



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
Fax: (860) 827-2950

March 12, 2002

Christopher B. Fisher, Esq.
Cuddy & Feder & Worby LLP
90 Maple Avenue
White Plains, NY 10601-5196

RE: **EM-AT&T-015-034-083-084-097-103-107-135-167-020131** - AT&T Wireless notice of intent to modify existing telecommunications facilities located in Bridgeport, Connecticut.

Dear Attorney Fisher:

At a public meeting held on March 7, 2002, the Connecticut Siting Council (Council) acknowledged your notice to 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 notices dated January 29, 2002, and March 4, 2002. 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. 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,


Mortimer A. Gelston
Chairman

MAG/RM/laf

Enclosure

c: Honorable Joseph P. Ganim, Mayor, City of Bridgeport
Honorable Michael P. Nidoh, City Planner, City of Bridgeport
Melanie J. Howlett, Assistant City Attorney, City of Bridgeport

CUDDY & FEDER & WORBY LLP

**90 MAPLE AVENUE
WHITE PLAINS, NEW YORK 10601-5196**

**(914) 761-1300
TELECOPIER (914) 761-5372/6405
www.cfwlaw.com**

**500 FIFTH AVENUE
NEW YORK, NEW YORK 10110
(212) 944-2841
TELECOPIER (212) 944-2843**

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**Of Counsel
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ROBERT L. OSAR (also TX)
MARYANN M. PALERMO
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LOUIS R. TAFFERA**

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WAYNE E. HELLER (also CT)
KENNETH F. JURIST
MICHAEL L. KATZ (also NJ)
JOSHUA E. KIMERLING (also CT)
DANIEL F. LEARY (also CT)
BARRY E. LONG

March 4, 2002

VIA FEDERAL EXPRESS

Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051



Re: AT&T Wireless - EM-AT&T-015-034-083-097-103-107-135-167-020131
38 Kaechele Place, Bridgeport, Connecticut
Notice of Further Exempt Modification

Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

This letter and its enclosures are submitted in further support of AT&T's January "notice of further exempt modification" with respect to the above referenced facility. We are in receipt of a February 11, 2002 letter from Melanie Howlett, Esq., submitted on behalf of the City with respect to the above referenced matter and note that as a courtesy to the City, the Council tabled this matter at its February 14, 2002 meeting. We respectfully request that the Council consider this matter at its March 7, 2002 meeting and acknowledge AT&T's notice of further exempt modification based on the information contained in this letter which is simultaneously being provided to the City's representatives.

As fully set forth in AT&T's January notice, AT&T has an existing wireless facility at a tower in Bridgeport and has proposed to replace "in kind" three panel antennas and deploy additional telecommunications equipment in its existing on site shelter. AT&T's original filing in January contained an MPE report which, by field measurement, included power density information for all transmitters currently operating at the site including those of Cingular. As we

CUDDY & FEDER & WORBY LLP

March 4, 2002

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understand it, the City, is looking for information in another form regarding MPE's at the facility (specifically other carriers' calculated emissions some of which are not yet deployed at the site).

In November of 2001, the Council acknowledged an exempt modification by Spectrasite that involved this site (EM-Spectra-015-011005). It is our understanding that the Council acknowledged a new facility by Verizon and certain Cingular upgrades which have not yet been deployed by those carriers. Regardless, a copy of the MPE report that was filed with the Council by Spectrasite is enclosed for your and the City's convenience. Spectrasite's report, which included AT&T's "existing" facility, concluded that worst case cumulative MPE's at the site would be approximately 31% of the FCC's Uncontrolled Standard. In reaching that result, Spectrasite utilized input parameters in its calculations that were even more conservative than FCC's OET Bulletin 65. Indeed, Spectrasite concluded that AT&T's existing facility would contribute 4.2780% of total MPE at the site.

We know, however, that AT&T's existing facility together with its proposed configuration will only be .08% of the standard utilizing FCC OET Bulletin 65 worst case assumptions. See January 2, 2002 Report by WFI accompanying AT&T's notice of further exempt modification (also enclosed for the Council and City's convenience are copies of a "long form" report by WFI including the data produced by WFI in taking measurements at the site). Thus, Spectrasite's report, which included calculations of Verizon and Cingular's power density at the site, greatly overstated AT&T's actual contribution to MPE's at the site. Indeed, AT&T's existing and proposed configurations do not account for even 5% of the total MPE's at the site, such that detailed power density analyses are not required by the FCC. 47 CFR § 1.1307(b) (categorical exclusion). Nevertheless, AT&T performed such analysis for purposes of this Siting Council filing and the minor modifications associated therewith. Of note, the field measurements taken by WFI confirm that calculations are truly conservative (i.e. compare % of standards). Accordingly, and regardless of how it is calculated or measured, the site is in compliance with FCC Standards in its existing configuration, as approved for modification by Verizon and Cingular and as proposed to be further modified by AT&T.

