Dimensions (H x W x D) | | 1RU 1.75 x 17 x 14 in 4.5 x 43.2 x 35.6 cm | | 1.5RU 2.63 x 17 x 14 in 6.7 x 43.2 x 35.6 cm |
| Tuning Resolution | 1 MHz | Physical Configuration | | Single-piece Indoor Unit (IDU) | | |
| Output Power (full power) | | Operating Temperature | | -40 to +65 °C -40 to +149 °F | | |
| 5725-5850 MHz band ² | +24 dBm QPSK; +21 dBm 16QAM | Full Spec Temperature | | -25 to +60 °C -13 to +140 °F | | |
| 5250-5350 MHz band ² | +13 dBm | Weight | | 9.5 lbs / 4.3 kg | | 12 lbs / 5.5 kg |
| 5470-5725 MHz band ² | +13 dBm | Environmental | | GR-1089-CORE intra-building | | |
| Output Power (min power) | Full power minus 20 dB | Altitude | | 15,000 ft; 4.6 km | | |
| Power Control Step Size | 0.5 dB | Humidity | | 95% non-condensing | | |
| Receiver Threshold (BER=10 ⁻⁴) | 8 MHz 16 MHz 32 MHz 64 MHz ² | Interfaces | | | | |
| QPSK | -86 -83 -80 -77 | RF | | N-type(F), impedance 50 ohm | | |
| 16QAM | -78 -75 -72 -69 | TDM T1/E1 Interfaces | | RJ48C/RJ45 (F) (x4) | | RJ48C/RJ45 (F) (x16) |
| Non-overlapping Channels | | T1 Impedance | | 100 ohms, balanced | | |
| 5.250-5.350 GHz | 10 5 2 1 | T1 Line Code | | AMI, B8ZS, selectable per channel | | |
| 5.470-5.725 GHz | 29 14 7 3 | T1 Data Rate | | 1.544 Mbps | | |
| 5.725-5.850 GHz | 15 7 3 1 | T1 Compliance | | ANSI T1.102-1987; ITU-T; G.823; GR-499-CORE | | |
| Maximum RSL (QPSK) | -25 dBm error-free 0 dBm no damage | E1 Impedance | | 120 ohms, balanced | | |
| Throughput Symmetry Control | 5 modes 20/80, 80/20, 35/65, 65/35, 50/50 | E1 Line Code | | HDB3 | | |
| Error Floor | 10 ⁻¹² | E1 Data Rate | | 2.048 Mbps | | |
| Latency (T1/E1) | 1ms, typical | E1 Compliance | | CEPT-1; G.703; ITU-T-G.703 | | |
| Link Security | 96-bit proprietary encryption 128-bit and 256-bit AES encryption ³ | DS3 Impedance | | - BNC (F) (2x) 75 ohms, unbalanced | | |
| VLAN | 802.1Q | DS3 Line Code | | - B3ZS | | |
| Management | HTTP GUI CLI/Telnet SNMP v1, 2c, v3 | DS3 Data Rate | | - 44.736 Mbps | | |
| Compliance | FCC 15.247, FCC 15.407 EN 301-893, EN 302-502 EN 60-950, EN 301-489, IC RSS-210 | DS3 Compliance | | -ANSI T1.102-1993; GR-499-CORE | | |
| System Components | | Loopback Modes | | Remote Internal; Remote External; Local Line | | |
| Complete Link ⁴ | Two terminals, each with AC adapter and accessory kit | Ethernet | | RJ45 (F) (x2), auto-MDIX | | |
| Single terminal | One terminal with AC adapter and accessory kit | Interface Speed | | 10/100BaseT | | |
| Accessory Kit | DC power connector, rack and grounding hardware (spare) | Duplex | | Half, Full, Auto | | |
| AC Adapter | AC adapter (spare) | Compliance | | 802.3 | | |
| Exalt Capacity Expansion Kit | For 6 GHz Part 101 links (optional accessory kit) | Console (Serial) | | 9-pin Sub-D (F) | | |
| | | Interface Speed | | 9600 bps | | |
| | | Compliance | | EIA-574 (RS-232) | | |
| | | Alarm | | 9-pin Sub-D (F) | | |
| | | Inputs (2) | | TTL/Closure | | |
| | | Outputs (2) | | Relay (Form C) | | |
| | | ExaltSync | | RJ45 (F) | | |
| | | Synchronization | | Internal Sync 1pps (GPS) | | |
| | | DC Power | | 6-pin barrier strip | | 6-pin barrier strip |
| | | Input Voltage | | ±20-60VDC | | |
| | | Consumption | | <38.5W (48V: <0.8A, 24V: <1.6A) | | <45W (48V: <0.9A, 24V: 1.8A) |
| | | AC Power Adapter | | EIC to NEMA 5-15 | | |
| | | Input | | 100-240VAC, 1.5A | | |
| | | Output | | 48VDC, 1.5A, 72W | | |

¹ Not all frequency bands are authorized or available for use in all countries.

² +24 dBm output power. Consult Exalt for availability.

³ Software license key upgrade.

⁴ Two complete links (4 terminals) required for MHS protection along with Exalt MHS kit and protection cabling. Consult your Exalt Sales representatives for MHS availability. (MHS is not available on EX-5i or EX-5i Lite).



Exhibit D

Power Density Calculations

Pocket Site HFCT1508B

50 Plantation Road

East Windsor, Connecticut



C Squared Systems, LLC
920 Candia Road
Manchester, NH 03109
Phone: (603) 657 9702
E-mail:
support@csquaredsystems.com

Calculated Radio Frequency Emissions



HFCT1508B

50 Plantation Road, East Windsor, CT 06016

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1. Introduction

The purpose of this report is to investigate compliance with applicable FCC regulations for the proposed Pocket antennas to be installed on the existing water tank at 50 Plantation Road, East Windsor, CT 06016.

These calculations assume that the antennas are operating at 100 percent capacity, that all antenna channels are transmitting simultaneously, and that the radio transmitters are operating at full power. Obstructions (trees, buildings etc.) that would normally attenuate the signal are not taken into account. As a result, the predicted signal levels are much more conservative (higher) than the actual signal levels will be from the finished installation.

Public exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter (mW/cm^2). The number of mW/cm^2 emitted is called the power density. The general population exposure limit for the cellular band is 0.567-0.593 mW/cm^2 , and the general population exposure limit for the PCS/AWS band is 1.0 mW/cm^2 . Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

The FCC general population / uncontrolled limits set the maximum exposure to which most people may be subjected. General population / uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

Higher exposure limits are permitted under the occupational / controlled exposure category, but only for persons who are exposed as a consequence of their employment and who have been made fully aware of the potential for exposure (through training), and they must be able to exercise control over their exposure. General population / uncontrolled limits are five times more stringent than the levels that are acceptable for occupational, or radio frequency trained individuals.

The FCC describes exposure to radio frequency (RF) energy in terms of percentage of maximum permissible exposure (MPE) with 100% being the maximum allowed. Rather than the FCC presenting the user specification in terms of complex power density figures over a specified surface area, this MPE measure is particularly useful, and even more so when considering that power density limits actually vary by frequency because of the different absorptive properties of the human body at different frequencies.

MPE limits are specified as time-averaged exposure limits. This means that exposure can be averaged over 30 minutes for general population / uncontrolled exposure (or 6 minutes for occupational / controlled exposure). However, for the case of exposure of the general public, time averaging is usually not applied because of uncertainties over exact exposure conditions and difficulty in controlling time of exposure. Therefore, the typical conservative approach is to assume that any RF exposure to the general public will be continuous.

Finally, it should be noted that the MPE limits adopted by the FCC for both general population / uncontrolled exposure and for occupational / controlled exposure incorporate a substantial margin of safety and have been established to be well below levels generally accepted as having the potential to cause adverse health effects.

2. FCC Guidelines for Evaluating RF Radiation Exposure Limits

In 1985, the FCC established rules to regulate radio frequency (RF) exposure from FCC licensed antenna facilities. In 1996, the FCC updated these rules, which were further amended in August 1997 by OET Bulletin 65 Edition 97-01. These new rules include limits for Maximum Permissible Exposure (MPE) for transmitters operating between 300 kHz and 100 GHz. The FCC MPE limits are based on exposure limits recommended by the National Council on Radiation Protection and Measurements (NCRP), the exposure limits developed by the Institute of Electrical and Electronics Engineers, Inc., (IEEE) and adopted by the American National Standards Institute (ANSI).

Attachment B contains excerpts from OET Bulletin 65 and defines the Maximum Exposure Limit. As shown in these excerpts, each frequency band has different exposure limits, requiring power density to be reported as a percent of Maximum Permissible Exposure (MPE) when dealing with carriers transmitting in different frequency bands.

3. RF Exposure Prediction Methods

The emission field calculation results displayed in the following figures were generated using the following formula as outlined in FCC bulletin OET 65:

$$\text{Power Density} = \left(\frac{1.6^2 \times \text{EIRP}}{4\pi \times R^2} \right)$$

Where:

EIRP = Effective Isotropic Radiated Power

R = Radial Distance = $\sqrt{(H^2 + V^2)}$

H = Horizontal Distance from antenna

V = Vertical Distance from bottom of antenna

1.6 is the ground reflection factor

4. Calculation Results

Table 1 below outlines the power density information for the site. All information for carriers other than Pocket is based on the current CSC filings.

| Carrier | Antenna Height (Feet) | Operating Frequency (MHz) | Number of Trans. | Effective Radiated Power (ERP) Per Transmitter (Watts) | Power Density (mw/cm ²) | Limit | %MPE |
|---------------|-----------------------|---------------------------|------------------|--|-------------------------------------|--------|---------------|
| AT&T/Cingular | 116 | 880 | 6 | 296 | 0.0474 | 0.5867 | 8.09% |
| AT&T/Cingular | 116 | 1930 | 3 | 427 | 0.0342 | 1.0000 | 3.42% |
| Sprint | 126 | 1962.5 | 12 | 500 | 0.1358 | 1.0000 | 13.58% |
| Pocket | 123 | 2130-2133.75 | 3 | 631 | 0.0497 | 1.0000 | 4.97% |
| Total | | | | | | | 30.06% |

Table 1: Proposed Carrier Information

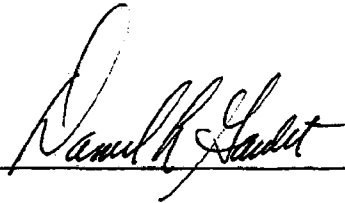
5. Conclusion

The above analysis verifies that emissions from the proposed site will be well below the maximum power density levels as outlined by the FCC in the OET Bulletin 65 Ed. 97-01. Even when using conservative methods, the cumulative power density from the proposed transmit antennas at the existing facility is well below the limits for the general public. The highest expected percent of Maximum Permissible Exposure at the base of the site is 30.06% of the FCC limit.

As noted in the introduction, obstructions (trees, buildings etc.) that would normally attenuate the signal are not taken into account. As a result, the predicted signal levels are more conservative (higher) than the actual signal levels will be from the finished installation.

6. Statement of Certification

I certify to the best of my knowledge that the statements in this report are true and accurate. The calculations follow guidelines set forth in ANSI/IEEE Std. C95.3, ANSI/IEE Std. C95.1 and FCC OET Bulletin 65 Edition 97-01.



Daniel I. Goulet
C Squared Systems, LLC

April 29, 2009
Date

Attachment A: References

OET Bulletin 65 - Edition 97-01 - August 1997 Federal Communications Commission Office of Engineering & Technology

ANSI C95.1-1982, American National Standard Safety Levels With Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 300 kHz to 100 GHz. IEEE-SA Standards Board

IEEE Std C95.3-1991 (Reaff 1997), IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave. IEEE-SA Standards Board

Attachment B: FCC Limits For Maximum Permissible Exposure (MPE)

(A) Limits for Occupational/Controlled Exposure

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (E) (A/m) | Power Density (S) (mW/cm ²) | Averaging Time E ² , H ² or S (minutes) |
|-----------------------|-----------------------------------|-----------------------------------|---|---|
| 0.3-3.0 | 614 | 1.63 | (100)* | 6 |
| 3.0-30 | 1842/f | 4.89/f | (900/f ²)* | 6 |
| 30-300 | 61.4 | 0.163 | 1.0 | 6 |
| 300-1500 | - | - | f/300 | 6 |
| 1500-100,000 | - | - | 5 | 6 |

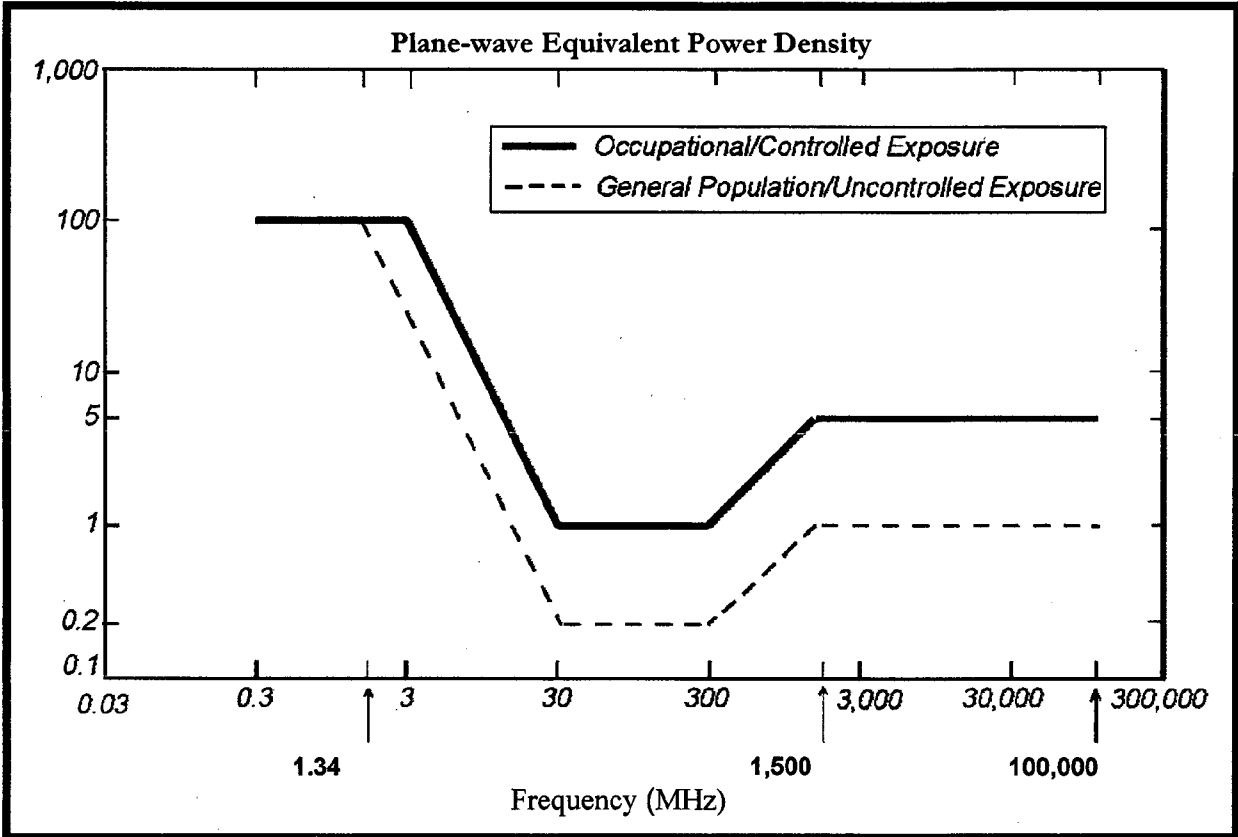
(B) Limits for General Population/Uncontrolled Exposure

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (E) (A/m) | Power Density (S) (mW/cm ²) | Averaging Time E ² , H ² or S (minutes) |
|-----------------------|-----------------------------------|-----------------------------------|---|---|
| 0.3-1.34 | 614 | 1.63 | (100)* | 30 |
| 1.34-30 | 824/f | 2.19/f | (180/f ²)* | 30 |
| 30-300 | 27.5 | 0.073 | 0.2 | 30 |
| 300-1500 | - | - | f/1500 | 30 |
| 1500-100,000 | - | - | 1.0 | 30 |

f = frequency in MHz * Plane-wave equivalent power density

NOTE 1: Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

NOTE 2: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or can not exercise control over their exposure.



• FCC Limits for Maximum Permissible Exposure (MPE)

Exhibit E

Structural Analysis

Pocket Site HFCT1508B

50 Plantation Road

East Windsor, Connecticut



April 27, 2009

Mr. Jason D'Amico
Grapevine Solutions
27 Hillside Place, #28
New Britain, CT 06501

**Reference: Proposed Telecommunications Facility
Pocket Wireless Site Number: HFCT1508B
50 Plantation Road
East Windsor, Connecticut
PC1073 / 36923993**

Dear Mr. D'Amico:

URS Corporation has been authorized by Grapevine Solutions to conduct a structural evaluation of the proposed Pocket Wireless antenna installation on the existing water tank at 50 Plantation Road, East Windsor, CT

The water tank is a 50,000-gallon water tower designed by W.E. Cadwell Company, Louisville, KY, erected in 1947. The water tank appears to be in acceptable condition and has not experienced significant section loss or damage due to exposure to the elements. The tank structure is currently supporting (2) two other carrier's antennas on top of the tank.

Pocket Wireless is proposing to install (3) three RFS APXV18-206517S-C panel antennas on the exterior of the water tank at an antenna centerline elevation of 123'-0". Each antenna is 72.0" (H) x 6.8" (W) x 3.15" (D) and weighs 32.5 lb. The antennas have a Max Wind Area of 3.4 ft² and a horizontal thrust force of 125 lbf each. The proposed antennas will have 2 associated coaxial cables each. All coax cables will be routed up the existing water tank leg in a vertical cable tray. For additional information refer to Rev 0, Construction drawings, prepared by URS Corporation, dated 04/27/09.

It is our determination that the existing water tank is adequate to support the proposed antenna and cable installation described above. The limitations of this determination are as follows:

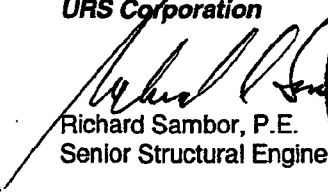
1. Previous telecommunication installations were designed per Connecticut Building Code with all relevant supplements and amendments.

The above evaluation assumes the continuous routine inspection and maintenance of the existing water tank.

The installation is based on requirements of the Connecticut Building Code 2003 and latest supplements and amendment. The tank design and construction predates seismic design requirements, therefore no attempt was made to assess the structure for seismic load compliance. Should you have any further questions, please do not hesitate to call me.

Sincerely,

URS Corporation


Richard Sambor, P.E.
Senior Structural Engineer



RS/jcf
cc: CF/Book - URS

URS Corporation
500 Enterprise Drive, Suite 3B
Rocky Hill, CT 06067
Tel: 860.529.8882
Fax: 860.529.3991



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

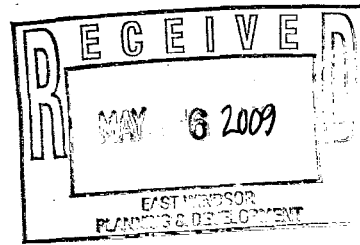
Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

Internet: ct.gov/csc

Daniel F. Caruso
Chairman



May 5, 2009

The Honorable Denise Sabotka Menard
First Selectman
Town of East Windsor
Town Hall
11 Rye Street
P. O. Box 213
Broad Brook, CT 06016-0389

RE: **EM-POCKET-047-090504** – Youghiogheny Communications-Northeast, LLC d/b/a Pocket Communications notice of intent to modify an existing telecommunications facility located at 50 Plantation Road, East Windsor, Connecticut.

Dear Ms. Menard:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

If you have any questions or comments regarding this proposal, please call me or inform the Council by May 19, 2009.

Thank you for your cooperation and consideration.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/jb

Enclosure: Notice of Intent

c: Laurie Whitten, Town Planner, Town of East Windsor

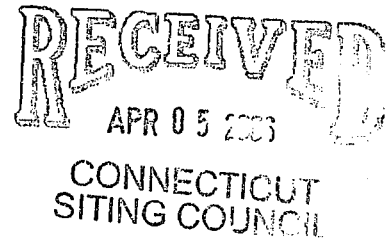


New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7636
Fax: (860) 513-7190

April 4, 2006

TS-CING-047-060405

Ms. Pamela Katz, Chairman, and
Members of the Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051



Re: Request by New Cingular Wireless PCS, LLC for an Order Approving Shared Telecommunications Use of an Existing Antenna Support Structure Located at 50 Plantation Road, East Windsor, Connecticut.

Dear Chairman Katz and Members of the Council:

Pursuant to Connecticut General Statutes (C.G.S.) Section 16-50aa, New Cingular Wireless PCS, LLC ("Cingular") hereby requests an order from the Connecticut Siting Council ("Council") approving the proposed shared use by Cingular of an existing water tank located at 50 Plantation Road, East Windsor, Connecticut. Cingular operates under licenses issued by the Federal Communications Commission ("FCC") to provide cellular and PCS mobile telephone service in Hartford County, which includes the area to be served by Cingular's proposed installation.

A copy of this letter is being sent to the 1st Selectman of the Town of East Windsor.

Existing Tower Facility

The East Windsor water tank is located at 50 Plantation Road, approximately 2 miles northeast of the intersection of US Hwy 5 and CT Rte 194, and its coordinates (NAD 83) are N 41° 52' 32.3" and W 72° 33' 53.1". The water tank is owned by Dean Rasmussen of East Windsor. It is no longer in use to store water and is permanently drained. Instead, it is now used solely to support telecommunications equipment and as such constitutes an antenna support structure for purposes of Section 16-50i and 16-50aa of the Connecticut General Statutes.

The water tank was initially constructed circa 1947. It has supported Sprint antennas since local P&Z authorities approved this use in 1996. (See attached 1996 zoning approval.) Additionally, the water tank appears on the Council's "PA 04-226 Database" of non-facility telecommunications installations.

The existing water tank consists of a 135-foot tall 4-legged structure within a 45 ft x 100 ft fenced area. The water tank is currently in use by Sprint PCS to support telecommunications equipment.

Proposed Shared Use of the Antenna Support Structure

Cingular proposes to install up to six Powerwave 7770.00 dual band panel antennas, or their equivalent, approximately 55 inches in height at a centerline height of 116 feet above ground level. Cingular also proposes to place an 11½ ft x 20 ft prefabricated concrete equipment shelter within an 18 ft x 23 ft extension of the fenced area on that portion of the site dedicated to the facility.

Attached to this Request for Tower Sharing are a site location map, the proposed site plan, the water tank profile, and a structural analysis report that shows the former water tank is structurally capable of supporting the proposed Cingular telecommunications equipment.

Statutory Considerations

Cingular requests the Council to find that the proposed shared use of the antenna support structure satisfies the criteria stated in C.G.S. §16-50aa, and to issue an order approving the proposed use.

C.G.S. §16-50aa provides that, upon written request for approval of a proposed shared use, "If the Council finds that the proposed shared use of the facility is technically, legally, environmentally and economically feasible and meets public safety concerns, the Council shall issue an order approving such shared use" (C.G.S §16-50aa(c)(1)).

The shared use of the facility satisfies the criteria in C.G.S §16-50aa as follows:

- A. **Technical Feasibility.** The existing antenna support structure is structurally sound and capable of supporting the proposed shared use of the Cingular antennas at 116 feet AGL. The proposed shared use is therefore technically feasible.
- B. **Legal Feasibility.** Under C.G.S §16-50aa, the Council has been authorized to issue an order approving the proposed shared use of towers such as the water tank in this specific instance which has no use other than as a telecommunications antenna support structure (C.G.S §16-50aa(c) (1)). Under the authority vested in the Council by C.G.S §16-50aa, an order approving the shared use of the water tank would permit it to obtain a building permit for the proposed installation.
- C. **Environmental Feasibility.** The proposed shared use of this antenna support structure would have a minimal environmental effect for the following reasons:
 1. The proposed installation would have an insignificant incremental visual impact and would not cause any significant change or alteration in the physical or environmental characteristics of the property. The addition of the proposed antennas would not increase the height of the water tank. Cingular's equipment will be housed in an equipment shelter, and all construction will occur on the site owned by Mr. Rasmussen.
 2. The proposed installation would not increase noise levels at the existing facility by six decibels or more.
 3. Operation of the additional antennas will not increase the total radio frequency

electromagnetic radiation power density, measured at the water tank base, to or above the standard adopted by the State of Connecticut and the FCC. The "worst-case" exposure calculation in accordance with FCC OET Bulletin No. 65 (1997) for a point of interest at the base of the water tank is as follows:

| Company | Centerline Height (feet) | Frequency (MHz) | Number of Channels | Power Per Channel (Watts) | Power Density [†] (mW/cm ²) | Standard Limits (mW/cm ²) | Percent of Limit |
|--------------|--------------------------|------------------------|--------------------|---------------------------|--|---------------------------------------|------------------|
| Sprint PCS * | 126 | 1962.5 | 12 | 500 | 0.1359 | 1.0000 | 13.59 |
| Cingular | 116 | 880-894 | 6 | 296 | 0.0475 | 0.5867 | 8.09 |
| Cingular | 116 | 1930-1935 1965-1970 | 3 | 427 | 0.0342 | 1.0000 | 3.42 |
| Total | | | | | | | 25.10% |

* Typical worst-case values for Sprint PCS.

† Please note that the standard power density equation provided by the Council in its memo of January 22, 2001 incorporates a ground reflection factor of 2.56 (i.e., the square of 1.6) as described in FCC OET Bulletin No. 65.

As the table demonstrates, the "worst-case" exposure would be approximately 25 % of the ANSI/IEEE standard, as calculated for mixed frequency sites. Cumulative power density levels resulting from Cingular's proposed use of the water tank facility would thus be well within applicable ANSI/IEEE standards.

4. The proposed installation would not require any water or sanitary facilities, or generate air emissions or discharges to water bodies. After construction is completed (approximately six weeks), the proposed installation would not generate any vehicular traffic other than periodic maintenance visits. The proposed use of the facility would therefore have a minimal environmental effect, and is environmentally feasible.

- D. **Economic Feasibility.** Cingular has entered into an agreement with Mr. Rasmussen to share use of the antenna support structure for telecommunications operations. The proposed facility sharing is therefore economically feasible.
- E. **Public Safety Concerns.** As stated above, the existing structure is capable of supporting Cingular's proposed antennas, and radio frequency emissions fall well below State and Federal safety standards. Cingular is not aware of any other public safety concerns relative to the proposed tower sharing. In fact, the provision of new or improved wireless coverage in the area is expected to enhance the safety and welfare of East Windsor's residents.

Conclusion

For the reasons discussed above, the proposed shared use of the existing antenna support structure at 50 Plantation Road in the Town of East Windsor satisfies the criteria stated in C.G.S. §16-50aa and advances the General Assembly's and the Council's goal of preventing the proliferation of communication towers in Connecticut. Cingular therefore respectfully requests that the Council issue an order approving the proposed shared use. Thank you for your attention to this matter.

Please feel free to call Tim Burks at (860) 989-0001 or Christopher Fisher, Esq. at (914) 761-1300 with questions concerning this water tank sharing request. Thank you for your consideration in this matter.

Sincerely,

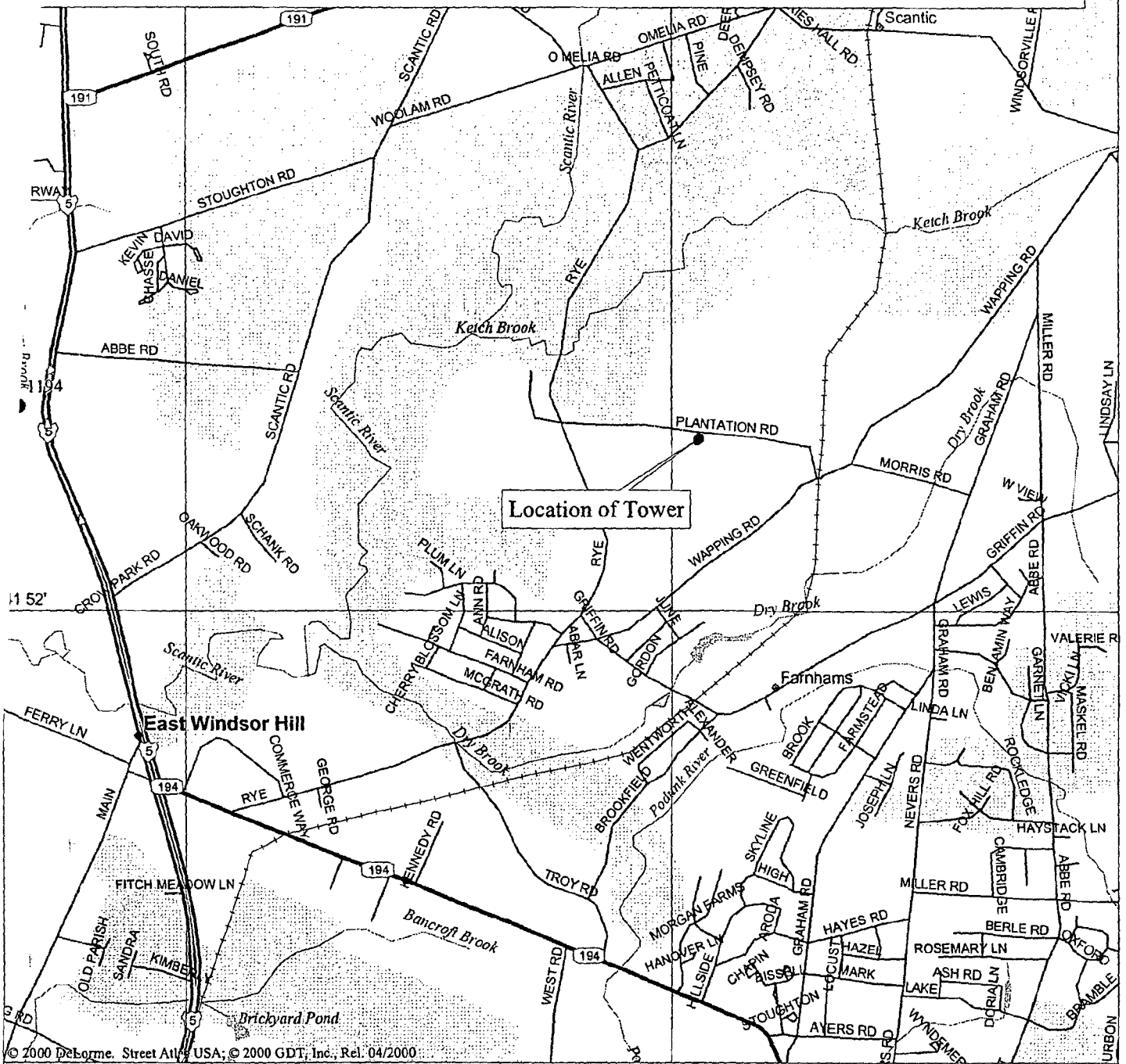
A handwritten signature in black ink, appearing to read "S. Levine".

Steven L. Levine
Real Estate Consultant

cc: Honorable Linda L. Roberts, 1st Selectman, Town of East Windsor
Michele G. Briggs, Manager of Real Estate
Christopher B. Fisher, Esq.

Enclosures

Plantation Road, East Windsor



© 2000 DeLorme, Street Atlas USA; © 2000 GDT, Inc., Rel. 04/2000

Mag 14.00
 Mon Apr 03 15:38 2006
 Scale 1:31,250 (at center)
 2000 Feet
 1000 Meters

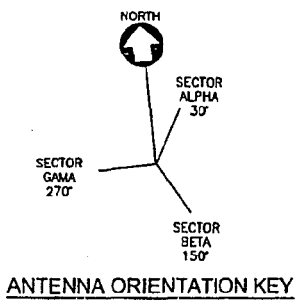
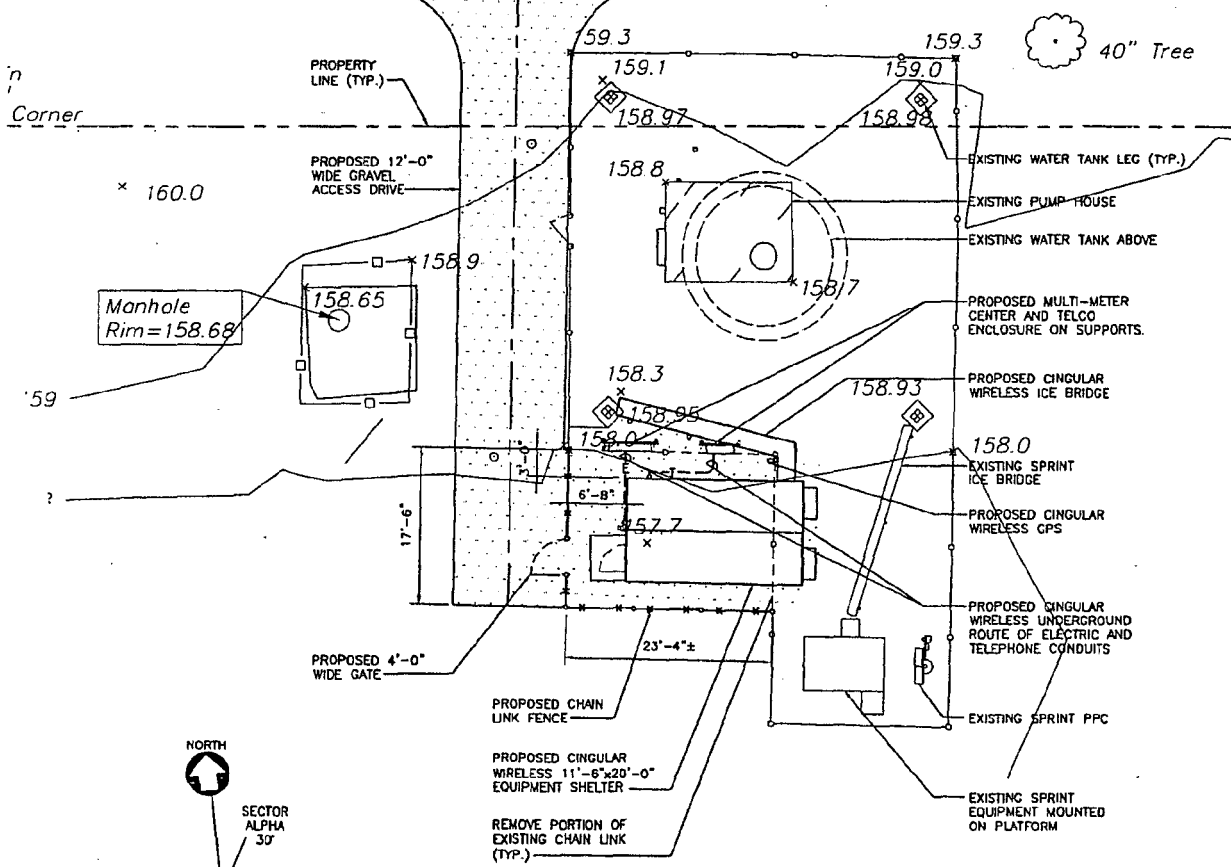
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|--|-----------------|--|-------------------|
| | Local Road | | Population Center |
| | Major Connector | | Water |
| | State Route | | Woodland |
| | US Highway | | River/Canal |
| | Railroad | | |
| | Small Town | | |
| | Locale | | |
| | Cemetery | | |



-Edge of Pavement * 159.66

PLANTATION ROAD

-Edge of Pavement * 159.27



1 PARTIAL SITE PLAN
SCALE: 1" = 20'-0"



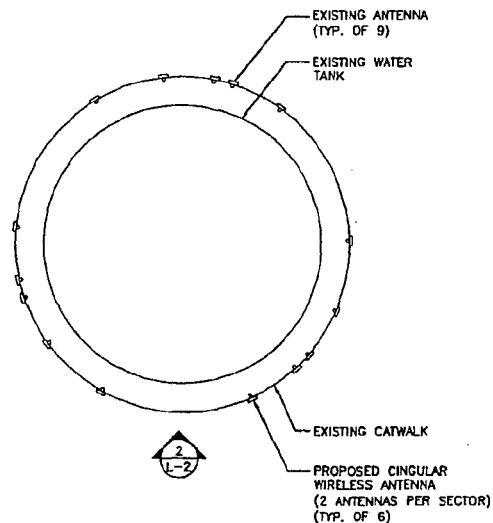
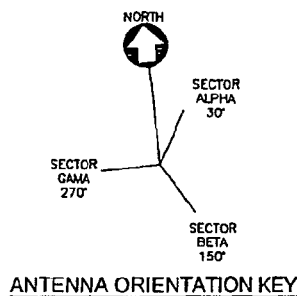
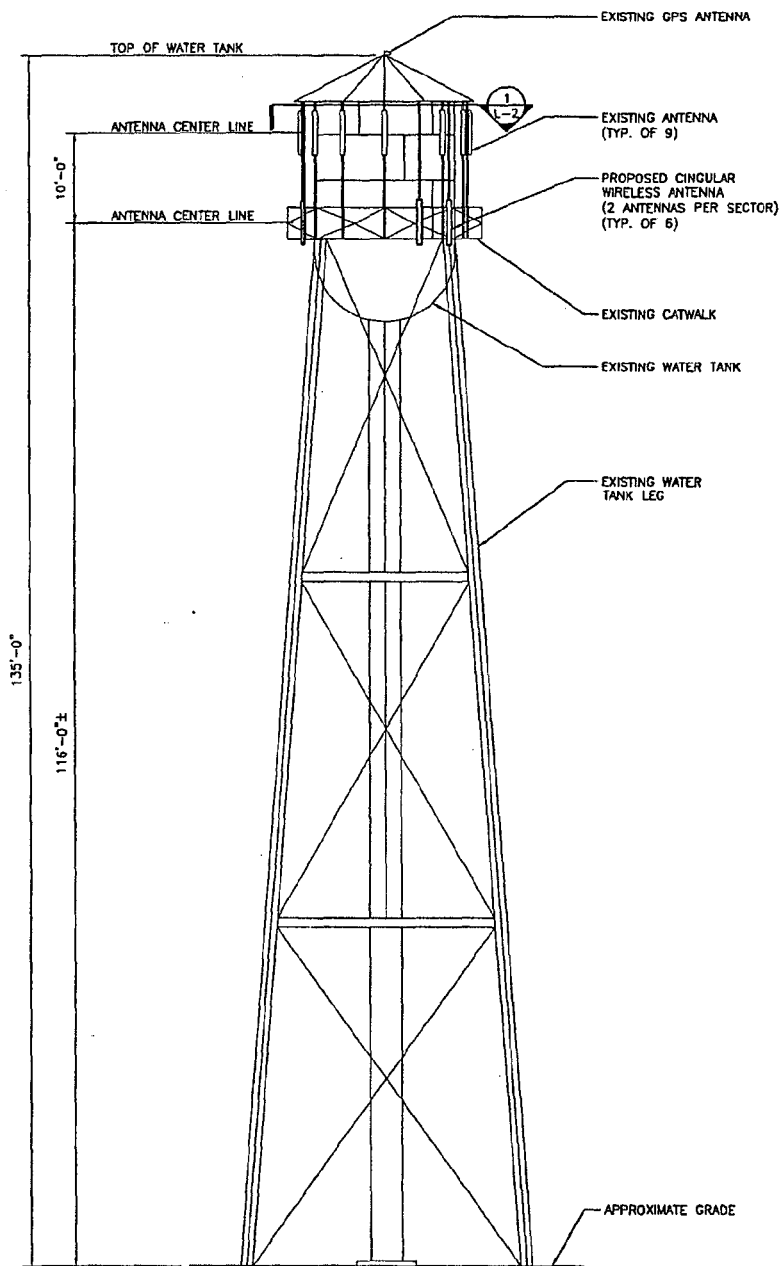
PROJECT NO.
36921839
Designed by:
Drawn by: TM
Checked by:
Approved by:

UBS CORPORATION AES
500 ENTERPRISE DRIVE
ROCKY HILL, CONNECTICUT
1-(866)-529-8882

cingular
WIRELESS
WIRELESS COMMUNICATIONS FACILITY
WATER TOWER
50 PLANTATION ROAD
EAST WINDSOR, CONNECTICUT

| | | |
|-----------------|----------|----------------|
| REV. | DATE: | DESCRIPTION |
| △ | 04/03/06 | REVISED |
| Scale: AS NOTED | | Date: 02-22-06 |
| Job No. CW1 075 | | File No. |

Dwg. No.
L-1
Dwg. 1 of 2



2 WATER TANK ELEVATION
L-2 SCALE: 1" = 20'-0"

1 ANTENNA ORIENTATION
L-2 SCALE: 1" = 10'-0"



PROJECT NO.
36921839

Designed by:

Drawn by: TM

Checked by:

Approved by:

UBS CORPORATION AES

500 ENTERPRISE DRIVE
ROCKY HILL, CONNECTICUT
1-(866)-529-8882

cingular
WIRELESS
WIRELESS COMMUNICATIONS FACILITY

SITE ADDRESS:
50 PLANTATION ROAD
EAST WINDSOR, CONNECTICUT

| | | | |
|-----------------|----------|----------------|--|
| Dwg. No. | | L-2 | |
| REV. | DATE | DESCRIPTION | |
| Δ | 04/03/06 | REVISED | |
| Scale: AS NOTED | | Date: 02-22-06 | |
| Job No. CW1 075 | | File No. | |
| | | Dwg. 2 of 2 | |



April 5, 2006

Mr. Steven Levine
Cingular Wireless
500 Enterprise Drive, 3rd Floor
Rocky Hill, CT 06067

**Reference: Proposed Telecommunications Facility
Cingular Wireless
50 Plantation Road (47 Plantation Road)
East Windsor, Connecticut
CW1-075 / 36921839.00000**

Dear Mr. Levine:

URS Corporation has been authorized by Cingular Wireless to conduct a structural evaluation of the proposed installation on an existing water tower at 50 Plantation Road in East Windsor, Connecticut.

The water tank is a 50,000-gallon water tower designed by W.E. Cadwell Company, Louisville, KY, erected in 1947. The water tank appears to be in acceptable condition and has not experienced significant section loss or damage due to exposure to the elements. URS has based this review/structural evaluation on the water tower.

The proposed installation will consist of an 11'-6" x 20' equipment building located at grade and (6) six panel antennas. The antennas will be mounted on the exterior wall of the water tank at an elevation of 116'+/- (antenna centerline) above grade. Each antenna weighs 35lbs with a horizontal thrust force of 120lbs each. The proposed antennas will have 2 associated coaxial cables each. All coax cables will be routed up the existing water tower leg in a cable tray. The proposed antennas will be shielded by the tank structure and the overall effect of wind on the tank structure due to the addition of the Cingular Wireless antennas and coaxial cables is minimal.

