



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

June 29, 2010

Thomas J. Regan, Esq.
Brown Rudnick LLP
CityPlace I, 185 Asylum Street
Hartford, CT 06103

RE: **EM-T-MOBILE-004-100611** -- Omnipoint Communications, as subsidiary of T-Mobile USA, Inc. notice of intent to modify an existing telecommunications facility located 81 Montevideo Road, Avon, Connecticut.

Dear Attorney Regan:

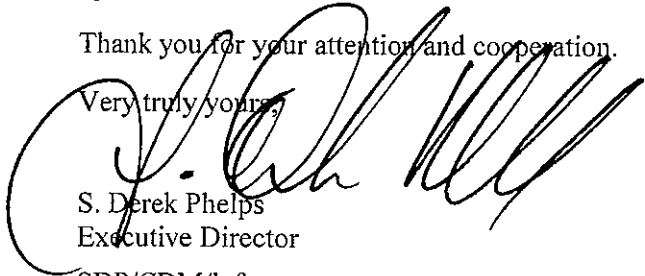
The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated June 11, 2010, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

Thank you for your attention and cooperation.

Very truly yours,


S. Derek Phelps
Executive Director

SDP/CDM/laf

c: The Honorable Mark W. Zacchio, Chairman Town Council, Town of Avon
Brandon Robertson, Town Manager, Town of Avon
Steven V. Kushner, Town Planner, Town of Avon
Maria Scotti, Message Center Management

EM-T-MOBILE-004-100611

RECEIVED
JUN 11 2010

CONNECTICUT
SITING COUNCIL

In re:
T-Mobile USA, Inc. Notice to Make an Exempt : EXEMPT
Modification to an Existing Facility at 81 :
Montevideo Road, Avon, Connecticut. : June 11, 2010

ORIGINAL

NOTICE OF EXEMPT MODIFICATION

Pursuant to Conn. Agencies Regs. §§ 16-50j-73 and 16-50j-72(b), T-Mobile USA, Inc. ("T-Mobile") hereby gives notice to the Connecticut Siting Council ("Council") and the Town of Avon of T-Mobile's intent to make an exempt modification to the existing lattice tower (the "Tower") located at 81 Montevideo Road in Avon, Connecticut. Specifically, T-Mobile plans to upgrade its wireless system in Connecticut by implementing its Universal Mobile Telecommunications System ("UMTS"). UMTS is a third-generation ("3G") technology that utilizes a code division multiple access ("CDMA") base to allow for fast and large data transfers. To accomplish this upgrade, T-Mobile must modify its antenna and equipment configurations at many of its existing sites.

Once the UMTS upgrade is complete, T-Mobile will operate on a more unified communication system, allowing international wireless telephones to function world-wide. Furthermore, UMTS will enhance GPS navigation capabilities and provide emergency responders with more advanced tracking capabilities. The proposed UMTS technology is compatible with the existing second-generation ("2G") Global System for Mobile Communication ("GSM") currently on the Tower and the proposed upgrade is expected to enhance the existing 2G system. In order to accomplish the upgrade at this site, T-Mobile plans to add UMTS technology and install associated equipment at the base of the Tower.

Under the Council's regulations (Conn. Agencies Regs. § 16-50j-72(b)), T-Mobile's plans do not constitute a modification subject to the Council's review because T-Mobile will not

change the height of the Tower, will not extend the boundaries of the compound, will not increase the noise levels at the site, and will not increase the total radio frequency electromagnetic radiation power density at the site to levels above applicable standards.

The Tower is a 150-foot lattice tower located at 81 Montevideo Road in Avon, Connecticut (latitude 41° 48' 11" N, longitude 72° 48' 04.75" W). The Tower is owned by Message Center Management. Currently, T-Mobile has 6 GSM panel antennas and Tower Mounted Amplifiers ("TMA") located on the Tower with a centerline of 136 feet. A site plan with Tower specifications is attached.

T-Mobile plans to add 1 UMTS dual pole antenna and 1 Twin AWS TMA to the existing frame on the gamma sector of the Tower. T-Mobile will also add 2 1-5/8" coax cables. The proposed antenna and TMA will have the same centerline as the existing antennas – 136 feet. To confirm the Tower can support these changes, T-Mobile commissioned Armor Tower to perform a structural analysis of the Tower (attached). According to the structural analysis, dated April 22, 2010, the Tower is "... adequate ... to support the proposed antenna loading" (Page 1, Structural Analysis).

In addition, T-Mobile proposes to mount its UMTS equipment cabinet to the wall of the existing equipment room. T-Mobile also plans to install a remote radio unit ("RRU") alongside the UMTS cabinet inside the existing equipment room. Hence, no increase in the boundaries of the site is necessary.

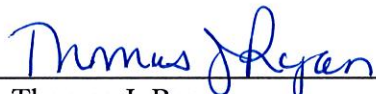
Therefore, excluding brief, minor, construction-related noise during the addition of the antenna and the installation of the equipment cabinet, T-Mobile's changes to the Tower will not increase noise levels at the site.

The proposed antenna and TMA will not adversely impact the health and safety of the surrounding community or the people working on the Tower. The total radio frequency exposure measured around the Tower will be well below the National Council on Radiation

Protection and Measurements' ("NCRP") standard adopted by the Federal Communications Commission ("FCC"). The worst-case power density analysis measured at the base of the Tower indicates that T-Mobile's antenna will emit 5.53% of the NCRP's standard for maximum permissible exposure. A cumulative power density analysis indicates that together, all of the antennas on the Tower will emit only 9.48% of the NCRP's standard for maximum permissible exposure. Therefore, the power density levels will be well below the FCC mandated radio frequency exposure limits in all locations around the Tower, even with extremely conservative assumptions. The power density analysis is attached.

In conclusion, T-Mobile's proposed plan to add a UMTS antenna, TMA, coax cables and associated equipment cabinets does not constitute a modification subject to the Council's jurisdiction because T-Mobile will not increase the height of the Tower, will not extend the boundaries of the site, will not increase the noise levels at the site, and the total radio frequency electromagnetic radiation power density will stay within all applicable standards. *See Conn. Agencies Regs. § 16-50j-72.*

T-Mobile USA, Inc.

By:  _____

Thomas J. Regan
Brown Rudnick LLP
185 Asylum Street, CityPlace I
Hartford, CT 06103-3402
Email - tregan@brownrudnick.com
Phone - 860.509.6522 /Fax - 860.509.6501

Certificate of Service

This is to certify that on this 11th day of June 2010, the foregoing Notice of Exempt Modification was sent, via first class mail, to the following:

Town of Avon
Mark W. Zacchio, Chairman
Avon Town Council
60 West Main Street
Avon, CT 06001

By: Thomas J. Regan
Thomas J. Regan

40273439 v1 - MERCIECM - 025064/0016

AVON TOWER

81 MONTEVIDEO ROAD
AVON, CT 06001

SITE NUMBER: CT11284A

SITE TYPE: CO-LOCATION ON LATTICE TOWER

PROJECT DESCRIPTION:

CONTRACTOR TO INSTALL TELECOMMUNICATIONS EQUIPMENT AT THE EXISTING SITE THAT COMPLIES WITH:

- (1) NEW YORK STATE AND LOCAL REGULATIONS AND ORDINANCES
- (2) NEW YORK STATE AND LOCAL REGULATIONS AND ORDINANCES
- (3) FEDERAL COMMUNICATIONS COMMISSION (FCC) REGULATIONS
- (4) FEDERAL COMMUNICATIONS COMMISSION (FCC) REGULATIONS
- (5) NEW YORK STATE AND LOCAL REGULATIONS AND ORDINANCES
- (6) NEW YORK STATE AND LOCAL REGULATIONS AND ORDINANCES
- (7) NEW YORK STATE AND LOCAL REGULATIONS AND ORDINANCES
- (8) NEW YORK STATE AND LOCAL REGULATIONS AND ORDINANCES
- (9) NEW YORK STATE AND LOCAL REGULATIONS AND ORDINANCES
- (10) NEW YORK STATE AND LOCAL REGULATIONS AND ORDINANCES

OWNER:

DATE:

SCALE:

BY:

CHECKED BY:

1. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES, AUTHORITIES, REGULATIONS, AND ORDINANCES, AND SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSURANCE WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.

2. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAYING, CURBS, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.

3. THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, ROCKS AND OTHER WASTE PROPERTY, PREPARED SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.

4. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.

5. THE CONTRACTOR SHALL NOTIFY THE PROJECT OWNERS AND ARCHITECT/ENGINEER OF ANY DISCREPANCIES IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE LESSEE/CONSOLE REPRESENTATIVE.

6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.

7. ALL UNDERGROUND UTILITY INFORMATION WAS OBTAINED FROM THE CONTRACT DOCUMENTS AND EXISTING PLANS OR RECORDS. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY SITE WORK. CALL THE FOLLOWING FOR ALL PRE-CONSTRUCTION NOTIFICATION 72-HOURS PRIOR TO CALL BEFORE YOU DIG (CT): 1-800-922-4455

8. COORDINATE NEW ANTENNA, ANTENNA SUPPORT FRAME AND COAXIAL CABLE INSTALLATION WITH STRUCTURAL ANALYSIS REPORT. NO WORK SHALL BE PERFORMED ON THE STRUCTURE UNLESS THE STRUCTURAL ANALYSIS REPORT HAS BEEN MET.

9. NO CONCLUSIONS, EXPRESSED OR IMPLIED, SHALL BE MADE THAT ATLANTIS GROUP, INC. HAS MADE AN INVESTIGATION OF THE SITE OR THE ADJACENT AREA FOR HAZARDOUS MATERIALS OR POTENTIAL EARTHQUAKE DANGERS. ANY INFORMATION CONTRARY TO THAT ASSUMED FOR THE PURPOSE OF PREPARING THIS ANALYSIS COULD ALTER THE FINDINGS AND CONCLUSIONS AS STATED.

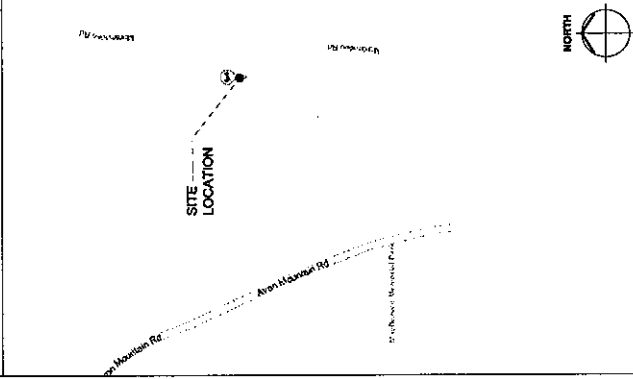
10. THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AND ASSEMBLE ALL NECESSARY PERSONNEL INVOLVED WITH THE PROJECT.

11. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEASUREMENTS, METHODS, TECHNIQUES, SEQUENCES AND SCHEDULING OF THE WORK UNDER THE CONTRACT.

GENERAL NOTES

- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES, AUTHORITIES, REGULATIONS, AND ORDINANCES, AND SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSURANCE WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.
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- THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
- THE CONTRACTOR SHALL NOTIFY THE PROJECT OWNERS AND ARCHITECT/ENGINEER OF ANY DISCREPANCIES IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE LESSEE/CONSOLE REPRESENTATIVE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.
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- NO CONCLUSIONS, EXPRESSED OR IMPLIED, SHALL BE MADE THAT ATLANTIS GROUP, INC. HAS MADE AN INVESTIGATION OF THE SITE OR THE ADJACENT AREA FOR HAZARDOUS MATERIALS OR POTENTIAL EARTHQUAKE DANGERS. ANY INFORMATION CONTRARY TO THAT ASSUMED FOR THE PURPOSE OF PREPARING THIS ANALYSIS COULD ALTER THE FINDINGS AND CONCLUSIONS AS STATED.
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VICINITY MAP



SHEET INDEX

SHT. NO.	DESCRIPTION
01	TITLE SHEET
02	COMPOUND PLAN & EQUIPMENT ROOM PLAN
04	ELEVATION
06	EQUIPMENT DETAILS
07	UTILITY PLAN
08	GROUNDING NOTES, RISERS AND DETAILS

SITE DIRECTIONS

FROM BLOOMFIELD OFFICE
HEAD SOUTHWEST ON GREEN RD S TOWARD W NEWBERRY RD.
GREEN RD S TURNS SLIGHTLY LEFT AND IS THE FIRST PARK
TURN RIGHT AT W NEWBERRY RD. TURN LEFT AT CT-189 STUNDS
TURN RIGHT AT WINTHURBY AVE. TURN LEFT AT CT-189 STUNDS
AVE. CONTINUE TO FOLLOW CT-189 S. TURN RIGHT AT DOTTAGE
GROVE RD CT-318 W CONTINUE TO FOLLOW CT-416 W. TURN RIGHT
AT ALBANY AVE CT-44 W CONTINUE TO FOLLOW US-44 W. TURN
RIGHT AT MONTEVIDEO RD. DESTINATION WILL BE ON THE LEFT. 81
MONTVIDE RD AVON, CT 06001.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

PROJECT SUMMARY

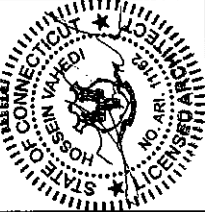
SITE NUMBER: CT11284A
SITE NAME: AVON TOWER
SITE ADDRESS: 81 MONTEVIDEO ROAD AVON, CT 06001
ASSESSOR'S PARCEL NO.: MAP: 015, LOT: 3180081
CO-LOCATION: MONTE LLC 40 WOODLAND STREET HARTFORD, CT 06105
PROPERTY OWNER: T-MOBILE NORTHEAST, LLC 1340 Centre Street, Suite 200 Avon, CT 06001
APPLICANT: LESSEES/CONSOLE, PROJECT OWNER
AE: ATLANTIS GROUP INC. 1240 CENTRE ST, SUITE 200 NEWTON CENTER, MA 02459 (617) 485-0789
PROJECT MANAGER: LISALIN NIEDERMEIER TRANSCEND WIRELESS, LLC 10 INDUSTRIAL AVE BAHAMON, NJ 07003 (201) 770-0088
ZONING REPRESENTATIVE: BROWN RUDNICK LLP THOMAS J REGAN CITY PLACE 1, 3RD FLOOR HARTFORD, CT 06103-0402 (860) 588-5500
POWER PROVIDER: CONNECTICUT LIGHT & POWER NORTHFIELD UTILITIES (860) 947-3200
TELECOM PROVIDER: AT&T BELL (203) 630-5688
CALL BEFORE YOU DIG: (800) 922-4455