CUDDY & FEDER & WORBY LLP

March 4, 2002

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Given all of the foregoing, AT&T Wireless respectfully submits that the proposed replacement antennas and addition of the equipment to the Kaechele Place Facility meets the Council's exemption criteria and requests an acknowledgment of same.

Respectfully Submitted,



Christopher B. Fisher, Esq.

On behalf of AT&T Wireless

cc: Robert Mercier, CSC
Melanie J. Howlett, Esq. (w/enc)
Darryl Hendrickson, Bechtel Telecommunications
Peter W. Van Wilgen, Springwich Cellular LP

SpectraSite Site # CT- 0048

AT&T Sec 1	1169.00000	3.6	8	Allgon	7184.14	142.0	100	0.0143	1.0000	1.4260
AT&T Sec 2	1169.00000	3.6	8	Allgon	7184.14	142.0	100	0.0143	1.0000	1.4260
AT&T Sec 3	1169.00000	3.6	8	Allgon	7184.14	142.0	100	0.0143	1.0000	1.4260
Total MPE all AT&T Antennas (existing)										4.2780
Verizon	880.00000		9			100.0	200	0.0647	0.5673	11.4100
* Calculations and Data as Provided by Verizon										11.4100
SNET Sec 1	880.00000	6.4	20	Swedcom	ALP9212	155.0	100	0.0299	0.5867	5.1013
SNET Sec 2	880.00000	6.4	20	Swedcom	ALP9212	155.0	100	0.0299	0.5867	5.1013
SNET Sec 3	880.00000	6.4	20	Swedcom	ALP9212	155.0	100	0.0299	0.5867	5.1013
Total MPE all SNET Antennas										15.3038
Total MPE of all Antennas Currently on Tower and Proposed for Tower as Percentage of FCC General Population/Uncontrolled Standard										30.9919

*Ground reflection factor of 1.6 fold for all calculations

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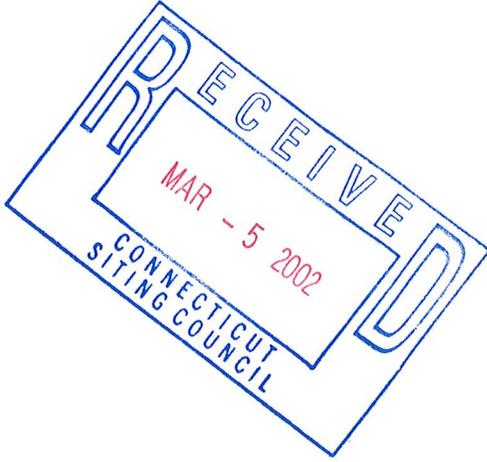
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1 Introduction

The analysis of site CT-088 has been performed to determine its compliance with the rules and guidelines that were established by the Federal Communications Commission (FCC) regarding Maximum Permissible Exposure (MPE). The evaluation of this site has been completed through the use of both predictive methods (using mathematical equations) and physical survey.

It should be noted that the site is categorically excluded as it meets the conditions specified in 47 CFR §1.1307(b) of the FCC's rules and regulations pertaining to broadband PCS non-building mounted antennas. However, since categorical exclusion does not preclude compliance, theoretical studies backed by field survey and measurements were taken to document site compliance.

The equations and modeling tools used for any predictions or pre-calculations assume a worst case scenario in all instances and a 100 % duty cycle for all the transmitters. Hence, the actual exposure at this site is likely to be much less than predicted herein.

The physical survey was carried out using a Narda 8718 EME survey meter and a shaped E-field isotropic probe. This instrument has a shaped probe that has been calibrated to measure power density in percent of the FCC standard. The physical survey also verified antenna locations so as to enable any recommendations to ensure site compliance with the FCC rules.

Appendix I provides a brief description of the specifications of the survey meter.

The fenced enclosure around the site is classified as a controlled area. Hence, access should be granted to authorized personnel only. An MPE and radiation level modeling software was used to predict the power density levels in the vicinity of the site. The results show that, assuming the worst case scenario wherein 16 radio channels and a maximum of 200 watts per channel, the maximum MPE levels close to the antennas of less than 5 % of the occupational/controlled limits are possible.