It is our determination that the existing water tank is adequate to support the proposed antenna installation. The limitations of this determination are as follows:

1. There is routine inspection and maintenance of the existing water tank.

The installation is based on requirements of the Connecticut Building Code 2005 and latest supplements and amendment. The tank design and construction predates seismic design requirements, therefore no attempt was made to assess the structure for seismic load compliance. Should you have any further questions, please do not hesitate to call me.

Sincerely,

URS Corporation

Richard Sambor, P.E.
Manager Facilities Design

cc: Alitz Abadjian, PM - URS
CF/Book - URS



URS Corporation
500 Enterprise Drive, Suite 3B
Rocky Hill, CT 06067
Tel: 860.529.8882
Fax: 860.529.3991



New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7636
Fax: (860) 513-7190

April 4, 2006

Re: Request by New Cingular Wireless PCS, LLC for an Order Approving Shared Telecommunications Use of an Existing Antenna Support Structure Located at 50 Plantation Road, East Windsor, Connecticut.

Honorable Linda L. Roberts
1st Selectman, Town of East Windsor
Town Hall, 11 Rye Street
Broad Brook, Connecticut 06016

Dear Ms. Roberts:

Consistent with the State of Connecticut's statutory policy of encouraging telecommunications tower sharing, New Cingular Wireless PCS, LLC ("Cingular") intends to install cellular antennas and equipment at an existing water tank at 50 Plantation Road, East Windsor, Connecticut. The water tank, which is no longer operational, is owned by Dean Rasmussen of East Windsor and supports Sprint PCS antennas as its sole use.

Pursuant to Connecticut General Statutes Section 16-50aa, Cingular has requested an order approving shared use of the water tank from the Connecticut Siting Council.

As required by Section 16-50j-73 of the Regulations of Connecticut State Agencies, we are providing you with copies of this letter and the attached letter to the Siting Council as notice of Cingular's plans.

The accompanying letter fully describes Cingular's proposal. However, if you have any questions or require any further information on our plans or the Siting Council's procedures, please contact the undersigned or Mr. Derek Phelps, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

Steven L. Levine
Real Estate Consultant

Enclosures



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@po.state.ct.us

www.ct.gov/csc

April 5, 2006

The Honorable Linda L. Roberts
First Selectman
Town of East Windsor
Town Hall
11 Rye Street
P. O. Box 213
Broad Brook, CT 06016-0389

RE: **TS-CING-047-060405** - New Cingular Wireless PCS, LLC request for an order to approve tower sharing at an approved telecommunications facility located at 50 Plantation Road, East Windsor, Connecticut.

Dear Ms. Roberts:

The Connecticut Siting Council (Council) received this request for tower sharing, pursuant to Connecticut General Statutes § 16-50aa.

The Council will consider this item at the next meeting scheduled for Wednesday, April 12, 2006, at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

If you have any questions or comments regarding this proposal, please call me or inform the council by April 11, 2006.

Thank you for your cooperation and consideration.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/ap

Enclosure: Notice of Tower Sharing

c: Laurie Whitten, Town Planner, Town of East Windsor



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@po.state.ct.us

www.ct.gov/csc

April 5, 2006

The Honorable Linda L. Roberts
First Selectman
Town of East Windsor
Town Hall
11 Rye Street
P. O. Box 213
Broad Brook, CT 06016-0389

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If you have any questions or comments regarding this proposal, please call me or inform the council by April 11, 2006.

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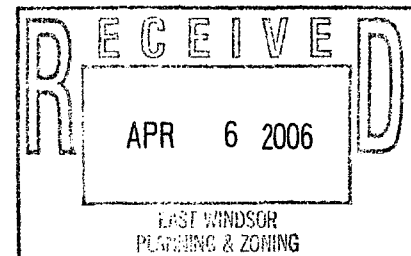
Very truly yours,

S. Derek Phelps
Executive Director

SDP/ap

Enclosure: Notice of Tower Sharing

c: Laurie Whitten, Town Planner, Town of East Windsor



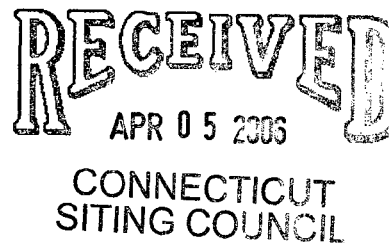


New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7636
Fax: (860) 513-7190

April 4, 2006

TS-CING-047-060405

Ms. Pamela Katz, Chairman, and
Members of the Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051



Re: Request by New Cingular Wireless PCS, LLC for an Order Approving Shared Telecommunications Use of an Existing Antenna Support Structure Located at 50 Plantation Road, East Windsor, Connecticut.

Dear Chairman Katz and Members of the Council:

Pursuant to Connecticut General Statutes (C.G.S.) Section 16-50aa, New Cingular Wireless PCS, LLC ("Cingular") hereby requests an order from the Connecticut Siting Council ("Council") approving the proposed shared use by Cingular of an existing water tank located at 50 Plantation Road, East Windsor, Connecticut. Cingular operates under licenses issued by the Federal Communications Commission ("FCC") to provide cellular and PCS mobile telephone service in Hartford County, which includes the area to be served by Cingular's proposed installation.

A copy of this letter is being sent to the 1st Selectman of the Town of East Windsor.

Existing Tower Facility

The East Windsor water tank is located at 50 Plantation Road, approximately 2 miles northeast of the intersection of US Hwy 5 and CT Rte 194, and its coordinates (NAD 83) are N 41° 52' 32.3" and W 72° 33' 53.1". The water tank is owned by Dean Rasmussen of East Windsor. It is no longer in use to store water and is permanently drained. Instead, it is now used solely to support telecommunications equipment and as such constitutes an antenna support structure for purposes of Section 16-50i and 16-50aa of the Connecticut General Statutes.

The water tank was initially constructed circa 1947. It has supported Sprint antennas since local P&Z authorities approved this use in 1996. (See attached 1996 zoning approval.) Additionally, the water tank appears on the Council's "PA 04-226 Database" of non-facility telecommunications installations.

The existing water tank consists of a 135-foot tall 4-legged structure within a 45 ft x 100 ft fenced area. The water tank is currently in use by Sprint PCS to support telecommunications equipment.

Proposed Shared Use of the Antenna Support Structure

Cingular proposes to install up to six Powerwave 7770.00 dual band panel antennas, or their equivalent, approximately 55 inches in height at a centerline height of 116 feet above ground level. Cingular also proposes to place an 11½ ft x 20 ft prefabricated concrete equipment shelter within an 18 ft x 23 ft extension of the fenced area on that portion of the site dedicated to the facility.

Attached to this Request for Tower Sharing are a site location map, the proposed site plan, the water tank profile, and a structural analysis report that shows the former water tank is structurally capable of supporting the proposed Cingular telecommunications equipment.

Statutory Considerations

Cingular requests the Council to find that the proposed shared use of the antenna support structure satisfies the criteria stated in C.G.S. §16-50aa, and to issue an order approving the proposed use.

C.G.S. §16-50aa provides that, upon written request for approval of a proposed shared use, "If the Council finds that the proposed shared use of the facility is technically, legally, environmentally and economically feasible and meets public safety concerns, the Council shall issue an order approving such shared use" (C.G.S §16-50aa(c)(1)).

The shared use of the facility satisfies the criteria in C.G.S §16-50aa as follows:

- A. **Technical Feasibility.** The existing antenna support structure is structurally sound and capable of supporting the proposed shared use of the Cingular antennas at 116 feet AGL. The proposed shared use is therefore technically feasible.
- B. **Legal Feasibility.** Under C.G.S §16-50aa, the Council has been authorized to issue an order approving the proposed shared use of towers such as the water tank in this specific instance which has no use other than as a telecommunications antenna support structure (C.G.S §16-50aa(c) (1)). Under the authority vested in the Council by C.G.S §16-50aa, an order approving the shared use of the water tank would permit it to obtain a building permit for the proposed installation.
- C. **Environmental Feasibility.** The proposed shared use of this antenna support structure would have a minimal environmental effect for the following reasons:
 1. The proposed installation would have an insignificant incremental visual impact and would not cause any significant change or alteration in the physical or environmental characteristics of the property. The addition of the proposed antennas would not increase the height of the water tank. Cingular's equipment will be housed in an equipment shelter, and all construction will occur on the site owned by Mr. Rasmussen.
 2. The proposed installation would not increase noise levels at the existing facility by six decibels or more.
 3. Operation of the additional antennas will not increase the total radio frequency

electromagnetic radiation power density, measured at the water tank base, to or above the standard adopted by the State of Connecticut and the FCC. The "worst-case" exposure calculation in accordance with FCC OET Bulletin No. 65 (1997) for a point of interest at the base of the water tank is as follows:

| Company | Centerline Height (feet) | Frequency (MHz) | Number of Channels | Power Per Channel (Watts) | Power Density [†] (mW/cm ²) | Standard Limits (mW/cm ²) | Percent of Limit |
|--------------|--------------------------|------------------------|--------------------|---------------------------|--|---------------------------------------|------------------|
| Sprint PCS * | 126 | 1962.5 | 12 | 500 | 0.1359 | 1.0000 | 13.59 |
| Cingular | 116 | 880-894 | 6 | 296 | 0.0475 | 0.5867 | 8.09 |
| Cingular | 116 | 1930-1935 1965-1970 | 3 | 427 | 0.0342 | 1.0000 | 3.42 |
| Total | | | | | | | 25.10% |

* Typical worst-case values for Sprint PCS.

† Please note that the standard power density equation provided by the Council in its memo of January 22, 2001 incorporates a ground reflection factor of 2.56 (i.e., the square of 1.6) as described in FCC OET Bulletin No. 65.

As the table demonstrates, the "worst-case" exposure would be approximately 25 % of the ANSI/IEEE standard, as calculated for mixed frequency sites. Cumulative power density levels resulting from Cingular's proposed use of the water tank facility would thus be well within applicable ANSI/IEEE standards.

4. The proposed installation would not require any water or sanitary facilities, or generate air emissions or discharges to water bodies. After construction is completed (approximately six weeks), the proposed installation would not generate any vehicular traffic other than periodic maintenance visits. The proposed use of the facility would therefore have a minimal environmental effect, and is environmentally feasible.

D. **Economic Feasibility.** Cingular has entered into an agreement with Mr. Rasmussen to share use of the antenna support structure for telecommunications operations. The proposed facility sharing is therefore economically feasible.

E. **Public Safety Concerns.** As stated above, the existing structure is capable of supporting Cingular's proposed antennas, and radio frequency emissions fall well below State and Federal safety standards. Cingular is not aware of any other public safety concerns relative to the proposed tower sharing. In fact, the provision of new or improved wireless coverage in the area is expected to enhance the safety and welfare of East Windsor's residents.

Conclusion

For the reasons discussed above, the proposed shared use of the existing antenna support structure at 50 Plantation Road in the Town of East Windsor satisfies the criteria stated in C.G.S. §16-50aa and advances the General Assembly's and the Council's goal of preventing the proliferation of communication towers in Connecticut. Cingular therefore respectfully requests that the Council issue an order approving the proposed shared use. Thank you for your attention to this matter.

Please feel free to call Tim Burks at (860) 989-0001 or Christopher Fisher, Esq. at (914) 761-1300 with questions concerning this water tank sharing request. Thank you for your consideration in this matter.

Sincerely,

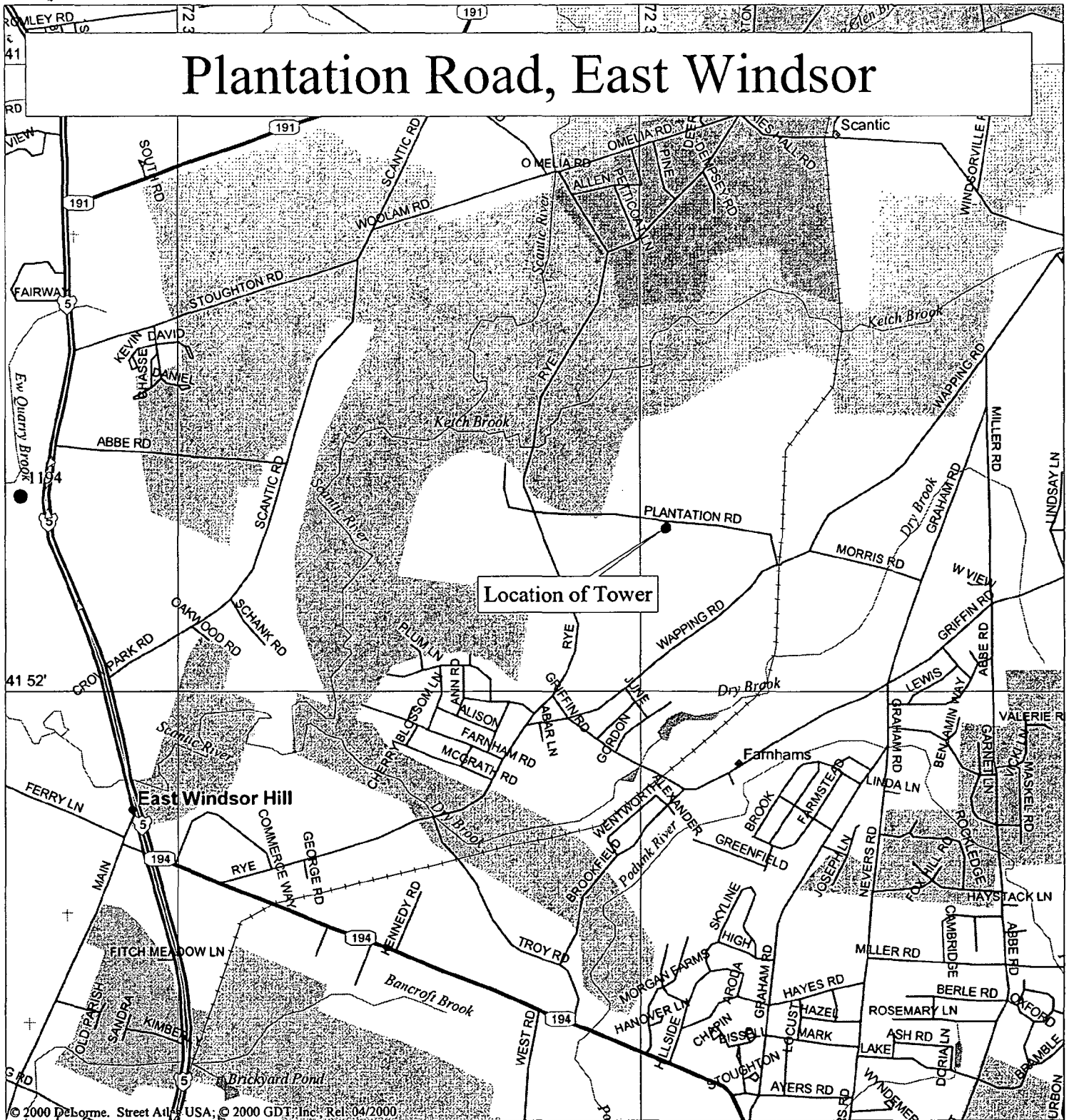
A handwritten signature in black ink, appearing to read "S. Levine".

Steven L. Levine
Real Estate Consultant

cc: Honorable Linda L. Roberts, 1st Selectman, Town of East Windsor
Michele G. Briggs, Manager of Real Estate
Christopher B. Fisher, Esq.

Enclosures

Plantation Road, East Windsor



© 2000 DeLorme, Street Atlas USA; © 2000 GDT, Inc. Rel. 04/2000

Mag 14.00

Mon Apr 03 15:38 2006

Scale 1:31,250 (at center)

2000 Feet

1000 Meters

- | | | | |
|--|-----------------|--|-------------------|
| | Local Road | | Population Center |
| | Major Connector | | Water |
| | State Route | | Woodland |
| | US Highway | | River/Canal |
| | Railroad | | |
| | Small Town | | |
| | Locale | | |
| | Cemetery | | |



-Edge of Pavement

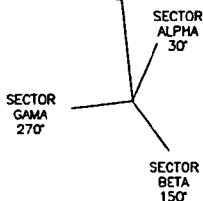
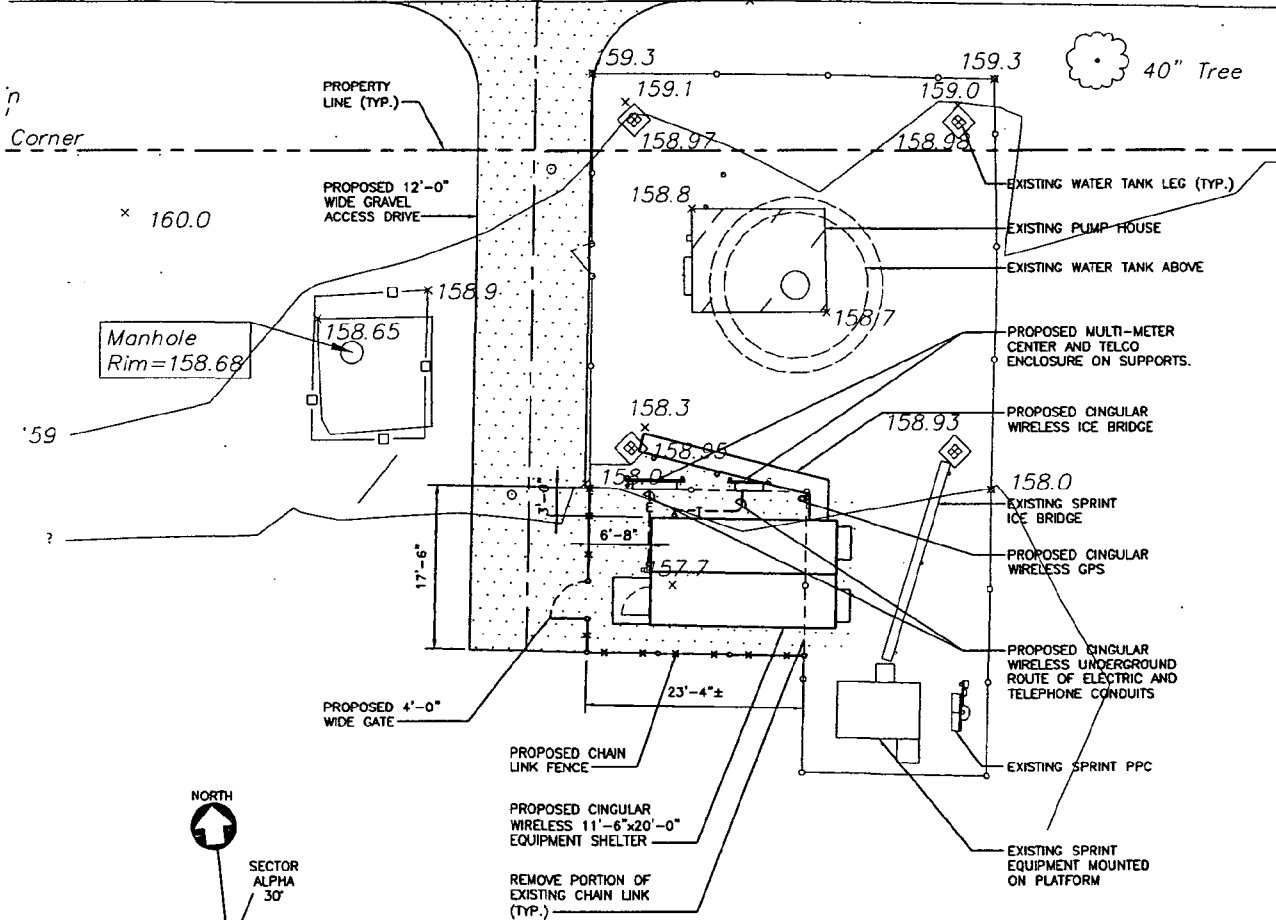
159.66

PLANTATION ROAD

159.71

-Edge of Pavement

159.27



ANTENNA ORIENTATION KEY

1 PARTIAL SITE PLAN
L-1 SCALE: 1" = 20'-0"



PROJECT NO.
36921839

Designed by:

Drawn by: TM

Checked by:

Approved by:

UBS CORPORATION AES

500 ENTERPRISE DRIVE
ROCKY HILL, CONNECTICUT
1-(860)-529-8882

cingular

WIRELESS COMMUNICATIONS FACILITY

WATER TOWER

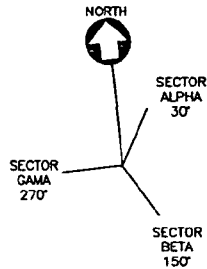
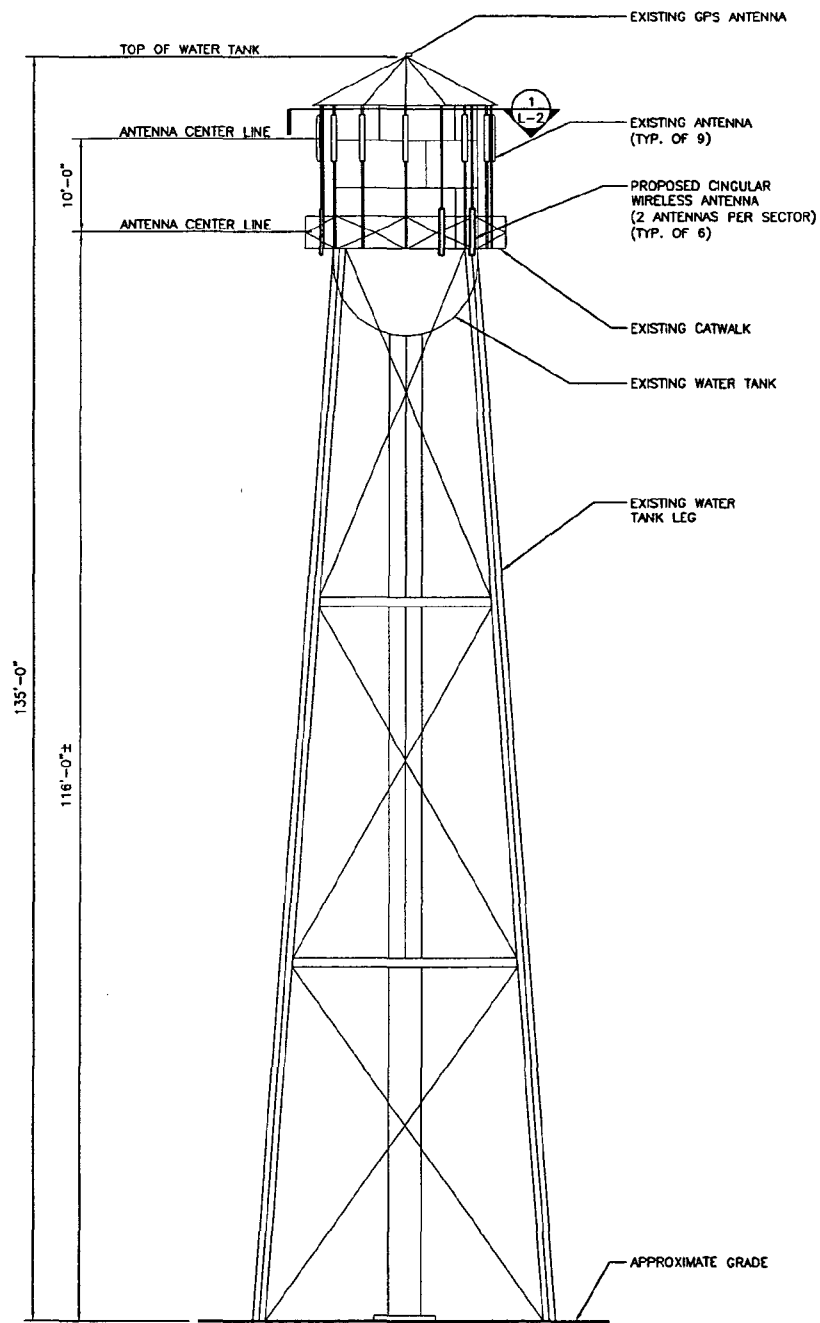
SITE ADDRESS:
50 PLANTATION ROAD
EAST WINDSOR, CONNECTICUT

| | | |
|-----------------|----------|----------------|
| REV. | DATE: | DESCRIPTION |
| △ | 04/03/06 | REVISED |
| Scale: AS NOTED | | Date: 02-22-06 |
| Job No. CW1 075 | | File No. |

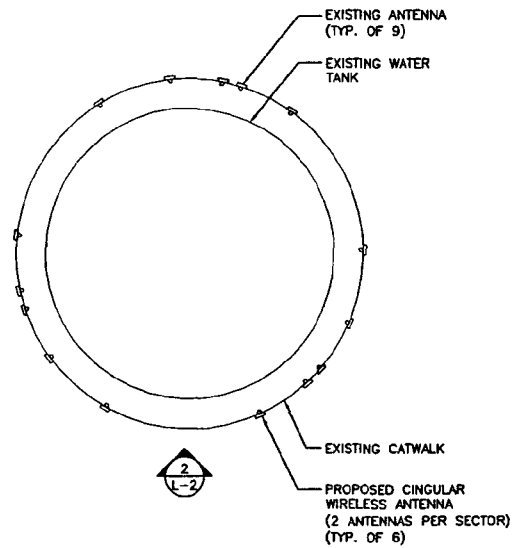
Dwg. No.

L-1

Dwg. 1 of 2



ANTENNA ORIENTATION KEY



2 WATER TANK ELEVATION
L-2 SCALE: 1" = 20'-0"

1 ANTENNA ORIENTATION
L-2 SCALE: 1" = 10'-0"



PROJECT NO.
36921839
Designed by:
Drawn by: TM
Checked by:
Approved by:

UBS CORPORATION AES

500 ENTERPRISE DRIVE
ROCKY HILL, CONNECTICUT
1-(860)-529-8882

cingular
WIRELESS

WIRELESS COMMUNICATIONS FACILITY

WATER TOWER

SITE ADDRESS: 50 PLANTATION ROAD
EAST WINDSOR, CONNECTICUT

| | | |
|-----------------|----------|----------------|
| REV. | DATE: | DESCRIPTION |
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| Scale: AS NOTED | | Date: 02-22-06 |
| Job No. CW1 075 | | File No. |

Dwg. No.

L-2

Dwg. 2 of 2



April 5, 2006

Mr. Steven Levine
Cingular Wireless
500 Enterprise Drive, 3rd Floor
Rocky Hill, CT 06067

**Reference: Proposed Telecommunications Facility
Cingular Wireless
50 Plantation Road (47 Plantation Road)
East Windsor, Connecticut
CW1-075 / 36921839.00000**

Dear Mr. Levine:

URS Corporation has been authorized by Cingular Wireless to conduct a structural evaluation of the proposed installation on an existing water tower at 50 Plantation Road in East Windsor, Connecticut.

The water tank is a 50,000-gallon water tower designed by W.E. Cadwell Company, Louisville, KY, erected in 1947. The water tank appears to be in acceptable condition and has not experienced significant section loss or damage due to exposure to the elements. URS has based this review/structural evaluation on the water tower.

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1. There is routine inspection and maintenance of the existing water tank.

The installation is based on requirements of the Connecticut Building Code 2005 and latest supplements and amendment. The tank design and construction predates seismic design requirements, therefore no attempt was made to assess the structure for seismic load compliance. Should you have any further questions, please do not hesitate to call me.

Sincerely,

URS Corporation

Richard Sambor, P.E.
Manager Facilities Design

cc: Alitz Abadjian, PM - URS
CF/Book - URS



URS Corporation
500 Enterprise Drive, Suite 3B
Rocky Hill, CT 06067
Tel: 860.529.8882
Fax: 860.529.3991



New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7636
Fax: (860) 513-7190

April 4, 2006

Re: Request by New Cingular Wireless PCS, LLC for an Order Approving Shared Telecommunications Use of an Existing Antenna Support Structure Located at 50 Plantation Road, East Windsor, Connecticut.

Honorable Linda L. Roberts
1st Selectman, Town of East Windsor
Town Hall, 11 Rye Street
Broad Brook, Connecticut 06016

Dear Ms. Roberts:

Consistent with the State of Connecticut's statutory policy of encouraging telecommunications tower sharing, New Cingular Wireless PCS, LLC ("Cingular") intends to install cellular antennas and equipment at an existing water tank at 50 Plantation Road, East Windsor, Connecticut. The water tank, which is no longer operational, is owned by Dean Rasmussen of East Windsor and supports Sprint PCS antennas as its sole use.

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As required by Section 16-50j-73 of the Regulations of Connecticut State Agencies, we are providing you with copies of this letter and the attached letter to the Siting Council as notice of Cingular's plans.

The accompanying letter fully describes Cingular's proposal. However, if you have any questions or require any further information on our plans or the Siting Council's procedures, please contact the undersigned or Mr. Derek Phelps, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

A handwritten signature in black ink, appearing to read 'S.L. Levine'.

Steven L. Levine
Real Estate Consultant

Enclosures

TOWN OF EAST WINDSOR - PLANNING & ZONING COMMISSION
OCTOBER 8, 1996 - PUBLIC HEARING #1273

CONDITIONS OF APPROVAL

SBA, INC. - APPLICANT
DEAN A. & CAREN E. RASMUSSEN - OWNERS
SITE PLAN APPROVAL
S/S PLANTATION ROAD
BROAD BROOK, CONNECTICUT

Motion by: Sonia Morell

Seconded by: Brian Chisholm

TO APPROVE the application of SBA, Inc. for Site Plan Approval to place communication antennae on an existing water tower and to locate support equipment adjacent to tower, on property located on the south side of Plantation Road. This property, which is owned by Dean A. and Caren E. Rasmussen, is presently zoned A-1 and is shown on Assessor's Map 40, Block 50, Lot 1C. This approval is subject to conformance with the referenced plans and the following conditions:

Referenced Plans:

- "Property Survey Prepared for Dean & Caren Rasmussen 47 Plantation Road, East Windsor Connecticut Proposed Sprint Spectrum LP Improvements added to survey by SEA Consultants, Inc. Rocky Hill, CT" Dated Received by East Windsor Planning and Zoning Commission September 10, 1996.
- "Lucent Technologies/Bechtel Alliance SSLP Project, Rasmussen Water Tower Site Plan" by SEA Consultants Inc. Dated 9/9/96 and stamped "received" by the East Windsor Planning and Zoning Commission on September 10, 1996.

Conditions to be met prior to signing mylars:

1. A copy of this approval Motion shall be recorded on the land records.

Conditions to be met prior to the issuance of a Zoning Permit:

2. A mylar copy of the referenced plans shall be submitted for the East Windsor Planning and Zoning Commission signature prior to the issuance of zoning permits.

Conditions to be met Prior to Certificate of Compliance:

3. All conditions of this approval motion shall be complied with.

10/8/96

CONDITIONS OF APPROVAL

Page 2 of 2

SBA, INC. - APPLICANT
DEAN A. & CAREN E. RASMUSSEN - OWNERS
SITE PLAN APPROVAL
S/S PLANTATION ROAD
BROAD BROOK, CONNECTICUT

General Conditions:

4. No work may begin until a Zoning and Building Permit have been issued.
5. Construction of improvements as approved by this special use/site plan approval must commence by October 8, 1997 and all improvements must be completed within 1 year from the start of construction, otherwise approval shall become null and void unless an extension is granted by the Commission.
6. This Site Plan Approval is for the specific use identified in the application. Any changes in use or tenancy require a new zoning permit and may require additional Commission approvals.
7. No structures or buildings other than what are shown on the approved plans shall be erected without further Site Plan Review by the Commission.
8. This project shall be constructed and maintained in accordance with the referenced plans. Minor modifications to the approved plans which result in lesser impacts may be allowed subject to staff review and approval.
9. By acceptance of this permit and conditions, the applicant and owner acknowledge the right of Town staff to periodically enter upon the subject property for the purpose of determining compliance with the terms of this approval.

VOTE: In Favor: Unanimous

Received for Record NOV 6 19 96
at 9:25 AM

Attest: Chie S. Radtke Town
Clerk

9:25 AM
11/6

Received for Record
at Nov 6 19 96
9:25 AM
Recorded in EAST WINDSOR
LAND RECORDS
Vol. 193 Page 117-118
Ramon W. Gaudreau
Asst. Recorder



Sprint Spectrum LP

CONNECTICUT MTA

SITE NO. CT03XC202



VICINITY MAP
N.T.S.

DATE PREPARED

JULY 26, 1996

SITE LOCATION

BLOCK & LOT NO.:

40 50 1C

LATITUDE:

N 41° 52' 31"

LONGITUDE:

W 72° 33' 54"

GENERAL INFORMATION

SITE NAME:

Water Tower
Broad Brook, CT 06016

SITE ADDRESS:

Plantation Road

SITE OWNER:

Dean & Caren Rasmussen
44 Main St. PO Box 542
(860) 623-6851

PROJECT TEAM

PROJECT MANAGER:

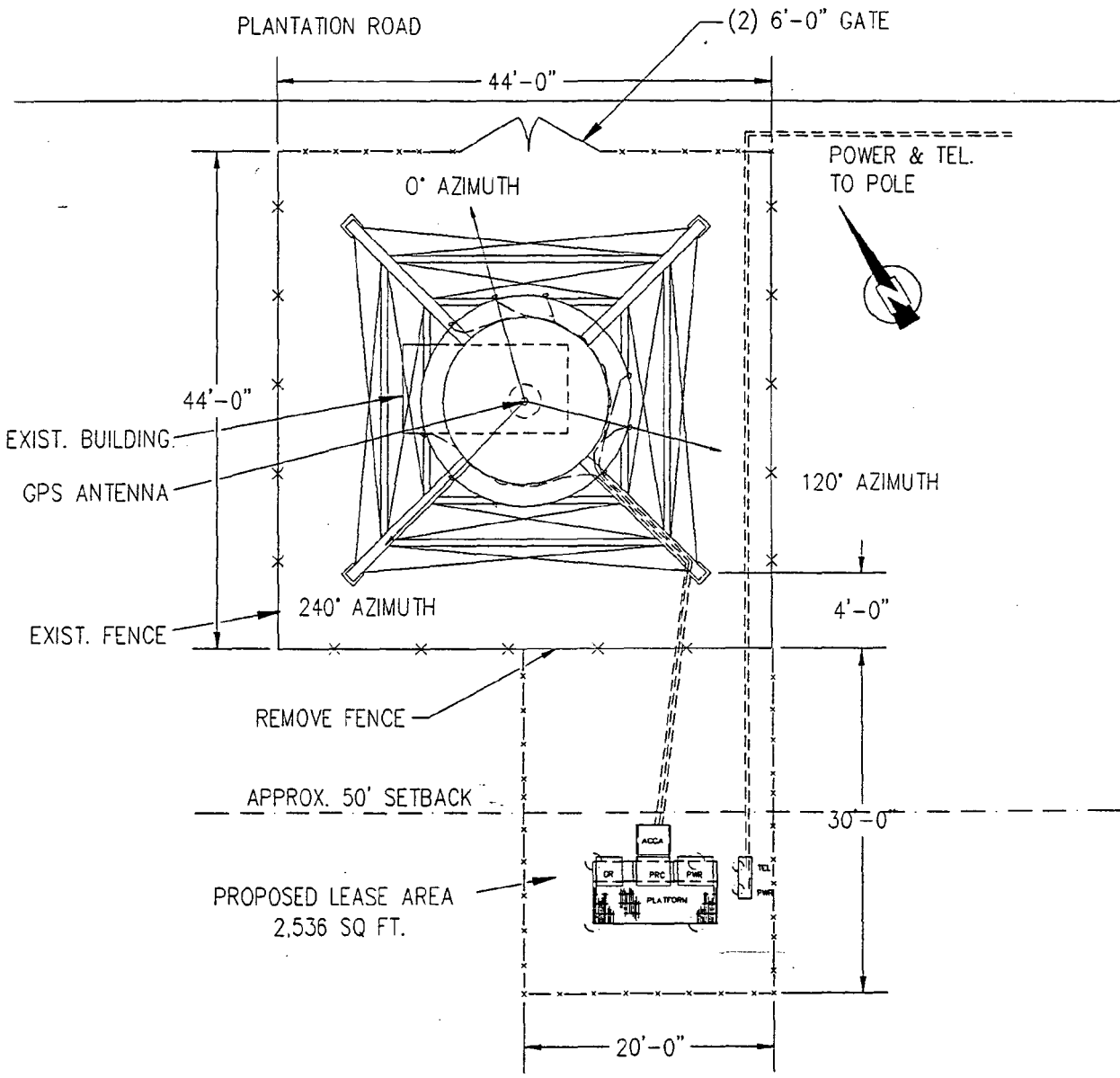
Bechtel
450 Murdock Ave.
Meriden, CT 06450
(203) 238-6910
Contact: Ken Buchanan

ARCHITECT/ENGINEER:

SEA Consultants, Inc.
750 Old Main St. Suite 100
Rocky Hill, CT 06067
(860) 563-7775
Contact: George Pendleton

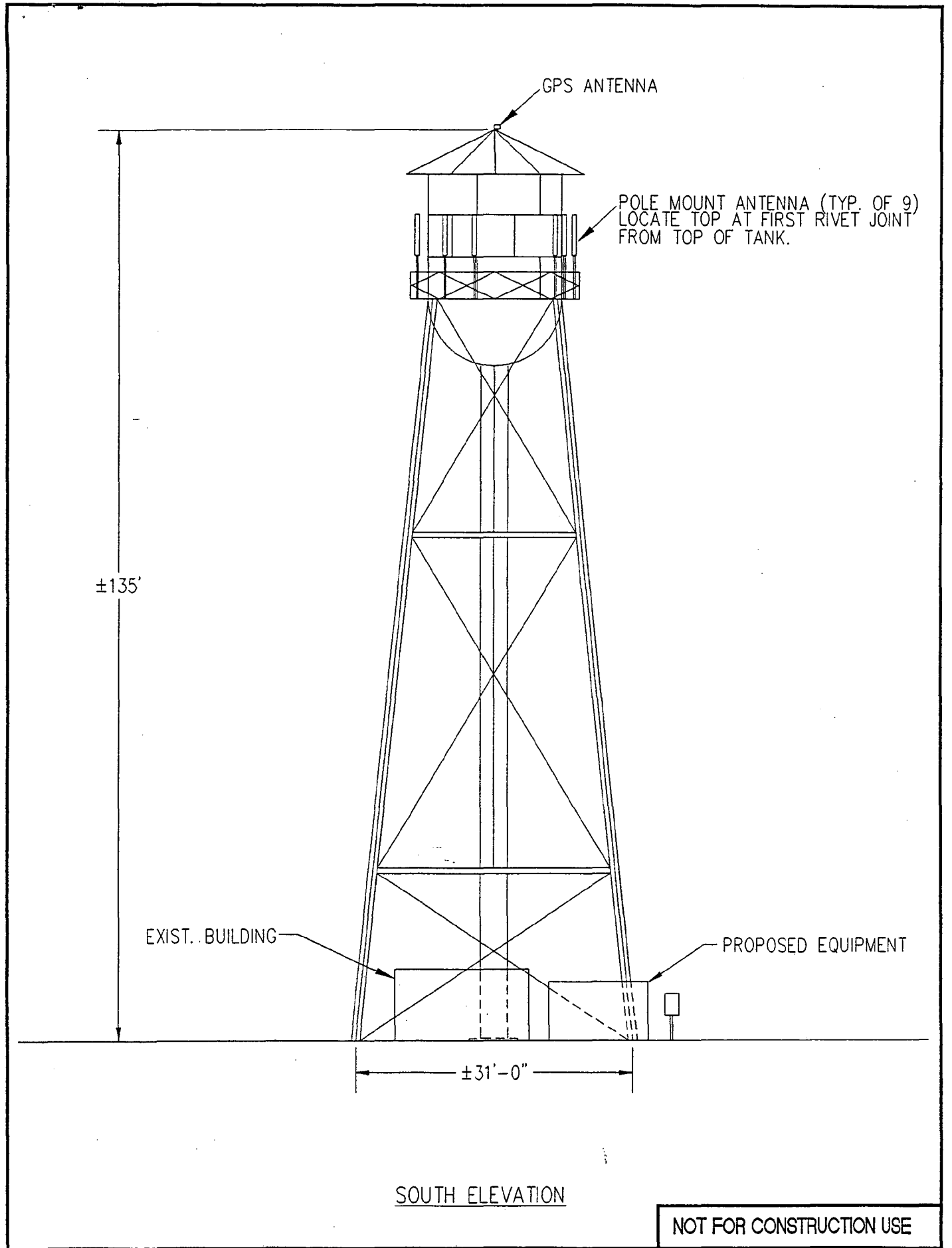
SITE ACQUISITION:

SBA, Inc.
300 Research Parkway
Meriden, CT 06450
(203) 237-1747
Contact: Charles Regulbuto



PROPOSED LAYOUT

NOT FOR CONSTRUCTION USE



COPY

**TOWN OF EAST WINDSOR
PLANNING AND ZONING DEPARTMENT**

TOWN PLANNER
JOSÉ GINER
(860) 623-6030

11 RYE STREET, P.O. BOX 389
BROAD BROOK, CT. 06016

ZONING
ENFORCEMENT OFFICER
WILLIAM J. CARRINGTON JR.
(860) 623-2302

October 17, 1996

Mr. Thomas A. Cookingham, AICP
SBA, Inc.
300 Research Parkway
Meriden, CT 06450


**Re: *Site Plan Approval
Communication Antennae on Existing Water Tower
S/S Plantation Road***

Dear Mr. Cookingham:

Enclosed please find two copies of the approval motion for the above captioned project (one for filing; one for your records). In accordance with condition #1, a copy of the approval motion shall be filed in the land records prior to the signing of the final mylars.

The cost for filing is \$10.00 for the first page and \$5.00 for each additional page. At the time of filing, please have the Town Clerk indicate below and return a copy of this letter to the Planning & Zoning Office. Thank you.

Sincerely,


José Giner, Town Planner

JG/mab
Enclosures
cc: Dean & Caren Rasmussen

P.S. Also enclosed is a copy of the Legal Notice.

Received for Record on:

Nov 6, 1996

at 9:25 A.M./ P.M.