CODE REFERENCES

CONNECTICUT STATE BUILDING CODE
2003 INTERNATIONAL BUILDING CODE
2003 INTERNATIONAL MECHANICAL CODE
2003 INTERNATIONAL EXISTING BUILDING CODE
2005 CONNECTICUT SUPPLEMENT
2005 NATIONAL ELECTRICAL CODE
CONNECTICUT STATE FIRE SAFETY CODE
2003 INTERNATIONAL FIRE CODE

TRANSCEND WIRELESS, LLC
1340 CENTRE STREET, SUITE 200
AVON, CT 06001
PHONE: (817) 485-0789
FACSIMILE: (817) 485-0789

ATLANTIS GROUP
1340 CENTRE STREET, SUITE 200
AVON, CT 06001
PHONE: (817) 485-0789
FACSIMILE: (817) 485-0789



APPROVALS
LANDING: _____
LEASING: _____
R.F.: _____
ZONING: _____
CONSTRUCTION: _____
A/E: _____
DRAWN BY: OC
CHECKED BY: SK

SUBMITTALS
A (2/27/10) ISSUED FOR REVIEW
D (2/27/10) REVISED PER COMMENTS

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CT11284A
AVON TOWER
81 MONTEVIDEO ROAD
AVON, CT 06001

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
01



APPROVALS

LANDLORD _____
 LEASING _____
 ZONING _____
 R.F. _____
 CONSTRUCTION _____
 A/E _____

DRAWN BY: GC
 CHECKED BY: SM

SUBMITTALS

A [04/07/10] ISSUED FOR REVIEW
 B [04/22/10] REVISED PER COMMENTS
 C [04/22/10] REVISED PER COMMENTS

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CTI1284A
AVON TOWER
 81 MONTEVIDEO ROAD
 AVON, CT 06001

SHEET TITLE:
PLOT PLAN

SHEET NUMBER:
02

ABBREVIATIONS

UN UTILITY BOX
 UNB UNBULB OTHERWISE NOTED
 WFB WELDED WIRE FENCING
 B WITH
 EQ EQUIPMENT
 EQC EQUIPMENT CONTRACT
 EXC EXTERIOR
 EXF EXTERIOR FLOOR
 EXR EXTERIOR ROOF
 GA GAUGE
 GE GENERAL CONTRACTOR
 GC GENERAL CONTRACTOR
 GO GENERAL CONTRACTOR
 GROUNDING
 L2 LEAD
 L3 LEAD
 M1 METAL
 M2 METAL
 M3 METAL
 M4 METAL
 M5 METAL
 M6 METAL
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SYMBOLS AND MATERIALS

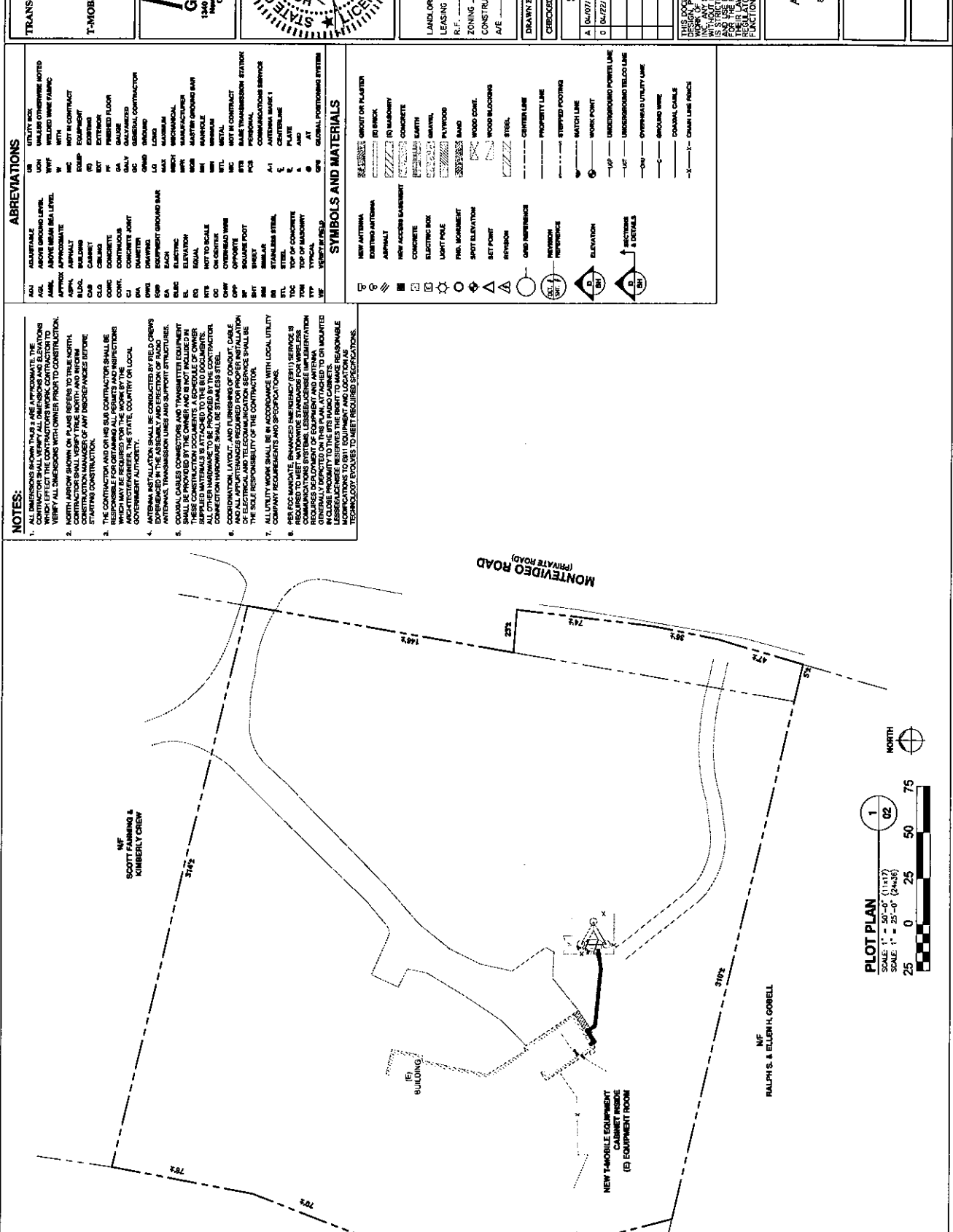
NEW ANTENNA
 EXISTING ANTENNA
 ASPHALT
 CONCRETE
 ELECTRIC BOX
 LIGHT POLE
 PUG. MONUMENT
 SET POINT
 REVISED
 CABLE NETWORKS
 NEW ANTENNA
 EXISTING ANTENNA
 ASPHALT
 CONCRETE
 ELECTRIC BOX
 LIGHT POLE
 PUG. MONUMENT
 SET POINT
 REVISED
 CABLE NETWORKS

NOTES:

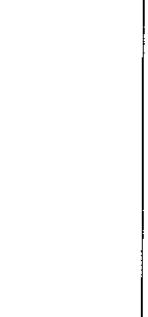
1. ALL DIMENSIONS SHOWN THEREIN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS AND SHALL BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY UPON DISCOVERY.