2 Site Description

Site CT-088 is a monopole measuring 152 feet at its highest point. There is one other carrier on this monopole in addition to AT&T wireless. There is a fenced enclosure around the monopole structure that houses the equipment of the carriers. The antenna centerline of AT&T is at a height of 140 feet. Figure 1 is a schematic diagram of this site showing the monopole, the antenna arrays and their orientations.

Figure 1. Schematic diagram of the monopole and antenna locations.

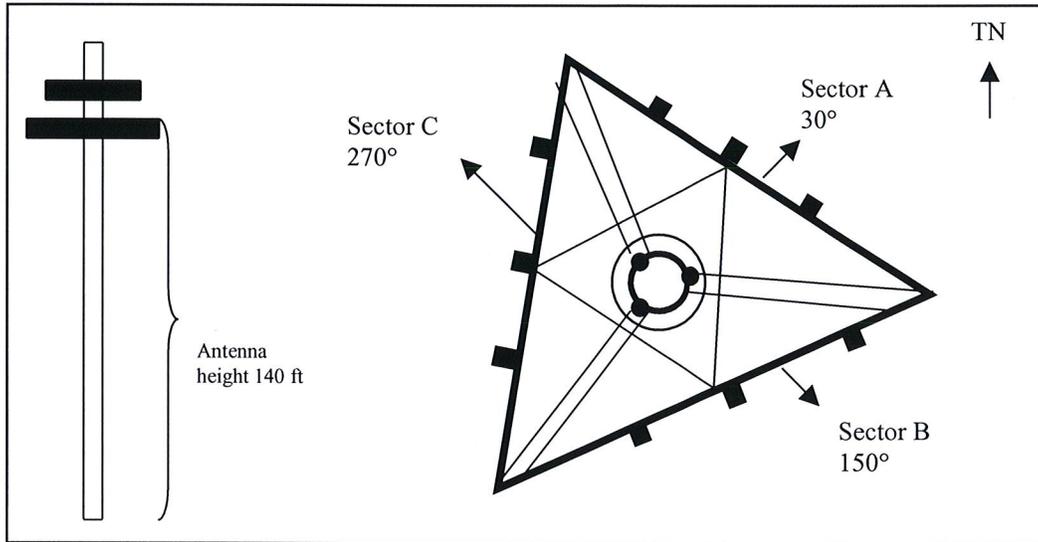


Table I summarizes the parameters of all the AT&T antennas located on this site.

Table 1. Summary of Antenna Parameters

Ant ID	Operator	Antenna type or model	Height above ground level (feet)	Azimuth (degrees)	Maximum ERP {worst case scenario} (Watts)
1	PCS (AT&T)	Allgon 7184.14	140	30	0
2	PCS (AT&T)	Allgon 7184.14	140	30	3200
3	PCS (AT&T)	Allgon 7184.14	140	30	0
4	PCS (AT&T)	Allgon 7184.14	140	150	0
5	PCS (AT&T)	Allgon 7184.14	140	150	3200
6	PCS (AT&T)	Allgon 7184.14	140	150	0
7	PCS (AT&T)	Allgon 7184.13	140	270	0
8	PCS (AT&T)	Allgon 7184.13	140	270	3200
9	PCS (AT&T)	Allgon 7184.13	140	270	0

The maximum number of radio channels assumed per sector is 16¹; each with a maximum ERP of 200 W. The maximum ERP is 3200 W per sector. Each of these antennas has an aperture length of 4.27 feet.



Figure 2. View of the Ox Hill monopole.

¹ It should be noted that AT&T is currently designing with 8 radio channels per sector. Hence the predicted values herein are conservative.