*Karen W. Gaudreau
Asst Town Clerk.*

**TOWN OF EAST WINDSOR - PLANNING & ZONING COMMISSION
OCTOBER 8, 1996 - PUBLIC HEARING #1273**

CONDITIONS OF APPROVAL

**SBA, INC. - APPLICANT
DEAN A. & CAREN E. RASMUSSEN - OWNERS
SITE PLAN APPROVAL
S/S PLANTATION ROAD
BROAD BROOK, CONNECTICUT**

Motion by: Sonia Morell

Seconded by: Brian Chisholm

TO APPROVE the application of SBA, Inc. for Site Plan Approval to place communication antennae on an existing water tower and to locate support equipment adjacent to tower, on property located on the south side of Plantation Road. This property, which is owned by Dean A. and Caren E. Rasmussen, is presently zoned A-1 and is shown on Assessor's Map 40, Block 50, Lot 1C. This approval is subject to conformance with the referenced plans and the following conditions:

Referenced Plans:

- "Property Survey Prepared for Dean & Caren Rasmussen 47 Plantation Road, East Windsor Connecticut Proposed Sprint Spectrum LP Improvements added to survey by SEA Consultants, Inc. Rocky Hill, CT" Dated Received by East Windsor Planning and Zoning Commission September 10, 1996.
- "Lucent Technologies/Bechtel Alliance SSLP Project, Rasmussen Water Tower Site Plan" by SEA Consultants Inc. Dated 9/9/96 and stamped "received" by the East Windsor Planning and Zoning Commission on September 10, 1996.

Conditions to be met prior to signing mylars:

1. A copy of this approval Motion shall be recorded on the land records.

Conditions to be met prior to the issuance of a Zoning Permit:

2. A mylar copy of the referenced plans shall be submitted for the East Windsor Planning and Zoning Commission signature prior to the issuance of zoning permits.

Conditions to be met Prior to Certificate of Compliance:

3. All conditions of this approval motion shall be complied with.

SBA, INC. - APPLICANT
DEAN A. & CAREN E. RASMUSSEN - OWNERS
SITE PLAN APPROVAL
S/S PLANTATION ROAD
BROAD BROOK, CONNECTICUT

General Conditions:

4. No work may begin until a Zoning and Building Permit have been issued.
5. Construction of improvements as approved by this special use/site plan approval must commence by October 8, 1997 and all improvements must be completed within 1 year from the start of construction, otherwise approval shall become null and void unless an extension is granted by the Commission.
6. This Site Plan Approval is for the specific use identified in the application. Any changes in use or tenancy require a new zoning permit and may require additional Commission approvals.
7. No structures or buildings other than what are shown on the approved plans shall be erected without further Site Plan Review by the Commission.
8. This project shall be constructed and maintained in accordance with the referenced plans. Minor modifications to the approved plans which result in lesser impacts may be allowed subject to staff review and approval.
9. By acceptance of this permit and conditions, the applicant and owner acknowledge the right of Town staff to periodically enter upon the subject property for the purpose of determining compliance with the terms of this approval.

VOTE: In Favor: Unanimous

TOWN OF EAST WINDSOR
PLANNING AND ZONING COMMISSION

PN-PZ-S-96-45

Applicant: SBA, Inc.
Address1: 300 Research Parkway Meriden, CT 06450
Town1: Meriden State1: CT Zip1: 06450 Phone1: (203)237-1747
Owner of Record on Land Records: Dean A. & Caren E. Rasmussen
Address2: 44 Main Street
Town2: Broad Brook State2: CT Zip2: 06016 Phone2: (806)623-6851
Street Address of Property: South side Plantation Road East Windsor, CT
Acreage of Property: 35,000 sq. ft. Tax Map #: 040 Block#: 050 Lot#: 01C
Zoning District: AG-1 Is property within 500' of adjoining municipality?: No
Contact Person for Commission/Staff Inquiries: Thomas A. Cookingham, AICP
Address3: SBA, Inc. 300 Research Parkway
Town3: Meriden State3: CT Zip3: 06450 Phone3: (203)237-1747

APPLICATION FOR

- 1. Zone Change from: _____ To: _____
- 2. SPECIAL USE PERMITS

- Rear Lot: _____ Sale of Alcohol: _____ Excavation: _____ Recreational Use: _____
Temporary Liquor Permit: _____ Auto Body Repair: _____ Solid Waste Facility: _____
Other: X 3. Special Development Dist.: _____ 4. Amendment to Zoning Regs: _____
5. Amendment to Plan of Development: _____ 6. Amendment to Special Use Permit: _____
7. Subdivision: _____ # of Lots: _____ 8. Resubdivision: _____ # of Lots2: _____
9. Site Plan Approval: X 10. Administrative Site Plan Approval: _____

Briefly describe the reason for the request: To place communication antennae on an existing water tower and to locate support equipment adjacent to tower.

Signature of Owner(s) Dean Rasmussen Caren E Rasmussen Date 9-9-96

Signature of Applicant(s) Marlene Bauer Date 9/9/96

FOR OFFICE USE ONLY

Received By: Marlene Bauer Date1: 9-9-96

Fee Received: \$175.00 (ch# 19215) Sign Issued: N/A Date2: _____

OFFICIAL DATE OF RECEIPT: 10-8-96 DEADLINE DATE: _____

EXTENSION DATE: _____ PZC ACTION: _____

PLANNING AND ZONING COMMISSION

PN-PZ-S-96-45

Applicant: SBA, Inc.

Address1: 300 Research Parkway Meriden, CT 06450

Town1: Meriden State1: CT Zip1: 06450 Phone1: (203)237-1747

Owner of Record on Land Records: Dean A. & Caren E. Rasmussen

Address2: 44 Main Street

Town2: Broad Brook State2: CT Zip2: 06016 Phone2: (806)623-6851

Street Address of Property: South side Plantation Road East Windsor, CT

Acreage of Property: 35,000 sq. ft. Tax Map #: 040 Block#: 050 Lot#: 01C

Zoning District: AG-1 Is property within 500' of adjoining municipality?: No

Contact Person for Commission/Staff Inquiries: Thomas A. Cookingham, AICP

Address3: SBA, Inc. 300 Research Parkway

Town3: Meriden State3: CT Zip3: 06450 Phone3: (203)237-1747

APPLICATION FOR

1. Zone Change from: _____ To: _____

2. SPECIAL USE PERMITS

Rear Lot: _____ Sale of Alcohol: _____ Excavation: _____ Recreational Use: _____

Temporary Liquor Permit: _____ Auto Body Repair: _____ Solid Waste Facility: _____

Other: 3.Special Development Dist.: _____ 4.Amendment to Zoning Regs: _____

5. Amendment to Plan of Development: _____ 6. Amendment to Special Use Permit: _____

7. Subdivision: _____ # of Lots: _____ 8. Resubdivision: _____ # of Lots2: _____

9. Site Plan Approval: 10. Administrative Site Plan Approval: _____

Briefly describe the reason for the request: To place communication antennae on an existing water tower and to locate support equipment adjacent to tower.

Signature of Owner(s) Dean Rasmussen Caren E. Rasmussen Date 9-9-96

Signature of Applicant(s) Deborah Date 9/9/96

FOR OFFICE USE ONLY

Received By: Marlene Bauer Date1: 9-9-96

Fee Received: \$175.00 (ch# 19215) Sign Issued: N/A Date2: _____

OFFICIAL DATE OF RECEIPT: 10-8-96 DEADLINE DATE: _____

EXTENSION DATE: _____ PZC ACTION: _____

**TOWN OF EAST WINDSOR
PLANNING AND ZONING DEPARTMENT**

TOWN PLANNER
JOSE GINER
(860) 623-6030

11 RYE STREET, P.O. BOX 389
BROAD BROOK, CT. 06016

ZONING ENFORCEMENT
OFFICER
(860) 623-2302

LEGAL NOTICE

EAST WINDSOR PLANNING & ZONING COMMISSION

At a meeting on October 8, 1996, the East Windsor Planning & Zoning Commission took the following action:

1. Voted to grant the Town Planner authorization to do an Administrative Site Plan review on the application of Engelhard Corporation for Administrative Site Plan Approval to enlarge the proposed addition by 575 sq. ft. for property located at 12 Thompson Road. This property is presently zoned M-1 and is shown on Assessor's Map 14, Block 19, Lot 107.
2. Granted the request of Maine Fish Market Restaurant for release of their bond for 60 Bridge Street.
3. Granted the request of Southern Auto Sales, Inc. for release of their Erosion Control Bonds and Performance Bonds for: 186 South Main Street and 205 South Main Street.
4. Granted the request of Anna S. Maslak (Owner) and Dennis Boticello (Operator) for an extension of the Special Use Permit for gravel removal/excavation on Wapping Road. Two year extension granted through 11/13/98.
5. Voted to call the bond for Bridle Path Estates if certain conditions are not met by November 2, 1996 .
6. Approved the proposed Amendment to the East Windsor Zoning Regulations, Section 18, Table Two to allow Day Care Centers & Nursery Schools in B-1 and B-2 Zones by Special Use Permit. This Amendment will become effective on November 6, 1996.
7. Approved the proposed Amendment to the East Windsor Zoning Regulations to repeal current Section 11.10.3 **Removal of Signs** and replace with new Section 11.10.3, to authorize the Zoning Enforcement Officer to affix "Notice of Violation" stickers on signs that violate the Zoning Regulations. This Amendment will become effective on November 6, 1996.
8. Denied the application of Recycled Concrete Products of CT, Inc. for an Amendment to condition #11 of original Site Plan Approval to allow Saturday operations from 8:00 A.M. to 12:00 noon at property located on Apothecaries Hall Road. This property, owned by K & H Properties, is presently zoned M-1 and is shown on Assessor's Map 31, Block 48, Lot 38.
9. Approved, with conditions, the application of SBA, Inc. for Site Plan Approval to place communication antennae on an existing water tower and to locate support equipment adjacent to tower, located on the south side of Plantation Road. This property, which is owned by Dean A. and Caren E. Rasmussen, is presently zoned A-1 and is shown on Assessor's Map 40, Block 50, Lot 1C.

10. Approved, with conditions, the application of Hamilton Standard Division of United Technologies for Site Plan Approval for expansion of existing chip and gas bottle shed to provide coverage for the scrap metal and wood roll off hopper located at 97 Newberry Road. This property, owned by Beckenstein Enterprises, is presently zoned M-1 and is shown on Assessor's Map 15, Block 17, Lot 19A.

Dated at East Windsor, Connecticut, this 10th day of October, 1996.

EAST WINDSOR PLANNING & ZONING COMMISSION

Sonia Morell (mat)
Sonia Morell, Secretary

JOURNAL INQUIRER: TUESDAY, OCTOBER 15, 1996

cc: Gerald Kutner, Engelhard Corporation
J. R. Russo & Associates
Nicholas Varnvilis, Maine Fish Market Restaurant
Lawrence Tribble, Southern Auto Sales, Inc.
Anna S. Maslak
Dennis Boticello
Johann J. Schmid
Recycled Concrete Products of CT, Inc.
K & H Properties -
Thomas A. Cookingham, SBA, Inc.
Dean & Caren Rasmussen
Kevin Sexton, Hamilton Standard
Beckenstein Enterprises
John Rajala, First Selectman
Claire Badstubner, Town Clerk

TOWN OF EAST WINDSOR
PLANNING AND ZONING COMMISSION
Public Hearing #1273 - October 8, 1996

12

Motion by: Sonia Morell Seconded by: Brian Chisholm

Subject of Motion: SITE PLAN APPROVAL: SBA, Inc. Site Plan Approval to place communication antennae on an existing water tower and to locate support equipment adjacent to tower, located on the south side of Plantation Road. This property, which is owned by Dean A. and Caren E. Rasmussen, is presently zoned A-1 and is shown on Assessor's Map 40, Block 50, Lot 1C.

MOTION:

TO APPROVE the application of SBA, Inc. for Site Plan Approval to place communication antennae on an existing water tower and to locate support equipment adjacent to tower, on property located on the south side of Plantation Road. This property, which is owned by Dean A. and Caren E. Rasmussen, is presently zoned A-1 and is shown on Assessor's Map 40, Block 50, Lot 1C. This approval is subject to conformance with the referenced plans and the following conditions:

Referenced Plans:

- "Property Survey Prepared for Dean & Caren Rasmussen 47 Plantation Road, East Windsor Connecticut Proposed Sprint Spectrum LP Improvements added to survey by SEA Consultants, Inc. Rocky Hill, CT" Dated Received by East Windsor Planning and Zoning Commission September 10, 1996.
- "Lucent Technologies/Bechtel Alliance SSLP Project, Rasmussen Water Tower Site Plan" by SEA Consultants Inc. Dated 9/9/96 and stamped "received" by the East Windsor Planning and Zoning Commission on September 10, 1996.

Conditions to be met prior to signing mylars:

1. A copy of this approval Motion shall be recorded on the land records.

Conditions to be met prior to the issuance of a Zoning Permit:

2. A mylar copy of the referenced plans shall be submitted for the East Windsor Planning and Zoning Commission signature prior to the issuance of zoning permits.

Conditions to be met Prior to Certificate of Compliance:

3. All conditions of this approval motion shall be complied with.

General Conditions:

4. No work may begin until a Zoning and Building Permit have been issued.

**TOWN OF EAST WINDSOR
PLANNING AND ZONING COMMISSION
Public Hearing #1273 - October 8, 1996**

13

5. Construction of improvements as approved by this special use/site plan approval must commence by October 8, 1997 and all improvements must be completed within 1 year from the start of construction, otherwise approval shall become null and void unless an extension is granted by the Commission.

6. This Site Plan Approval is for the specific use identified in the application. Any changes in use or tenancy require a new zoning permit and may require additional Commission approvals.

7. No structures or buildings other than what are shown on the approved plans shall be erected without further Site Plan Review by the Commission.

8. This project shall be constructed and maintained in accordance with the referenced plans. Minor modifications to the approved plans which result in lesser impacts may be allowed subject to staff review and approval.

9. By acceptance of this permit and conditions, the applicant and owner acknowledge the right of Town staff to periodically enter upon the subject property for the purpose of determining compliance with the terms of this approval.

VOTE: In Favor: Unanimous

*** * * * ***

TOWN OF EAST WINDSOR

PLANNING AND ZONING DEPARTMENT

11 RYE STREET, P.O. BOX 389

BROAD BROOK, CT. 06016


FAX:(860) 623-4798

E-Mail: jginer@east-windsor.connix.com

TOWN PLANNER
JOSÉ GINER
(860) 623-6030

ZONING
ENFORCEMENT OFFICER
WILLIAM J. CARRINGTON JR.
(860) 623-2302

MEMORANDUM

TO: East Windsor Planning and Zoning Commission
FROM: José Giner, Town Planner 
DATE: October 8, 1996
SUBJECT: SBA, Inc. - Site Plan Approval - Communication Antennae - Plantation Road

The applicants are proposing to place communication antennae on an existing water tower and a new equipment building adjacent to the tower. This application is similar to the proposal that was granted approval at the Crop Production Services site on Chamberlain Road a few months back.

TO APPROVE the application of SBA, Inc. for Site Plan Approval to place communication antennae on an existing water tower and to locate support equipment adjacent to tower, on property located on the south side of Plantation Road. This property, which is owned by Dean A. and Caren E. Rasmussen, is presently zoned A-1 and is shown on Assessor's Map 40, Block 50, Lot 1C. This approval is subject to conformance with the referenced plans and the following conditions:

Referenced Plans:

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General Conditions:

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8.This project shall be constructed and maintained in accordance with the referenced plans. Minor modifications to the approved plans which result in lesser impacts may be allowed subject to staff review and approval.

9.By acceptance of this permit and conditions, the applicant and owner acknowledge the right of Town staff to periodically enter upon the subject property for the purpose of determining compliance with the terms of this approval.

10. The tower shall be secured and maintained in an aesthetically pleasing manner.

Norton Engineering

Civil Engineering and Land Planning

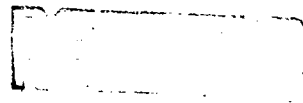
MEMO

To: Mr. José Giner
From: Leonard J. Norton, P.E.
Subject: Rasmussen Property - Plantation Road - Antennae
Date: September 25, 1996

In response to your request, I have reviewed the plans for the subject proposal.

At this time, my only comment is that silt fence should be utilized, as necessary, if soil is to be moved or stockpiled for any construction associated with this proposal.

Please call if you have any questions.



SEP 26 1996

**PLANNING AND ZONING COMMISSION
REFERRAL TO CONSERVATION COMMISSION**

APPLICANT: SBA, Inc. (Rasmussen property) TEL. # 737-1747

REQUEST FOR: Communication antennae on existing water tower and to locate support equipment adjacent to tower.

LOCATION OF PROPERTY: South side of Plantation Road Map 40 Block 50 Lot 1C
(Include Location Map)

ACREAGE: 35,000 sq. ft.

DATE OF PLANNING & ZONING COMMISSION PUBLIC HEARING: _____

INDICATE IF THIS REFERRAL IS FOR ZONING PURPOSES ONLY: YES or NO

The East Windsor Conservation Commission/Inland-Wetland Watercourse Agency has reviewed the above application and has determined that:

JURISDICTION

- XX (1) *There are no wetlands/watercourses on the property and the Conservation Commission has NO Jurisdiction on this application.*
- _____ (2) *There ARE wetlands/watercourses on the property and an application for an Inland-Wetlands Permit must be filed with the Conservation Commission.*
- _____ (3) *Proposal shall have no negative impact on wetlands/watercourses on the property and therefore, the Conservation Commission has no objection to the issuance of a Zoning/Building Permit for this project.*
- _____ (4) *There ARE wetlands/watercourses on the property, however, this development is due to a farming operation, and therefore, is exempt.*
- _____ (5) *Not Applicable.*

COMMENTS

- _____ (1) *The proposal, as presented, should have no negative impacts on wetlands/watercourses. The Conservation Commission has no objections to this application.*
- _____ (2) *The proposal may adversely impact wetlands/watercourses and the Conservation Commission does not support this application.*
- _____ (3) *Additional information is needed to review this application. Specify: _____*

- _____ (4) *Other comments: _____*

SIGNATURE OF CHAIRMAN Leo Szymanski / NR DATE 9-16-96
Leo Szymanski

FILE COPY

**TOWN OF EAST WINDSOR
PLANNING AND ZONING DEPARTMENT**

TOWN PLANNER
JOSE GINER
(860) 623-6030

**11 RYE STREET, P.O. BOX 389
BROAD BROOK, CT. 06016**

*ZONING
ENFORCEMENT OFFICER*
WILLIAM J. CARRINGTON JR.
(860) 623-2302

September 30, 1996

Thomas A. Cookingham, AICP
SBA, Inc.
300 Research Parkway
Meriden, CT 06450

**Re: Site Plan Approval
Communication Antennae - Plantation Road**

Dear Mr. Cookingham:

Enclosed please find a copy of a memorandum from Leonard J. Norton, Town Engineer, dated September 25, 1996 regarding the above captioned project.

If you have any questions, please do not hesitate to call this office.

Sincerely,


José Giner, Town Planner

JG/mab
Enclosure

Norton Engineering

Civil Engineering and Land Planning

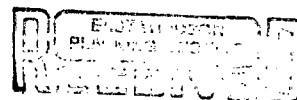
MEMO

To: Mr. José Giner
From: Leonard J. Norton, P.E.
Subject: Rasmussen Property - Plantation Road - Antennae
Date: September 25, 1996

In response to your request, I have reviewed the plans for the subject proposal.

At this time, my only comment is that silt fence should be utilized, as necessary, if soil is to be moved or stockpiled for any construction associated with this proposal.

Please call if you have any questions.



SEP 26 1996

New Cingular Wireless PCS, LLC
50 Plantation Rd., Site Plan (antennas)

Approved: 6-12-2012

PROJECT INFORMATION

SCOPE OF WORK: UNMANNED TELECOMMUNICATIONS FACILITY MODIFICATIONS
 SITE ADDRESS: 50 PLANTATION ROAD
 EAST WINDSOR, CT 06016
 LATITUDE: 41.875639 N 41° 52' 31.3" N
 LONGITUDE: 72.564785 W 72° 33' 53.23" W
 JURISDICTION: NATIONAL, STATE & LOCAL CODES OR ORDINANCES
 CURRENT USE: TELECOMMUNICATIONS FACILITY
 PROPOSED USE: TELECOMMUNICATIONS FACILITY



SITE NUMBER: CT1140
SITE NAME: EAST WINDSOR WATER TOWER

DRAWING INDEX

REV

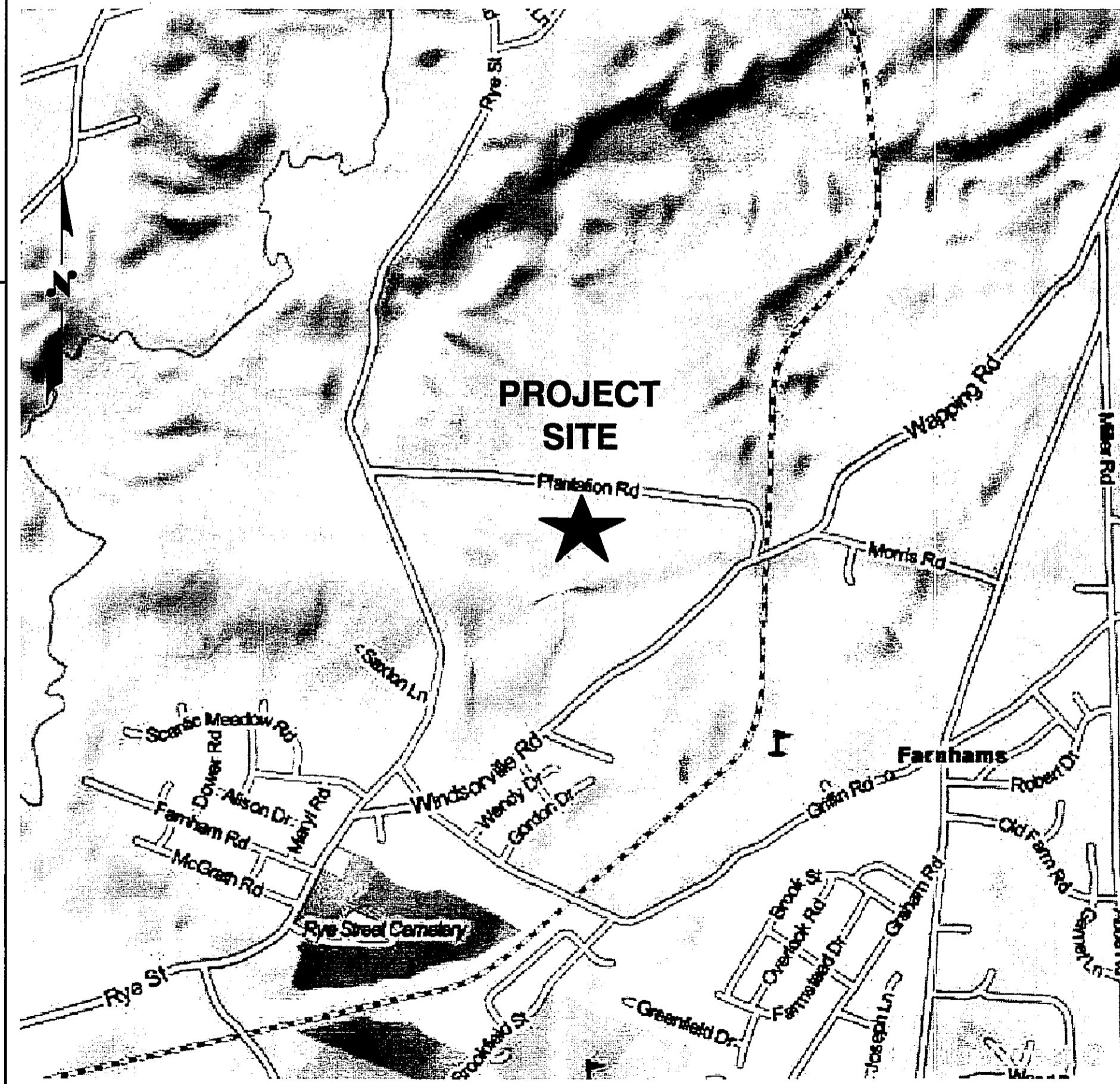
VICINITY MAP

GENERAL NOTES

- T-1 TITLE SHEET**
- GN-1 GENERAL NOTES**
- A-1 EQUIPMENT & COMPOUND PLAN**
- A-2 ELEVATION PLAN**
- A-3 ANTENNA PLAN**
- A-4 DETAILS**
- G-1 PLUMBING DIAGRAM & GROUNDING DETAILS**

- 1
- 1
- 1
- 1
- 1
- 1
- 1

DIRECTIONS:
 START OUT GOING NORTHEAST ON ENTERPRISE DR TOWARD CAPITOL BLVD. 0.4 TURN LEFT ONTO CAPITOL BLVD. 0.2 MI TURN LEFT ONTO WEST ST 0.2 MI TAKE RAMP LEFT FOR I-91 NORTH 7.8 MI AT EXIT 29, TAKE RAMP RIGHT FOR CT-15 NORTH US-5 NORTH TOWARD E. HARTFORD / BOSTON 0.6 MI AT EXIT 90, TAKE RAMP RIGHT FOR US-5 NORTH TOWARD E. RIVER DR NORWICH 0.6 MI TURN LEFT ONTO US-5 MAIN STECONO LODGE ON THE CORNER 0.9 MI KEEP STRAIGHT ONTO US-5 US-44 MAIN ST 0.4 MI KEEP STRAIGHT ONTO US-5 MAIN ST PASS GULF IN 2.0 MI 6.4 MI TURN RIGHT ONTO CT-194 SULLIVAN AVE 0.3 MI BEAR LEFT ONTO RYE STEXXON ON THE CORNER 2.2 MI TURN RIGHT ONTO PLANTATION RD 0.5 MI ARRIVE AT 50 PLANTATION RD.



1. THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF AT&T. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.
2. THE FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.
3. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE AT&T REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

CALL



BEFORE YOU DIG



CALL TOLL FREE 800-922-4455

50 Plantation Road

UNDERGROUND SERVICE ALERT

Hudson Design Group
 1400 OSGOOD STREET
 BUILDING 20 NORTH, SUITE 2-101
 N. ANDOVER, MA 01845
 TEL: (978) 557-5553
 FAX: (978) 336-5586

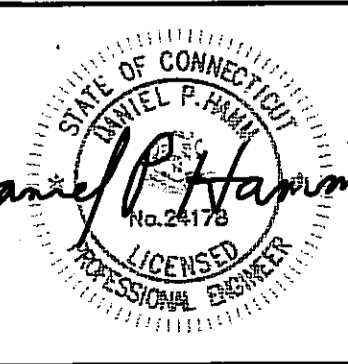
NEXLINK GLOBAL SERVICES
 a UniTek GLOBAL SERVICES company
 800 MARSHALL PHELPS ROAD UNIT#: 2A
 WINDSOR, CT 06095

SITE NUMBER: CT1140
SITE NAME: EAST WINDSOR WATER TOWER
 50 PLANTATION ROAD
 EAST WINDSOR, CT 06016
 HARTFORD COUNTY

at&t
 500 ENTERPRISE DRIVE, SUITE 3A
 ROCKY HILL, CT 06067

| NO. | DATE | REVISIONS | BY | CHK | APP'D |
|-----|----------|-------------------------|----|-----|-------|
| 1 | 04/06/12 | ISSUED FOR CONSTRUCTION | PN | DC | DPH |
| 0 | 03/06/12 | ISSUED FOR REVIEW | RP | DC | DPH |

SCALE: AS SHOWN DESIGNED BY: RP DRAWN BY: RP



| | |
|-------------------|----------------|
| AT&T | |
| TITLE SHEET (LTE) | |
| JOB NUMBER | DRAWING NUMBER |
| 1140.01 | T-1 |
| | REV |
| | 1 |

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) LIGHTING 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 GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GES'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 RING, IN ACCORDANCE WITH THE NEC.
11. METAL CONDUIT SHALL BE MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWS COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
12. ALL NEW STRUCTURES WITH A FOUNDATION AND/OR FOOTING HAVING 20 FT. OR MORE OF 1/2 IN. OR GREATER ELECTRICALLY CONDUCTIVE REINFORCING STEEL MUST HAVE IT BONDED TO THE GROUND RING USING AN EXOTHERMIC WELD CONNECTION USING #2 AWG SOLID BARE TINNED COPPER GROUND WIRE, PER NEC 250.50

GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
 CONTRACTOR - NEXLINK
 SUBCONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)
 OWNER - AT&T MOBILITY
 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 ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, 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 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 DRAWING. 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. SUBCONTRACTOR 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 PREMISES 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 4000 PSI STRENGTH AT 28 DAYS. ALL CONCRETE WORK SHALL BE DONE 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) UNLESS OTHERWISE NOTED. PIPES SHALL BE ASTM A53 TYPE E (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 UMS SPECIFICATIONS AND "GENERAL CONSTRUCTION SERVICES FOR CONSTRUCTION OF AT&T MOBILITY 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 OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
 18. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION 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 MAINTENANCE 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 CONTRACT AWARD SHALL GOVERN THE DESIGN.
 BUILDING CODE: 2003 IBC WITH 2005 CT SUPPLEMENT & 2009 CT AMENDMENTS
 ELECTRICAL CODE: REFER TO ELECTRICAL DRAWINGS
 LIGHTENING 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, NINTH EDITION;
- TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-F, STRUCTURAL STANDARDS FOR STEEL
- ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES; REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC ELECTRICAL STANDARDS.
- FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ABBREVIATIONS

| | | | | | |
|----------|--------------------------|----------|--------------------|------|----------------------------|
| AGL | ABOVE GRADE LEVEL | G.C. | GENERAL CONTRACTOR | RF | RADIO FREQUENCY |
| AWG | AMERICAN WIRE GAUGE | MGB | MASTER GROUND BUS | | |
| BCW | BARE COPPER WIRE | MIN | MINIMUM | TBD | TO BE DETERMINED |
| BTS | BASE TRANSCIEVER STATION | PROPOSED | NEW | TBR | TO BE REMOVED |
| EXISTING | EXISTING | N.T.S. | NOT TO SCALE | TBRR | TO BE REMOVED AND REPLACED |
| EG | EQUIPMENT GROUND | REF | REFERENCE | | |
| EGR | EQUIPMENT GROUND RING | REQ | REQUIRED | TYP | TYPICAL |

Hudson Design Group
 1400 OSGOOD STREET
 BUILDING 20 NORTH, SUITE 2-101
 N. ANDOVER, MA 01845
 TEL: (978) 557-5553
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 a UniTek GLOBAL SERVICES company
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 WINDSOR, CT 06095

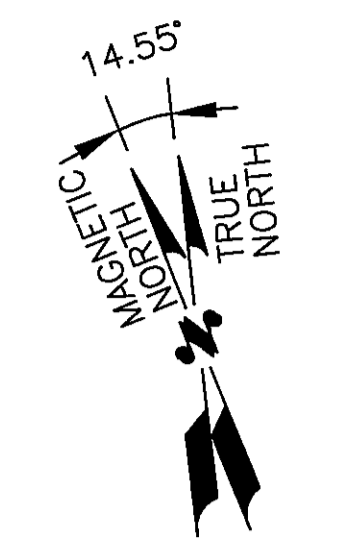
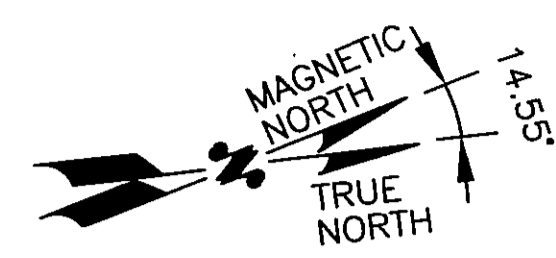
SITE NUMBER: CT1140
SITE NAME: EAST WINDSOR WATER TOWER
 50 PLANTATION ROAD
 EAST WINDSOR, CT 06016
 HARTFORD COUNTY

500 ENTERPRISE DRIVE, SUITE 3A
 ROCKY HILL, CT 06067

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| 0 | 03/06/12 | ISSUED FOR REVIEW | RP | DC | DPH |
| SCALE: AS SHOWN | | DESIGNED BY: RP | DRAWN BY: RP | | |

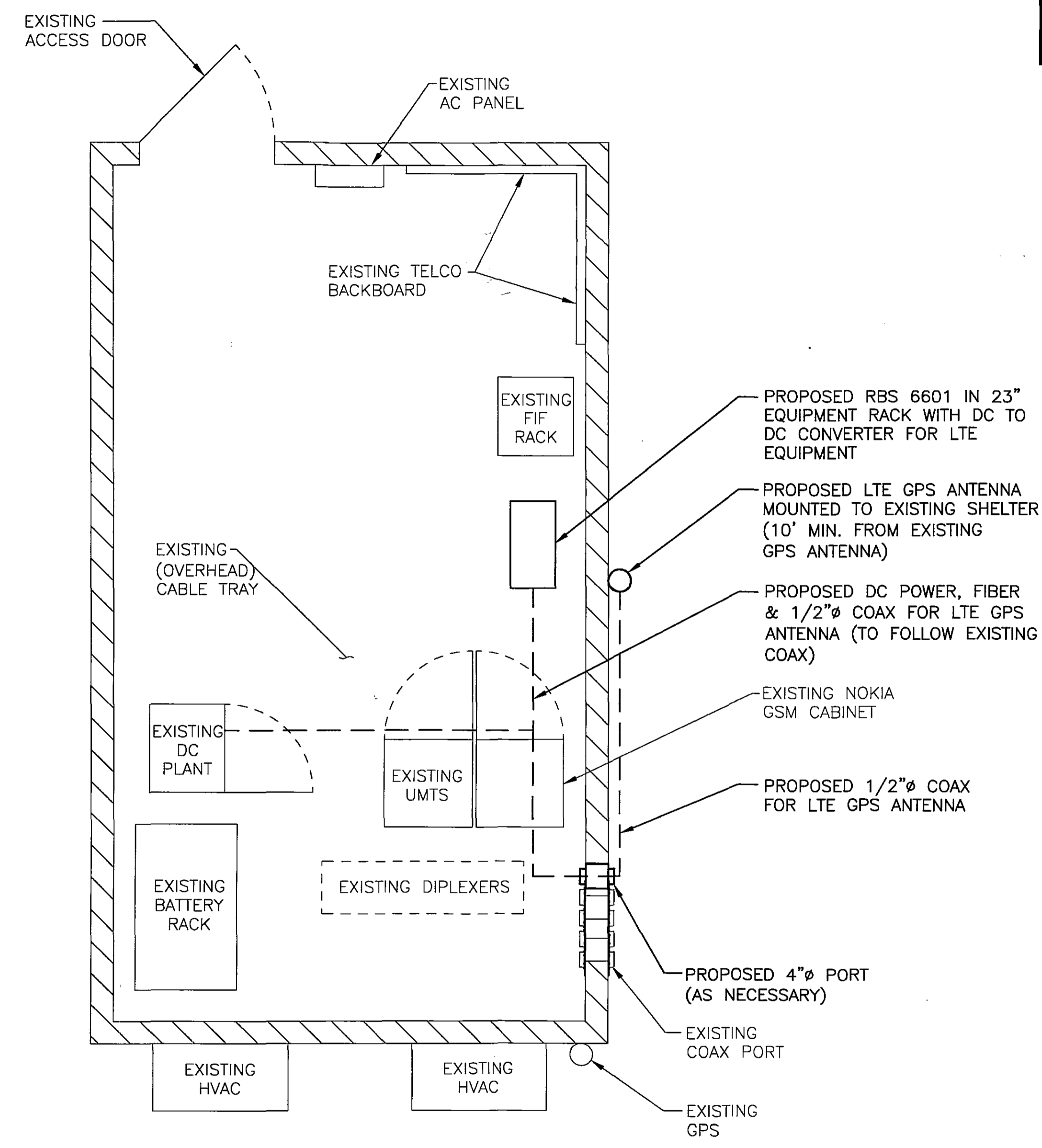
Daniel P. Harmon
 LICENSED PROFESSIONAL ENGINEER
 No. 24175

| | | |
|---------------------|----------------|-----|
| AT&T | | |
| GENERAL NOTES (LTE) | | |
| JOB NUMBER | DRAWING NUMBER | REV |
| 1140.01 | GN-1 | 1 |

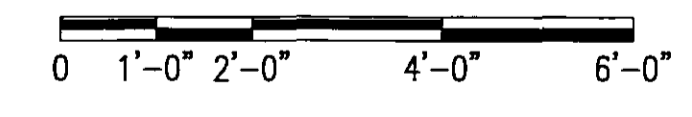


NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

NOTE:
ALL ANTENNAS AND COAX TO BE INSTALLED IN ACCORDANCE WITH STRUCTURAL ANALYSIS PROVIDED BY: HUDSON DESIGN GROUP, LLC DATED: MARCH 26, 2012.