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PLOT PLAN
 SCALE: 1" = 50'-0" (1:517)
 SCALE: 1/8" = 25'-0" (1:216)

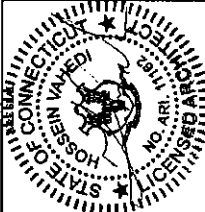


AVON LAND TRUST
 SCOTT FARMING & HUBBARDLY CHRY
 MONTVIDEO ROAD (PRIVATE ROAD)
 RALPH S. & ELLEN H. CORNELL

TRANSCEND WIRELESS, LLC
 10 INDUSTRIAL WAY
 OFFICE BUILDING
 PALM BEACH, FL 33480
 561-833-8888

T-MOBILE NORTHEAST, LLC
 31 OXFORD ROAD SUITE 200
 OXFORD, MA 01887
 508-548-1100
 FAX: 508-548-1100

ATLANTIS GROUP
 1340 Centre Street Suite 200
 North Attleboro, MA 01960
 Tel: 508-847-7400
 Fax: 508-847-7400



APPROVALS

LANDLORD _____
 LEASING _____
 R.F. _____
 ZONING _____
 CONSTRUCTION _____
 AVE _____

SUBMITTALS

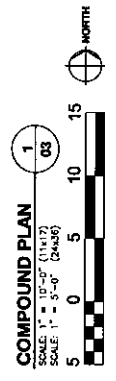
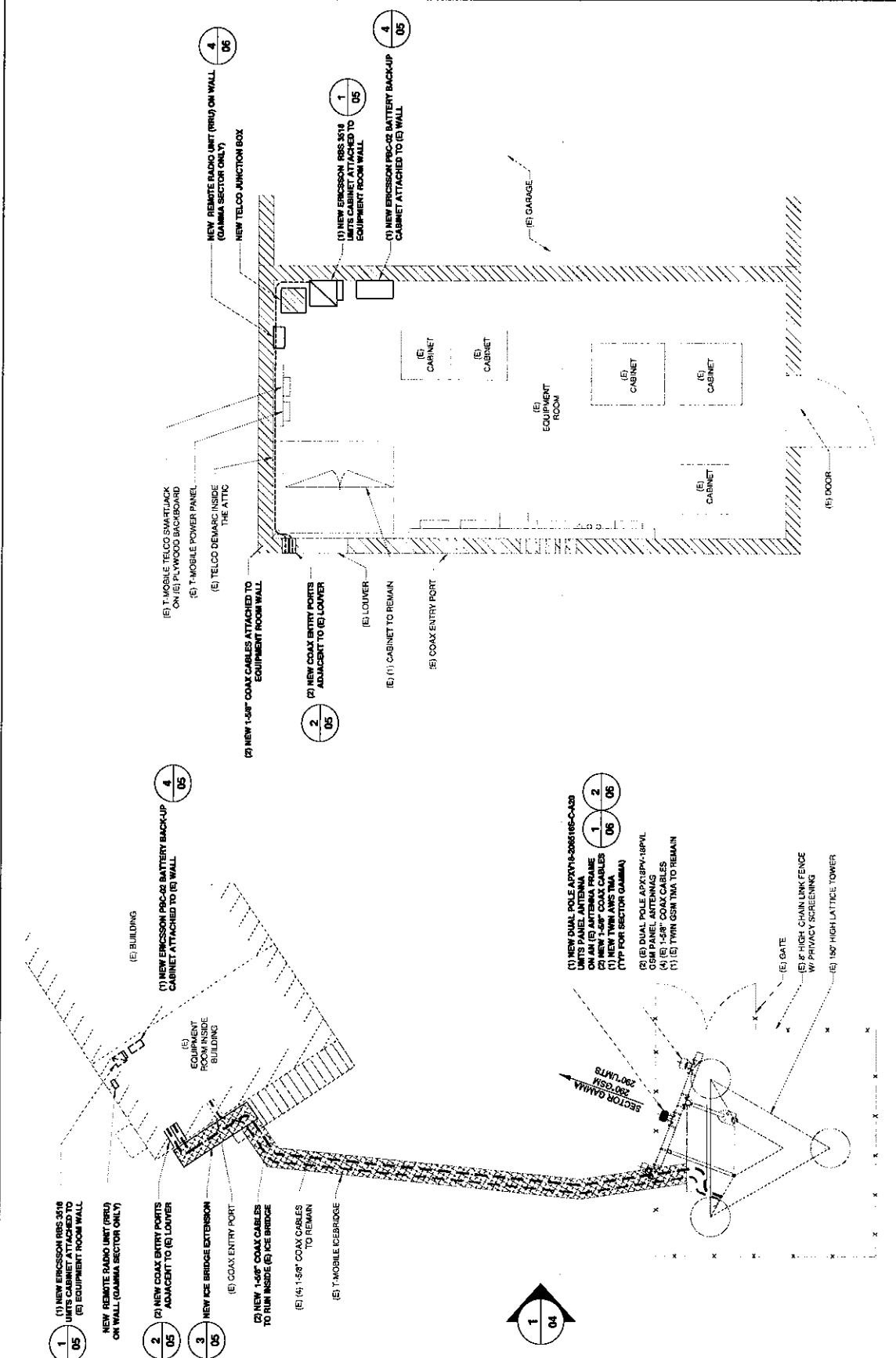
ISSUED BY: SM
 DATE: 04/27/10
 ISSUED FOR REVIEW
 DATE: 04/22/10
 REVISED PER COMMENTS

THIS DOCUMENT IS THE CREATION OF TRANSCEND WIRELESS, LLC. ANY REUSE OR REPRODUCTION OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF TRANSCEND WIRELESS, LLC IS STRICTLY PROHIBITED. THIS DOCUMENT IS NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF TRANSCEND WIRELESS, LLC. TRANSCEND WIRELESS, LLC IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY APPEAR HEREIN. TRANSCEND WIRELESS, LLC IS NOT A PROFESSIONAL ENGINEER OR ARCHITECT. TRANSCEND WIRELESS, LLC IS NOT PROVIDING ANY PROFESSIONAL SERVICES. TRANSCEND WIRELESS, LLC IS NOT PROVIDING ANY CONSULTING SERVICES. TRANSCEND WIRELESS, LLC IS NOT PROVIDING ANY DESIGN SERVICES. TRANSCEND WIRELESS, LLC IS NOT PROVIDING ANY CONSTRUCTION SERVICES. TRANSCEND WIRELESS, LLC IS NOT PROVIDING ANY MAINTENANCE SERVICES. TRANSCEND WIRELESS, LLC IS NOT PROVIDING ANY OPERATIONAL SERVICES. TRANSCEND WIRELESS, LLC IS NOT PROVIDING ANY SUPPORT SERVICES. TRANSCEND WIRELESS, LLC IS NOT PROVIDING ANY TRAINING SERVICES. TRANSCEND WIRELESS, LLC IS NOT PROVIDING ANY OTHER SERVICES.