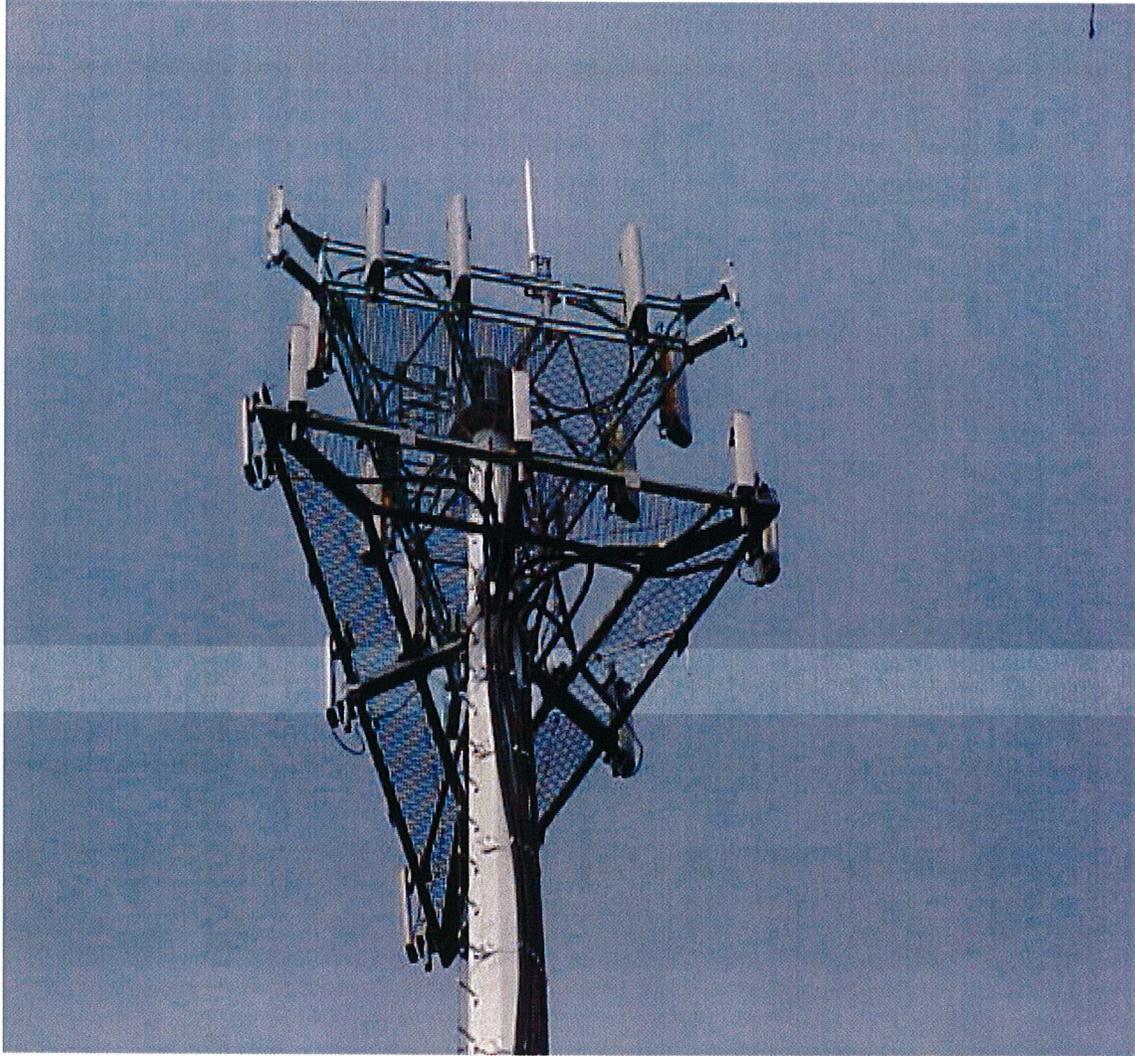


Figure 3. A closer look at the antenna arrays on the Ox Hill monopole.



Figure 4. View of the controlled area enclosure for the Ox Hill monopole.

3 Analysis

3.1 RF study objectives

The purpose of this study is to establish the electromagnetic emissions compliance for this site with respect to the FCC regulations detailed in 47 U.S.C. Section 332(c)(7)(B)(iv) for both the controlled and uncontrolled environments. In addition to analyzing the compliance for the existing AT&T installation, compliance for the upcoming configuration changes as part of the migration towards 3G have been evaluated and appropriate recommendations have been specified. All theoretical calculations have been backed by actual on site measurements wherever possible.

Site CT-088 is categorically excluded as it meets the conditions specified in 47 CFR §1.1307(b) of the FCC's rules and regulations pertaining to broadband PCS non-building mounted antennas (see table below). However, since categorical exclusion does not preclude compliance, theoretical studies backed by field survey and measurements were taken to document site compliance.

The table below depicts the categorical exclusion criteria as specified by 47 CFR §1.1307(b) of the FCC's rules and regulations.

SERVICE (TITLE 47 CFR RULE PART)	EVALUATION REQUIRED IF
Personal communication services (part 24)	Broadband PCS (Subpart E): <u>Non-building mounted antennas:</u> height above ground level to the lowest point of antenna < 10 m <u>and</u> total power of all channels >2000 W ERP.