EQUIPMENT PLAN
SCALE: 1/2"=1'-0"



PROPOSED AT&T LTE ANTENNA MOUNTED TO EXISTING MOUNTING PIPE (TYP. OF 1 PER SECTOR, TOTAL OF 3)
ALPHA SECTOR: P65-17-XLH-RR
BETA SECTOR: P65-17-XLH-RR
GAMMA SECTOR: AM-X-CD-16-65-00T

PROPOSED SURGE ARRESTOR DC2-48-60-0-9E WITH UNISTRUT, MOUNTED TO EXISTING MOUNTING PIPE (TYP. OF 1 PER SECTOR, TOTAL OF 3)

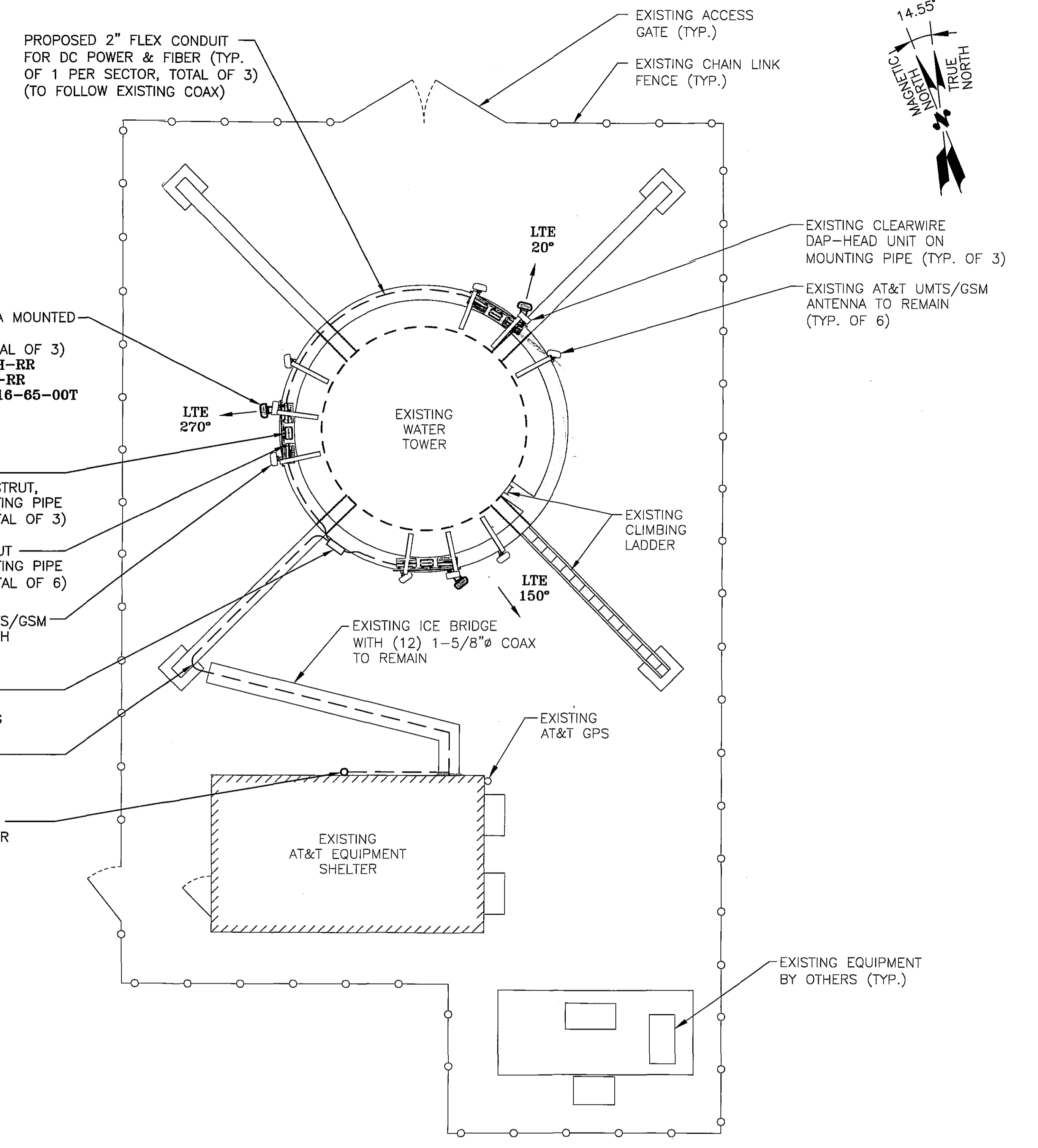
PROPOSED RRH WITH UNISTRUT MOUNTED TO EXISTING MOUNTING PIPE (TYP. OF 2 PER SECTOR, TOTAL OF 6)

PROPOSED PAN EXISTING UMTS/GSM ANTENNA TO NEW LTE AZIMUTH

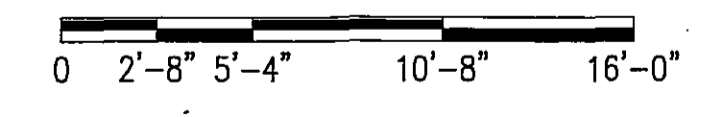
PROPOSED FIBER POWER CONNECTOR FC12-PC6-10E MOUNTED TO EXISTING RAILING

PROPOSED 3" FLEX CONDUIT FOR DC POWER & FIBER, (TO FOLLOW EXISTING COAX)

PROPOSED LTE GPS ANTENNA MOUNTED TO EXISTING SHELTER (10' MIN. FROM EXISTING GPS ANTENNA)



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



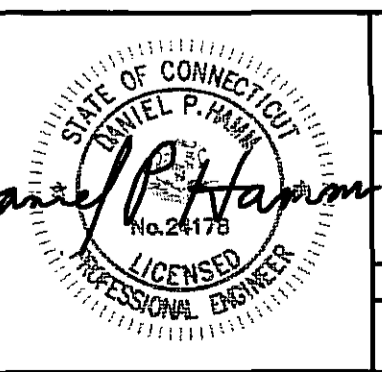
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1600 OSGOOD STREET
BUILDING 20 NORTH, SUITE 2-101
N. ANDOVER, MA 01845
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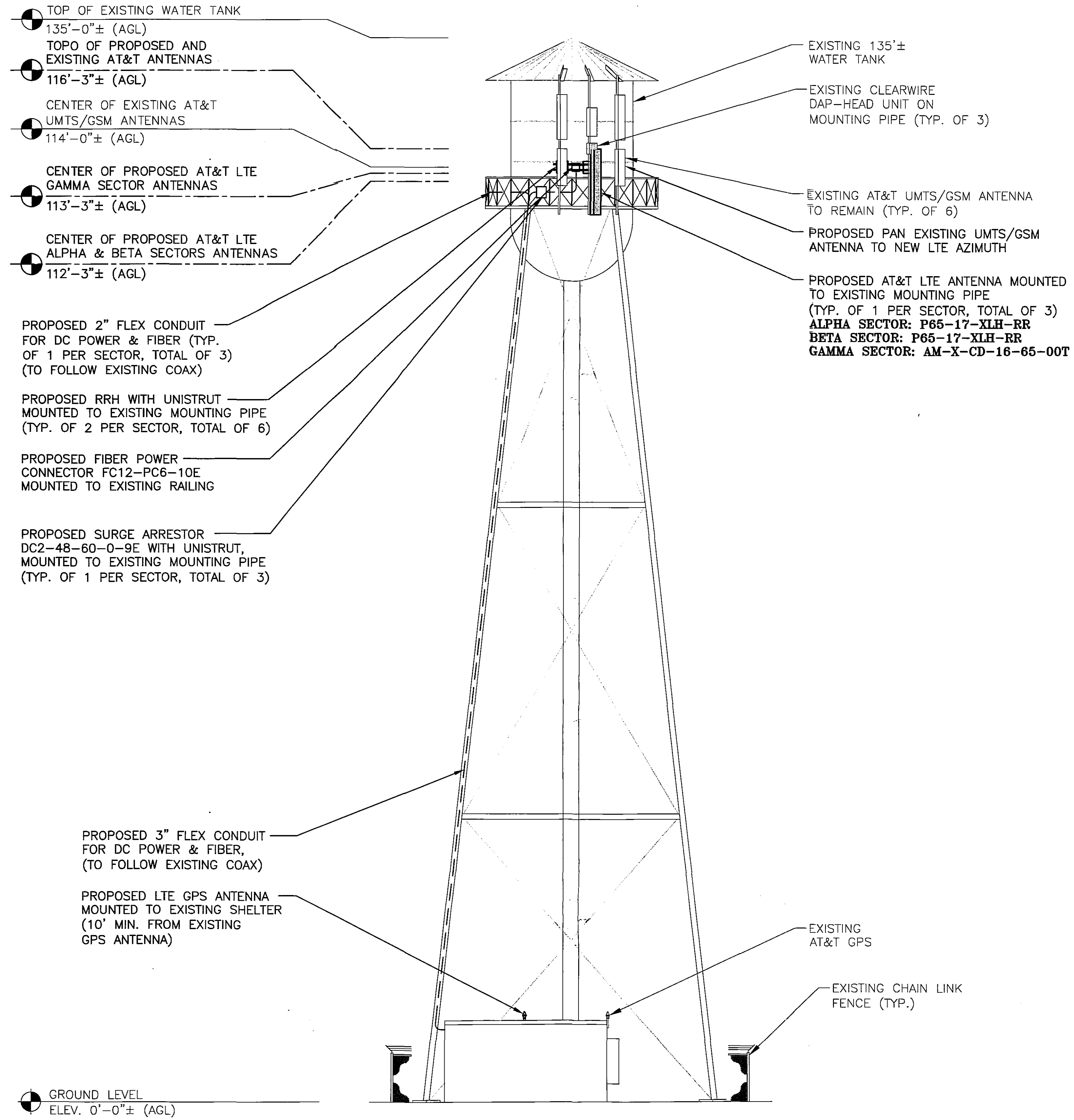
SITE NUMBER: CT1140
SITE NAME: EAST WINDSOR WATER TOWER
50 PLANTATION ROAD
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| SCALE: AS SHOWN | | DESIGNED BY: RP | DRAWN BY: RP | | |



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| AT&T | | |
| EQUIPMENT & COMPOUND PLAN (LTE) | | |
| JOB NUMBER | DRAWING NUMBER | REV |
| 1140.01 | A-1 | 1 |

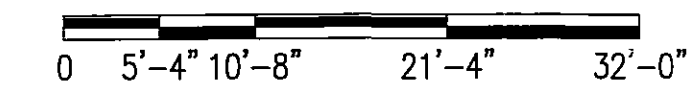


NOTE:
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NOTE:
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SOUTH ELEVATION

SCALE: 3/32"=1'-0"



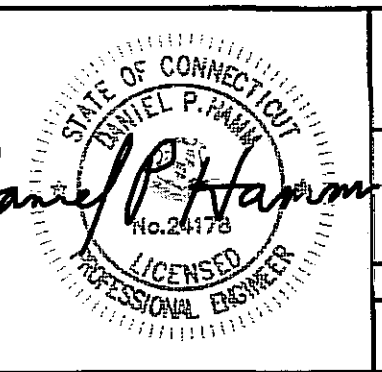
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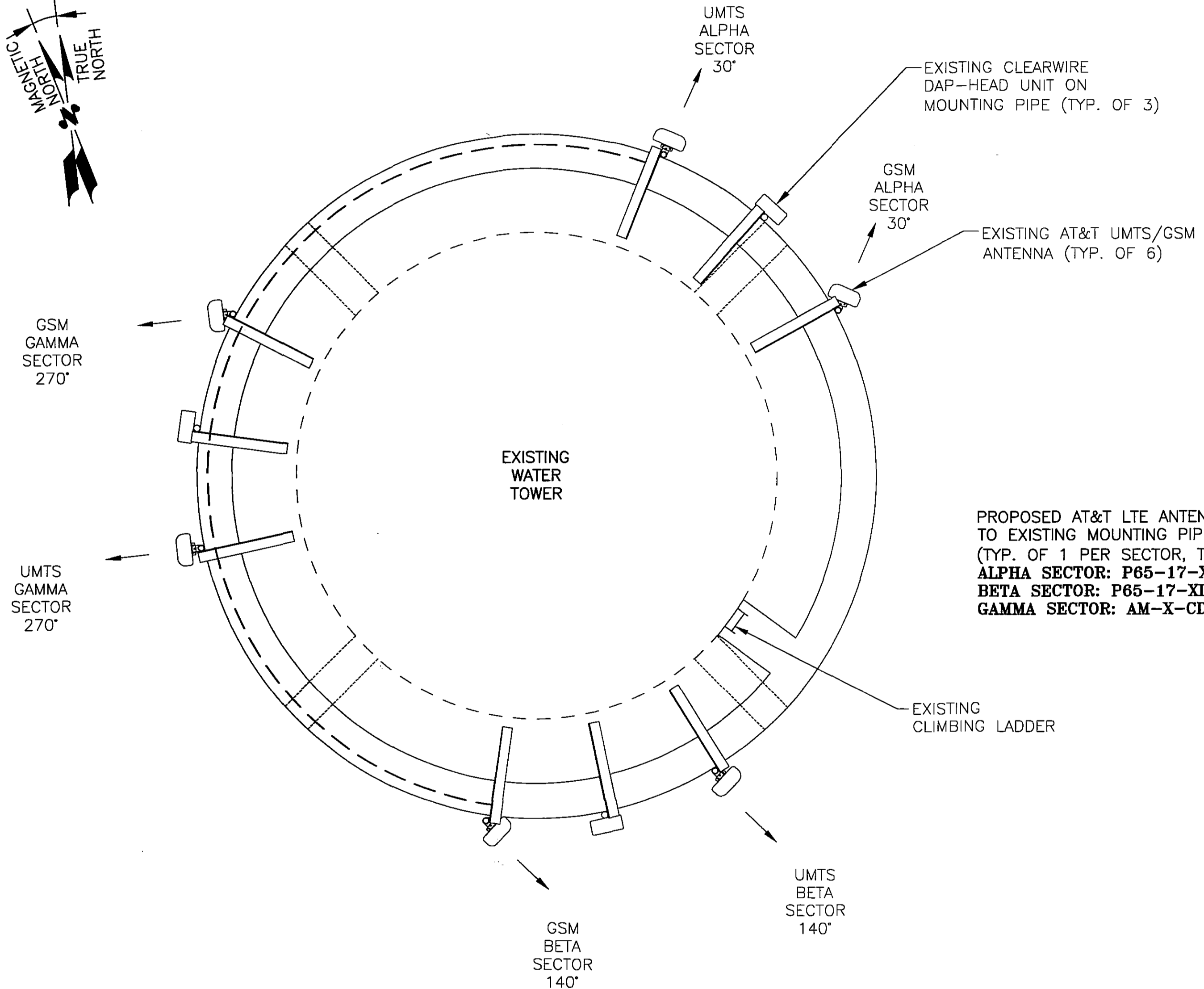
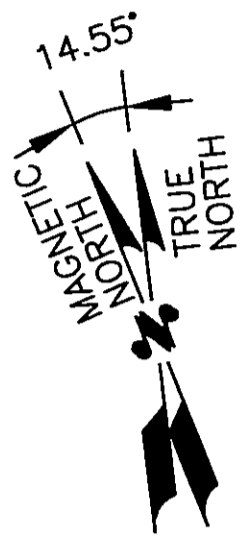
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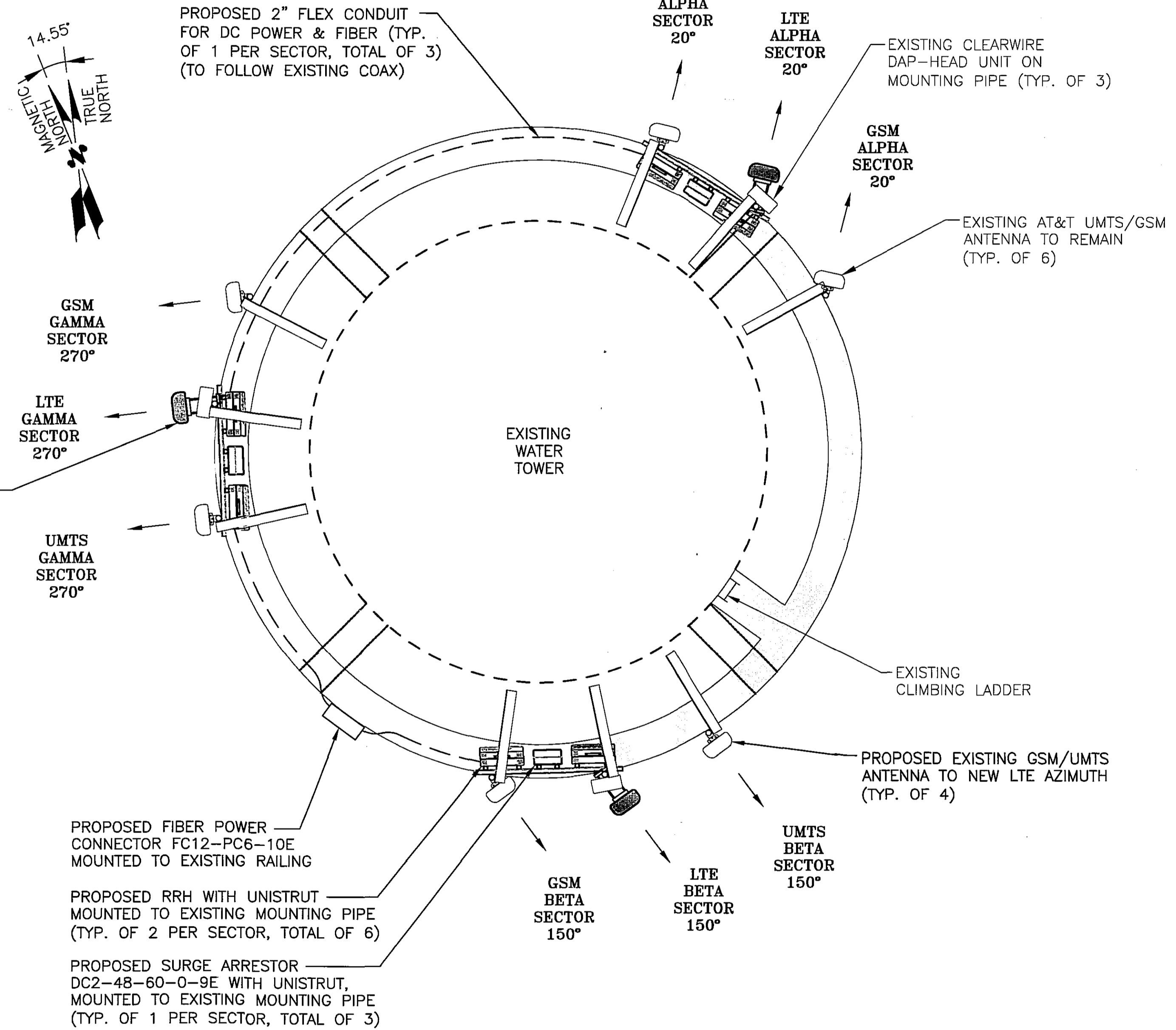
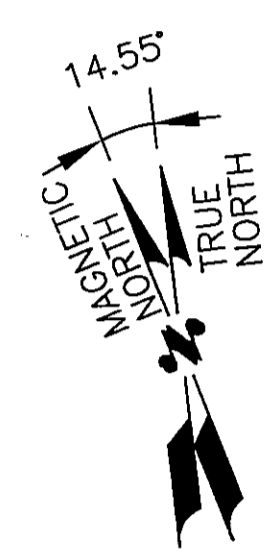
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| AT&T | |
| ELEVATION PLAN (LTE) | |
| JOB NUMBER | DRAWING NUMBER |
| 1140.01 | A-2 |
| | REV |
| | 1 |

NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

NOTE:
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EXISTING UMTS/GSM ANTENNA PLAN
SCALE: N.T.S.



PROPOSED LTE ANTENNA PLAN
SCALE: N.T.S.

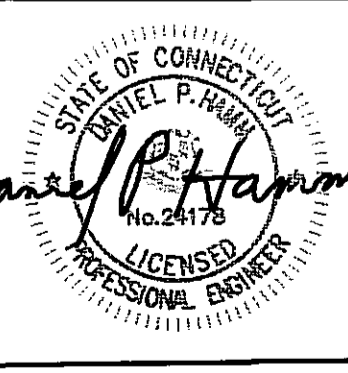
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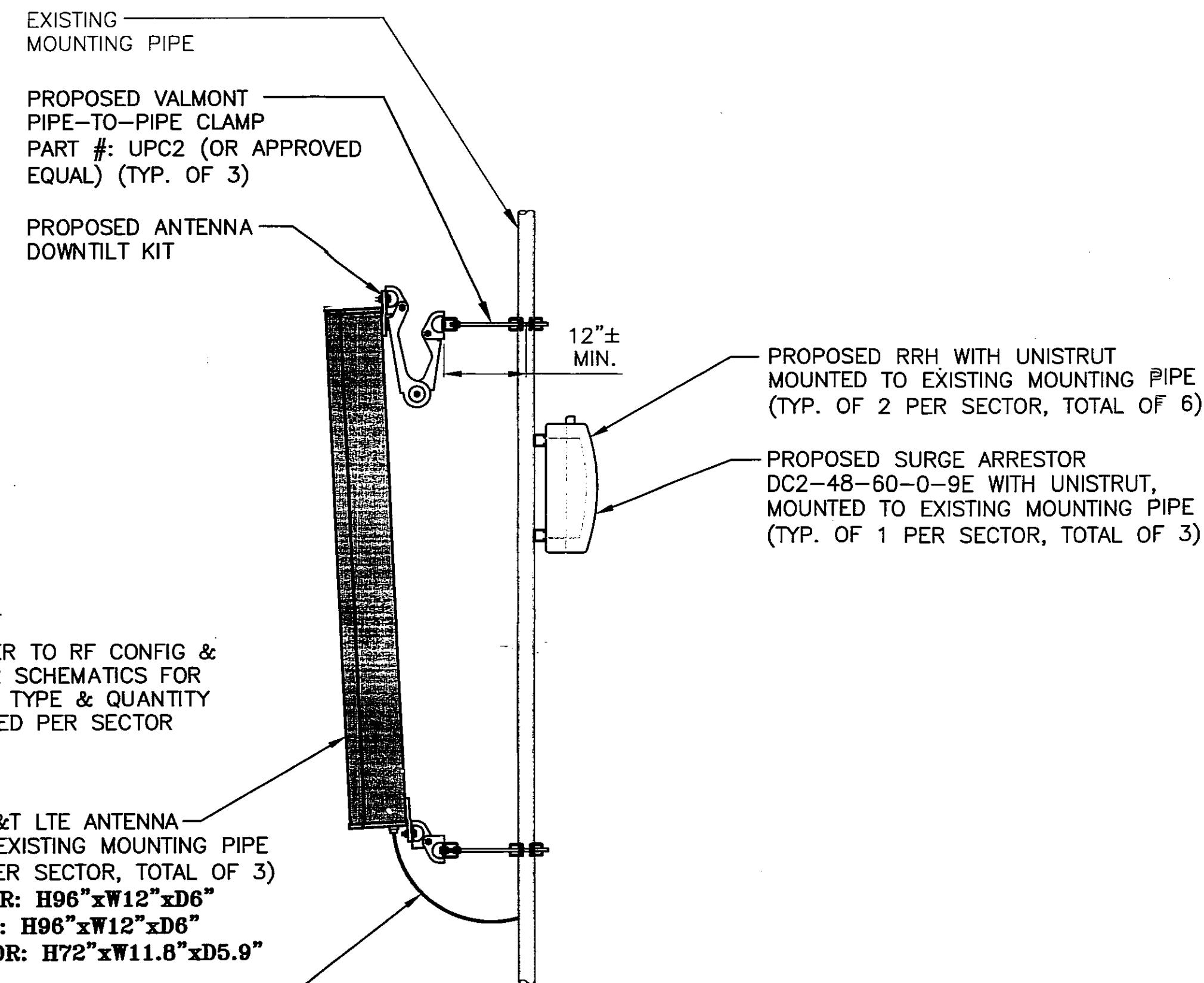
SITE NUMBER: CT1140
SITE NAME: EAST WINDSOR WATER TOWER
50 PLANTATION ROAD
EAST WINDSOR, CT 06016
HARTFORD COUNTY

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ROCKY HILL, CT 06067

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| AT&T | | |
| ANTENNA PLAN (LTE) | | |
| JOB NUMBER | DRAWING NUMBER | REV |
| 1140.01 | A-3 | 1 |



PROPOSED LTE ANTENNA MOUNTING DETAIL

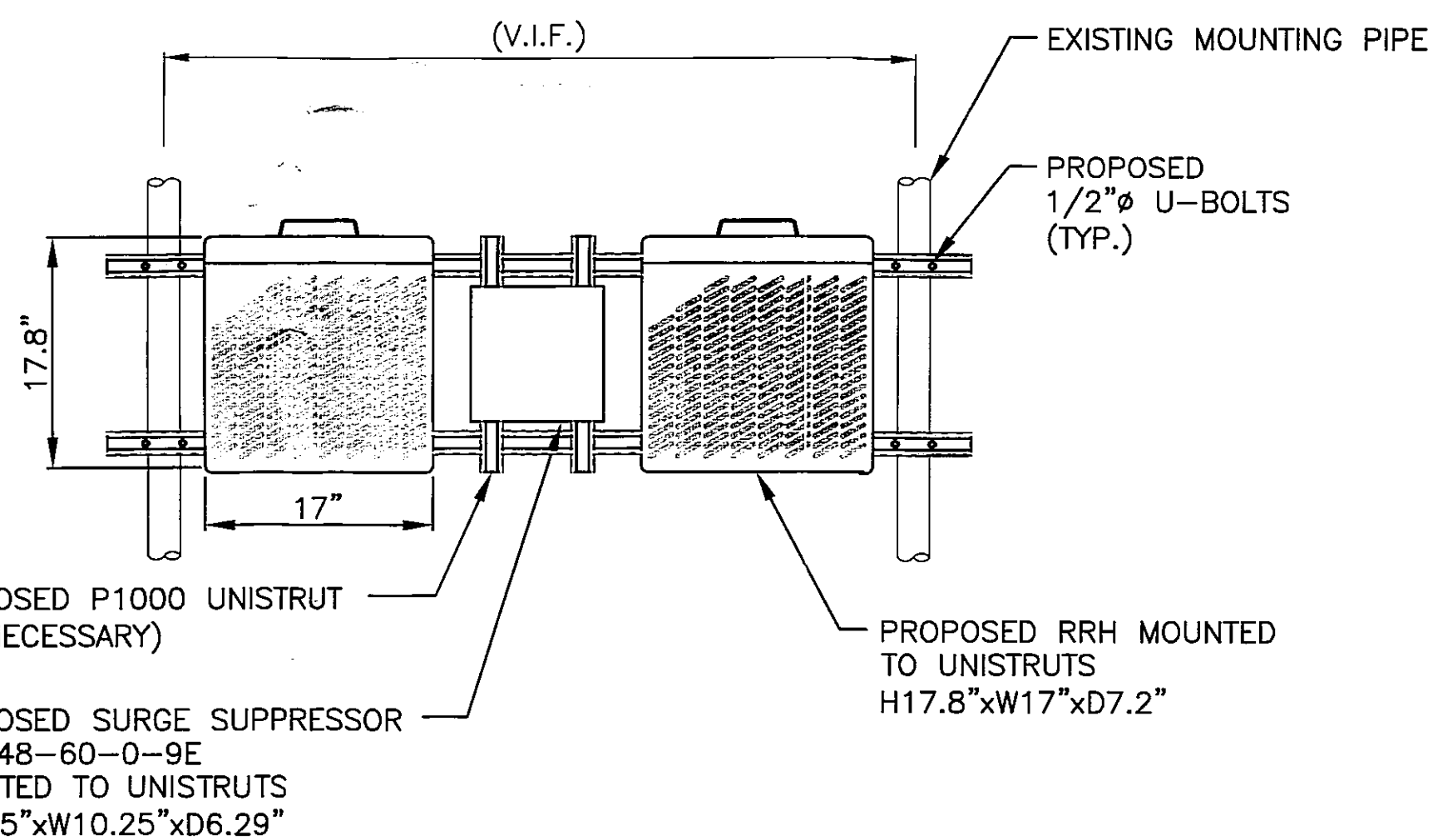
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NOTES:

1. REFER TO RF CONFIG & SECTOR SCHEMATICS FOR MODEL, TYPE & QUANTITY REQUIRED PER SECTOR

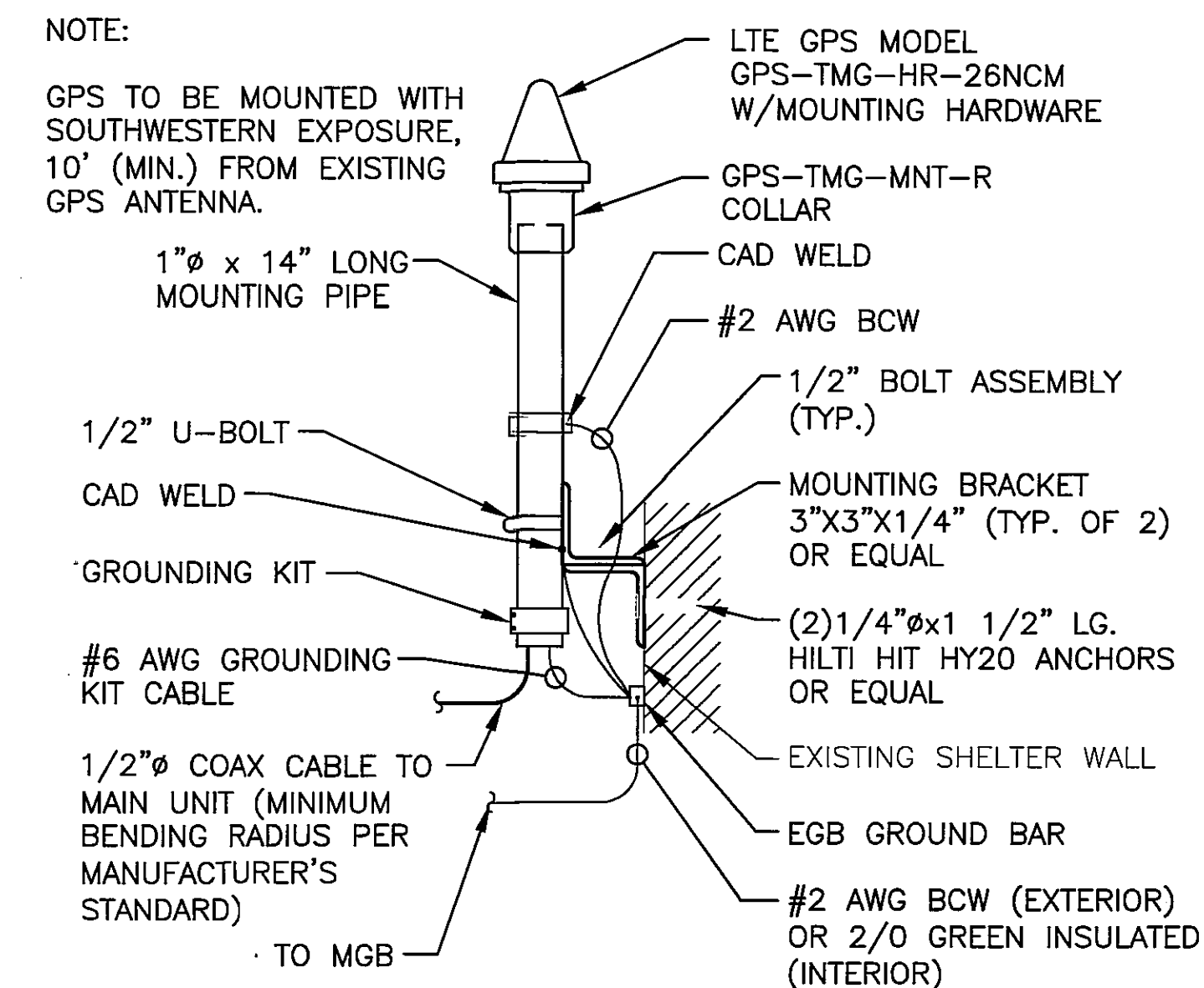
NOTE:
 REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

NOTE:
 ALL ANTENNAS AND COAX TO BE INSTALLED IN ACCORDANCE WITH STRUCTURAL ANALYSIS PROVIDED BY: HUDSON DESIGN GROUP, LLC DATED: MARCH 26, 2012.



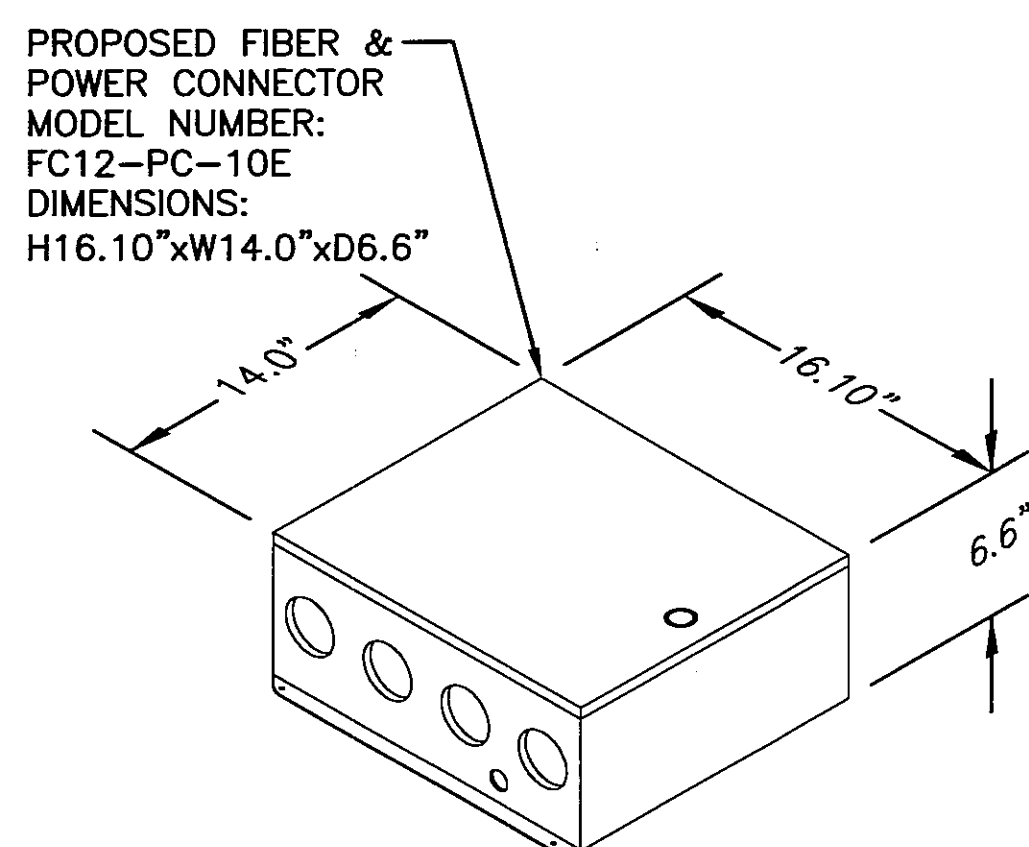
PROPOSED RRH AND SURGE ARRESTOR MOUNTING DETAIL

SCALE: N.T.S.



GPS MOUNTING DETAIL

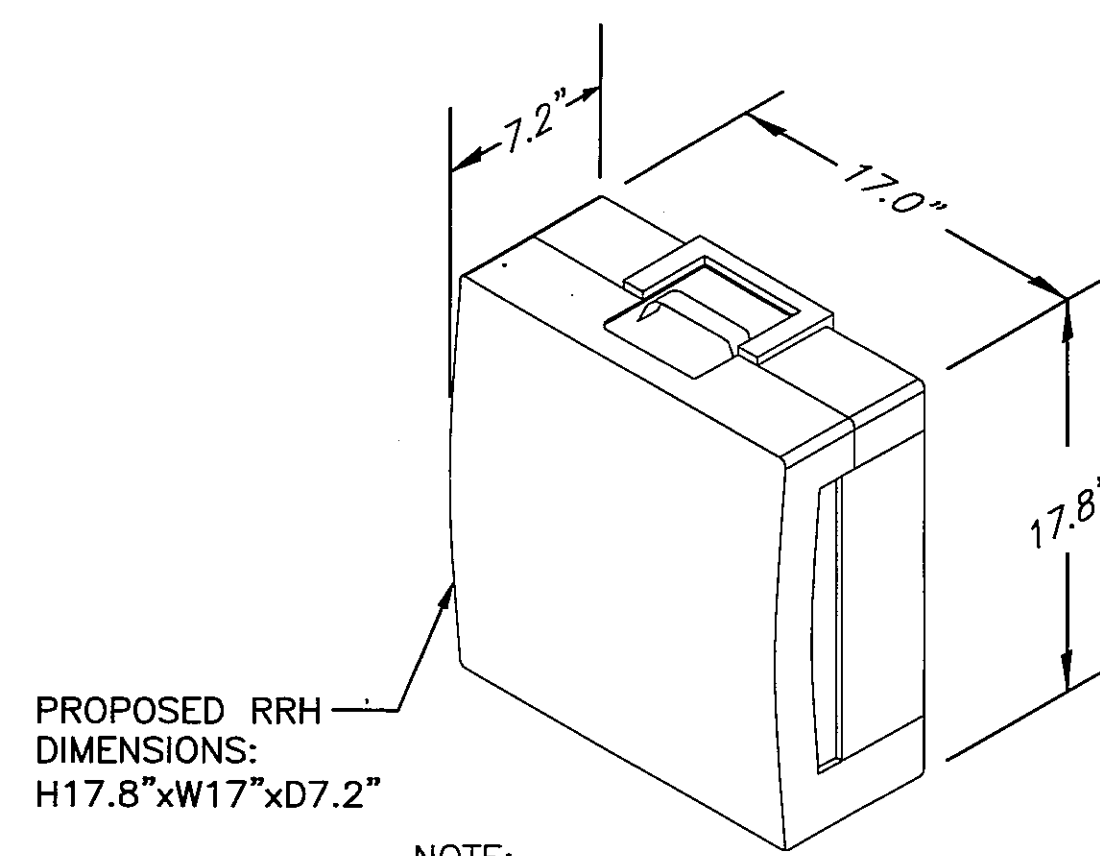
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NOTE:
 MOUNT PER MANUFACTURER'S SPECIFICATIONS.

FIBER & POWER CONNECTOR DETAIL

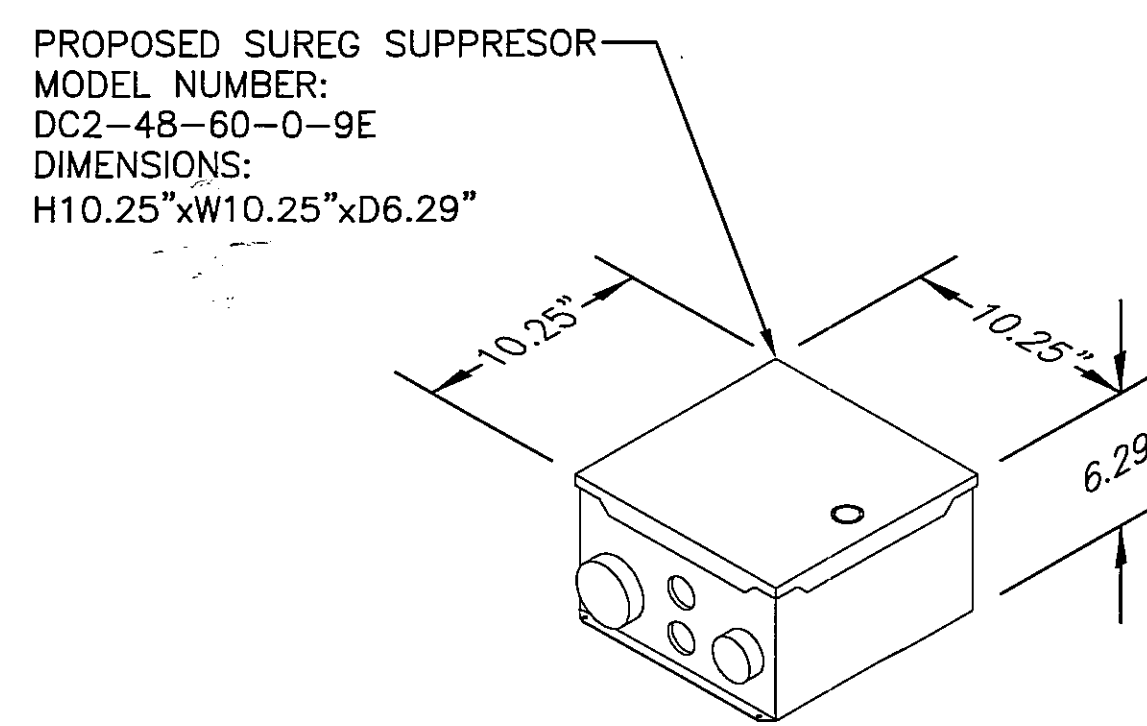
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NOTE:
 MOUNT PER MANUFACTURER'S SPECIFICATIONS.

RRH DETAIL

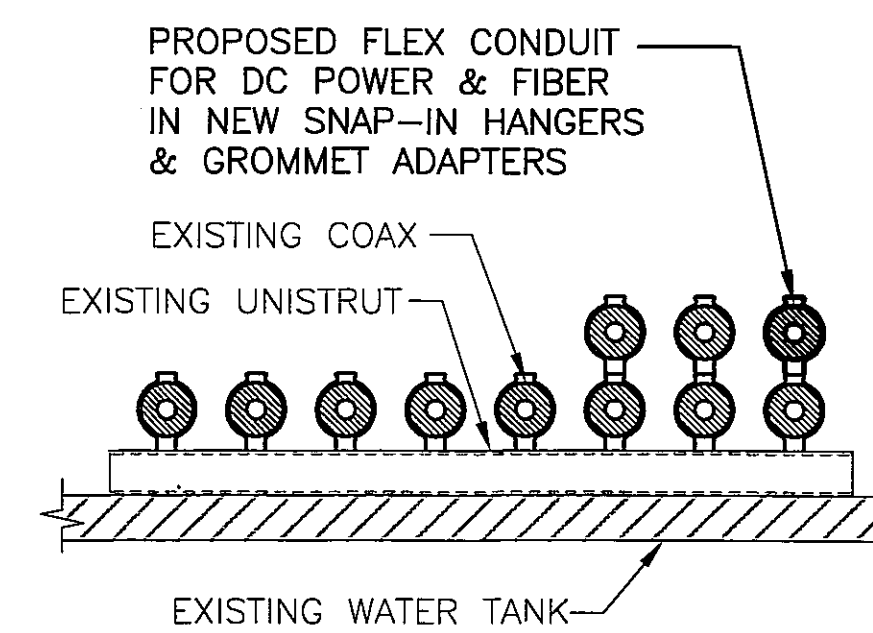
SCALE: N.T.S.



NOTE:
 MOUNT PER MANUFACTURER'S SPECIFICATIONS.

DC SURGE SUPPRESSOR DETAIL

SCALE: N.T.S.



CABLE MOUNTING DETAIL

SCALE: N.T.S.

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 WINDSOR, CT 06095

SITE NUMBER: CT1140
SITE NAME: EAST WINDSOR WATER TOWER

50 PLANTATION ROAD
 EAST WINDSOR, CT 06016
 HARTFORD COUNTY

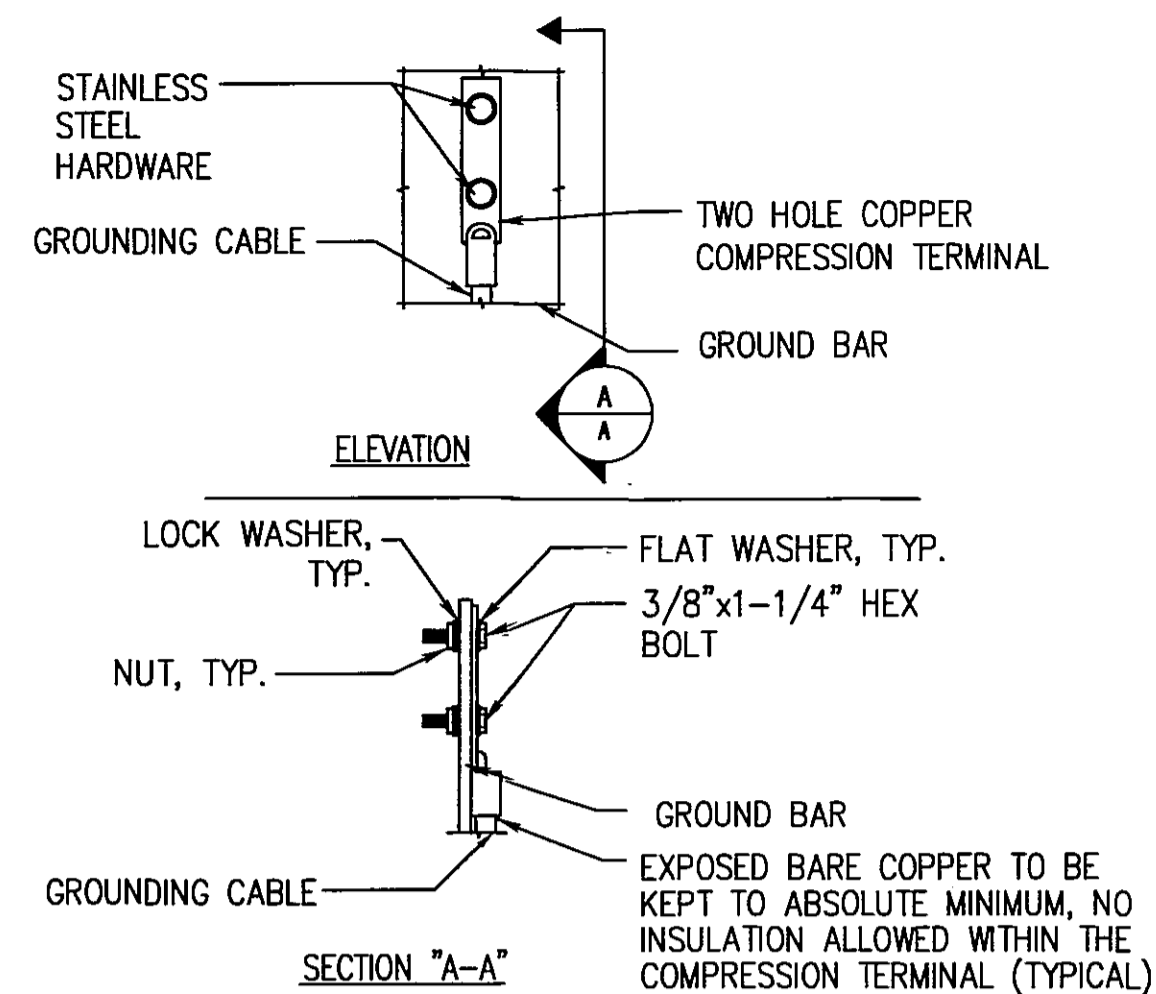
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| SCALE: AS SHOWN | | DESIGNED BY: RP | DRAWN BY: RP | | |

STATE OF CONNECTICUT
 DANIEL P. HAMMON
 LICENSED PROFESSIONAL ENGINEER

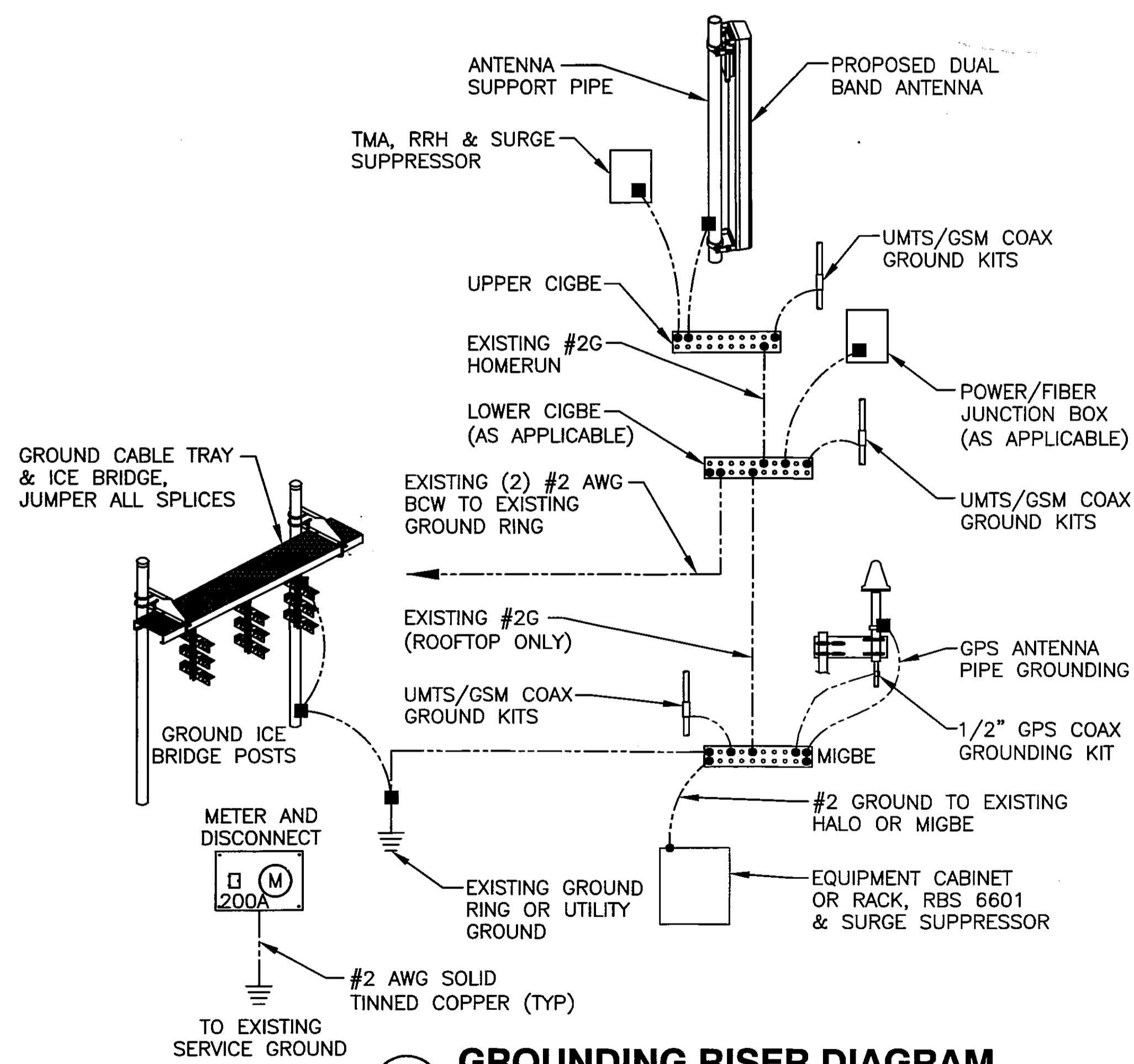
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| AT&T | |
| DETAILS (LTE) | |
| JOB NUMBER | DRAWING NUMBER |
| 1140.01 | A-4 |
| REV | 1 |



- NOTE:
1. "DOUBLING UP" OR "STACKING" OF CONNECTION IS NOT PERMITTED.
 2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.
 3. CADCWELDED DOWNLEADS FROM UPPER EGB, LOWER EGB, AND MGB.