CT11284A
 AVON TOWER
 81 MONTVEDIO ROAD
 AVON, CT 06001

COMPOUND PLAN & EQUIPMENT ROOM PLAN

SHEET TITLE:
 SHEET NUMBER: **03**



COMPOUND PLAN
 SCALE: 1" = 10'-0" (1:125)
 SCALE: 1" = 5'-0" (24:36)

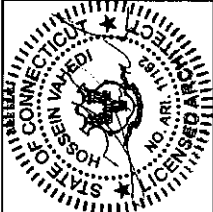
EQUIPMENT ROOM PLAN
 SCALE: 1" = 2'-0" (24:36)

ANTENNA AZIMUTHS:
 SECTOR GAMMA: 280°

TRANSCEND WIRELESS, LLC
 10 HARTFORD AVENUE
 OFFICE (860) 486-9191
 FACSIMILE (860) 486-9191

FOR
T-MOBILE, NORTHEAST, LLC
 31 EASTERN BLVD SOUTH
 HARTFORD, CT 06103
 OFFICE (860) 486-9191
 FACSIMILE (860) 486-9191

ATLANTIS GROUP
 1340 Centre Street Suite 203
 Newbury Center, MA 02459
 OFFICE (978) 483-4032
 FACSIMILE (978) 483-4032



APPROVALS

LANDLORD _____
 LEASING _____
 R.F. _____
 ZONING _____
 CONSTRUCTION _____
 A/E _____

DRAWN BY: GC
 CHECKED BY: SM

SUBMITTALS

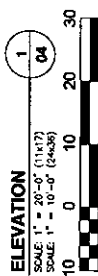
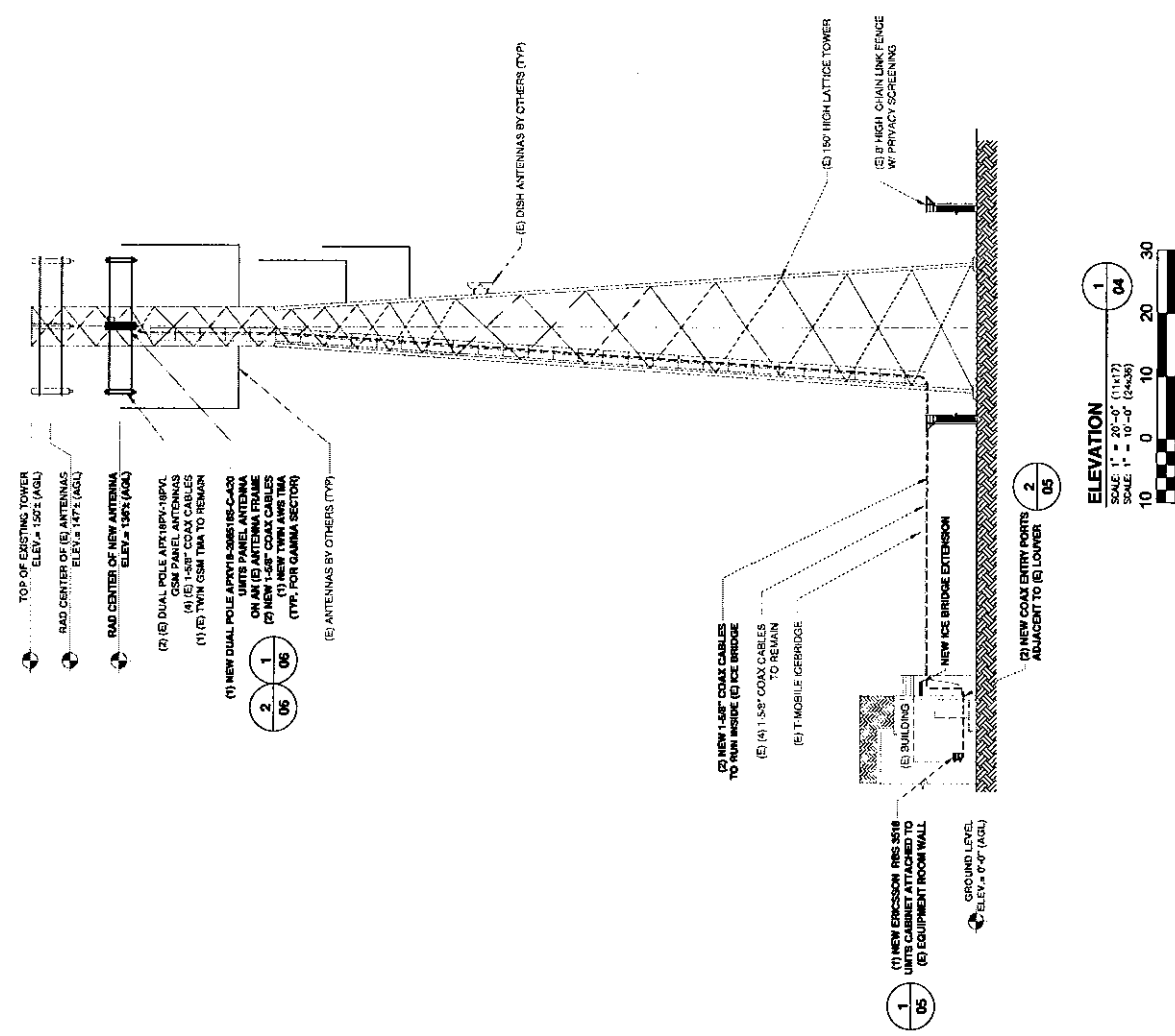
A	04/07/10	ISSUED FOR REVIEW
B	04/22/10	REVISED PER COMMENTS
C		
D		
E		

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CT11284A
AVON TOWER
 81 MONTEVIDEO ROAD
 AVON, CT 06001

SHEET TITLE:
ELEVATION

SHEET NUMBER:
04



TRANSCEND WIRELESS, LLC
 1500 W. MAIN STREET
 SUITE 200
 WESTPORT, MA 01886
 OFFICE: 978-352-1111
 FAX: 978-352-1112

ATLANTIS GROUP
 1340 Centre Street, Suite 200
 Westport, MA 01886
 OFFICE: 978-352-0789
 FAX: 978-352-0788



APPROVALS
 LANDLORD _____
 LEASING _____
 R.F. _____
 ZONING _____
 CONSTRUCTION _____
 A/E _____
 DRAWN BY: _____
 CHECKED BY: _____
 SUBMITTALS
 1 (04/07/10) ISSUED FOR REVIEW
 2 (04/22/10) REVISED PER COMMENTS

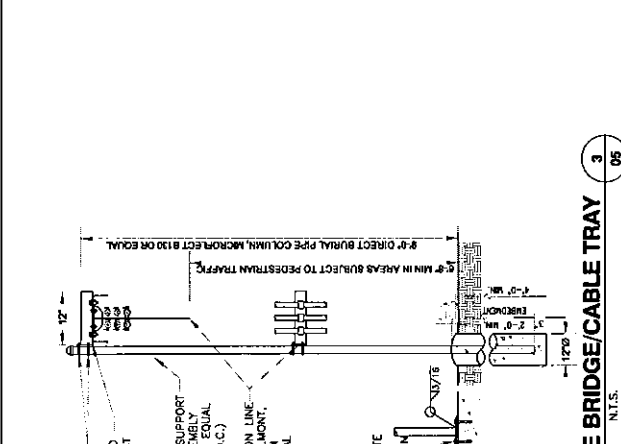
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CT111284A
AVON TOWER
 81 MONTFORD ROAD
 AVON, CT 06001