It should be noted that AT&T is currently designing with 8 radios per sector. The predicted power densities in this report are therefore valid for a fully loaded sector only. However, should the predicted MPE levels be lower than the FCC's exposure limits, then an even greater safety margin is available at this site.

3.2 Measurements and Results for current configuration

CURRENT CONFIGURATION:

Table 2. Summary of existing site configuration

Operator	Antenna type or model
Site ID	CT-088
Site Name	Ox Hill
Latitude	41.22305
Longitude	-73.21694
Address of structure	38 Kaechele Place Bridgeport, CT
Type of structure	Monopole
Antenna structure owner	AT&T
Address of antenna owner	15 East Midland AVE Paramus, NJ 07652
FCC class and Type of service	PCS TDMA (IS-136)
Operating frequency	D, E bands (PCS)
Azimuths	30,150,270
Elevation (ft)	140
Antenna configuration	3 antenna per sector
Antenna manufacturer	Allgon
Antenna type	Panel

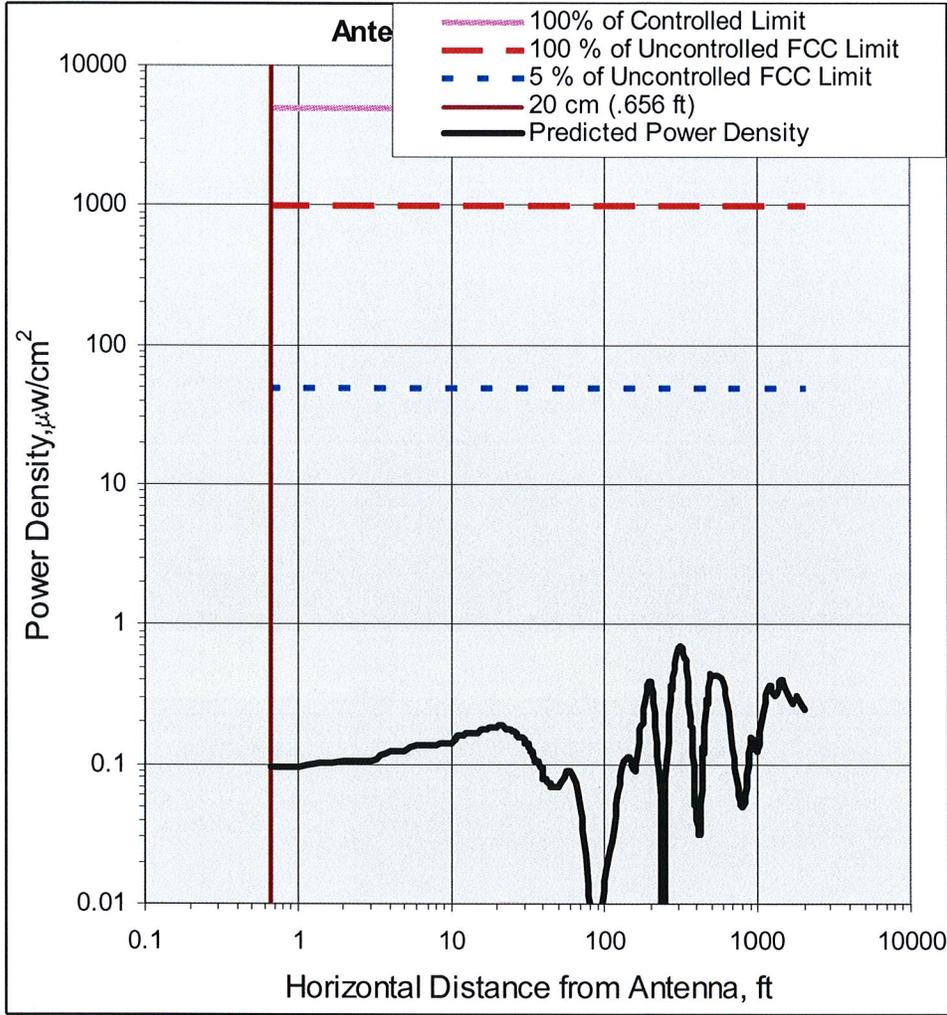
Table 2. Summary of antenna parameters

Ant ID	Operator	Antenna type or model	Antenna gain (dBd)	Actual number of channel	Maximum ERP per sector (Watts)	Maximum ERP {worst case scenario} (Watts)
1	PCS (AT&T)	Allgon 7184.14	14.5	0	0	0
2	PCS (AT&T)	Allgon 7184.14	14.5	8	916.6	3200
3	PCS (AT&T)	Allgon 7184.14	14.5	0	0	0
4	PCS (AT&T)	Allgon 7184.14	14.5	0	0	0
5	PCS (AT&T)	Allgon 7184.14	14.5	8	916.6	3200
6	PCS (AT&T)	Allgon 7184.14	14.5	0	0	0
7	PCS (AT&T)	Allgon 7184.13	14.5	0	0	0
8	PCS (AT&T)	Allgon 7184.13	14.5	8	916.6	3200
9	PCS (AT&T)	Allgon 7184.13	14.5	0	0	0