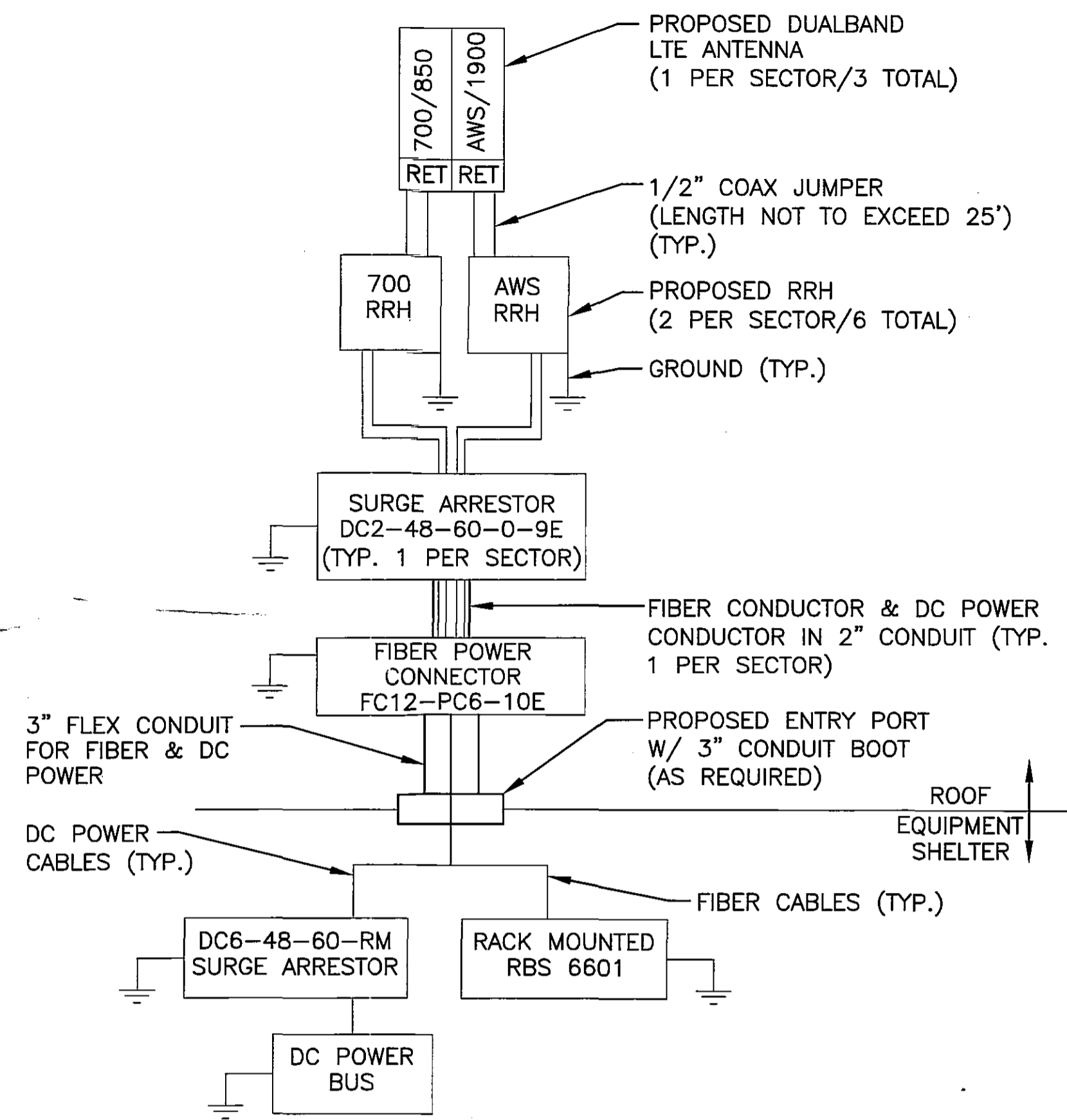
TYPICAL GROUND BAR CONNECTION DETAIL

2
N.T.S.



GROUNDING RISER DIAGRAM

1
N.T.S.



- NOTES:
1. CONTRACTOR TO CONFIRM ALL PARTS.
 2. INSTALL ALL EQUIPMENT TO MANUFACTURER'S RECOMMENDATIONS.

PLUMBING DIAGRAM

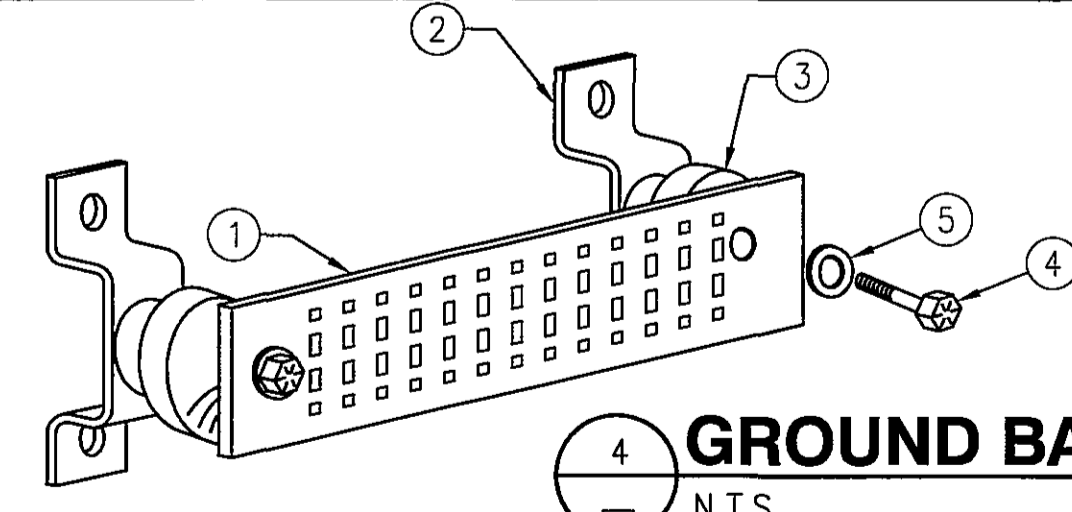
3
N.T.S.

| WIRELESS SOLUTIONS INC. | | | |
|-------------------------|------|--------------|------------------------------|
| NO. | REQ. | PART NO. | DESCRIPTION |
| 1 | 1 | HLGB-0420-IS | SOLID GND. BAR (20"x4"x1/4") |
| 2 | 2 | | WALL MTG. BRKT. |
| 3 | 2 | | INSULATORS |
| 4 | 4 | | 5/8"-11x1" H.H.C.S. |
| 5 | 4 | | 5/8 LOCKWASHER |

EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

- SECTION "P" - SURGE PRODUCERS
- CABLE ENTRY PORTS (HATCH PLATES) (#2)
 - GENERATOR FRAMEWORK (IF AVAILABLE) (#2)
 - TELCO GROUND BAR
 - COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND (#2)
 - +24V POWER SUPPLY RETURN BAR (#2)
 - 48V POWER SUPPLY RETURN BAR (#2)
 - RECTIFIER FRAMES.

- SECTION "A" - SURGE ABSORBERS
- INTERIOR GROUND RING (#2)
 - EXTERNAL EARTH GROUND FIELD (BURIED GROUND RING) (#2)
 - METALLIC COLD WATER PIPE (IF AVAILABLE) (#2)
 - BUILDING STEEL (IF AVAILABLE) (#2)



GROUND BAR - DETAIL

4
N.T.S.

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N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

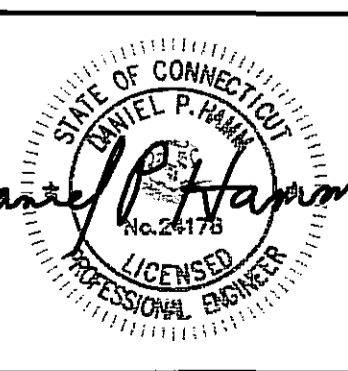
NEXLINK GLOBAL SERVICES
a UniTek GLOBAL SERVICES company
800 MARSHALL PHELPS ROAD UNIT#: 2A
WINDSOR, CT 06095

SITE NUMBER: CT1140
SITE NAME: EAST WINDSOR WATER TOWER
50 PLANTATION ROAD
EAST WINDSOR, CT 06016
HARTFORD COUNTY

at&t
500 ENTERPRISE DRIVE, SUITE 3A
ROCKY HILL, CT 06067

| NO. | DATE | REVISIONS | BY | CHK | APP'D |
|-----|----------|-------------------------|----|-----|-------|
| 1 | 04/06/12 | ISSUED FOR CONSTRUCTION | PN | .DC | DP |
| 0 | 03/06/12 | ISSUED FOR REVIEW | RP | DC | DPH |

SCALE: AS SHOWN DESIGNED BY: RP DRAWN BY: RP



AT&T
PLUMBING DIAGRAM & GROUNDING DETAILS (LTE)

| JOB NUMBER | DRAWING NUMBER | REV |
|------------|----------------|-----|
| 1140.01 | G-1 | 1 |



**TOWN OF EAST WINDSOR
PLANNING & ZONING COMMISSION**

**Site Plan Approval - Motion & Conditions
50 Plantation Road, East Windsor, CT
(Map 16, Block 50, Lot 1C)**

June 12, 2012– Meeting #1613

OWNER OF RECORD: Plantation Properties, LLC

APPLICANT: New Cingular Wireless, PCS

MOTION TO APPROVE the Application of New Cingular Wireless, PCS and owner Plantation Properties, LLC, requesting a site plan approval for upgrade to wireless communications antennas per Chapter 804, to be located on existing water tank, with associated equipment sheds and improvements, located at 50 Plantation Road, East Windsor, CT. [Assessors Map 16, Block 50, Lot 001C] M-1 zone. This approval is granted subject to conformance with the referenced plans (as may be modified by the conditions) and the following conditions:

Referenced Plans:

- T-1 Title Sheet with location map – AT&T Site Number: CT1140, Site Name: East Windsor Water Tower, 50 Plantation Road, East Windsor, CT 06016 Hartford County, prepared by Hudson Design Group, 1600 Osgood St., Building 20 North, Ste 2-101, N. Andover MA 01845 978/557-5553 and NexLink 800 Marshall Phelps Rd, Unit #2A, Windsor CT 06095, dated 3/6/12, revised 4/6/12
- GN-1 General Notes
- A-1 Equipment & Compound Plan
- A-2 Elevation Plan
- A-3 Antenna Plan
- A-4 Details
- G-1 Plumbing Diagram & Grounding Details

Conditions that must be met prior to signing of mylars:

1. The applicant shall submit a paper copy of the final approved plans to the Town Planner for review and comment prior to the submission of the final mylars.
2. One set of mylars shall be submitted to the Commission for signature. All plans shall require the seal and live signature of the appropriate professional(s) responsible for preparation of the plans. (One paper set of the structural plans shall be submitted for signature.)
3. The conditions of this approval shall be binding upon the applicant, land owners, and their successors and assigns. A copy of this approval motion shall be filed in the land records prior to the signing of the final mylars.

Conditions which must be met prior to the issuance of any permits:

4. A Zoning Permit for site work, inclusive of sheds/cabinets, must be applied for and approved prior to the start of construction. Two sets of the final approved plans shall be submitted at this time.
5. A detailed sediment and erosion control plan for the entire development shall be submitted at the time of application for the site improvement Zoning Permit.
6. Additional requirements and procedures may be implemented by the Town Planner.

Conditions which must be met prior to the issuance of any Certificates of Occupancy:

7. Site improvements must be completed or bonding in place.
8. Final grading, seeding, landscaping shall be in place or the E&S bond will not be released or reduced.
9. Additional bonding may be required by the Planning Department.
10. All state inspection fees must be paid.

Conditions which must be met prior to the issuance of any certificates of compliance:

11. A paper copy of the final as-built survey showing all structures, pins, roads, walks, driveways, drainage systems, and final floor elevations as well as spot grades shall be submitted and approved by the Town Planner.
12. A final as-built mylar shall be submitted and signed by the Commission.
13. All public health and safety components of the project must be satisfactorily completed prior to occupancy. In cases where all public health and safety components have not been completed, the Zoning Official may issue a Certificate of Zoning Compliance provided a suitable bond is retained for any remaining site work.

General Conditions:

14. This site plan approval shall expire **five years from date of approval**. Failure to complete all required improvements within that time shall invalidate the approval. The developer may request an extension of time to complete the improvements from the Commission, in accordance the Connecticut General Statutes. The Commission shall require proper bonding be in place prior to the approval of any such extension.
15. This project shall be constructed and maintained in accordance with the referenced plans. Minor modifications to the approved plans that result in lesser impacts may be allowed subject to staff review and approval.
16. Additional erosion control measures are to be installed as directed by town staff if field conditions necessitate.
17. All improvements and development must be performed in accordance with the East Windsor Zoning Regulations and applicable Town policies.

18. By acceptance of this approval and conditions, the applicant, owner and/or their successors and assigns acknowledge the right of Town staff to periodically enter upon the subject property for the purpose of determining compliance with the terms of this approval.

Certification of Approval

I hereby certify that at a meeting on 6-12-2012, the East Windsor Planning & Zoning Commission granted the above-mentioned approval and conditions.

| | |
|--|-------------------------------|
| <u><i>JPA</i></u> Chairman | <u>6/25/12</u> Date Signed |
| <u><i>Loraine Deering</i></u> Commission Member | <u>6/26/12</u> Date Signed |

Re: Site Plan Approval - Motion/Conditions of Approval
50 Plantation Road, East Windsor, CT
[Map 16, Block 50, Lot 1C]
Approved: June 12, 2012
Owner of Record: Plantation Properties, LLC
Applicant: New Cingular Wireless, PCS

Motion/Conditions of Approval:

Received for Record on: 7-20-12

At 11:41 (A.M.) P.M.

By 
Town Clerk

Volume 363 Page 387

TOWN OF EAST WINDSOR
PLANNING & ZONING COMMISSION
Site Plan Approval - Motion & Conditions
50 Plantation Road, East Windsor, CT
(Map 16, Block 50, Lot 1C)
June 12, 2012– Meeting #1613
OWNER OF RECORD: Plantation Properties, LLC
APPLICANT: New Cingular Wireless, PCS

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| GN-1 | General Notes |
| A-1 | Equipment & Compound Plan |
| A-2 | Elevation Plan |
| A-3 | Antenna Plan |
| A-4 | Details |
| G-1 | Plumbing Diagram & Grounding Details |

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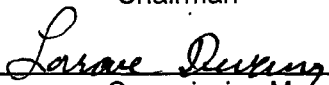
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Certification of Approval

I hereby certify that at a meeting on 6-12-2012, the East Windsor Planning & Zoning Commission granted the above-mentioned approval and conditions.

| | |
|---|--|
|  _____ Chairman | <u>6/25/12</u> _____ Date Signed |
|  _____ Commission Member | <u>6/26/12</u> _____ Date Signed |

Daniel
Dan Gullei



TOWN OF EAST WINDSOR
PLANNING AND ZONING DEPARTMENT
11 RYE STREET, P.O. BOX 389
BROAD BROOK, CT. 06016
PHONE: (860) 623-6030

FAX: (860) 623-4798

MEMORANDUM

TO: East Windsor Planning and Zoning Commission
FROM: Laurie Whitten, AICP - Town Planner *LW*
DATE: June 6, 2012
SUBJECT: Application of New Cingular Wireless, PCS and owner plantation Properties, LLC, requesting a site plan approval for upgrade to wireless communications antennas per Chapter 804, to be located on existing water tank, with associated equipment sheds and improvements, located at 50 Plantation Road, East Windsor, CT. [Assessors Map 16, block 50, Lot 001C] M-1 zone.

This application is to add 3 additional wireless communications/LTE antenna to the existing 6 antenna located on the water tower at 50 Plantation road. Associated improvements include installation of 6 remote radio heads (2' x 1' in size) and an antenna added to the ground equipment. Section 804 of the East Windsor zoning Regulations promotes co-location on any existing structure. All proposed structures will be mid level on the tank and will not encroach higher than the tank itself.

This application meets the minimum requirements and intent of the regulations inclusive of encouraging co-location.

gps system for triangulation

MOTION TO APPROVE the Application of New Cingular Wireless, PCS and owner plantation Properties, LLC, requesting a site plan approval for upgrade to wireless communications antennas per Chapter 804, to be located on existing water tank, with associated equipment sheds and improvements, located at 50 Plantation Road, East Windsor, CT. [Assessors Map 16, block 50, Lot 001C] M-1 zone. This approval is granted subject to conformance with the referenced plans (as may be modified by the conditions) and the following conditions:

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North, Ste 2-101, N. Andover MA 01845 978/557-5553 and NexLink 800
Marshall Phelps Rd, Unit #2A, Windsor CT 06095, dated 3/6/12, revised 4/6/12

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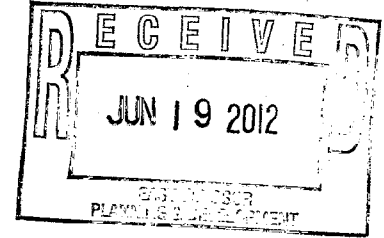
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18. By acceptance of this approval and conditions, the applicant, owner and/or their successors and assigns acknowledge the right of Town staff to periodically enter upon the subject property for the purpose of determining compliance with the terms of this approval.

June 18, 2012

Town of East Windsor
c/o Ms. Laurie P. Whitten, Town Planner
Town Hall
11 Rye Street
Broad Brook, CT 06016
Phone: (860) 623-6030
lwhitten@eastwindsorct.com



Subject: Invitation to Comment
CT1140 / 1807-EAST WINDSOR NEAR BROAD BROOK
50 Plantation Road, East Windsor, Hartford County, CT
EBI Project # 61122708

Dear Ms. Whitten:

Pursuant to Section 106 of the National Historic Preservation Act, the regulations promulgated thereunder and interagency agreements developed thereto, EBI Consulting, Inc. on behalf of AT&T Mobility, LLC provides this notice of a proposed telecommunications facility installation at the address listed above.

EBI would like to inquire if you would be interested in commenting on this proposed project. Please refer to the attached project plans for complete details regarding this proposed project.

Please note that we are requesting your review of the attached information as part of the Section 106 process only and not as part of the local zoning process. We are only seeking comments related to the proposed project's potential effect to historic properties.

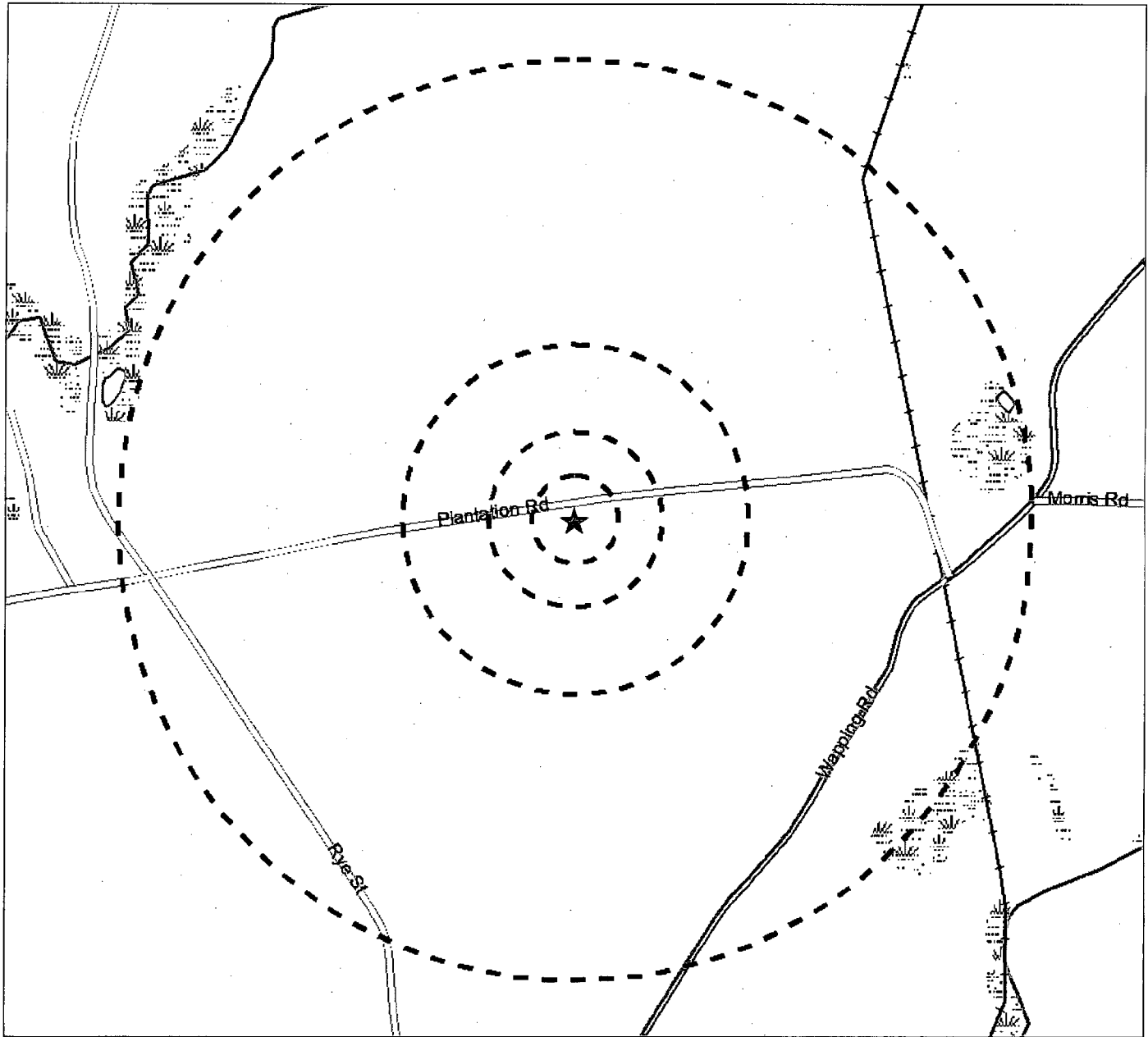
Please submit your comments regarding the proposed project's potential effect on historic properties to EBI Consulting, to my attention at 21 B Street, Burlington, MA 01803 or contact me via telephone at the number listed below. Please reference the EBI project number. We would appreciate your comments as soon as possible within the next 30 days. Please do not hesitate to contact me if you have any questions or concerns about the proposed project.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "Jennifer Davis".

Ms. Jennifer Davis
Senior Architectural Historian
P: (203) 309-8285
jdavis@ebiconsulting.com

Attachments- Figures, Drawings, and Maps



Legend

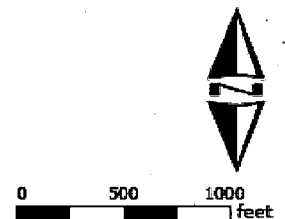
- ★ Project Site
- Site Buffer at 250', 500', 1000' and 1/2 mile

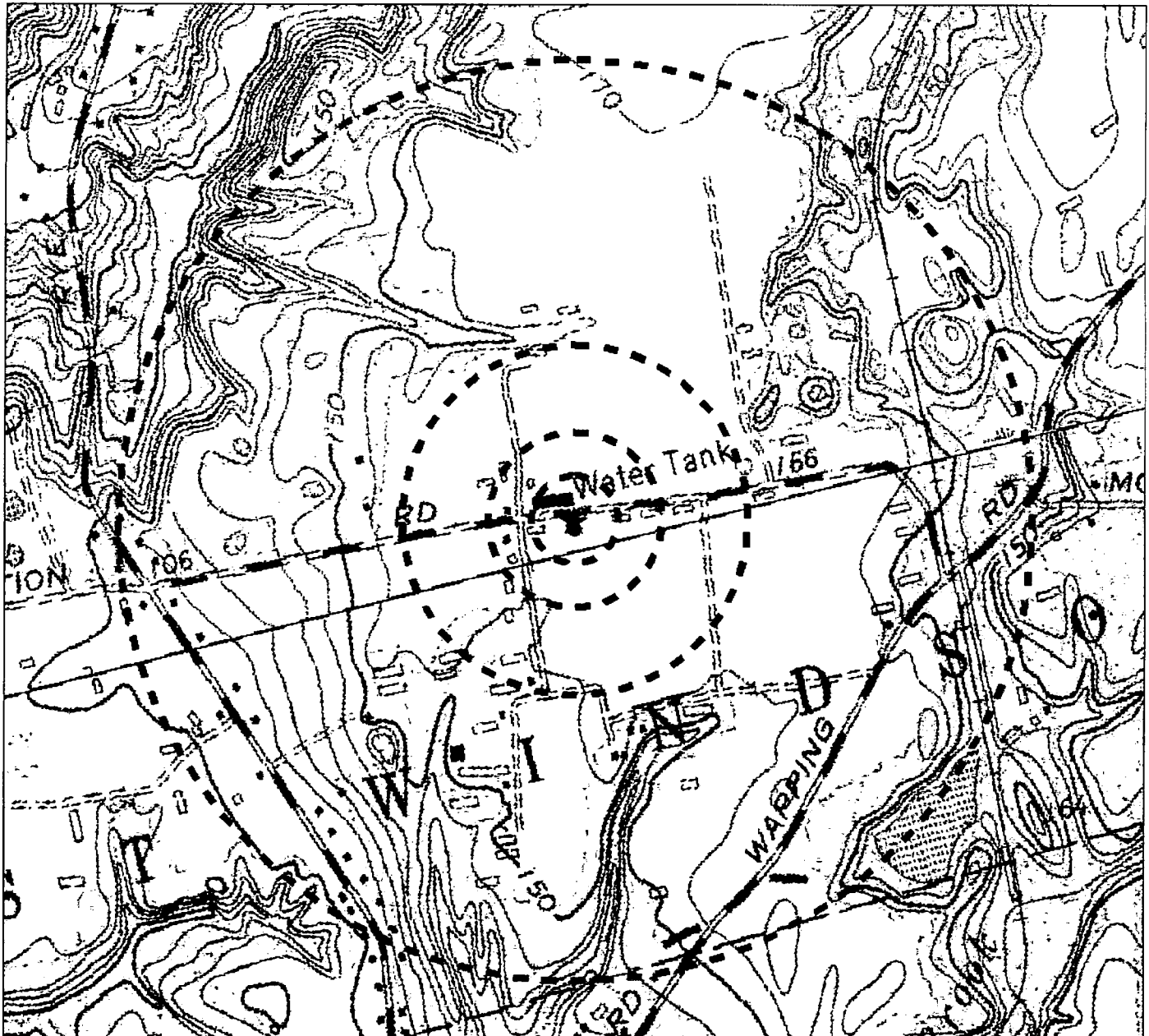
Source: Selected data from ESRI, EBI and NW

Figure 1 - Site Location Map

CT1140/1807-EAST WINDSOR NEAR BROAD BROOK
50 PLANTATION ROAD
EAST WINDSOR, CT

PN: 61122708





Legend

- ★ Project Site
- Site Buffer at 250', 500', 1000' and 1/2 mile

USGS 24k Quad: Broad Brook, CT 1985 and Manchester, CT 1985

Source: Selected data from ESRI, EBI and USGS

Figure 2 - USGS Quad Location Map

CT1140/1807-EAST WINDSOR NEAR BROAD BROOK
 50 PLANTATION ROAD
 EAST WINDSOR, CT

PN: 61122708



PROJECT INFORMATION

SCOPE OF WORK: UNMANNED TELECOMMUNICATIONS FACILITY MODIFICATIONS
 SITE ADDRESS: 50 PLANTATION ROAD
 EAST WINDSOR, CT 06016
 LATITUDE: 41.875639 N 41° 52' 31.3" N
 LONGITUDE: 72.564785 W 72° 33' 53.23" W
 JURISDICTION: NATIONAL, STATE & LOCAL CODES OR ORDINANCES
 CURRENT USE: TELECOMMUNICATIONS FACILITY
 PROPOSED USE: TELECOMMUNICATIONS FACILITY



SITE NUMBER: CT1140
SITE NAME: EAST WINDSOR WATER TOWER

DRAWING INDEX

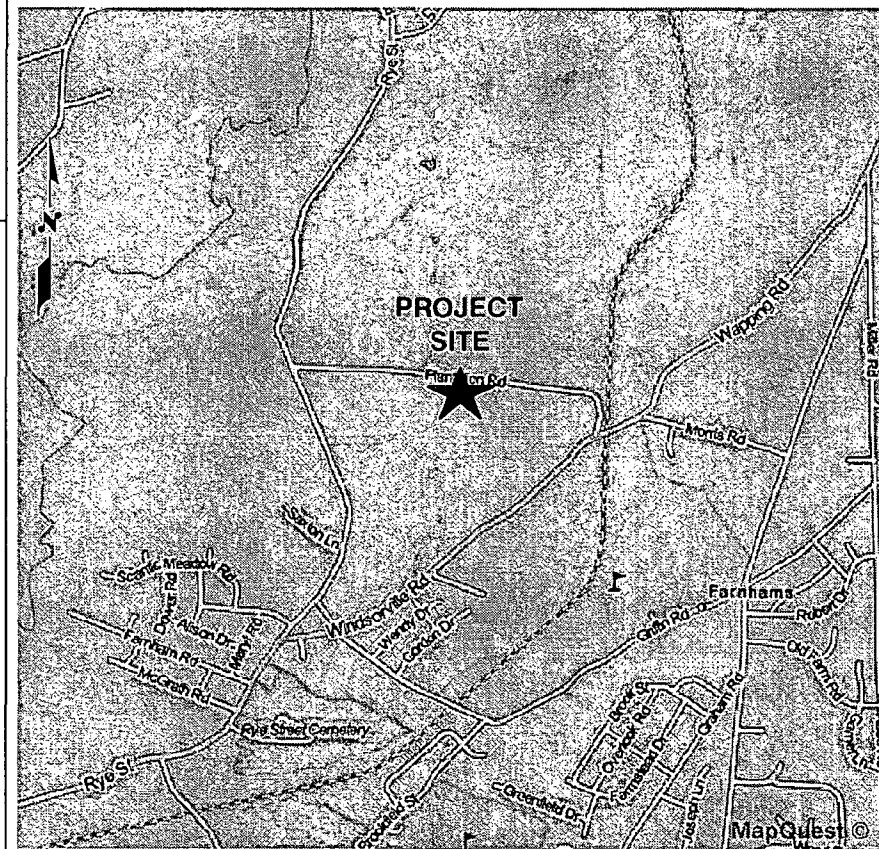
REV

VICINITY MAP

GENERAL NOTES

| | | |
|------|--------------------------------------|---|
| T-1 | TITLE SHEET | 1 |
| GN-1 | GENERAL NOTES | 1 |
| A-1 | EQUIPMENT & COMPOUND PLAN | 1 |
| A-2 | ELEVATION PLAN | 1 |
| A-3 | ANTENNA PLAN | 1 |
| A-4 | DETAILS | 1 |
| G-1 | PLUMBING DIAGRAM & GROUNDING DETAILS | 1 |

DIRECTIONS:
 START OUT GOING NORTHEAST ON ENTERPRISE DR TOWARD CAPITOL BLVD. 0.4 TURN LEFT ONTO CAPITOL BLVD. 0.2 MI TURN LEFT ONTO WEST ST 0.2 MI TAKE RAMP LEFT FOR I-91 NORTH 7.8 MI AT EXIT 29, TAKE RAMP RIGHT FOR CT-15 NORTH US-5 NORTH TOWARD E. HARTFORD / BOSTON 0.6 MI AT EXIT 90, TAKE RAMP RIGHT FOR US-5 NORTH TOWARD E. RIVER DR NORWICH 0.6 MI TURN LEFT ONTO US-5 MAIN STECONO LODGE ON THE CORNER 0.9 MI KEEP STRAIGHT ONTO US-5 US-44 MAIN ST 0.4 MI KEEP STRAIGHT ONTO US-5 MAIN ST PASS GULF IN 2.0 MI 6.4 MI TURN RIGHT ONTO CT-194 SULLIVAN AVE 0.3 MI BEAR LEFT ONTO RYE STEXXON ON THE CORNER 2.2 MI TURN RIGHT ONTO PLANTATION RD 0.5 MI ARRIVE AT 50 PLANTATION RD.



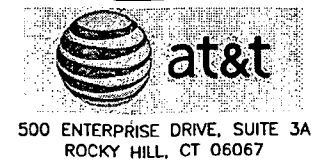
1. THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF AT&T. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.
2. THE FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.
3. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE AT&T REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

CALL
 BEFORE YOU DIG
 CALL TOLL FREE 800-922-4455

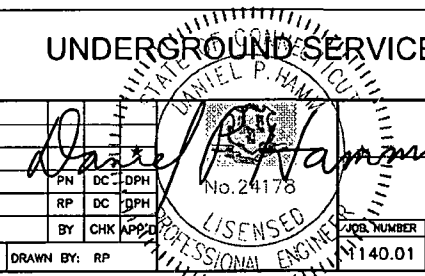
UNDERGROUND SERVICE ALERT



SITE NUMBER: CT1140
 SITE NAME: EAST WINDSOR WATER TOWER
 50 PLANTATION ROAD
 EAST WINDSOR, CT 06016
 HARTFORD COUNTY



| | | | | | | | | | | |
|------------------------------------|------|-----------|----|-----|---------------------------|-----|------|----------------|----------------|-----|
| 1 04/08/12 ISSUED FOR CONSTRUCTION | | PN | DC | DPH | AT&T TITLE SHEET (LTE) | | | | | |
| 0 03/08/12 ISSUED FOR REVIEW | | RP | DC | DPH | | | | | | |
| NO. | DATE | REVISIONS | | | BY | CHK | APPD | PROJECT NUMBER | DRAWING NUMBER | REV |
| | | | | | | | | 1140.01 | T-1 | 1 |



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) LIGHTING 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 GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GES'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 RING, IN ACCORDANCE WITH THE NEC.
11. METAL CONDUIT SHALL BE MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWS COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
12. ALL NEW STRUCTURES WITH A FOUNDATION AND/OR FOOTING HAVING 20 FT. OR MORE OF 1/2 IN. OR GREATER ELECTRICALLY CONDUCTIVE REINFORCING STEEL MUST HAVE IT BONDED TO THE GROUND RING USING AN EXOTHERMIC WELD CONNECTION USING #2 AWG SOLID BARE TINNED COPPER GROUND WIRE, PER NEC 250.50

GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
 CONTRACTOR - NEXLINK
 SUBCONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)
 OWNER - AT&T MOBILITY
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 ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, 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 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 DRAWING. 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. SUBCONTRACTOR 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 PREMISES 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 4000 PSI STRENGTH AT 28 DAYS. ALL CONCRETE WORK SHALL BE DONE 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) UNLESS OTHERWISE NOTED. PIPES SHALL BE ASTM A53 TYPE E (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 UMS SPECIFICATIONS AND "GENERAL CONSTRUCTION SERVICES FOR CONSTRUCTION OF AT&T MOBILITY 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 OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
 18. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION 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 MAINTENANCE 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 CONTRACT AWARD SHALL GOVERN THE DESIGN.
 BUILDING CODE: 2003 IBC WITH 2005 CT SUPPLEMENT & 2009 CT AMENDMENTS
 ELECTRICAL CODE: REFER TO ELECTRICAL DRAWINGS
 LIGHTENING 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, NINTH EDITION;
 - TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-F, STRUCTURAL STANDARDS FOR STEEL
 - ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES; REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC ELECTRICAL STANDARDS.
- FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ABBREVIATIONS

| | | | | | |
|----------|-------------------------|--------------|--------------------|------|----------------------------|
| AGL | ABOVE GRADE LEVEL | G.C. | GENERAL CONTRACTOR | RF | RADIO FREQUENCY |
| AWG | AMERICAN WIRE GAUGE | MGB | MASTER GROUND BUS | | |
| BCW | BARE COPPER WIRE | MIN | MINIMUM | TBD | TO BE DETERMINED |
| BTS | BASE TRANSCIVER STATION | PROPOSED | NEW | TBR | TO BE REMOVED |
| EXISTING | EXISTING | REF | REFERENCE | TBRR | TO BE REMOVED AND REPLACED |
| EG | EQUIPMENT GROUND | REQ | REQUIRED | TYP | TYPICAL |
| EGR | EQUIPMENT GROUND RING | NOT TO SCALE | | | |

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 1400 OSGOOD STREET
 BUILDING 20 NORTH, SUITE 2-101
 N. ANDOVER, MA 01845
 TEL: (978) 557-5553
 FAX: (978) 334-5586

NEXLINK GLOBAL SERVICES
 a UniTek GLOBAL SERVICES company
 800 MARSHALL PHELPS ROAD UNIT#: 2A
 WINDSOR, CT 06095

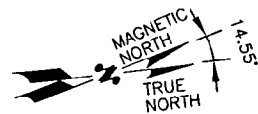
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 SITE NAME: EAST WINDSOR WATER TOWER
 50 PLANTATION ROAD
 EAST WINDSOR, CT 06016
 HARTFORD COUNTY

500 ENTERPRISE DRIVE, SUITE 3A
 ROCKY HILL, CT 06067

AT&T
 GENERAL NOTES (LTE)

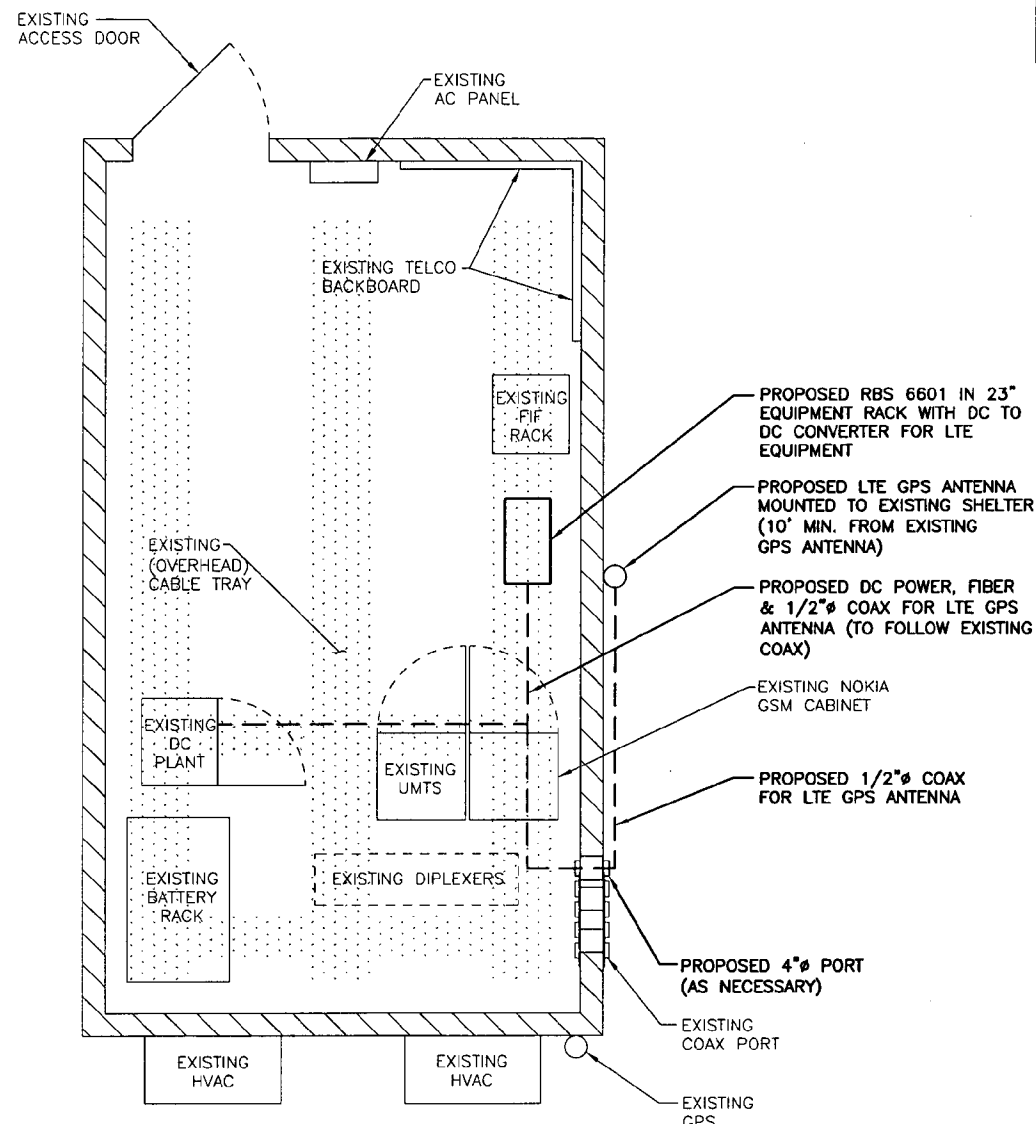
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| NO. | DATE | REVISIONS | BY | CHK | APP'D | JOB NUMBER | DRAWING NUMBER | REV |
| 1 | 04/06/12 | ISSUED FOR CONSTRUCTION | PN | DC | DPH | 1140.01 | GN-1 | 1 |
| 0 | 03/06/12 | ISSUED FOR REVIEW | RP | DC | DPH | | | |

SCALE: AS SHOWN DESIGNED BY: RP DRAWN BY: RP



NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

NOTE:
ALL ANTENNAS AND COAX TO BE INSTALLED IN ACCORDANCE WITH STRUCTURAL ANALYSIS PROVIDED BY: HUDSON DESIGN GROUP, LLC DATED: MARCH 26, 2012.