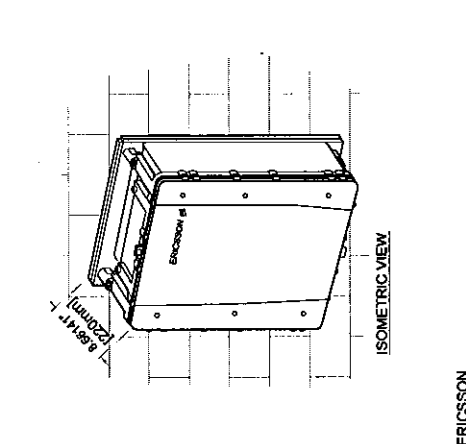
SHEET TITLE:
EQUIPMENT DETAILS

SHEET NUMBER
05

- STRUCTURAL NOTES:**
1. DESIGN REQUIREMENTS ARE PER STATE BUILDING CODES AND APPLICABLE STANDARDS FOR STEEL, WELDING, AND ANCHORAGE. REFER TO THE CONTRACT FOR ALL APPLICABLE STANDARDS FOR STEEL, WELDING, AND ANCHORAGE.
 2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ARCHITECT IMMEDIATELY IN WRITING OF ANY DISCREPANCIES. ALL DIMENSIONS SHALL BE REPORTED TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.
 3. DESIGN AND CONSTRUCTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE AISC STEEL CONSTRUCTION MANUAL, 13TH EDITION, AND THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
 4. STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE A36 STEEL UNLESS OTHERWISE INDICATED.
 5. STEEL SHALL BE GALVANIZED TO ASTM A653 TYPE 35, GRADE 55, WITH A MINIMUM COATING WEIGHT OF 0.90 OZ./SQ. FT. (0.0275 LB./SQ. FT.) UNLESS OTHERWISE INDICATED.
 6. STRUCTURAL CONNECTIONS SHALL BE HIGH STRENGTH BOLTS PER AISC 308, TYPE 308, GRADE 5, OR ASTM A325, GRADE 5, UNLESS OTHERWISE INDICATED. ALL BOLTS SHALL BE GALVANIZED TO ASTM A653 TYPE 35, GRADE 55, WITH A MINIMUM COATING WEIGHT OF 0.90 OZ./SQ. FT. (0.0275 LB./SQ. FT.) UNLESS OTHERWISE INDICATED.
 7. ALL STEEL MATERIAL SHALL BE GALVANIZED AFTER FABRICATION AND BEFORE DELIVERY TO THE PROJECT. GALVANIZED COATING ON IRON AND STEEL SHALL BE IN ACCORDANCE WITH ASTM A653 TYPE 35, GRADE 55, WITH A MINIMUM COATING WEIGHT OF 0.90 OZ./SQ. FT. (0.0275 LB./SQ. FT.) UNLESS OTHERWISE INDICATED.
 8. ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A653 TYPE 35, GRADE 55, WITH A MINIMUM COATING WEIGHT OF 0.90 OZ./SQ. FT. (0.0275 LB./SQ. FT.) UNLESS OTHERWISE INDICATED.
 9. WELD METAL SHALL BE IN ACCORDANCE WITH AISC 308, TYPE 308, GRADE 5, UNLESS OTHERWISE INDICATED. ALL WELDS SHALL BE FULL PENETRATION WELDS UNLESS OTHERWISE INDICATED. WELDS SHALL BE GALVANIZED AFTER FABRICATION AND BEFORE DELIVERY TO THE PROJECT. GALVANIZED COATING ON WELD METAL SHALL BE IN ACCORDANCE WITH ASTM A653 TYPE 35, GRADE 55, WITH A MINIMUM COATING WEIGHT OF 0.90 OZ./SQ. FT. (0.0275 LB./SQ. FT.) UNLESS OTHERWISE INDICATED.
 10. CONTRACTOR SHALL COMPLY WITH ALL CODES FOR PROTECTION, APPEARANCE AND QUALITY OF WELDS. WELDS SHALL BE GALVANIZED AFTER FABRICATION AND BEFORE DELIVERY TO THE PROJECT. GALVANIZED COATING ON WELD METAL SHALL BE IN ACCORDANCE WITH ASTM A653 TYPE 35, GRADE 55, WITH A MINIMUM COATING WEIGHT OF 0.90 OZ./SQ. FT. (0.0275 LB./SQ. FT.) UNLESS OTHERWISE INDICATED.
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 19. CONTRACTOR SHALL COMPLY WITH ALL CODES FOR PROTECTION, APPEARANCE AND QUALITY OF WELDS. WELDS SHALL BE GALVANIZED AFTER FABRICATION AND BEFORE DELIVERY TO THE PROJECT. GALVANIZED COATING ON WELD METAL SHALL BE IN ACCORDANCE WITH ASTM A653 TYPE 35, GRADE 55, WITH A MINIMUM COATING WEIGHT OF 0.90 OZ./SQ. FT. (0.0275 LB./SQ. FT.) UNLESS OTHERWISE INDICATED.
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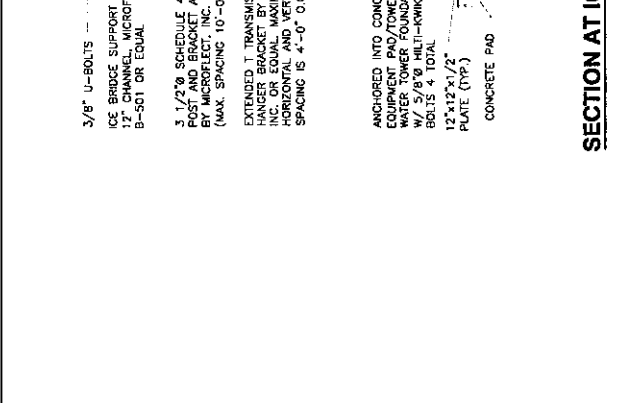


SECTION AT ICE BRIDGE/CABLE TRAY 3 05
 N.T.S.

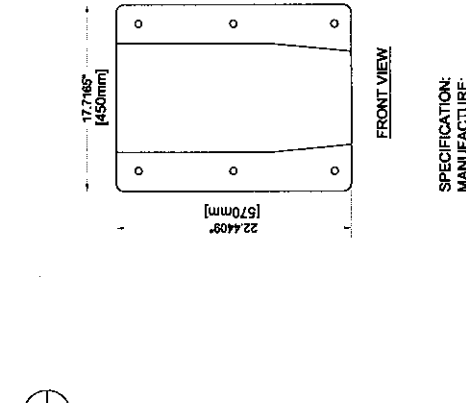


ERICSSON PBC-02 BATTERY BACK-UP DETAIL 4 05
 N.T.S.

SPECIFICATION:
 MANUFACTURE: ERICSSON
 MODEL NO.: PBC-02 MU
 DIMENSIONS (WxDxH mm): 450x220x570
 MAX. WEIGHT: 54 kg (INCL. BATTERY)



ERICSSON RBS 3518 EQUIPMENT DETAIL 1 05
 N.T.S.



COAX ENTRY PORT DETAIL 2 05
 N.T.S.

FEED-THRU ENTRY PANEL SIZE CHART

TRANSCEND WIRELESS, LLC
 1000 WASHINGTON AVENUE
 OFFICE BUILDING
 FLOOR 1000
 WASHINGTON, DC 20001

T-MOBILE NORTHEAST, LLC
 3000 WASHINGTON AVENUE
 OFFICE BUILDING
 FLOOR 1000
 WASHINGTON, DC 20001

ATLANTIS GROUP
 1340 Centre Street, Suite 200
 Hartford, CT 06105
 OFFICE: 877-462-0788
 FAX: 877-462-0822



APPROVALS

LANDLORD _____
 LEASING _____
 R.F. _____
 ZONING _____
 CONSTRUCTION _____
 A/E _____

DRAWN BY: GC
 CHECKED BY: SM

SUBMITTALS

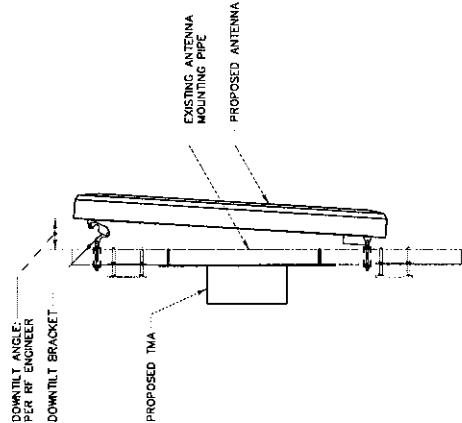
A	04/07/10	ISSUED FOR REVIEW
D	04/22/10	REVISED PER COMMENTS

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CT11284A
AVON TOWER
 81 MONTEVEDIO ROAD
 AVON, CT 06001