CONTROLLED ENVIRONMENT:

A controlled environment is defined as an area where the general public has no access and only authorized personnel like RF engineers or technicians have access. Since the fenced enclosure around the monopole is locked and contained, it serves as a controlled environment.

A predictive analysis for the worst case scenario assuming 16 channels and 200 Watts and positioned in the vicinity of the antenna was conducted and yielded the following results:



Assuming the height of the observer as 6 feet.

Theoretical measuring point	Predicted value $\mu\text{W}/\text{cm}^2$	Maximum Limit for PCS band controlled environment set by FCC $\mu\text{W}/\text{cm}^2$	% of the standard
310 feet in front of the antenna	0.71	5000	0.0142

In addition to predictive measurements, on-site data was recorded inside the enclosure constituting the controlled environment near the monopole. In all areas, less than 5 % of the MPE for occupational/controlled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from the other existing carrier at that site while the theoretical study focused on the level of emissions contributed by AT&T only. These field measurements prove that the entire site is in compliance with FCC regulations.

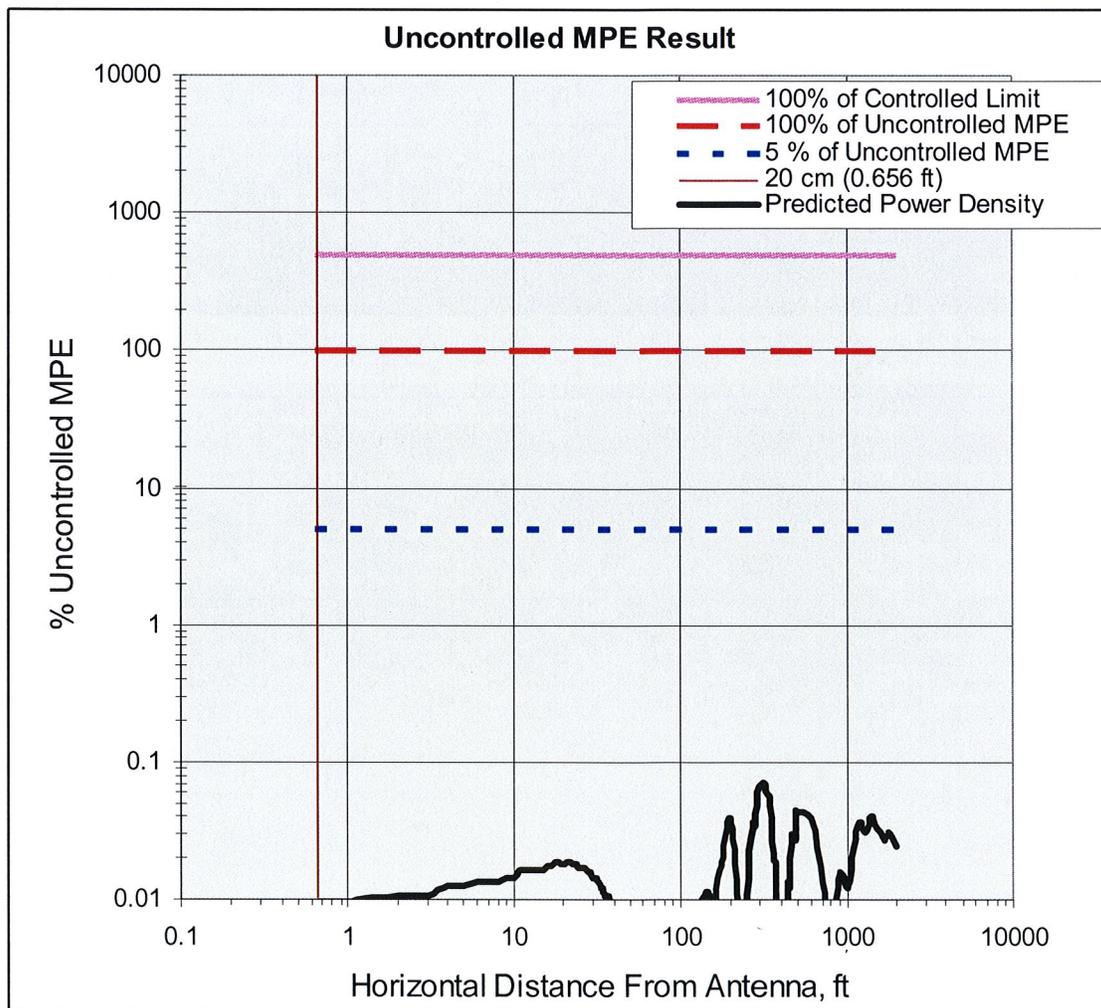
The following table describes the on-site measurements taken in the vicinity of the site:

Actual Measuring Point	Measured value $\mu\text{W}/\text{cm}^2$	Maximum Limit for PCS band controlled environment set by FCC $\mu\text{W}/\text{cm}^2$	% of the standard
1 meters in front of sector 1	6.5	5000	0.13
1 meters in front of sector 2	11	5000	0.22
10 meters in front of sector 2	3.75	5000	0.075
1 meters in front of sector 3	7.5	5000	0.15

UNCONTROLLED:

An uncontrolled environment is defined as an area where the general public has access. All the surrounding area around the monopole serves as an uncontrolled environment.

A predictive analysis for the worst case scenario assuming 16 channels and 200 Watts and positioned in front of the antenna was conducted and yielded the following results:



Assuming the height of the observer as 6 feet on the ground level.

The absolute value of both the controlled and uncontrolled analysis results are similar because in the case of a non-building structure like a monopole, the height of the observer in both cases is the same. However, since the maximum limit for the uncontrolled environment is more stringent than the controlled environment, the value of the percentage of the standard correspondingly increases as shown below.

Maximum value of MPE reading as a percentage of the uncontrolled FCC limit is:

Theoretical measuring point	Predicted value $\mu\text{W}/\text{cm}^2$	Maximum Limit for PCS band uncontrolled environment set by FCC $\mu\text{W}/\text{cm}^2$	% of the standard
310 feet away in front of the antenna	0.71	1000	0.07

In addition to predictive analysis, on-site data was recorded at different locations around the monopole. In all areas, less than 1 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from the other 1 carriers at that site while the theoretical study focused on the level of emissions contributed by AT&T only.

The following table describes the on-site measurements taken at the street level:

Actual measuring point	Measured value $\mu\text{W}/\text{cm}^2$	Maximum Limit for PCS band uncontrolled environment set by FCC $\mu\text{W}/\text{cm}^2$	% of the standard
25 meters in front of sector 1	2.8	1000	0.28
35 meters in front of sector 1	1.85	1000	0.185
45 meters in front of sector 1	0.75	1000	0.075
50 meters in front of sector 1	0.01	1000	0.001
15 meters in front of sector 2	2.8	1000	0.28
30 meters in front of sector 2	2.25	1000	0.225
40 meters in front of sector 2	1.55	1000	0.155
45 meters in front of sector 2	0.9	1000	0.09
10 meters in front of sector 3	0.9	1000	0.09
15 meters in front of sector 3	0.75	1000	0.075
20 meters in front of sector 3	0.65	1000	0.065
25 meters in front of sector 3	0.5	1000	0.05

Thus, for the current configuration, AT&T contributes less than 5% of the public/uncontrolled limits in all cases.



3.3 Measurements and Results for future configuration

FUTURE CONFIGURATION:

Table 3. Summary of future site configuration

Operator	Antenna type or model
Site ID	CT-088
Site Name	Ox Hill
Latitude	41.22305
Longitude	-73.21694
Address of structure	38 Kaechele Place Bridgeport, CT
Type of structure	Monopole
Antenna structure owner	AT&T
Address of antenna owner	15 East Midland AVE Paramus, NJ 07652
FCC class and Type of service	PCS TDMA (IS-136), PCS GSM
Operating frequency	D, E bands (PCS)
Azimuths	30,150,270
Elevation (ft)	140
Antenna configuration	3 antenna per sector
Antenna manufacturer	Allgon
Antenna type	Panel