EQUIPMENT PLAN

SCALE: 1/2"=1'-0"



PROPOSED AT&T LTE ANTENNA MOUNTED TO EXISTING MOUNTING PIPE (TYP. OF 1 PER SECTOR, TOTAL OF 3)
ALPHA SECTOR: P65-17-XLH-RR
BETA SECTOR: P65-17-XLH-RR
GAMMA SECTOR: AM-X-CD-16-65-00T

PROPOSED SURGE ARRESTOR DC2-48-60-0-9E WITH UNISTRUT, MOUNTED TO EXISTING MOUNTING PIPE (TYP. OF 1 PER SECTOR, TOTAL OF 3)

PROPOSED RRH WITH UNISTRUT MOUNTED TO EXISTING MOUNTING PIPE (TYP. OF 2 PER SECTOR, TOTAL OF 6)

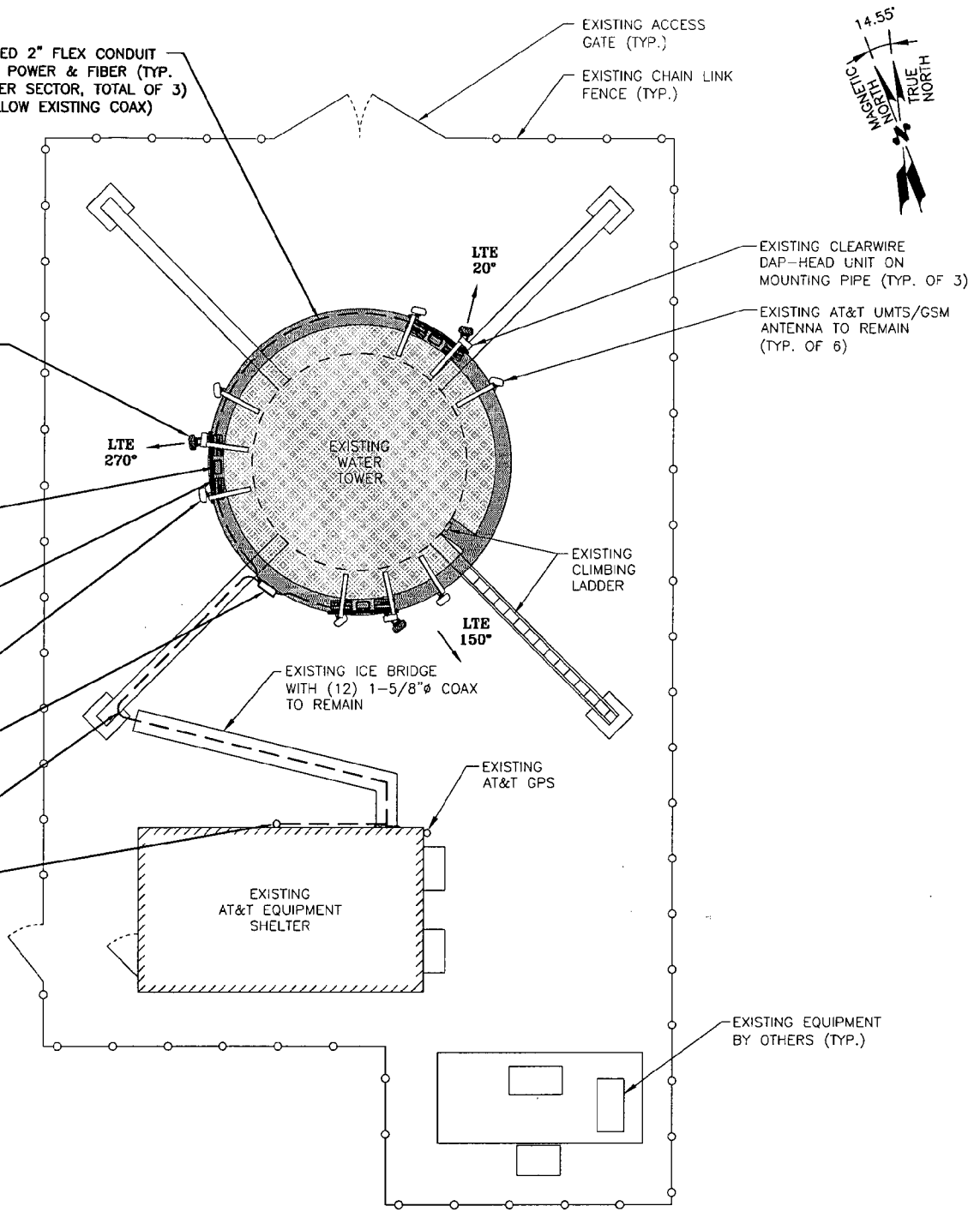
PROPOSED PAN EXISTING UMTS/GSM ANTENNA TO NEW LTE AZIMUTH

PROPOSED FIBER POWER CONNECTOR FC12-PC6-10E MOUNTED TO EXISTING RAILING

PROPOSED 3" FLEX CONDUIT FOR DC POWER & FIBER, (TO FOLLOW EXISTING COAX)

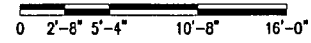
PROPOSED LTE GPS ANTENNA MOUNTED TO EXISTING SHELTER (10' MIN. FROM EXISTING GPS ANTENNA)

PROPOSED 2" FLEX CONDUIT FOR DC POWER & FIBER (TYP. OF 1 PER SECTOR, TOTAL OF 3) (TO FOLLOW EXISTING COAX)



COMPOUND PLAN

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



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BUILDING 20 NORTH, SUITE 2-101
N. ANDOVER, MA 01845
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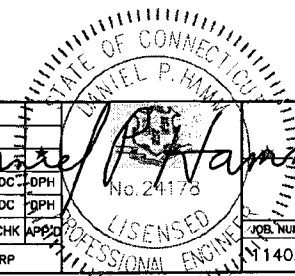
NEXLINK GLOBAL SERVICES
a UniTek GLOBAL SERVICES company
800 MARSHALL PHELPS ROAD UNIT# 2A
WINDSOR, CT 06095

SITE NUMBER: CT1140
SITE NAME: EAST WINDSOR WATER TOWER
50 PLANTATION ROAD
EAST WINDSOR, CT 06016
HARTFORD COUNTY

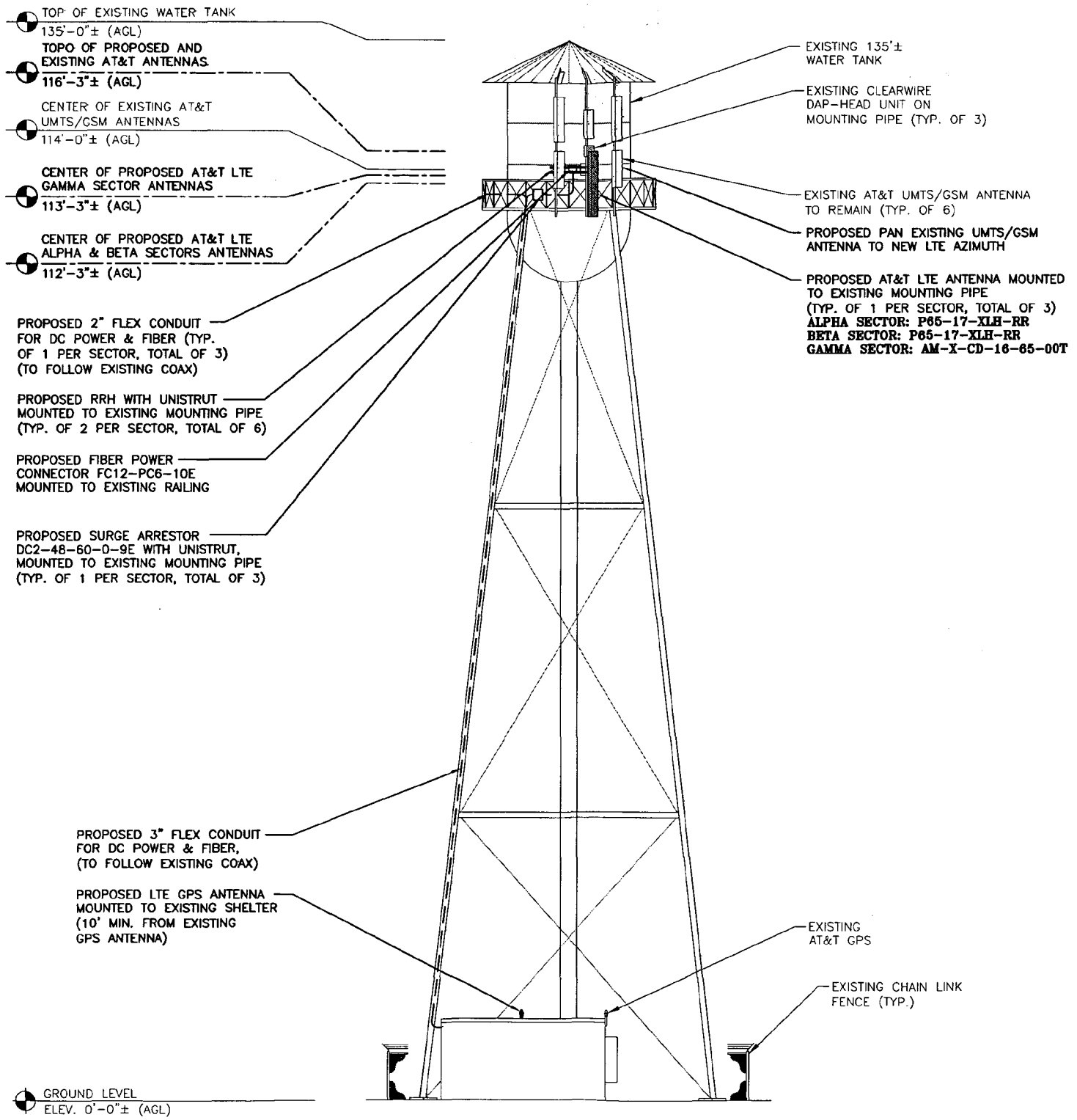
at&t
500 ENTERPRISE DRIVE, SUITE 3A
ROCKY HILL, CT 06067

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| NO. | | DATE | REVISIONS | BY | CHK | APP | JOB NUMBER | | DRAWING NUMBER | | REV |
| 1 | | 04/06/12 | ISSUED FOR CONSTRUCTION | RP | DC | DPH | 1140.01 | | A-1 | | 1 |
| 0 | | 03/06/12 | ISSUED FOR REVIEW | RP | DC | DPH | | | | | |

SCALE: AS SHOWN DESIGNED BY: RP DRAWN BY: RP



AT&T
EQUIPMENT & COMPOUND PLAN (LTE)

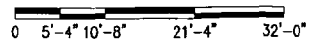


NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

NOTE:
ALL ANTENNAS AND COAX TO BE INSTALLED IN ACCORDANCE WITH STRUCTURAL ANALYSIS PROVIDED BY: HUDSON DESIGN GROUP, LLC DATED: MARCH 26, 2012.

SOUTH ELEVATION

SCALE: 3/32"=1'-0"



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N. ANDOVER, MA 01845
TEL: (978) 557-5553
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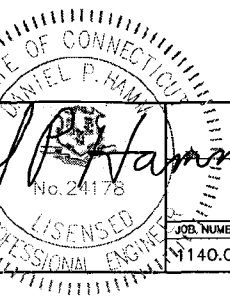
NEXLINK
GLOBAL SERVICES
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WINDSOR, CT 06095

SITE NUMBER: CT1140
SITE NAME: EAST WINDSOR WATER TOWER
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HARTFORD COUNTY

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|-----|----------|-------------------------|----|-----|-------|
| NO. | DATE | REVISIONS | BY | CHK | APP'D |
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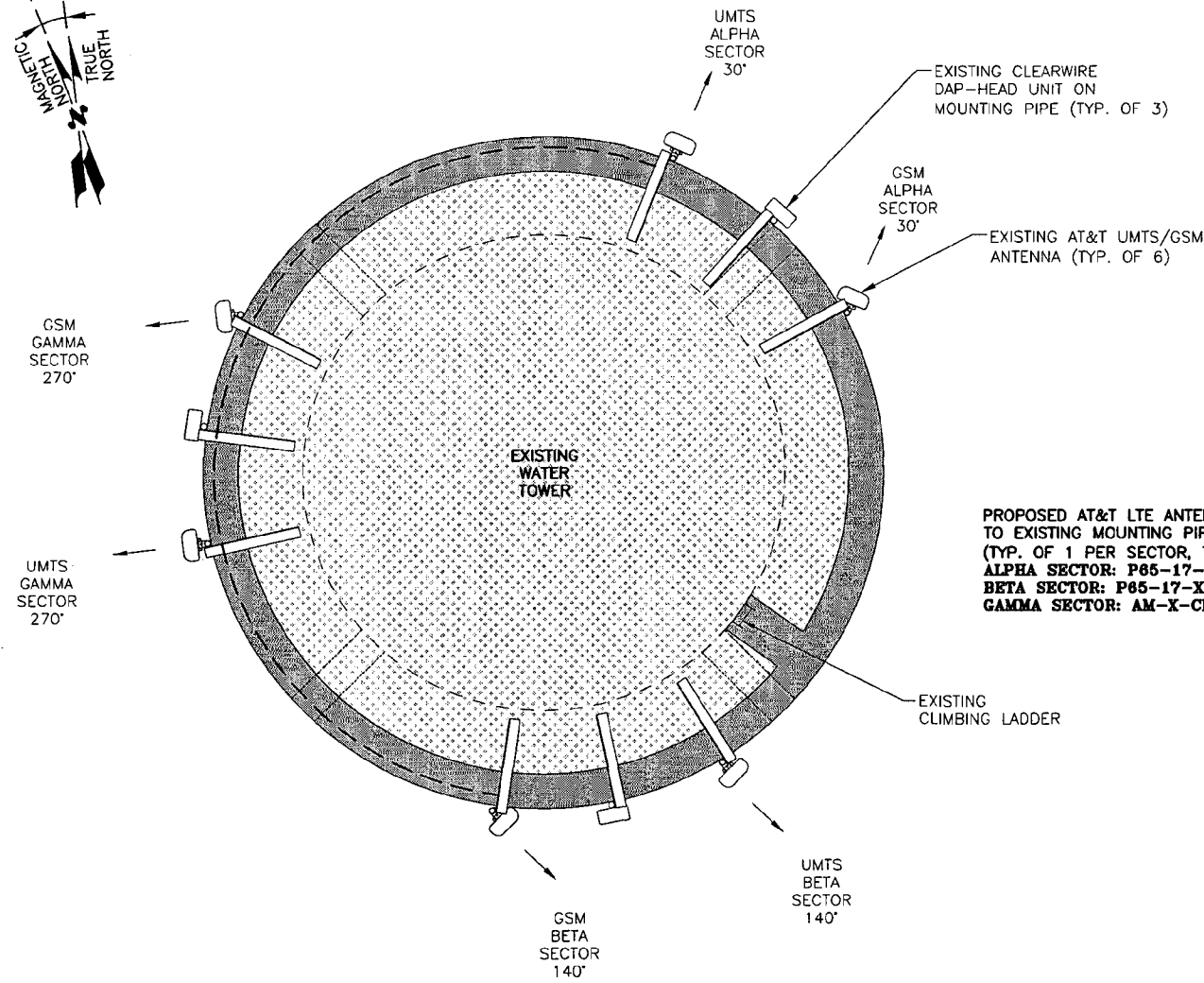
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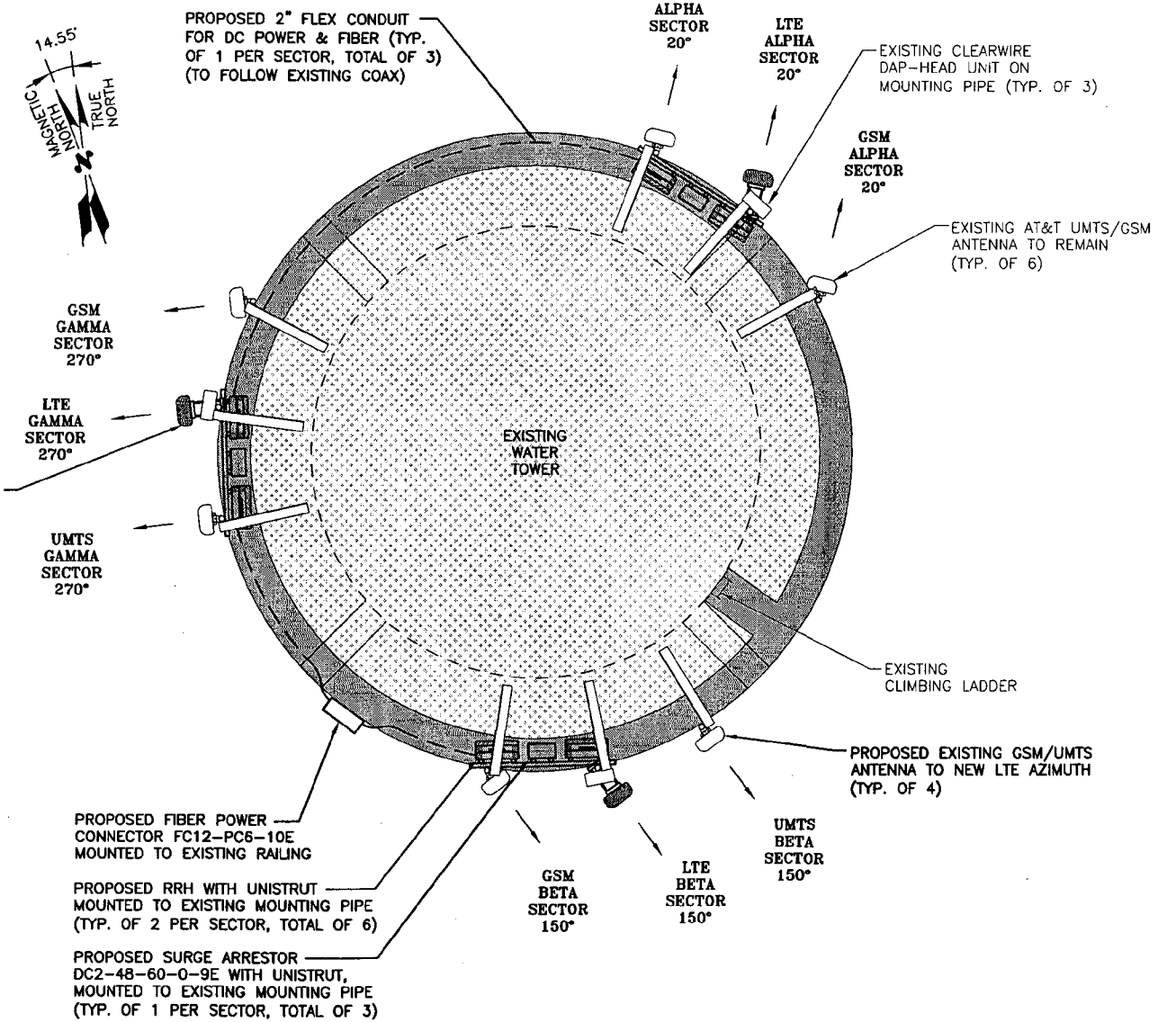
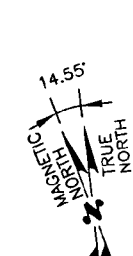
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| AT&T | |
| ELEVATION PLAN (LTE) | |
| JOB NUMBER | DRAWING NUMBER |
| 1140.01 | A-2 |
| REV | 1 |

NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

NOTE:
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EXISTING UMTS/GSM ANTENNA PLAN
SCALE: N.T.S.



PROPOSED LTE ANTENNA PLAN
SCALE: N.T.S.

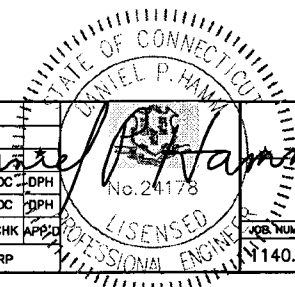
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N. ANDOVER, MA 01845
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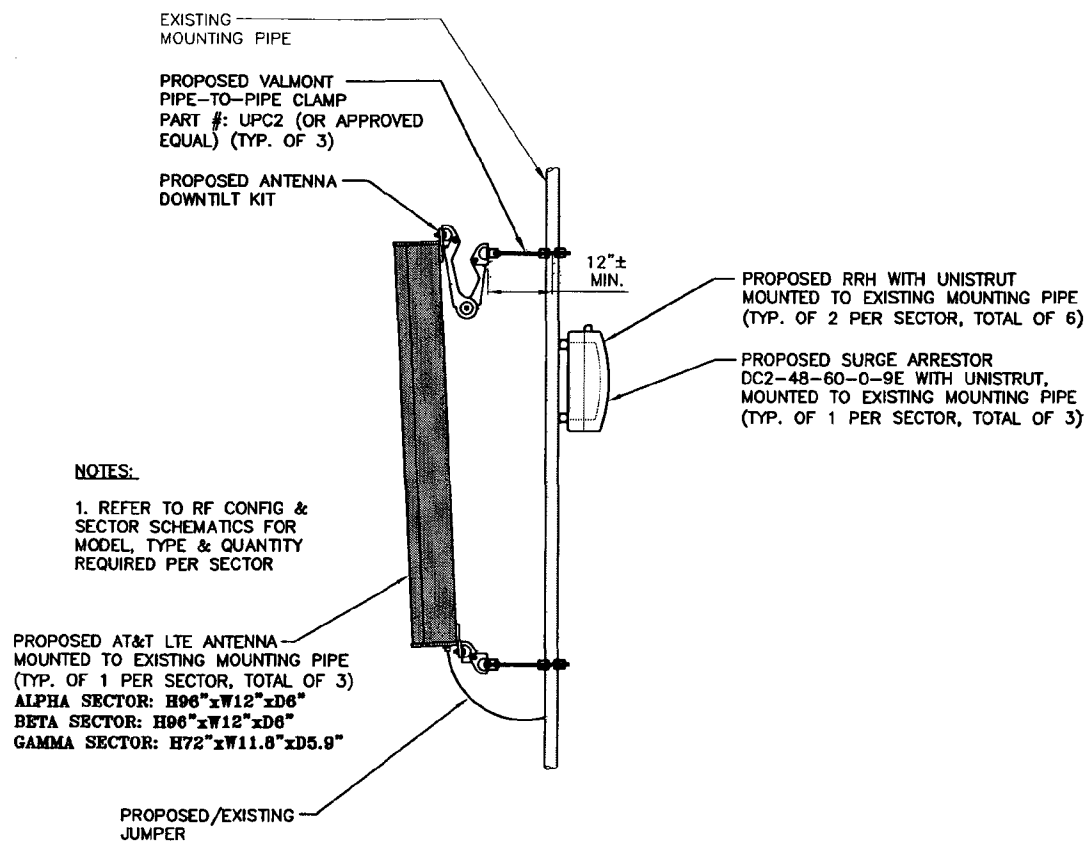
SITE NUMBER: CT1140
SITE NAME: EAST WINDSOR WATER TOWER
50 PLANTATION ROAD
EAST WINDSOR, CT 06016
HARTFORD COUNTY

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ROCKY HILL, CT 06067

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| NO. | | DATE | REVISIONS | BY | CHK | APP'D | JOB NUMBER | DRAWING NUMBER | REV |
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| SCALE: | | AS SHOWN | | DESIGNED BY: | | RP | DRAWN BY: | | RP |



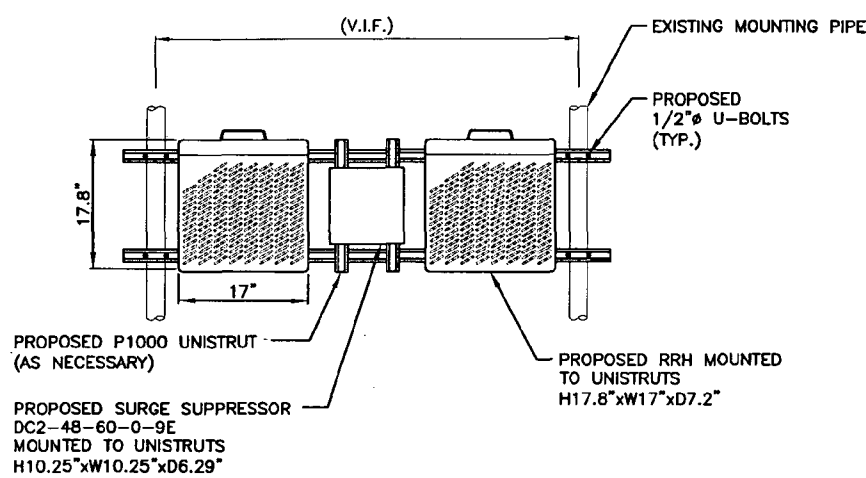
AT&T
ANTENNA PLAN (LTE)



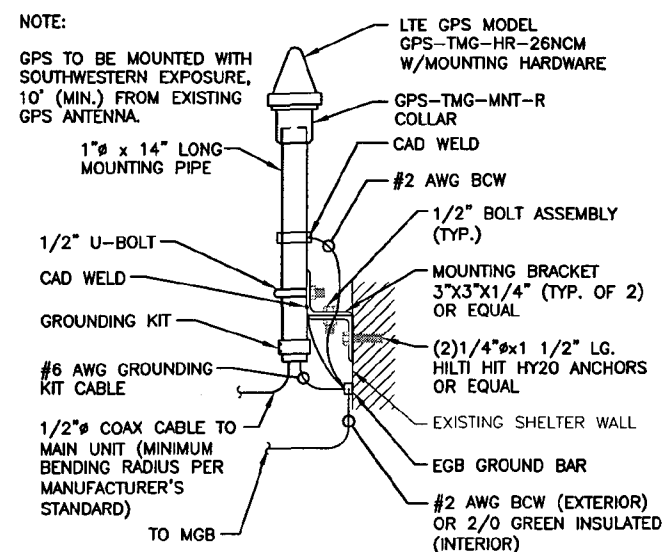
PROPOSED LTE ANTENNA MOUNTING DETAIL
SCALE: N.T.S.

NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

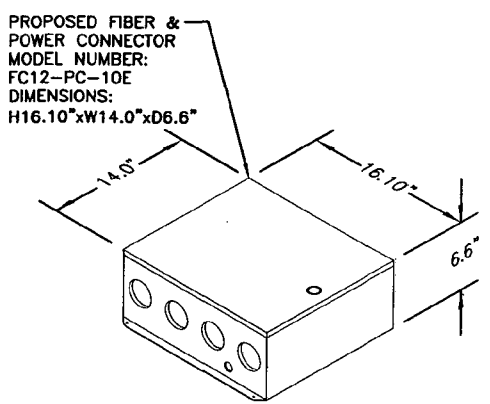
NOTE:
ALL ANTENNAS AND COAX TO BE INSTALLED IN ACCORDANCE WITH STRUCTURAL ANALYSIS PROVIDED BY: HUDSON DESIGN GROUP, LLC DATED: MARCH 26, 2012.



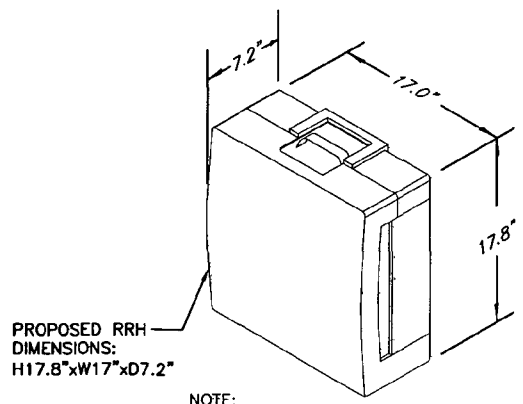
PROPOSED RRH AND SURGE ARRESTOR MOUNTING DETAIL
SCALE: N.T.S.



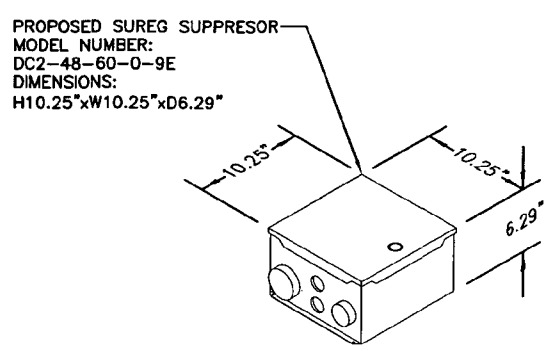
GPS MOUNTING DETAIL
SCALE: N.T.S.



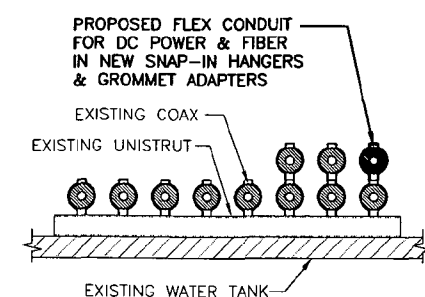
NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS.
FIBER & POWER CONNECTOR DETAIL
SCALE: N.T.S.



NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS.
RRH DETAIL
SCALE: N.T.S.



NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS.
DC SURGE SUPPRESSOR DETAIL
SCALE: N.T.S.



CABLE MOUNTING DETAIL
SCALE: N.T.S.

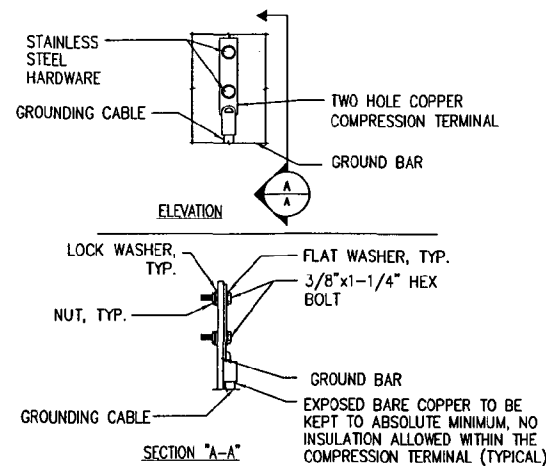
Hudson Design Group
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N. ANDOVER, MA 01845
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SITE NUMBER: CT1140
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50 PLANTATION ROAD
EAST WINDSOR, CT 06016
HARTFORD COUNTY

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ROCKY HILL, CT 06067

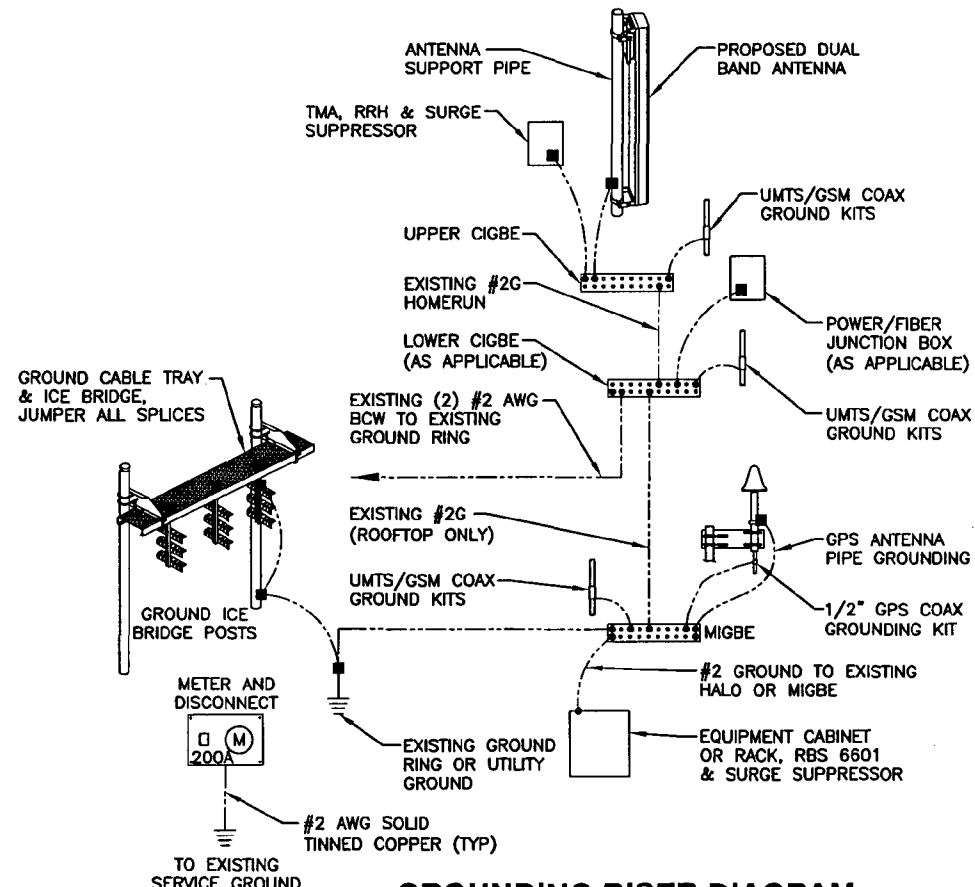
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| 1 | | 04/06/12 | ISSUED FOR CONSTRUCTION | PN | DC | DPH | AT&T | | |
| 0 | | 03/06/12 | ISSUED FOR REVIEW | RP | DC | DPH | DETAILS (LTE) | | |
| NO. | DATE | REVISIONS | | BY | CHK | APP'D | JOB NUMBER | DRAWING NUMBER | |
| SCALE: | AS SHOWN | DESIGNED BY: | RP | DRAWN BY: | RP | 1140.01 | | A-4 | |
| | | | | | | | | REV | 1 |



- NOTE:
- "DOUBLING UP" OR "STACKING" OF CONNECTION IS NOT PERMITTED.
 - OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.
 - CADWELD DOWNLEADS FROM UPPER EGB, LOWER EGB, AND MGB.

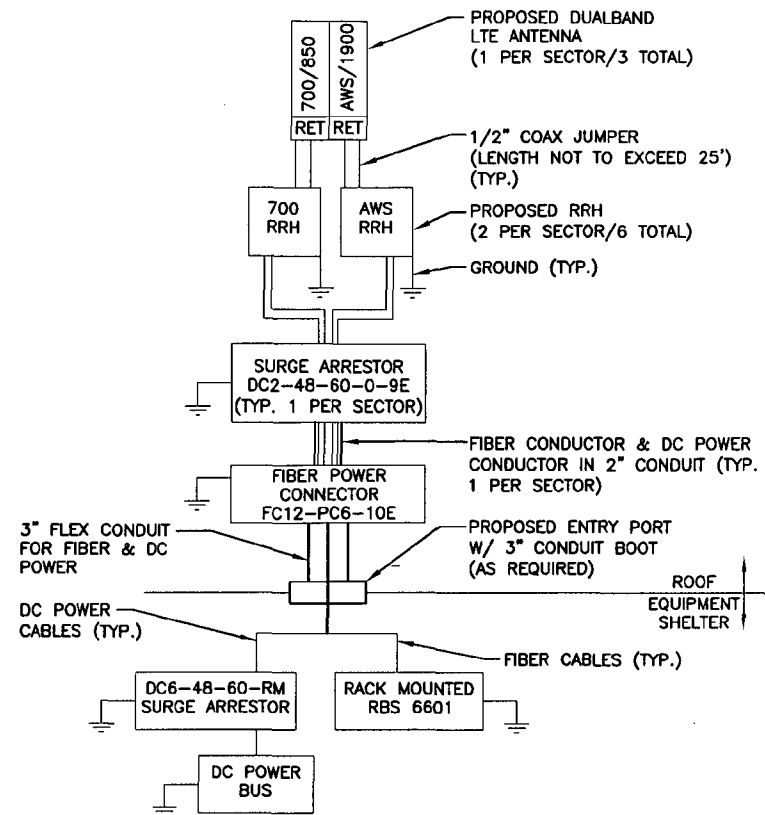
TYPICAL GROUND BAR CONNECTION DETAIL

2
N.T.S.



GROUNDING RISER DIAGRAM

1
N.T.S.



NOTES:

- CONTRACTOR TO CONFIRM ALL PARTS.
- INSTALL ALL EQUIPMENT TO MANUFACTURER'S RECOMMENDATIONS.

PLUMBING DIAGRAM

3
N.T.S.

| WIRELESS SOLUTIONS INC. | | | |
|-------------------------|------|--------------|------------------------------|
| NO. | REQ. | PART NO. | DESCRIPTION |
| 1 | 1 | HLGB-0420-IS | SOLID GND. BAR (20"x4"x1/4") |
| 2 | 2 | | WALL MTG. BRKT. |
| 3 | 2 | | INSULATORS |
| 4 | 4 | | 5/8"-11x1" H.H.C.S. |
| 5 | 4 | | 5/8 LOCKWASHER |

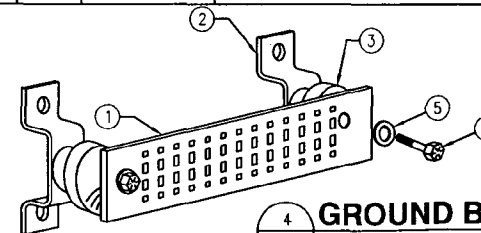
EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

SECTION "P" - SURGE PRODUCERS

- CABLE ENTRY PORTS (HATCH PLATES) (#2)
- GENERATOR FRAMEWORK (IF AVAILABLE) (#2)
- TELCO GROUND BAR
- COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND (#2)
- +24V POWER SUPPLY RETURN BAR (#2)
- 48V POWER SUPPLY RETURN BAR (#2)
- RECTIFIER FRAMES.

SECTION "A" - SURGE ABSORBERS

- INTERIOR GROUND RING (#2)
- EXTERNAL EARTH GROUND FIELD (BURIED GROUND RING) (#2)
- METALLIC COLD WATER PIPE (IF AVAILABLE) (#2)
- BUILDING STEEL (IF AVAILABLE) (#2)



GROUND BAR - DETAIL

4
N.T.S.

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N. ANDOVER, MA 01845
TEL: (978) 557-5553
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a UniTek GLOBAL SERVICES company
800 MARSHALL PHELPS ROAD UNIT#: 2A
WINDSOR, CT 06095

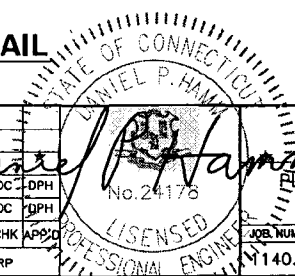
SITE NUMBER: CT1140
SITE NAME: EAST WINDSOR WATER TOWER
50 PLANTATION ROAD
EAST WINDSOR, CT 06016
HARTFORD COUNTY

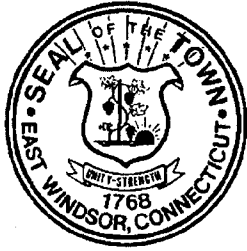
at&t
500 ENTERPRISE DRIVE, SUITE 3A
ROCKY HILL, CT 06067

AT&T
PLUMBING DIAGRAM & GROUNDING DETAILS (LTE)
JOB NUMBER: 1140.01
DRAWING NUMBER: G-1
REV: 1

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|-----|----------|-------------------------|----|-----|-------|
| NO. | DATE | REVISIONS | BY | CHK | APP'D |
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| 0 | 03/06/12 | ISSUED FOR REVIEW | RP | DC | DPH |

SCALE: AS SHOWN
DESIGNED BY: RP
DRAWN BY: RP





TOWN OF EAST WINDSOR PLANNING & DEVELOPMENT

11 RYE STREET
BROAD BROOK, CT 06016

PHONE: (860) 623-6030 FAX: (860) 623-4798

TOWN PLANNER, LAURIE WHITTEN, AICP (860) 292-8256

ZONING ENFORCEMENT OFFICIAL, ROBIN M. NEWTON (860) 623-2302

LEGAL NOTICE of ACTIONS **EAST WINDSOR PLANNING & ZONING COMMISSION**

At a meeting on June 12, 2012, the East Windsor Planning & Zoning Commission took the following action:

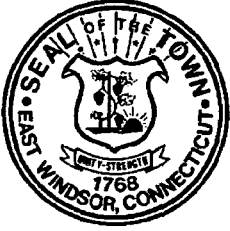
1. Granted the request from Sumner L. Chapman for final release of the landscaping bond for Phase 2 of the Mansions at Canyon Ridge.
2. Approved, with conditions, the application of Mary L. Pepin and Marie T. Morris - 1-lot resubdivision of property located at 50 Barber Hill Road. [A-1 zone; Map 19, Block 68, Lot 13-41.
3. Approved, with conditions, the application of New Cingular Wireless PCS, LLC – Site Plan approval to install additional telecommunications antennas and equipment on existing water tower located at:
 - 50 Plantation Road, owned by Plantation Properties, LLC. [A-1 zone; Map 16, Block 50, Lot 1-C]
 - 41 Depot Street, owned by Connecticut Water Company. [B-1 zone; Map 98, Block 44, Lot 35]
 - 104 Prospect Hill Road, owned by Connecticut Water Company. [B-1 zone; Map 102, Block 17, Lot 38]

EAST WINDSOR PLANNING & ZONING COMMISSION

Lorraine Devanney (mch)
Lorraine Devanney, Secretary

JOURNAL INQUIRER: TUESDAY, JUNE 19, 2012

cc: Sumner Chapman
Mary L. Pepin
Marie T. Morris
Robert Arsenault, P. E.
New Cingular Wireless PCS, LLC
Daniel M. Laub, Cuddy & Feder, LLP
Denise Menard, First Selectman
Joanne Slater, Town Clerk



TOWN OF EAST WINDSOR
PLANNING AND ZONING DEPARTMENT
11 RYE STREET, P.O. BOX 389
BROAD BROOK, CT. 06016
PHONE: (860) 623-6030

FAX: (860) 623-4798

MEMORANDUM

TO: East Windsor Planning and Zoning Commission
FROM: Laurie Whitten, AICP - Town Planner *LW*
DATE: June 6, 2012
SUBJECT: Application of New Cingular Wireless, PCS and owner plantation Properties, LLC, requesting a site plan approval for upgrade to wireless communications antennas per Chapter 804, to be located on existing water tank, with associated equipment sheds and improvements, located at 50 Plantation Road, East Windsor, CT. [Assessors Map 16, block 50, Lot 001C] M-1 zone.