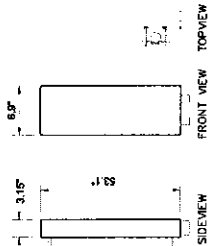
SHEET TITLE:
ANTENNA DETAILS

SHEET NUMBER
06



MOUNTING ASSEMBLY
(ALL ANTENNAS)

1
 N.T.S.
 06

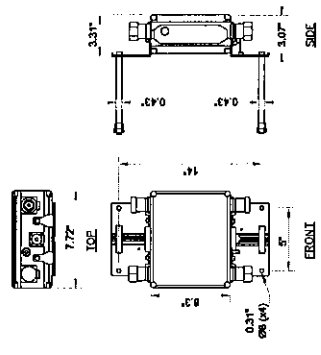


MANUFACTURE:
 MODEL NO.
 DIMENSIONS - HXWXD. (IN) 5.1x4.6x3.15

RFS:
 APXY18-2085165-C-420

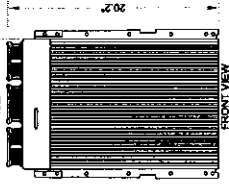
DUAL POLE ANTENNA DETAIL

2
 N.T.S.
 06



TWIN TMA DETAIL

3
 N.T.S.
 06

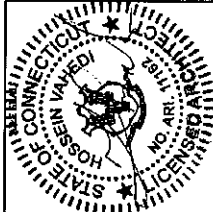


RRU 22 XX40 DETAIL

4
 N.T.S.
 06

TRANSCEND WIRELESS, LLC
 16 INDUSTRIAL AVE
 WILMINGTON, MA 01897
 OFFICE: (978) 661-8925
 FAX: (978) 661-8926

T-MOBILE NORTHEAST, LLC
 PO BOX
 35 GAZARD ROAD SUITE
 1100 NORTH BAY
 NEWTON CENTER, MA 02459
 OFFICE: (617) 552-8202



APPROVALS
 LANDLORD _____
 LEASING _____
 R.F. _____
 ZONING _____
 CONSTRUCTION _____
 A/E _____

DRAWN BY: GC
 CHECKED BY: SM

SUBMITTALS

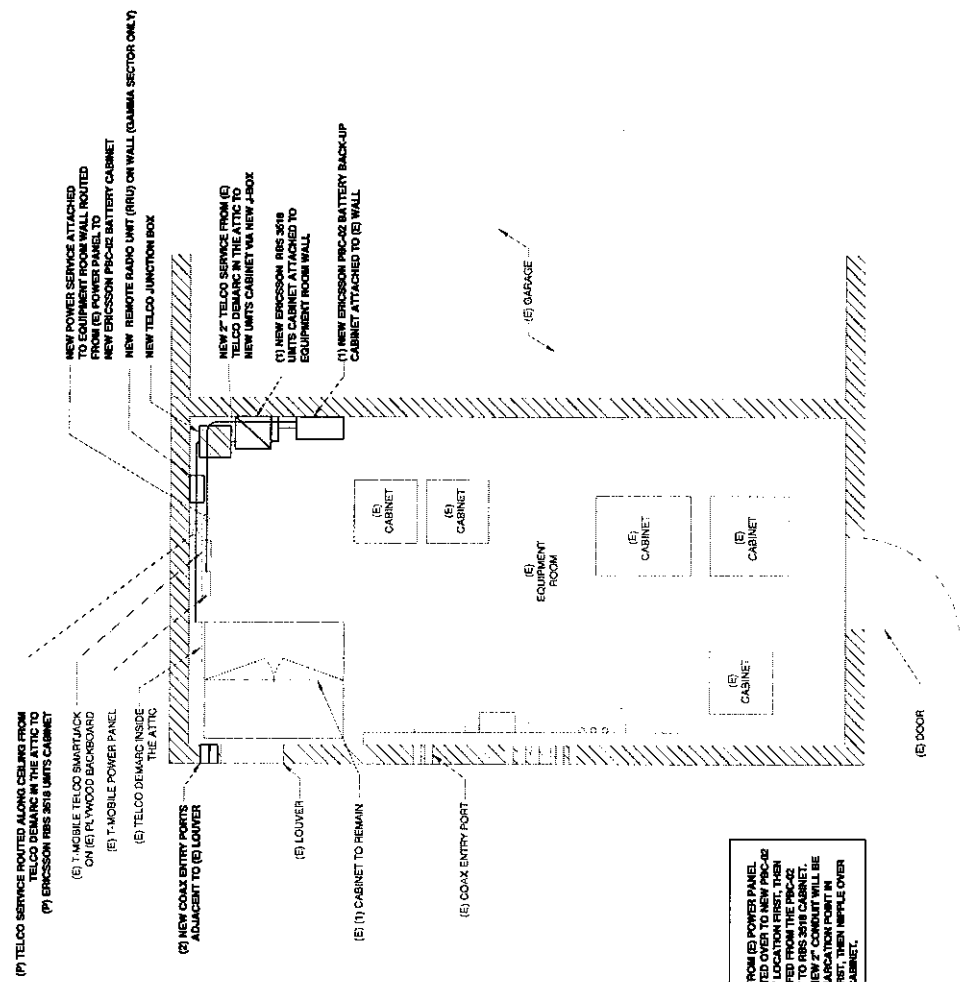
A	04/07/10	ISSUED FOR REVIEW
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CT11284A
 AVON TOWER
 81 MONTEVIDEO ROAD
 AVON, CT 06001

SHEET TITLE:
 UTILITY PLAN

SHEET NUMBER:
 07



(P) TELCO SERVICE ROUTED ALONG CEILING FROM TELCO DEMARC IN THE ATTIC TO (P) ERICSSON RBS 3518 UNITS CABINET
 (E) T-MOBILE TELCO SWITCHBACK ON (E) PL WOOD BACKBOARD
 (E) T-MOBILE POWER PANEL
 (E) TELCO DEMARC INSIDE THE ATTIC
 (C) NEW COAX ENTRY PORTS ADJACENT TO (E) LOUVER
 (E) LOUVER
 (E) (1) CABINET TO REMAIN
 (E) COAX ENTRY PORT

NEW POWER SERVICE ATTACHED TO EQUIPMENT ROOM WALL ROUTED FROM (E) POWER PANEL TO NEW ERICSSON PRC-42 BATTERY CABINET
 NEW REMOTE RADIO UNIT (RRU) ON WALL (GAMMA SECTOR ONLY)
 NEW TELCO JUNCTION BOX
 NEW 7' TELCO SERVICE FROM (E) ERICSSON RBS 3518 UNITS CABINET VIA NEW J-BOX
 (C) NEW ERICSSON RBS 3518 UNITS CABINET ATTACHED TO EQUIPMENT ROOM WALL
 (1) NEW ERICSSON PRC-42 BATTERY BACKUP CABINET ATTACHED TO (E) WALL

NOTE:
 POWER CONDUIT FROM (E) POWER PANEL TO BATTERY CABINET LOCATION FIRST, THEN CABLE TRAY TO BATTERY CABINET. TELCO CABLE TRAY WILL BE FED FROM THE PRC-42 BATTERY CABINET TO RBS 3518 CABINET. TELCO CONDUIT: NEW 7' CONDUIT WILL BE INSTALLED FROM COAX ENTRY PORT IN ATTIC TO J-BOX FIRST, THEN HOLE OVER TO THE RBS 3518 CABINET.