This application is to add 3 additional wireless communications/LTE antenna to the existing 6 antenna located on the water tower at 50 Plantation road. Associated improvements include installation of 6 remote radio heads (2' x 1' in size) and an antenna added to the ground equipment. Section 804 of the East Windsor zoning Regulations promotes co-location on any existing structure. All proposed structures will be mid level on the tank and will not encroach higher than the tank itself.

This application meets the minimum requirements and intent of the regulations inclusive of encouraging co-location.

MOTION TO APPROVE the Application of New Cingular Wireless, PCS and owner plantation Properties, LLC, requesting a site plan approval for upgrade to wireless communications antennas per Chapter 804, to be located on existing water tank, with associated equipment sheds and improvements, located at 50 Plantation Road, East Windsor, CT. [Assessors Map 16, block 50, Lot 001C] M-1 zone. This approval is granted subject to conformance with the referenced plans (as may be modified by the conditions) and the following conditions:

Referenced Plans:

T-1 Title Sheet with location map – AT&T Site Number : CT1140, Site Name: East Windsor Water Tower, 50 Plantation Road, East Windsor, CT 06016 Hartford County, prepared by Hudson Design Group, 1600 Osgood St., Building 20

North, Ste 2-101, N. Andover MA 01845 978/557-5553 and NexLink 800
Marshall Phelps Rd, Unit #2A, Windsor CT 06095, dated 3/6/12, revised 4/6/12

- GN-1 General Notes
- A-1 Equipment & Compound Plan
- A-2 Elevation Plan
- A-3 Antenna Plan
- A-4 Details
- G-1 Plumbing Diagram & Grounding Details

Conditions that must be met prior to signing of mylars:

1. The applicant shall submit a paper copy of the final approved plans to the Town Planner for review and comment prior to the submission of the final mylars.
2. One set of mylars shall be submitted to the Commission for signature. All plans shall require the seal and live signature of the appropriate professional(s) responsible for preparation of the plans. (One paper set of the structural plans shall be submitted for signature.)
3. The conditions of this approval shall be binding upon the applicant, land owners, and their successors and assigns. A copy of this approval motion shall be filed in the land records prior to the signing of the final mylars.

Conditions which must be met prior to the issuance of any permits:

4. A Zoning Permit for site work , inclusive of sheds/cabinets, must be applied for and approved prior to the start of construction. Two sets of the final approved plans shall be submitted at this time.
5. A detailed sediment and erosion control plan for the entire development shall be submitted at the time of application for the site improvement Zoning Permit.
6. Additional requirements and procedures may be implemented by the Town Planner.

Conditions which must be met prior to the issuance of any Certificates of Occupancy:

7. Site improvements must be completed or bonding in place.
8. Final grading, seeding, landscaping shall be in place or the E&S bond will not be released or reduced.
9. Additional bonding may be required by the Planning Department.
10. All state inspection fees must be paid.

Conditions which must be met prior to the issuance of any certificates of compliance:

11. A paper copy of the final as-built survey showing all structures, pins, roads, walks, driveways, drainage systems, and final floor elevations as well as spot grades shall be submitted and approved by the Town Planner.
12. A final as-built mylar shall be submitted and signed by the Commission.
13. All public health and safety components of the project must be satisfactorily completed prior to occupancy. In cases where all public health and safety components have been completed, the Zoning Official may issue a Certificate of Zoning Compliance provided a suitable bond is retained for any remaining site work.

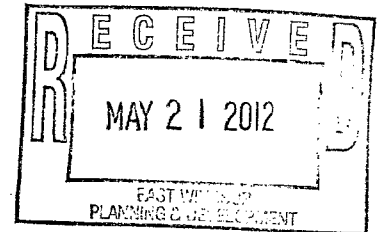
General Conditions:

14. This site plan approval shall expire **five years from date of approval.** Failure to complete all required improvements within that time shall invalidate the approval. The developer may request an extension of time to complete the improvements from the Commission, in accordance the Connecticut General Statutes. The Commission shall require proper bonding be in place prior to the approval of any such extension.
15. This project shall be constructed and maintained in accordance with the referenced plans. Minor modifications to the approved plans that result in lesser impacts may be allowed subject to staff review and approval.
16. Additional erosion control measures are to be installed as directed by town staff if field conditions necessitate.
17. All improvements and development must be performed in accordance with the East Windsor Zoning Regulations and applicable Town policies.
18. By acceptance of this approval and conditions, the applicant, owner and/or their successors and assigns acknowledge the right of Town staff to periodically enter upon the subject property for the purpose of determining compliance with the terms of this approval.

May 18, 2012

BY FEDEX

Chairman Joseph Ouellette
and Members of the Planning and Zoning Commission
Town of East Windsor
East Windsor Town Hall
11 Rye Street
Broad Brook, CT 06016
Phone: (860) 623-6030



Re: New Cingular Wireless PCS, LLC ("AT&T")
Amended Site Plan Applications
Locations: 50 Plantation Street, 41 Depot Street & 104 Prospect Hill Road

Dear Chairman Ouellette, Chairman and Members of the Planning and Zoning Commission:

This letter and enclosures are respectfully submitted on behalf of New Cingular Wireless PCS, LLC, d/b/a AT&T ("AT&T") in connection with the above referenced wireless facility sites.

AT&T previously received approval for, and currently operates, a wireless telecommunications site at the above referenced locations and now seeks approval to install additional antennas and equipment to these facilities as part of AT&T's Long Term Evolution "LTE" deployment and the provision of enhanced services to the public.

The proposed modifications are needed to meet the public demand for fourth generation ("4G") technology and are on all counts minor modifications that do not materially alter the existing conditions of these approved and operational facilities. Specific details are included in the application packages included with this cover letter. Given the limited nature of these modifications, we respectfully request that these changes be reviewed and authorized by the Commission in lieu of another public hearing in accordance with Section 900.3(j) of the Town of East Windsor Zoning Regulations addressing minor site plan changes.

Indeed, it is respectfully submitted that the enclosed site plan drawings and materials detailing AT&T's proposed upgrades demonstrate that the proposed upgrades are minor in nature. AT&T's facilities do not produce any discernable smoke, gas, odors, heat or vibrations. No commercial signs are proposed by AT&T. The proposed facility upgrades will create no additional storm water runoff or require outdoor storage and/or solid waste receptacle. In addition, the proposed facilities are unmanned requiring infrequent maintenance visits of approximately once per month by a service technician for approximately one hour. No additional parking is required by these modifications. Each facility is monitored by AT&T 24 hours a day, 7 days a week from a remote location. Existing access at each facility site is

sufficient for any maintenance or emergency visits and the proposed upgrades will have no impact on pedestrian or vehicular traffic in the community.

50 Plantation Road

AT&T's existing wireless facility at Plantation Road consists of six (6) panel antennas mounted at the top of the existing 135' tall water tank and an equipment shelter at grade. AT&T's proposed upgrade to its existing facility consists of the addition of three (3) LTE antennas and associated equipment on the water tank and at grade. The antennas will be mounted at a centerline height of 112' 3" and will not exceed the top of the existing water tank and will be the same color as the existing antennas. AT&T's upgrade also includes six (6) small remote radio head (RRH) units, approximately two (2) feet by (1) foot in size, mounted behind the antennas. One (1) GPS antenna, approximately one-foot tall will be mounted to the existing equipment shelter.

AT&T's upgrades are detailed in the enclosed drawings, titled "AT&T Site Number CT1140", prepared by Hudson Design Group last updated April 6, 2012. The enclosed photosimulations depict the existing facility and proposed upgrade and show that the proposed upgrade will not have a significant visual impact.

41 Depot Street

AT&T's existing wireless facility at 41 Depot Street consists of three (3) panel antennas mounted at the top of the existing 124' tall water tank and an equipment shelter at grade. AT&T's proposed upgrade to its existing facility consists of the addition of three (3) LTE antennas and associated equipment on the water tank and at grade. The antennas will be mounted at a centerline height of 119' 11" and will not exceed the top of the existing water tank and will be the same color as the existing antennas. AT&T's upgrade also includes six (6) small remote radio head units (RRH), approximately two (2) feet by (1) foot in size, mounted behind the antennas. One (1) GPS antenna, approximately one-foot tall will be mounted to the existing equipment shelter.

AT&T's upgrades are detailed in the enclosed drawings, titled "AT&T Site Number CT5395", prepared by Hudson Design Group last updated April 26, 2012. The enclosed photosimulations depict the existing facility and proposed upgrade and show that the proposed upgrade will not have a significant visual impact.

104 Prospect Hill Road

AT&T's wireless facility at 104 Prospect Hill Road consists of nine (9) panel antennas mounted at the top of the existing 100' tall water tank and an equipment shelter at grade adjacent to the existing building on the Premises. AT&T's proposed upgrade to its existing facility consists of the addition of three (3) LTE antennas and associated equipment on the water tank and at grade. The antennas will be mounted at a centerline height of 78' and will not exceed the top of the existing water tank and will be the same color as the existing antennas. AT&T's upgrade also includes six (6) small remote radio head units (RRH), approximately two (2) feet by (1) foot in size, mounted on the existing antenna mounts behind the antennas and minor relocation of some

existing antennas and equipment. One (1) GPS antenna, approximately one-foot tall will be mounted to the existing equipment shelter.

AT&T's upgrades are detailed in the enclosed drawings, titled "AT&T Site Number CT5192", prepared by Hudson Design Group last updated April 26, 2012. The enclosed photosimulations depict the existing facility and proposed upgrade and show that the proposed upgrade will not have a significant visual impact.

Materials Submitted in Support of AT&T's Applications

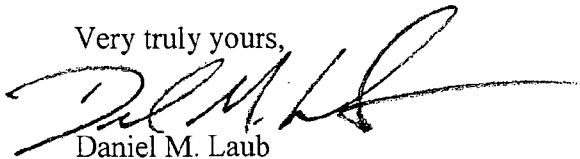
In support of its applications for amended site plan review, AT&T respectfully submits six (6) copies of this cover letter bound to the following exhibits:

- A. Completed Town of East Windsor Special Permit/Site Plan Application Form with photosimulations of the proposed changes at 50 Plantation Road;
- B. Completed Town of East Windsor Special Permit/Site Plan Application Form with photosimulations of the proposed changes at 41 Depot Street;
- C. Completed Town of East Windsor Special Permit/Site Plan Application Form with photosimulations of the proposed changes at 104 Prospect Hill Road;
- D. Letter and Attachments prepared by C Squared Systems dated April 20, 2012 confirming that the radio frequency emissions associated with the Facilities as upgraded will comply with all applicable emissions standards promulgated by Federal and State law and confirming no interference is anticipated. Attachments include:
 - 1. Map of Existing AT&T facilities in and around East Windsor
 - 2. Intermodulation Analysis of Site CT5192 at 104 Prospect Hill Road
 - 3. Calculated Radio Frequency Emissions Report for CT1140 at 50 Plantation Road
 - 4. Calculated Radio Frequency Emissions Report for CT5395 at 41 Depot Street
 - 5. Calculated Radio Frequency Emissions Report for CT5192 at 104 Prospect Hill Road.

Please also find enclosed 6 sets of signed, sealed site plans prepared by Hudson Design group LLC, as noted above. Additionally, we have enclosed checks payable to the Town of East Windsor constituting the respective site plan application filing fees for each site.

We look forward to appearing before the Planning and Zoning Commission and respectfully request that this application be placed on the next available agenda. Thank you for your consideration of these applications.

Very truly yours,



Daniel M. Laub

Enclosures

cc: Laurie P. Whitten, CZEO, AICP, Town Planner
Peter LaMontagne, Centerline
Derek Creaser, Hudson Design Group, LLC
Daniel Goulet, C Squared Systems
Christopher B. Fisher, Esq.

PROJECT INFORMATION

SCOPE OF WORK: UNMANNED TELECOMMUNICATIONS FACILITY MODIFICATIONS
 SITE ADDRESS: 50 PLANTATION ROAD
 EAST WINDSOR, CT 06016
 LATITUDE: 41.875639 N 41° 52' 31.3" N
 LONGITUDE: 72.564785 W 72° 33' 53.23" W
 JURISDICTION: NATIONAL, STATE & LOCAL CODES OR ORDINANCES
 CURRENT USE: TELECOMMUNICATIONS FACILITY
 PROPOSED USE: TELECOMMUNICATIONS FACILITY



SITE NUMBER: CT1140
SITE NAME: EAST WINDSOR WATER TOWER

DRAWING INDEX

REV

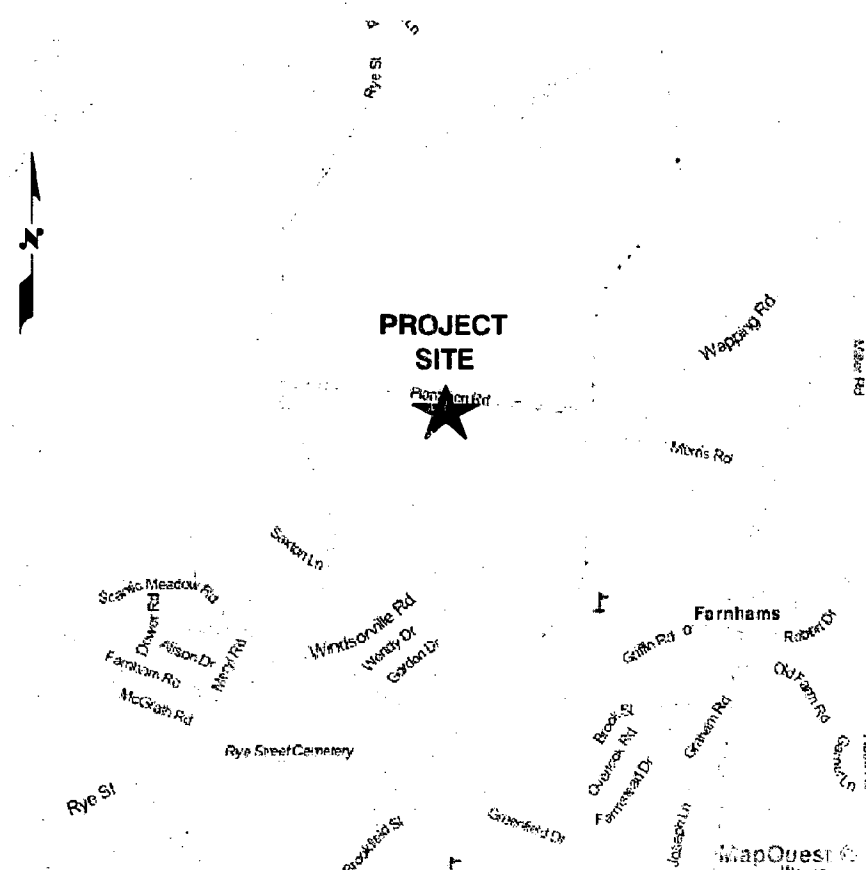
VICINITY MAP

GENERAL NOTES

| | | |
|------|--------------------------------------|---|
| T-1 | TITLE SHEET | 1 |
| GN-1 | GENERAL NOTES | 1 |
| A-1 | EQUIPMENT & COMPOUND PLAN | 1 |
| A-2 | ELEVATION PLAN | 1 |
| A-3 | ANTENNA PLAN | 1 |
| A-4 | DETAILS | 1 |
| G-1 | PLUMBING DIAGRAM & GROUNDING DETAILS | 1 |

DIRECTIONS:
 START OUT GOING NORTHEAST ON ENTERPRISE DR TOWARD CAPITOL BLVD. 0.4 MI TURN LEFT ONTO CAPITOL BLVD. 0.2 MI TURN LEFT ONTO WEST ST 0.2 MI TAKE RAMP LEFT FOR I-91 NORTH 7.8 MI AT EXIT 29, TAKE RAMP RIGHT FOR CT-15 NORTH US-5 NORTH TOWARD E. HARTFORD / BOSTON 0.6 MI AT EXIT 90, TAKE RAMP RIGHT FOR US-5 NORTH TOWARD E. RIVER DR NORWICH 0.6 MI TURN LEFT ONTO US-5 MAIN STECONO LODGE ON THE CORNER 0.9 MI KEEP STRAIGHT ONTO US-5 US-44 MAIN ST 0.4 MI KEEP STRAIGHT ONTO US-5 MAIN ST PASS GULF IN 2.0 MI 6.4 MI TURN RIGHT ONTO CT-194 SULLIVAN AVE 0.3 MI BEAR LEFT ONTO RYE STEXXON ON THE CORNER 2.2 MI TURN RIGHT ONTO PLANTATION RD 0.5 MI ARRIVE AT 50 PLANTATION RD.

1. THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF AT&T. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.
2. THE FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.
3. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE AT&T REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



CALL
 BEFORE YOU DIG
 CALL TOLL FREE 800-922-4455

UNDERGROUND SERVICE ALERT

Hudson Design Group LLC
 1400 OSSGOOD STREET
 BUILDING 20 NORTH, SUITE 2-101
 N. ANDOVER, MA 01845
 TEL: (978) 557-5553
 FAX: (978) 336-5586

NEXLINK GLOBAL SERVICES
 a UniTek GLOBAL SERVICES company
 800 MARSHALL PHELPS ROAD UNIT#: 2A
 WINDSOR, CT 06095

SITE NUMBER: CT1140
SITE NAME: EAST WINDSOR WATER TOWER
 50 PLANTATION ROAD
 EAST WINDSOR, CT 06016
 HARTFORD COUNTY

at&t
 500 ENTERPRISE DRIVE, SUITE 3A
 ROCKY HILL, CT 06067

| | | | | | | |
|------------------------------------|------|-----------------|--------------|-----|---------------------|---------------------|
| 1 04/06/12 ISSUED FOR CONSTRUCTION | | PH | DC | DPH | AT&T | |
| 0 03/06/12 ISSUED FOR REVIEW | | RP | DC | DPH | TITLE SHEET (LTE) | |
| NO. | DATE | REVISIONS | BY | CHK | APP'D | REV |
| SCALE: AS SHOWN | | DESIGNED BY: RP | DRAWN BY: RP | | JOB NUMBER: 1140.01 | DRAWING NUMBER: T-1 |
| | | | | 1 | | 1 |

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 GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GES'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 RING, IN ACCORDANCE WITH THE NEC.
11. METAL CONDUIT SHALL BE MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWS COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
12. ALL NEW STRUCTURES WITH A FOUNDATION AND/OR FOOTING HAVING 20 FT. OR MORE OF 1/2 IN. OR GREATER ELECTRICALLY CONDUCTIVE REINFORCING STEEL MUST HAVE IT BONDED TO THE GROUND RING USING AN EXOTHERMIC WELD CONNECTION USING #2 AWG SOLID BARE TINNED COPPER GROUND WIRE, PER NEC 250.50

GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
 CONTRACTOR - NEXLINK
 SUBCONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)
 OWNER - AT&T MOBILITY
 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 ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, 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 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 DRAWING. 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. SUBCONTRACTOR 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 PREMISES 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 4000 PSI STRENGTH AT 28 DAYS. ALL CONCRETE WORK SHALL BE DONE 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) UNLESS OTHERWISE NOTED. PIPES SHALL BE ASTM A53 TYPE E (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 UMS SPECIFICATIONS AND "GENERAL CONSTRUCTION SERVICES FOR CONSTRUCTION OF AT&T MOBILITY 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 OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
 18. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION 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 MAINTENANCE 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 CONTRACT AWARD SHALL GOVERN THE DESIGN.
 BUILDING CODE: 2003 IBC WITH 2005 CT SUPPLEMENT & 2009 CT AMENDMENTS
 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, NINTH EDITION;
 - TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-F, STRUCTURAL STANDARDS FOR STEEL
 - ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES; REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC ELECTRICAL STANDARDS.
- FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ABBREVIATIONS

| | | | | | |
|----------|--------------------------|----------|--------------------|------|----------------------------|
| AGL | ABOVE GRADE LEVEL | G.C. | GENERAL CONTRACTOR | RF | RADIO FREQUENCY |
| AWG | AMERICAN WIRE GAUGE | MGB | MASTER GROUND BUS | | |
| BCW | BARE COPPER WIRE | MIN | MINIMUM | TBD | TO BE DETERMINED |
| BTS | BASE TRANSCIEVER STATION | PROPOSED | NEW | TBR | TO BE REMOVED |
| EXISTING | EXISTING | REF | REFERENCE | TBRR | TO BE REMOVED AND REPLACED |
| EG | EQUIPMENT GROUND | REQ | REQUIRED | TYP | TYPICAL |
| EGR | EQUIPMENT GROUND RING | | | | |

Hudson
Design Group LLC

1400 OSGOOD STREET
BUILDING 20 NORTH, SUITE 2-101
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 334-5586

NEXLINK
GLOBAL SERVICES

a UniTek GLOBAL SERVICES company
800 MARSHALL PHELPS ROAD UNIT#: 2A
WINDSOR, CT 06095

SITE NUMBER: CT1140
SITE NAME: EAST WINDSOR WATER TOWER

50 PLANTATION ROAD
EAST WINDSOR, CT 06016
HARTFORD COUNTY

500 ENTERPRISE DRIVE, SUITE 3A
ROCKY HILL, CT 06067

AT&T

GENERAL NOTES (LTE)

| | | | | | | | | |
|-----|----------|-------------------------|----|-----|-------|------------|----------------|-----|
| NO. | DATE | REVISIONS | BY | CHK | APP'D | JDC NUMBER | DRAWING NUMBER | REV |
| 1 | 04/06/12 | ISSUED FOR CONSTRUCTION | PN | DC | DPH | 1140.01 | GN-1 | 1 |
| 0 | 03/06/12 | ISSUED FOR REVIEW | RP | DC | DPH | | | |

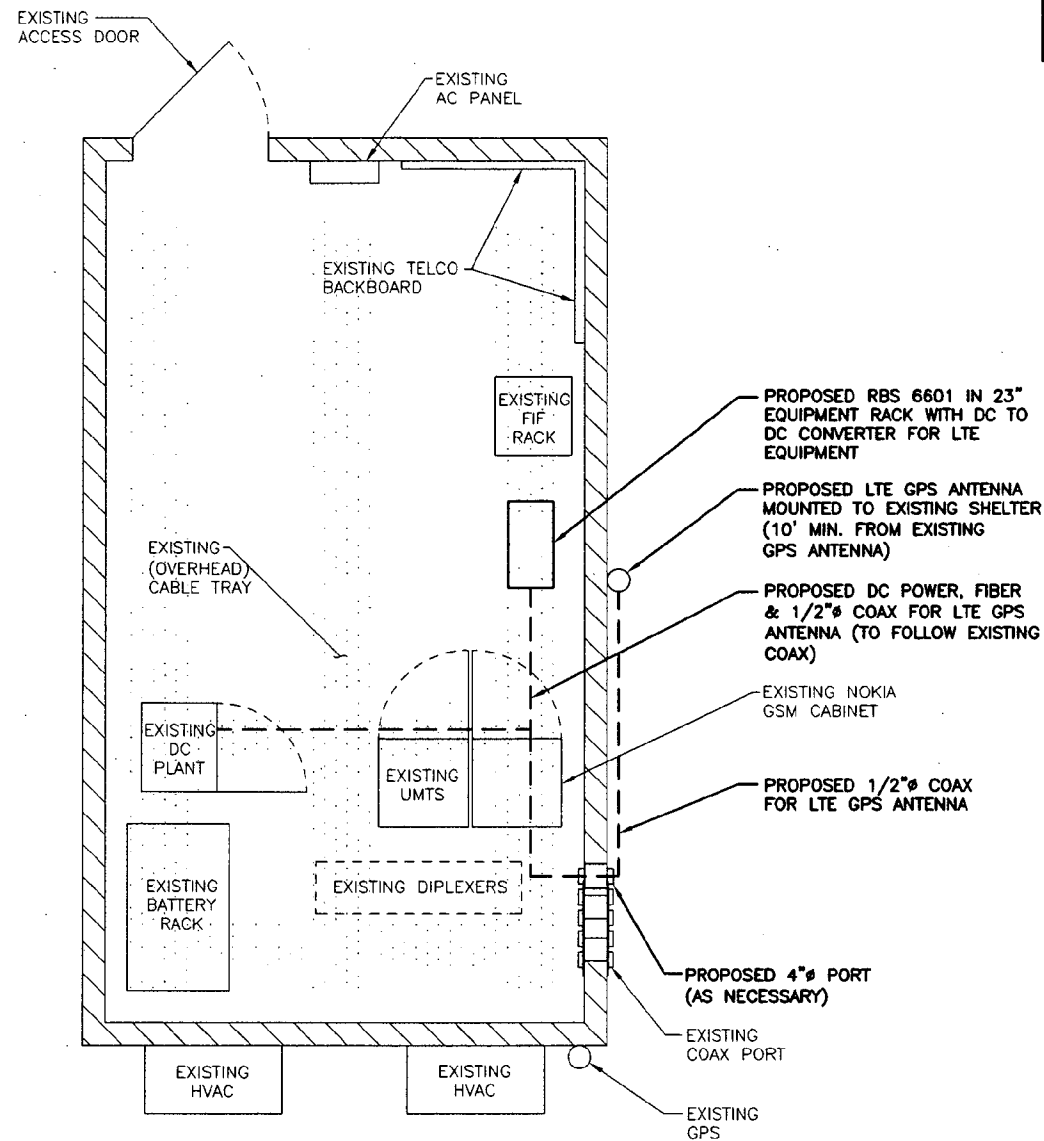
SCALE: AS SHOWN DESIGNED BY: RP DRAWN BY: RP

Daniel P. Hamm
LICENSED PROFESSIONAL ENGINEER
No. 24779



NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

NOTE:
ALL ANTENNAS AND COAX TO BE INSTALLED IN ACCORDANCE WITH STRUCTURAL ANALYSIS PROVIDED BY: HUDSON DESIGN GROUP, LLC DATED: MARCH 26, 2012.



EQUIPMENT PLAN

SCALE: 1/2"=1'-0"



PROPOSED AT&T LTE ANTENNA MOUNTED TO EXISTING MOUNTING PIPE (TYP. OF 1 PER SECTOR, TOTAL OF 3)
ALPHA SECTOR: P65-17-XLH-RR
BETA SECTOR: P65-17-XLH-RR
GAMMA SECTOR: AM-X-CD-16-65-00T

PROPOSED SURGE ARRESTOR DC2-48-60-0-9E WITH UNISTRUT, MOUNTED TO EXISTING MOUNTING PIPE (TYP. OF 1 PER SECTOR, TOTAL OF 3)

PROPOSED RRH WITH UNISTRUT MOUNTED TO EXISTING MOUNTING PIPE (TYP. OF 2 PER SECTOR, TOTAL OF 6)

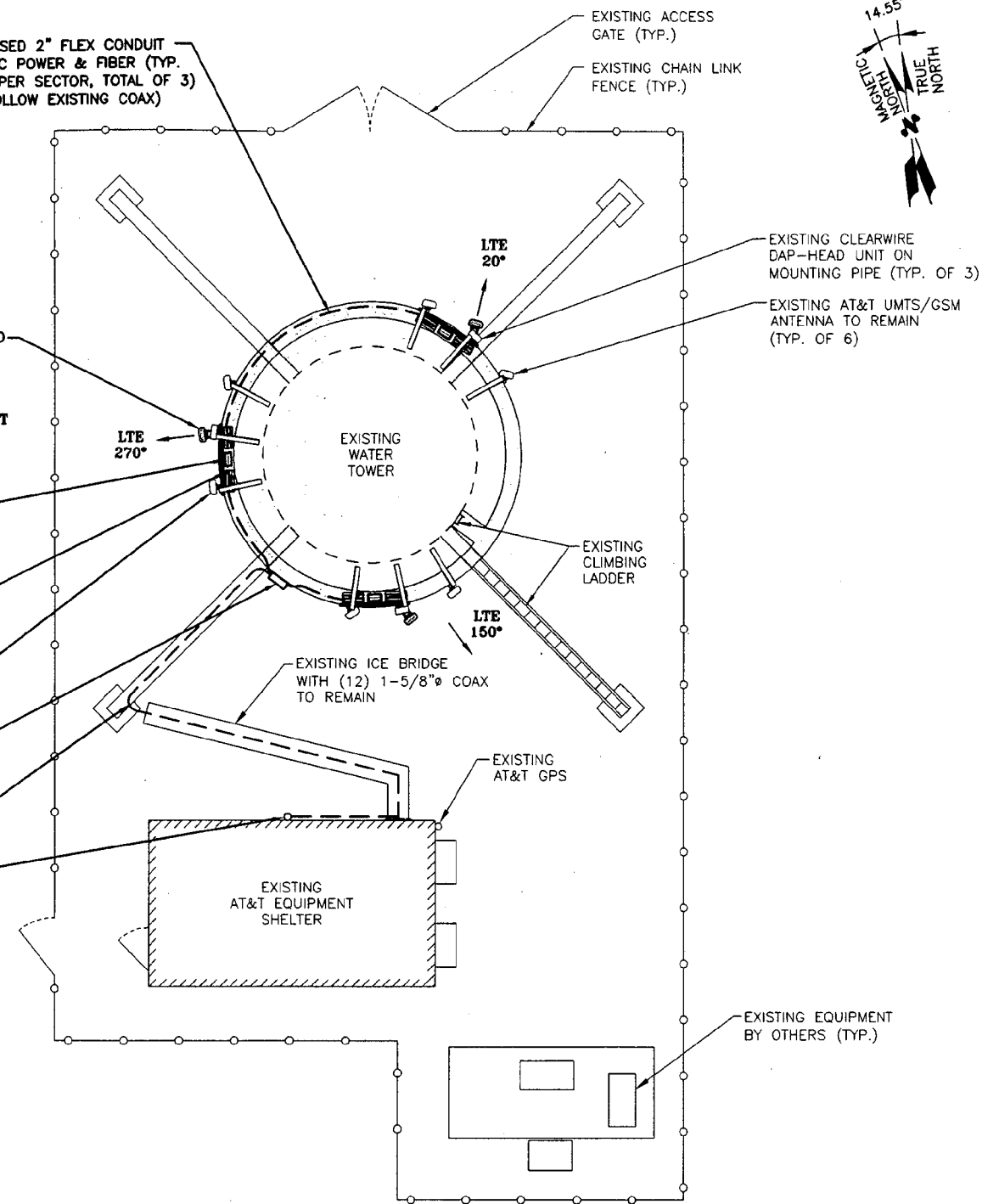
PROPOSED PAN EXISTING UMTS/GSM ANTENNA TO NEW LTE AZIMUTH

PROPOSED FIBER POWER CONNECTOR FC12-PC6-10E MOUNTED TO EXISTING RAILING

PROPOSED 3" FLEX CONDUIT FOR DC POWER & FIBER, (TO FOLLOW EXISTING COAX)

PROPOSED LTE GPS ANTENNA MOUNTED TO EXISTING SHELTER (10' MIN. FROM EXISTING GPS ANTENNA)

PROPOSED 2" FLEX CONDUIT FOR DC POWER & FIBER (TYP. OF 1 PER SECTOR, TOTAL OF 3) (TO FOLLOW EXISTING COAX)



COMPOUND PLAN

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



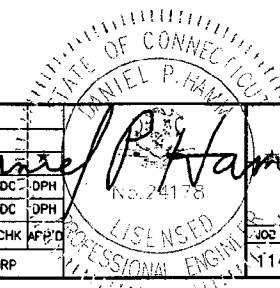
Hudson Design Group, LLC
1600 OSGOOD STREET
BUILDING 20 NORTH, SUITE 2-101
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

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a UniTek GLOBAL SERVICES company
800 MARSHALL PHELPS ROAD UNIT#: 2A
WINDSOR, CT 06095

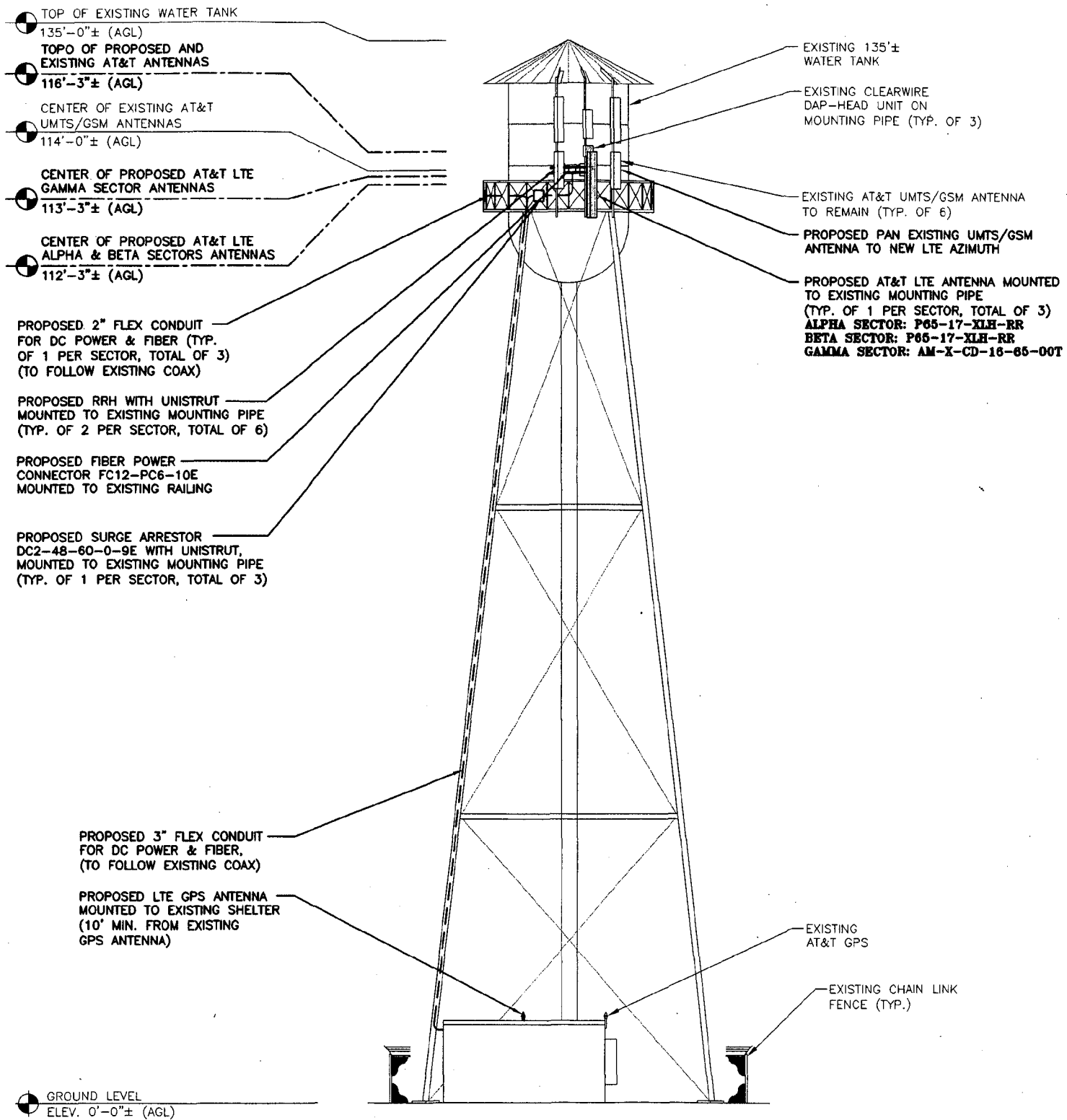
SITE NUMBER: CT1140
SITE NAME: EAST WINDSOR WATER TOWER
50 PLANTATION ROAD
EAST WINDSOR, CT 06016
HARTFORD COUNTY

at&t
500 ENTERPRISE DRIVE, SUITE 3A
ROCKY HILL, CT 06067

| | | | | | | | | | |
|----------|----------|-------------------------|-----------|-----------|-----|-------|------------|----------------|-----|
| NO. | | DATE | REVISIONS | BY | CHK | APP'D | JOB NUMBER | DRAWING NUMBER | REV |
| 1 | 04/06/12 | ISSUED FOR CONSTRUCTION | | PH | DC | DPH | 1140.01 | A-1 | 1 |
| 0 | 03/06/12 | ISSUED FOR REVIEW | | RP | DC | DPH | | | |
| SCALE: | | DESIGNED BY: | | DRAWN BY: | | | | | |
| AS SHOWN | | RP | | RP | | | | | |



AT&T
EQUIPMENT & COMPOUND PLAN (LTE)

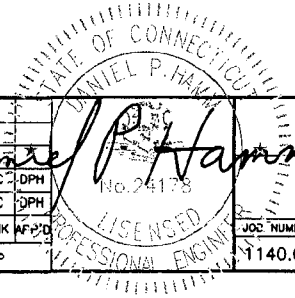
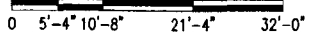


NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

NOTE:
ALL ANTENNAS AND COAX TO BE INSTALLED IN ACCORDANCE WITH STRUCTURAL ANALYSIS PROVIDED BY: HUDSON DESIGN GROUP, LLC DATED: MARCH 26, 2012.

SOUTH ELEVATION

SCALE: 3/32"=1'-0"



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1600 OSGOOD STREET
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NEXLINK GLOBAL SERVICES
a UniTek GLOBAL SERVICES company
800 MARSHALL PHELPS ROAD UNIT# 2A
WINDSOR, CT 06095

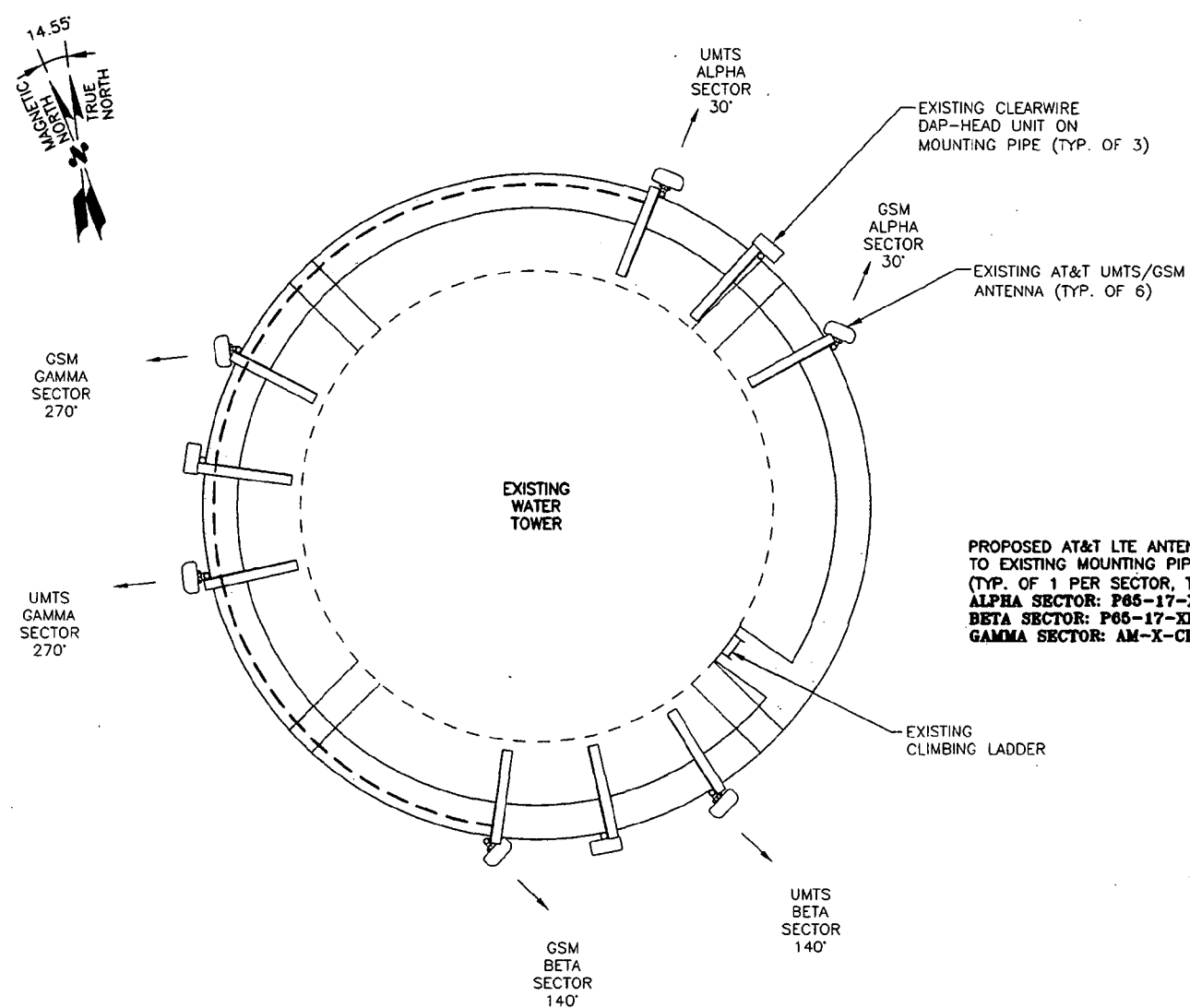
SITE NUMBER: CT1140
SITE NAME: EAST WINDSOR WATER TOWER
50 PLANTATION ROAD
EAST WINDSOR, CT 06016
HARTFORD COUNTY

at&t
500 ENTERPRISE DRIVE, SUITE 3A
ROCKY HILL, CT 06067

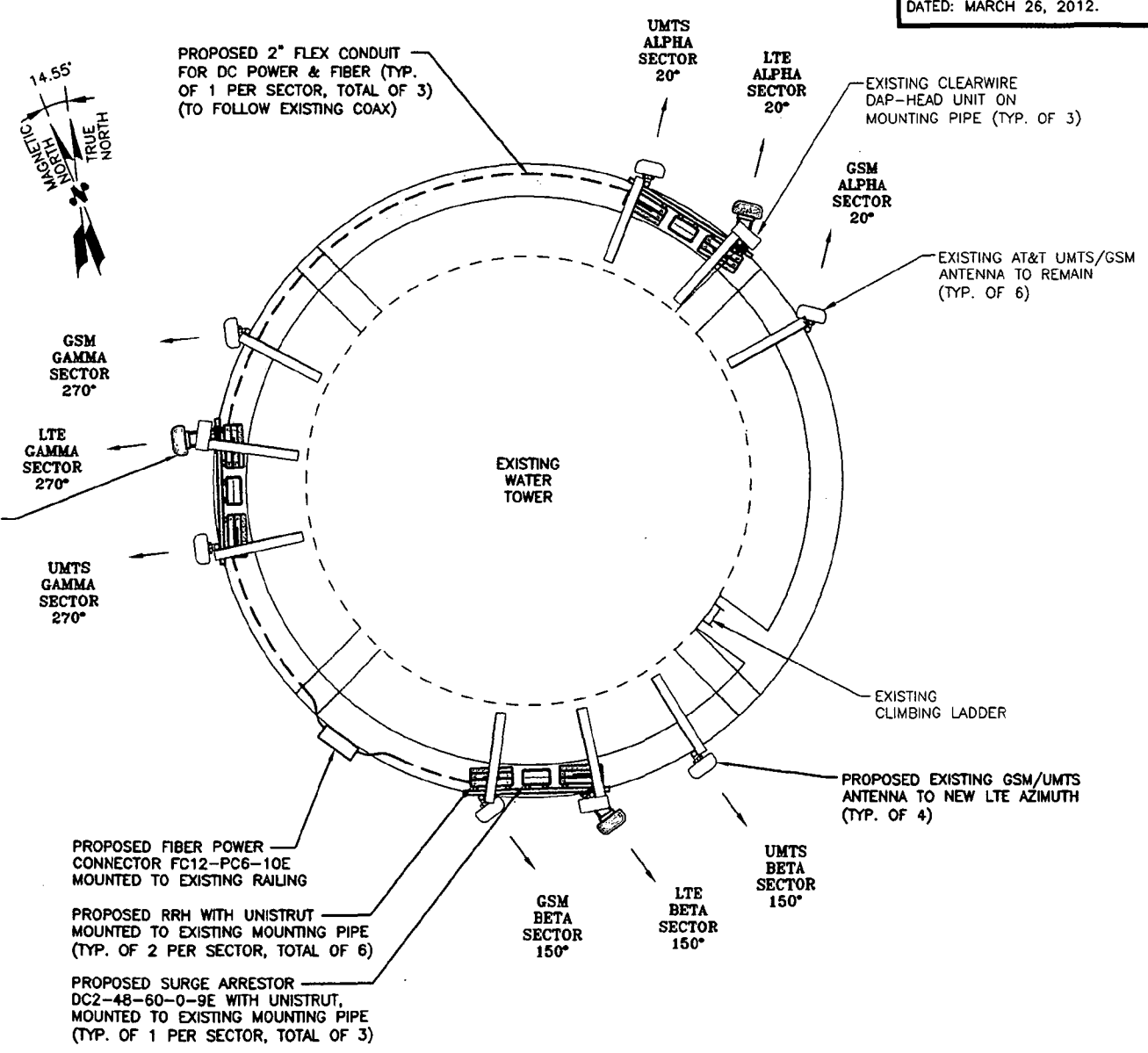
| | | | | | | | |
|-----------------|----------|-------------------------|----|-----|-------|----------------------|----------------|
| | | | | | | AT&T | |
| | | | | | | ELEVATION PLAN (LTE) | |
| NO. | DATE | REVISIONS | BY | CHK | APP'D | JOB NUMBER | DRAWING NUMBER |
| 1 | 04/06/12 | ISSUED FOR CONSTRUCTION | PN | DC | DPH | 1140.01 | A-2 |
| 0 | 03/06/12 | ISSUED FOR REVIEW | RP | DC | DPH | | |
| SCALE: AS SHOWN | | | | | | DESIGNED BY: RP | DRAWN BY: RP |
| | | | | | | | 1 |

NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

NOTE:
ALL ANTENNAS AND COAX TO BE INSTALLED IN ACCORDANCE WITH STRUCTURAL ANALYSIS PROVIDED BY: HUDSON DESIGN GROUP, LLC DATED: MARCH 26, 2012.



EXISTING UMTS/GSM ANTENNA PLAN
SCALE: N.T.S.



PROPOSED LTE ANTENNA PLAN
SCALE: N.T.S.

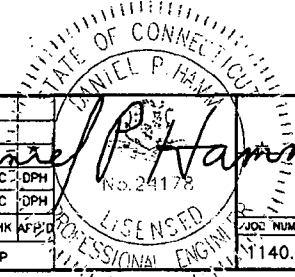
Hudson Design Group
1600 OSGOOD STREET
BUILDING 20 NORTH, SUITE 2-101
N. ANDOVER, MA 01845
TEL: (978) 557-5553
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NEXLINK
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a UniTek GLOBAL SERVICES company
800 MARSHALL PHELPS ROAD UNIT#: 2A
WINDSOR, CT 06095

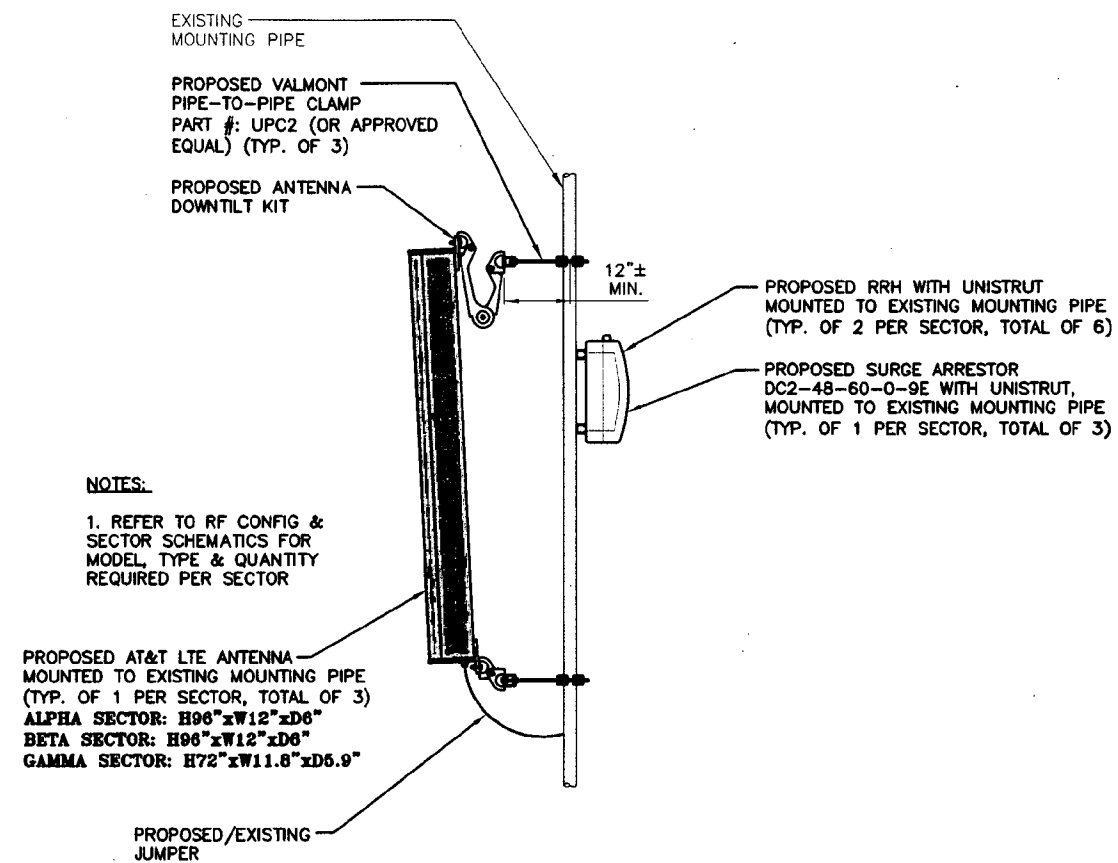
SITE NUMBER: CT1140
SITE NAME: EAST WINDSOR WATER TOWER
50 PLANTATION ROAD
EAST WINDSOR, CT 06016
HARTFORD COUNTY

at&t
500 ENTERPRISE DRIVE, SUITE 3A
ROCKY HILL, CT 06067

| | | | | | | | | | | | | |
|-----|----------|------|-------------------------|----|-----|-------|-----------------|-----------------|--------------|-------------------------|---------------------|--------|
| NO. | | DATE | REVISIONS | BY | CHK | APP'D | SCALE: AS SHOWN | DESIGNED BY: RP | DRAWN BY: RP | PROJECT NUMBER: 1140.01 | DRAWING NUMBER: A-3 | REV: 1 |
| 1 | 04/06/12 | | ISSUED FOR CONSTRUCTION | PN | DC | DPH | | | | | | |
| 0 | 03/06/12 | | ISSUED FOR REVIEW | RP | DC | DPH | | | | | | |



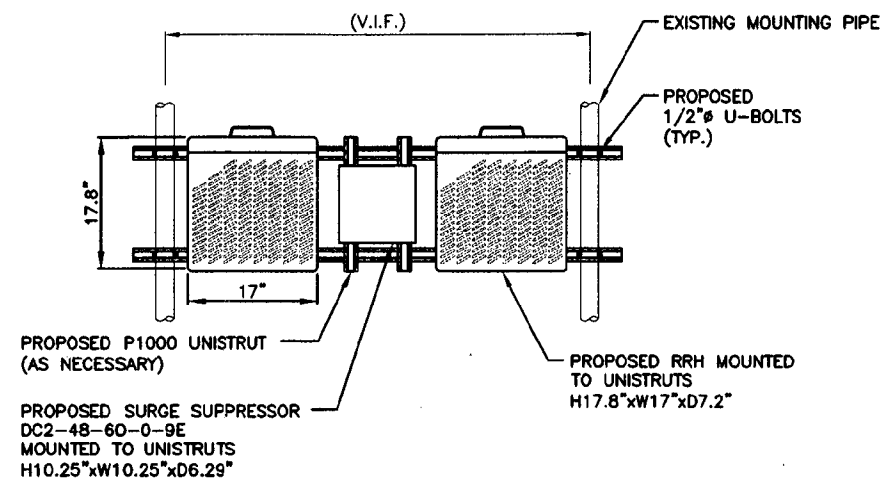
AT&T
ANTENNA PLAN (LTE)



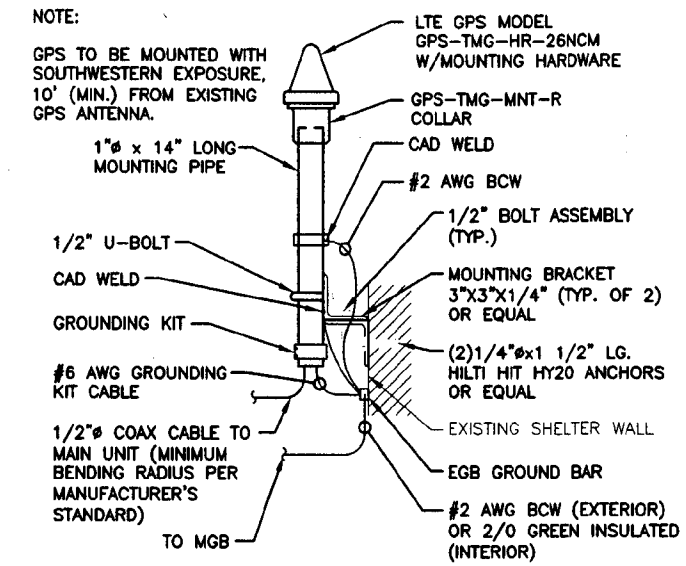
PROPOSED LTE ANTENNA MOUNTING DETAIL
 SCALE: N.T.S.

NOTE:
 REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

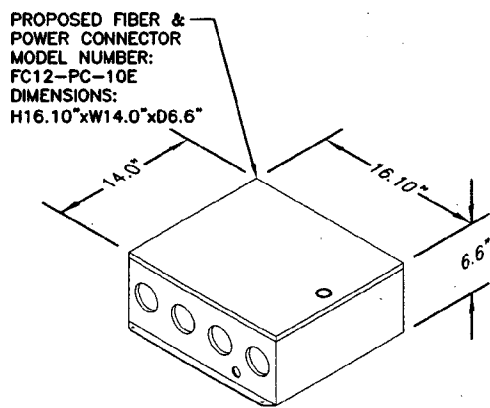
NOTE:
 ALL ANTENNAS AND COAX TO BE INSTALLED IN ACCORDANCE WITH STRUCTURAL ANALYSIS PROVIDED BY: HUDSON DESIGN GROUP, LLC DATED: MARCH 26, 2012.



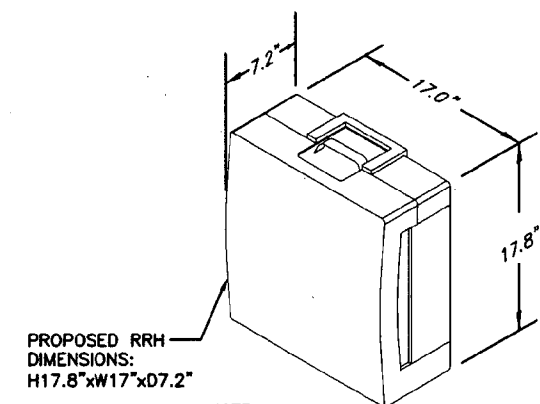
PROPOSED RRH AND SURGE ARRESTOR MOUNTING DETAIL
 SCALE: N.T.S.



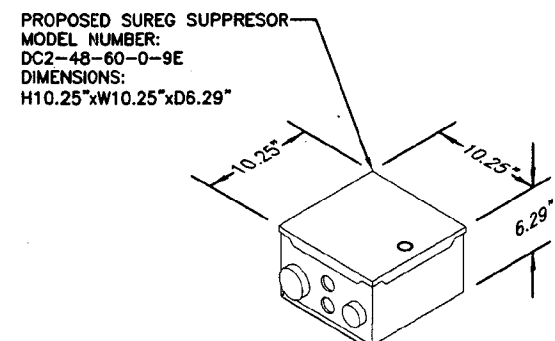
GPS MOUNTING DETAIL
 SCALE: N.T.S.



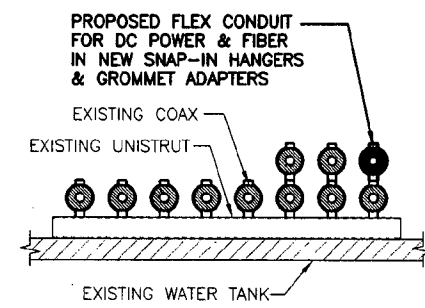
FIBER & POWER CONNECTOR DETAIL
 SCALE: N.T.S.



RRH DETAIL
 SCALE: N.T.S.



DC SURGE SUPPRESSOR DETAIL
 SCALE: N.T.S.



CABLE MOUNTING DETAIL
 SCALE: N.T.S.

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NEXLINK GLOBAL SERVICES

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800 MARSHALL PHELPS ROAD UNIT#: 2A
 WINDSOR, CT 06095

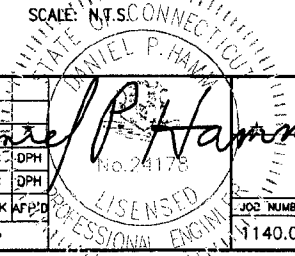
SITE NUMBER: CT1140
SITE NAME: EAST WINDSOR WATER TOWER

50 PLANTATION ROAD
 EAST WINDSOR, CT 06016
 HARTFORD COUNTY

at&t

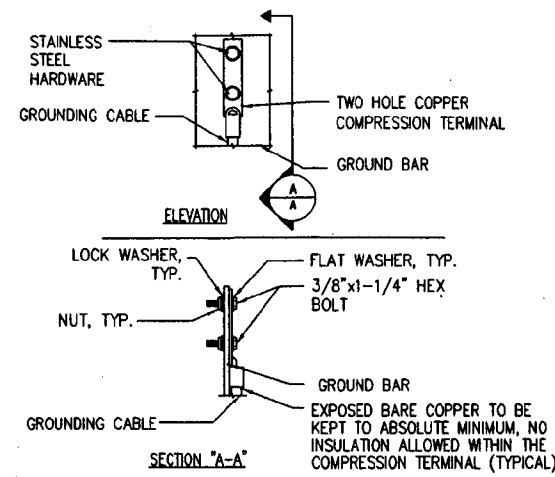
500 ENTERPRISE DRIVE, SUITE 3A
 ROCKY HILL, CT 06067

| | | | | | | | | | | | |
|----------|----------|--------------|-------------------------|-----------|-----|-------|------------|--|----------------|--|-----|
| NO. | | DATE | REVISIONS | BY | CHK | APP'D | JOB NUMBER | | DRAWING NUMBER | | REV |
| 1 | 04/06/12 | | ISSUED FOR CONSTRUCTION | PN | DC | DPH | 1140.01 | | A-4 | | 1 |
| 0 | 03/06/12 | | ISSUED FOR REVIEW | RP | DC | DPH | | | | | |
| SCALE: | | DESIGNED BY: | | DRAWN BY: | | | | | | | |
| AS SHOWN | | RP | | RP | | | | | | | |



AT&T

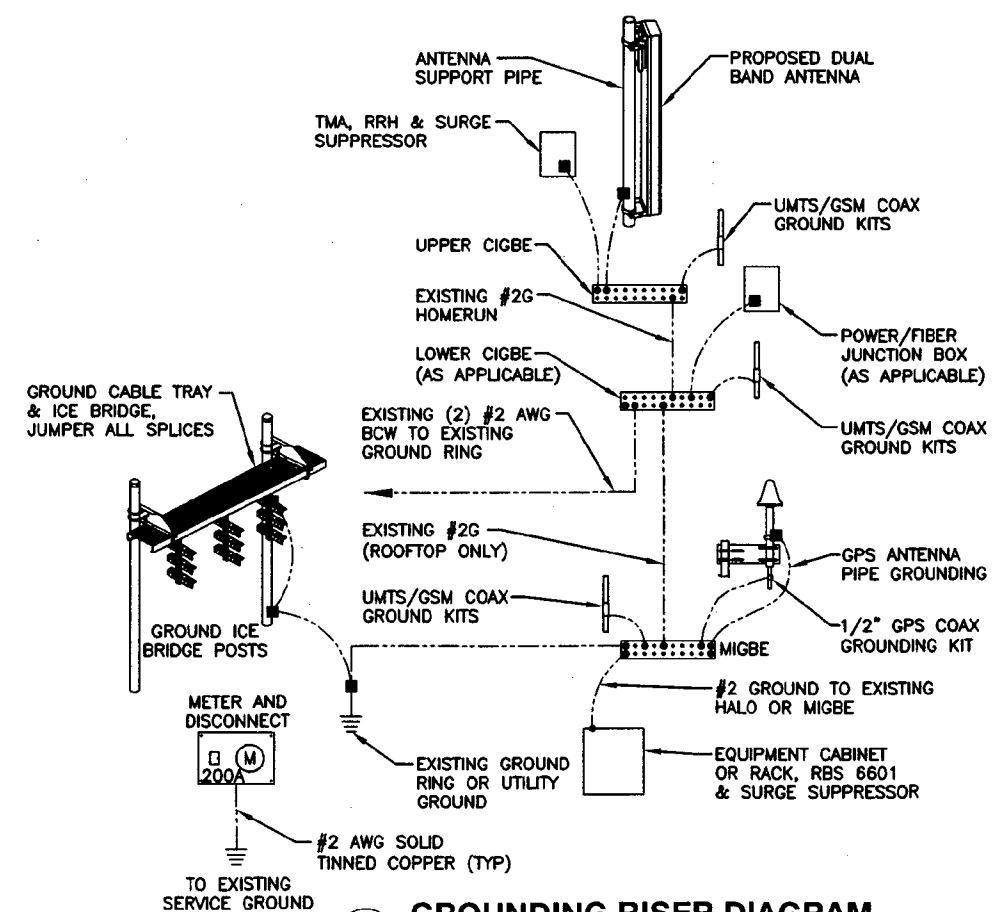
DETAILS (LTE)



- NOTE:
1. "DOUBLING UP" OR "STACKING" OF CONNECTION IS NOT PERMITTED.
 2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.
 3. CADWELD DOWNLEADS FROM UPPER EGB, LOWER EGB, AND MGB.

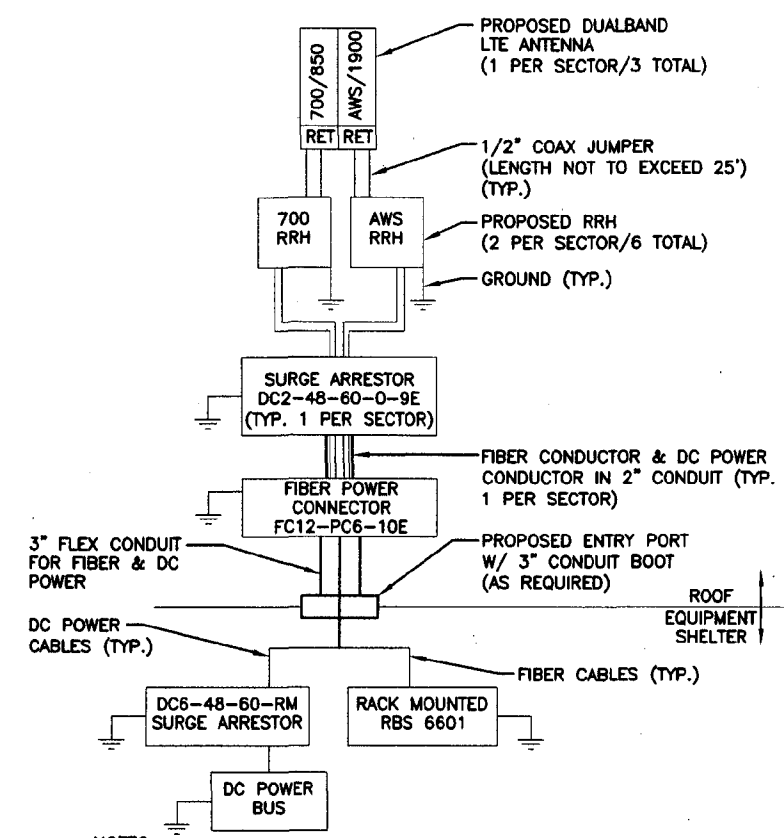
TYPICAL GROUND BAR CONNECTION DETAIL

2
N.T.S.



GROUNDING RISER DIAGRAM

1
N.T.S.

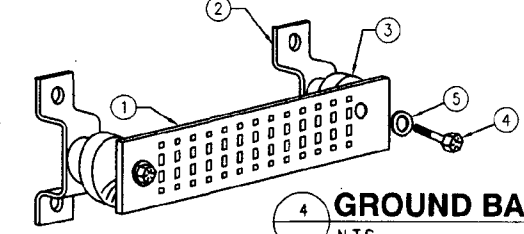


- NOTES:
1. CONTRACTOR TO CONFIRM ALL PARTS.
 2. INSTALL ALL EQUIPMENT TO MANUFACTURER'S RECOMMENDATIONS.

PLUMBING DIAGRAM

3
N.T.S.

| WIRELESS SOLUTIONS INC. | | | |
|-------------------------|------|--------------|------------------------------|
| NO. | REQ. | PART NO. | DESCRIPTION |
| 1 | 1 | HLGB-0420-IS | SOLID GND. BAR (20"x4"x1/4") |
| 2 | 2 | | WALL MTG. BRKT. |
| 3 | 2 | | INSULATORS |
| 4 | 4 | | 5/8"-11x1" H.H.C.S. |
| 5 | 4 | | 5/8 LOCKWASHER |



GROUND BAR - DETAIL

4
N.T.S.

EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

- SECTION "P" - SURGE PRODUCERS
- CABLE ENTRY PORTS (HATCH PLATES) (#2)
 - GENERATOR FRAMEWORK (IF AVAILABLE) (#2)
 - TELCO GROUND BAR
 - COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND (#2)
 - +24V POWER SUPPLY RETURN BAR (#2)
 - 48V POWER SUPPLY RETURN BAR (#2)
 - RECTIFIER FRAMES.
- SECTION "A" - SURGE ABSORBERS
- INTERIOR GROUND RING (#2)
 - EXTERNAL EARTH GROUND FIELD (BURIED GROUND RING) (#2)
 - METALLIC COLD WATER PIPE (IF AVAILABLE) (#2)
 - BUILDING STEEL (IF AVAILABLE) (#2)

Hudson Design Group

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NEXLINK GLOBAL SERVICES

a UniTek GLOBAL SERVICES company

800 MARSHALL PHELPS ROAD UNIT # 2A
WINDSOR, CT 06095

SITE NUMBER: CT1140
SITE NAME: EAST WINDSOR WATER TOWER

50 PLANTATION ROAD
EAST WINDSOR, CT 06016
HARTFORD COUNTY

at&t

500 ENTERPRISE DRIVE, SUITE 3A
ROCKY HILL, CT 06067

AT&T

PLUMBING DIAGRAM & GROUNDING DETAILS (LTE)

1 04/06/12 ISSUED FOR CONSTRUCTION PN DC JDPH
0 03/06/12 ISSUED FOR REVIEW RP DC JDPH

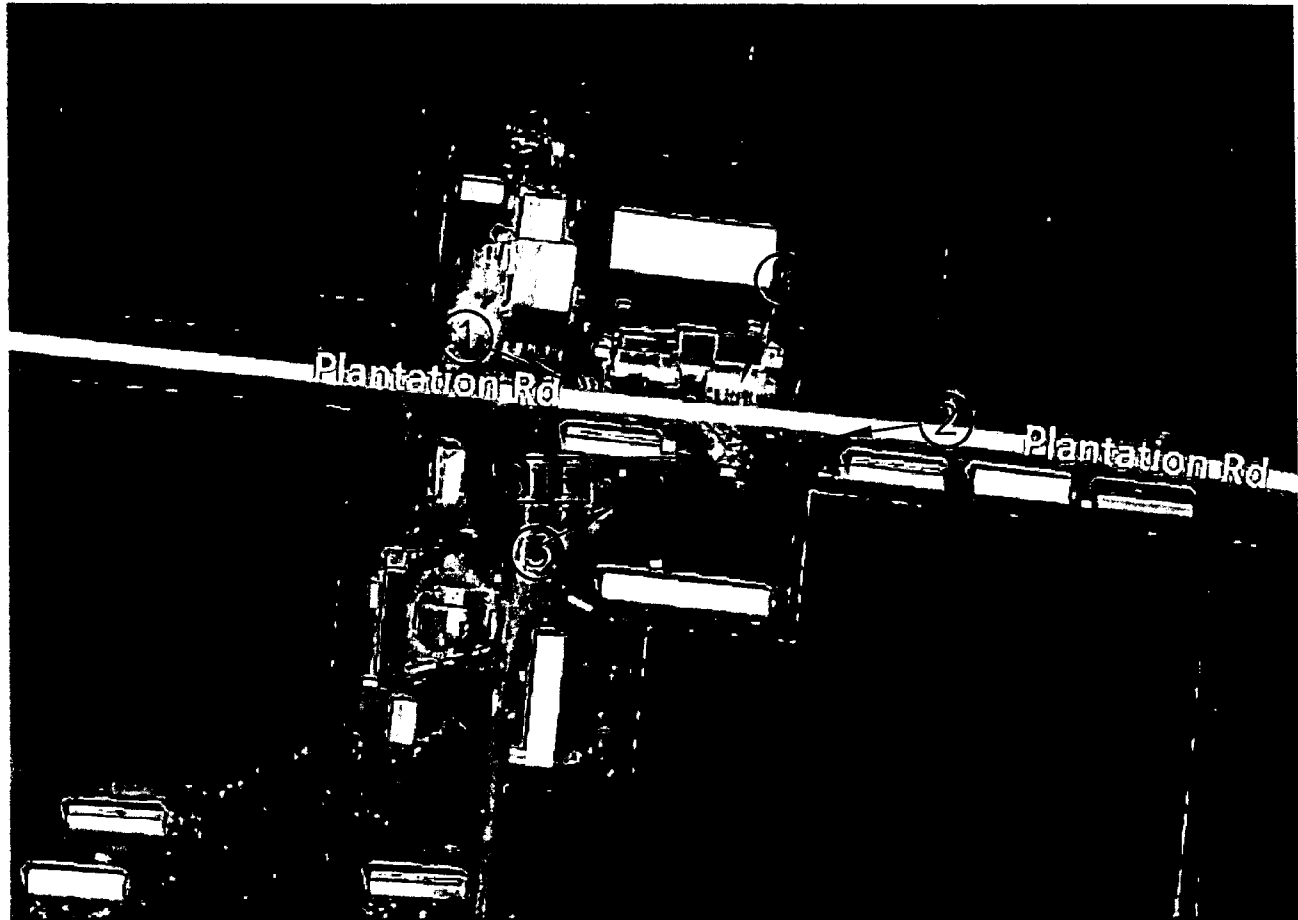
NO. DATE REVISIONS BY CHK APP'D

SCALE: AS SHOWN DESIGNED BY: RP DRAWN BY: RP

JOB NUMBER 1140.01 DRAWING NUMBER G-1 REV 1

Daniel P. Hamann
PROFESSIONAL ENGINEER
STATE OF CONNECTICUT
No. 24178

LOCUS MAP




① PHOTO LOCATION

FOR VISUAL REFERENCE ONLY.
ACTUAL VISIBILITY IS DEPENDANT
UPON WEATHER CONDITIONS, SEASON,
SUNLIGHT, AND VIEWER LOCATION

APPROX.
NORTH




PHOTO LOCATIONS
NOT TO SCALE

| | | | |
|--|--|--|---|
| <p>SITE NO: CT1140 SITE NAME: EAST WINDSOR WATER TOWER ADDRESS: 50 PLANTATION ROAD EAST WINDSOR, CT 06016</p> |  500 ENTERPRISE DRIVE, SUITE 3A ROCKY HILL, CT 06067 | <p>SITE TYPE: WATER TANK DRAWN BY: DB</p> | <p>DATE: 04/09/12 SCALE: NTS</p> |
|--|--|--|---|

EXISTING CONDITIONS



PHOTO LOCATION # 1
VIEW EAST FROM PLANTATION RD.
DATE OF PHOTO: 04/04/12

| | | | |
|--|--|------------------------------|--------------------------|
| SITE NO: CT1140 |  500 ENTERPRISE DRIVE, SUITE 3A ROCKY HILL, CT 06067 | SITE TYPE: WATER TANK | DATE: 04/09/12 |
| SITE NAME: EAST WINDSOR WATER TOWER ADDRESS: 50 PLANTATION ROAD EAST WINDSOR, CT 06016 | | DRAWN BY: DB | SCALE: NTS |

PROPOSED CONDITIONS

PROPOSED RRH MOUNTED BEHIND
GUARDRAIL (TYP. OF 2 PER
SECTOR, TOTAL OF 6)

PROPOSED LTE ANTENNA ON
EXISTING ANTENNA MOUNT
(TYP. OF 1 PER SECTOR,
TOTAL OF 3)

PROPOSED FIBER POWER
CONNECTOR FC12-PC6-10E
MOUNTED TO EXISTING RAILING



PROPOSED SURGE ARRESTOR
MOUNTED TO MOUNTED BEHIND
GUARDRAIL (TYP. OF 1 PER
SECTOR, TOTAL OF 3)

PHOTO LOCATION # 1
VIEW EAST FROM PLANTATION RD.
DATE OF PHOTO: 04/04/12

| | | | |
|---|---|---|-------------------|
| SITE NO: CT1140 |  | SITE TYPE: WATER TANK | DATE: 04/09/12 |
| SITE NAME: EAST WINDSOR WATER TOWER | | 500 ENTERPRISE DRIVE, SUITE 3A ROCKY HILL, CT 06067 | DRAWN BY: DB |
| ADDRESS: 50 PLANTATION ROAD EAST WINDSOR, CT 06016 | | | |

EXISTING CONDITIONS



PHOTO LOCATION # 2
VIEW WEST FROM PLANTATION RD.
DATE OF PHOTO: 04/04/12

SITE NO: CT1140
SITE NAME: EAST WINDSOR WATER TOWER
ADDRESS: 50 PLANTATION ROAD
EAST WINDSOR, CT 06016



500 ENTERPRISE DRIVE,
SUITE 3A
ROCKY HILL, CT 06067

SITE TYPE: WATER TANK

DATE:
04/09/12

DRAWN BY: DB

SCALE: NTS

PROPOSED CONDITIONS

PROPOSED LTE ANTENNA ON
EXISTING ANTENNA MOUNT
(TYP. OF 1 PER SECTOR,
TOTAL OF 3)

PROPOSED RRH MOUNTED BEHIND
GUARDRAIL (TYP. OF 2 PER
SECTOR, TOTAL OF 6)



PROPOSED SURGE ARRESTOR
MOUNTED TO MOUNTED BEHIND
GUARDRAIL (TYP. OF 1 PER
SECTOR, TOTAL OF 3)

PHOTO LOCATION # 2
VIEW WEST FROM PLANTATION RD.
DATE OF PHOTO: 04/04/12

SITE NO: CT1140
SITE NAME: EAST WINDSOR WATER TOWER
ADDRESS: 50 PLANTATION ROAD
EAST WINDSOR, CT 06016

 **at&t**
500 ENTERPRISE DRIVE,
SUITE 3A
ROCKY HILL, CT 06067

SITE TYPE: WATER TANK

DATE:
04/09/12


DRAWN BY: DB

SCALE: NTS

EXISTING CONDITIONS



PHOTO LOCATION # 3
VIEW NORTHEAST
DATE OF PHOTO: 04/04/12

| | | | |
|--|---|------------------------------|--------------------------|
| SITE NO: CT1140 |  | SITE TYPE: WATER TANK | DATE: 04/09/12 |
| SITE NAME: EAST WINDSOR WATER TOWER | 500 ENTERPRISE DRIVE, SUITE 3A ROCKY HILL, CT 06067 | DRAWN BY: DB | SCALE: NTS |
| ADDRESS: 50 PLANTATION ROAD EAST WINDSOR, CT 06016 | | | |

PROPOSED CONDITIONS

PROPOSED LTE ANTENNA ON EXISTING ANTENNA MOUNT (TYP. OF 1 PER SECTOR, TOTAL OF 3)

PROPOSED FIBER POWER CONNECTOR FC12-PC6-10E MOUNTED TO EXISTING RAILING



PROPOSED RRH MOUNTED BEHIND GUARDRAIL (TYP. OF 2 PER SECTOR, TOTAL OF 6)

PHOTO LOCATION # 3
VIEW NORTHEAST
DATE OF PHOTO: 04/04/12

SITE NO: CT1140
SITE NAME: EAST WINDSOR WATER TOWER
ADDRESS: 50 PLANTATION ROAD
EAST WINDSOR, CT 06016



500 ENTERPRISE DRIVE,
SUITE 3A
ROCKY HILL, CT 06067

SITE TYPE: WATER TANK

DATE:
04/09/12

DRAWN BY: DB

SCALE: NTS

EXISTING CONDITIONS



PHOTO LOCATION # 4
VIEW SOUTHWEST
DATE OF PHOTO: 04/04/12

SITE NO: CT1140

SITE NAME: EAST WINDSOR WATER TOWER

ADDRESS: 50 PLANTATION ROAD
EAST WINDSOR, CT 06016



500 ENTERPRISE DRIVE,
SUITE 3A
ROCKY HILL, CT 06067

SITE TYPE: WATER TANK

DATE:
04/09/12

DRAWN BY: DB

SCALE: NTS

PROPOSED CONDITIONS

PROPOSED LTE ANTENNA ON
EXISTING ANTENNA MOUNT
(TYP. OF 1 PER SECTOR,
TOTAL OF 3)

PROPOSED SURGE ARRESTOR
MOUNTED TO MOUNTED BEHIND
GUARDRAIL (TYP. OF 1 PER
SECTOR, TOTAL OF 3)

PROPOSED RRH MOUNTED
BEHIND GUARDRAIL (TYP. OF 2
PER SECTOR, TOTAL OF 6)



PHOTO LOCATION # 4
VIEW SOUTHWEST
DATE OF PHOTO: 04/04/12

SITE NO: CT1140
SITE NAME: EAST WINDSOR WATER TOWER
ADDRESS: 50 PLANTATION ROAD
EAST WINDSOR, CT 06016


500 ENTERPRISE DRIVE,
SUITE 3A
ROCKY HILL, CT 06067

SITE TYPE: WATER TANK

DATE:
04/09/12

DRAWN BY: DB

SCALE: NTS

SITE PLAN OF SPECIAL USE PERMIT

TOWN OF EAST WINDSOR ♦ Planning and Zoning Application # PZ-2012-12

Planning & Zoning Department ♦ Town Hall ♦ 11 Rye Street Broad Brook, Connecticut 06016 ♦ (860)-623-6030 Fax (860)-623-4798

Application Type: [CHECK ONE OR MORE OF THE FOLLOWING]

Site Plan Review Administrative Site Plan Review Modification of Approved Site Plan

Special Use Permit: (CHECK ONE OF THE FOLLOWING)

- Rear Lot Sale of Alcohol Temporary Liquor Permit
- Volume Reduction Center Solid Waste Facility Excavation
- Other Special Use Permit: (EXPLAIN) _____

Other Applications: (EXPLAIN) _____

Complete all of the following information on the subject property: (please attach copy of Assessor's Street Card)

Property Address/location of proposed activity: (#/street) 160 56 PLANTATION ROAD

Assessor's Map No. 016 | Block No. 50 | Lot No. 001C

Zone District: _____ | Total Parcel Area (acres) _____

Property is served by: [Check One] private well public water septic system public sewer

Is a Referral necessary: [Check One] Abutting Town. CRGOG Inland Wetlands

Precise amount of impervious surface as a result of this proposal _____

Is the property within 500' of an adjoining municipality? Yes No

Project Name & Description/Narrative, i.e., residential, commercial, (number of lots/units, phases, if applicable)

Note: In accordance with Connecticut General Statutes, Section 8-7c, applicant shall provide disclosure of all names of individuals affiliated with Trusts, LLPs and LLCs.

*Applicant Name: NEW CINGULAR WIRELESS PCS, LLC Phone (508) 341-7854

Address: (mailing) 500 ENTERPRISE DR, #3A, ROCKY HILL, CT 06067

*Owner Name: (if not applicant) GLOBAL TOWER PARTNERS Phone (561) 886-3941

Owner Address: (mailing) 750 PARK OF COMMERCE BLDG, #300, BOCA RATON, FL 33487 LLC

Who will be representing this application? List the contact person for staff inquiries below.

Name: DANIEL M. LAUB, CUDDY + FEDER, LLP
Phone (914) 761-1300 Cell/Pager _____ Fax (914) 761-5372 E-mail dlaub@cuddyfeder.com

*This application is not valid unless owner signs on back of this form.

SITE PLAN OF SPECIAL USE PERMIT

All applications for Site Plan, Site Plan Modification, and Special Use Permits must comply with Section 13.5 (Site Plan Approval) of the East Windsor Zoning Regulations. In addition, Special Use Permits must comply with Section 2.7 or other provision specific to the proposal.

WAIVERS OF SPECIFIC REQUIREMENTS

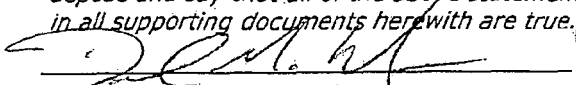
It is not the East Windsor Planning and Zoning Commissions preference to waive any of the specific requirements under sections 13.5. The information requested in that section shall be provided by the applicant unless it is determined unani-mously by the Commission that such a waiver or modification will not impair the Commissions ability to determine the applicant's conformance with the regulations. Staff is not authorized to grant waivers without the unanimous consent of the Commission.

When appropriate to the situation, the Commission may grant a waiver to one or more of the requirements under Section 13.5 only when a written request for such waiver(s) is presented to the Commission with the application. The detail as to the circumstances surrounding the request for waiver(s), the necessity, and what alternatives were reviewed must be presented to the Commission before any such determination can be made.


ADDITIONAL NOTE:

The East Windsor Planning and Zoning Commission requires that suitable bond be posted for site improvements on approved plans. An estimate for all building and site work, public and private, must be prepared by the applicant and submitted with the application for review by the Town Engineer. In addition, a separate erosion and sedimentation control bond shall be provided in an amount as determined by the Town Engineer. Site improvements shall be secured by an Irrevocable Letter of Credit. Erosion and Sedimentation Control measures shall be secured by a cash (passbook) bond.

The undersigned hereby permits town staff and commission members to enter onto and inspect this site during reasonable hours for the purpose of reviewing this application and accompanying plans. I hereby depose and say that all of the above statements as well as the statement and representations contained in all supporting documents herewith are true. (X)


Attorney for the Applicant

5/18/12
Date


APPLICANT'S SIGNATURE 4/24/12
DATE


OWNER'S SIGNATURE (IF NOT APPLICANT)

5/21/12
DATE

OWNER'S SIGNATURE (if not applicant) DATE

FOR OFFICE USE ONLY This application was received at the East Windsor Planning Department on:
Date 5-21-12 Fee Paid: \$ 220.00 Check # 7167

X PURSUANT TO SECTION 6 OF THE DECEMBER 7, 2004 EASEMENT AND ASSIGNMENT AGREEMENT BETWEEN PLANTATION PROPERTIES, LLC AND CELL TOWER LEASE ACQUISITION LLC, AS SUCCESSOR TO UNISON SITE MANAGEMENT LLC, WHICH WAS RECORDED ON SEPTEMBER 26, 2006 IN DEED BOOK 00306, PAGE 0168, CELL TOWER LEASE ACQUISITION LLC HEREBY AUTHORIZES THE APPLICANT TO FILE THIS SITE PLAN OR "SPECIAL USE PERMIT"