1 / 07
 UTILITY LAYOUT EQUIPMENT ROOM
 SCALE: 1" = 4'-0" (1:48)
 SCALE: 1" = 2'-0" (1:24)
 2 0 2 4 6

April 22, 2010

Mr. Hans Fiedler
T-Mobile USA
35 Griffin Road South
Bloomfield, CT 06002



RE: T-Mobile – CT11284A – Avon Tower
81 Montevideo Road, Avon, CT

Dear Mr. Fiedler:

We have completed the structural assessment of the subject tower and **have found it to be adequate within the scope of this analysis to support the proposed antenna loading.** This assessment is based on the Valmont tower drawings dated November 30, 2007, the lease exhibit dated March 1, 2010, and the existing antenna loading sheet dated September 22, 2008. Proposed antenna loading is per comments by JPT dated April 21, 2010.

The tower is a 150' Valmont self-supporting tower. From 0' to 90' the tower members consist of truss legs with bolted angle bracing. Above 90' the tower members consist of solid rod legs with welded solid rod bracing. Tower face dimensions range from 5'-0" at the top to 14'-0" at the base. Foundation capacities were predicated on supplied as-built details.

T-Mobile proposes to add (1) APXV18-206516S-C-A20 dual pole UMTS antenna, (1) Twin AWS TMA, (2) 1-5/8" coax @ 136' on an existing antenna frame. Proposed feed lines are to be added next to the existing T-Mobile feed lines. No reserved loading was considered in this assessment.

Our assessment of this tower is that it is acceptably loaded. The wind area added to the tower is minimal. The design loading is greater than the loading with the proposed antenna.

No conclusions, expressed or implied, shall indicate that Armor Tower has made an evaluation of the original design, materials, fabrication, or potential erection deficiencies. Any information contrary to that assumed for the purpose of preparing this analysis could alter the findings and conclusions stated.

We appreciate the opportunity to provide our services to Atlantis Group and T-Mobile. If you have any questions concerning this assessment, please contact us.

Sincerely,

Jeff Triezenberg, P.E.
ARMOR TOWER, INC.

Connecticut Market



Worst Case Power Density

Site: CT11284A
Site Address: 81 Montevideo Road
Town: Avon
Tower Height: 140 ft.
Tower Style: Guyed Tower

GSM Data		UMTS Data	
Base Station TX output	20 W	Base Station TX output	40 W
Number of channels	8	Number of channels	2
Antenna Model	APXV18-206516L	Antenna Model	APXV18-206516L
Cable Size	1 5/8	Cable Size	1 5/8
Cable Length	106.0 ft	Cable Length	106.0 ft
Antenna Height	140.0 ft	Antenna Height	140.0 ft
Ground Reflection	1.6	Ground Reflection	1.6
Frequency	1945.0 MHz	Frequency	2.1 GHz
Jumper & Connector loss	4.50 dB	Jumper & Connector loss	1.50 dB
Antenna Gain	17.6 dBi	Antenna Gain	17.6 dBi
Cable Loss per foot	0.0116 dB	Cable Loss per foot	0.0116 dB
Total Cable Loss	1.8560 dB	Total Cable Loss	1.8560 dB
Total Attenuation	6.3560 dB	Total Attenuation	3.3560 dB
Total EIRP per Channel (In Watts)	54.25 dBm 266.34 W	Total EIRP per Channel (In Watts)	60.26 dBm 1062.82 W
Total EIRP per Sector (In Watts)	63.29 dBm 2130.69 W	Total EIRP per Sector (In Watts)	63.27 dBm 2125.64 W
nsg	11.2440	nsg	14.2440
Power Density (S) = 0.027660 mW/cm ²		Power Density (S) = 0.027595 mW/cm ²	
T-Mobile Worst Case % MPE =		5.5255%	
Equation Used: $S = \frac{(1000 (grf))^2 (Power)^{10^{(nsg/10)}}}{4 \pi (R)^2}$			
Office of Engineering and Technology (OET) Bulletin 65, Edition 97-01, August 1997			

Co-Location Total	
Carrier	% of Standard
Verizon	
Cingular	
Sprint	3.9500 %
AT&T Wireless	
Pocket	
MetroPCS	
Nextel	
Other Antenna Systems	
Total Excluding T-Mobile	3.9500 %
T-Mobile	5.5255
Total % MPE for Site	9.4755%

Last updated	Town	Address	Latitude	Longitude	User	Owner	Twr Type
05/07/10	Avon	81 Montevideo Road	41-48-11	72-48-04.75	T-Mobile	Message Center Mgmt	ssl
	Avon	81 Montevideo Road	41-48-11	72-48-04.75	Sprint	Message Center Mgmt	ssl
	Avon	81 Montevideo Road	41-48-11	72-48-04.75	Verizon	Message Center Mgmt	ssl

Ant Height	Twr Height	Elev.	Antennas	Equip. Bldg.
147.00	150.00	747	3 panel antennas	bldg
86.00	150.00	747	panel antenna	bldg
	150.00	747		

Comments	Action Date
various users at various heights; replace existing guyed lattice with new self-supporting lattice tower	10/16/07
various users at various heights; replace existing guyed lattice with new self-supporting lattice tower	10/16/07
replace diesel generator with propane generator	01/12/10

THOMAS J. REGAN
Direct Dial: (860) 509-6522
tregan@brownrudnick.com

CityPlace I
185 Asylum
Street
Hartford
Connecticut
06103
tel 860.509.6500
fax 860.509.6501

Via Hand Delivery

June 11, 2010

ORIGINAL

RECEIVED
JUN 11 2010

CONNECTICUT
SITING COUNCIL

Daniel F. Caruso, Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RE: T-Mobile USA, Inc. – Notice of Exempt Modification

Dear Mr. Caruso:

On behalf of T-Mobile USA, Inc., enclosed for filing you will find an original and five (5) copies of a "Notice of Exempt Modification" regarding a site located at 81 Montevideo Road, Avon. The \$625.00 filing fee is also enclosed.

I would appreciate it if you could please date stamp the copy of this transmittal letter and return it to the courier delivering this package.

If you have any questions, please feel free to contact me.

Very truly yours,

BROWN RUDNICK LLP

By: _____
Thomas J. Regan

Enclosures

cc/encl: Mark W. Zacchio, Chairman Avon Town Council

40274052 v1 - REGANTJ - 025064/0016

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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

June 14, 2010

The Honorable Mark W. Zacchio
Chairman Town Council
Town of Avon
60 West Main Street
Avon, CT 06001-3743

RE: **EM-T-MOBILE-004-100611** – Omnipoint Communications, as subsidiary of T-Mobile USA, Inc. notice of intent to modify an existing telecommunications facility located 81 Montevideo Road, Avon, Connecticut.

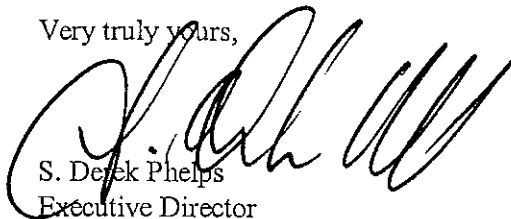
Dear Chairman Town Council Zacchio:

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 June 28, 2010.

Thank you for your cooperation and consideration.

Very truly yours,



S. Derek Phelps
Executive Director

SDP/jbw

Enclosure: Notice of Intent

c: Brandon Robertson, Town Manager, Town of Avon
Steven V. Kushner, Town Planner, Town of Avon