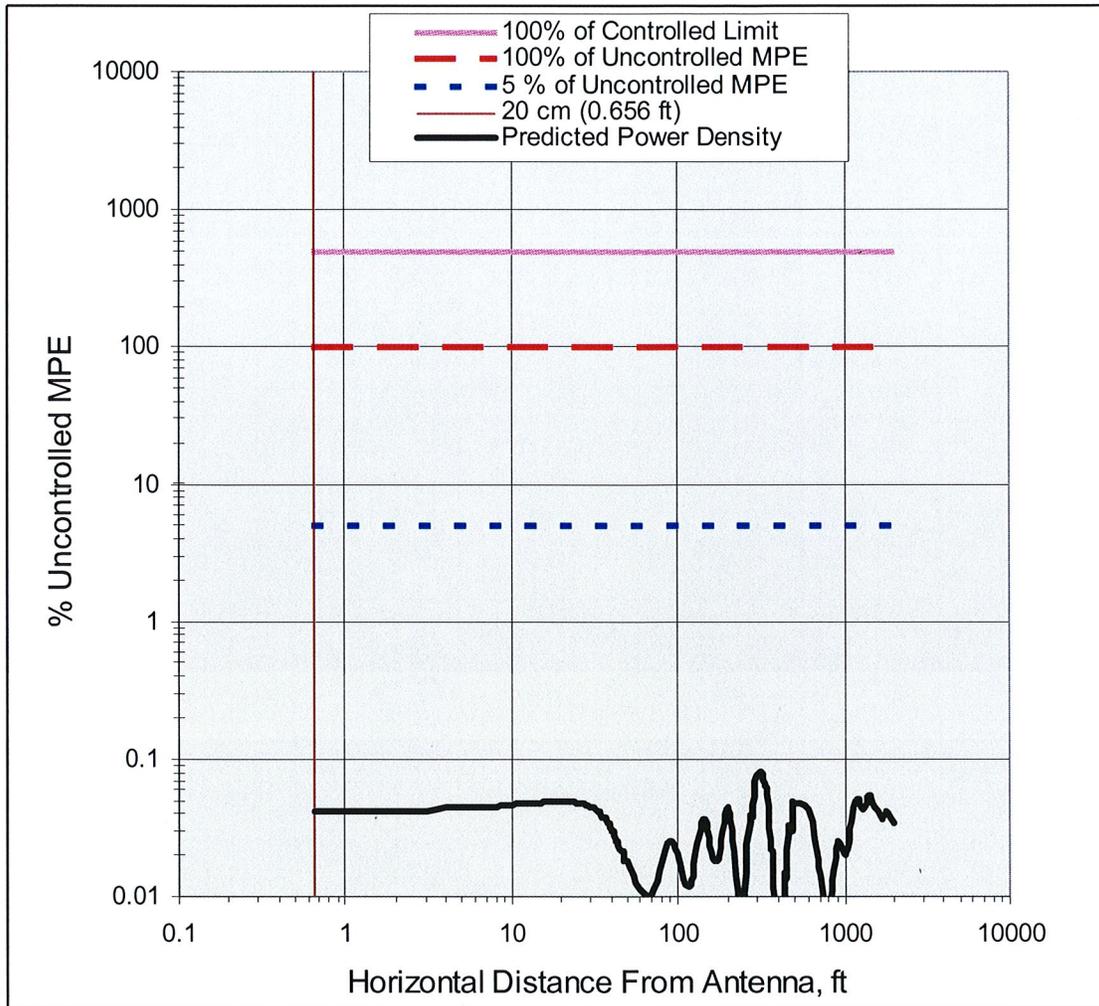
Table 2. Summary of antenna parameters

Ant ID	Operator	Antenna type or model	Antenna gain (dBd)	Actual number of channels	Maximum ERP {worst case scenario} (Watts)
1	GSM (AT&T)	Allgon 7262.02	14	2	1100
2	PCS (AT&T)	Allgon 7184.14	14.5	8	3200
3	PCS (AT&T)	Allgon 7184.14	14.5	0	0
4	GSM (AT&T)	Allgon 7262.02	14	2	1100
5	PCS (AT&T)	Allgon 7184.14	14.5	8	3200
6	PCS (AT&T)	Allgon 7184.14	14.5	0	0
7	GSM (AT&T)	Allgon 7262.03	14	2	1100
8	PCS (AT&T)	Allgon 7184.13	14.5	8	3200
9	PCS (AT&T)	Allgon 7184.13	14.5	0	0

CONTROLLED ENVIRONMENT:

A controlled environment is defined as an area where the general public has no access and only authorized personnel like RF engineers or technicians have access. Since the fenced enclosure around the monopole is locked and contained, it serves as a controlled environment.

A predictive analysis for the worst case scenario assuming 16 channels and 200 Watts for TDMA and a maximum of 4 channels and 275 Watts for GSM and positioned directly in the main beam of the antenna was conducted and yielded the following results:



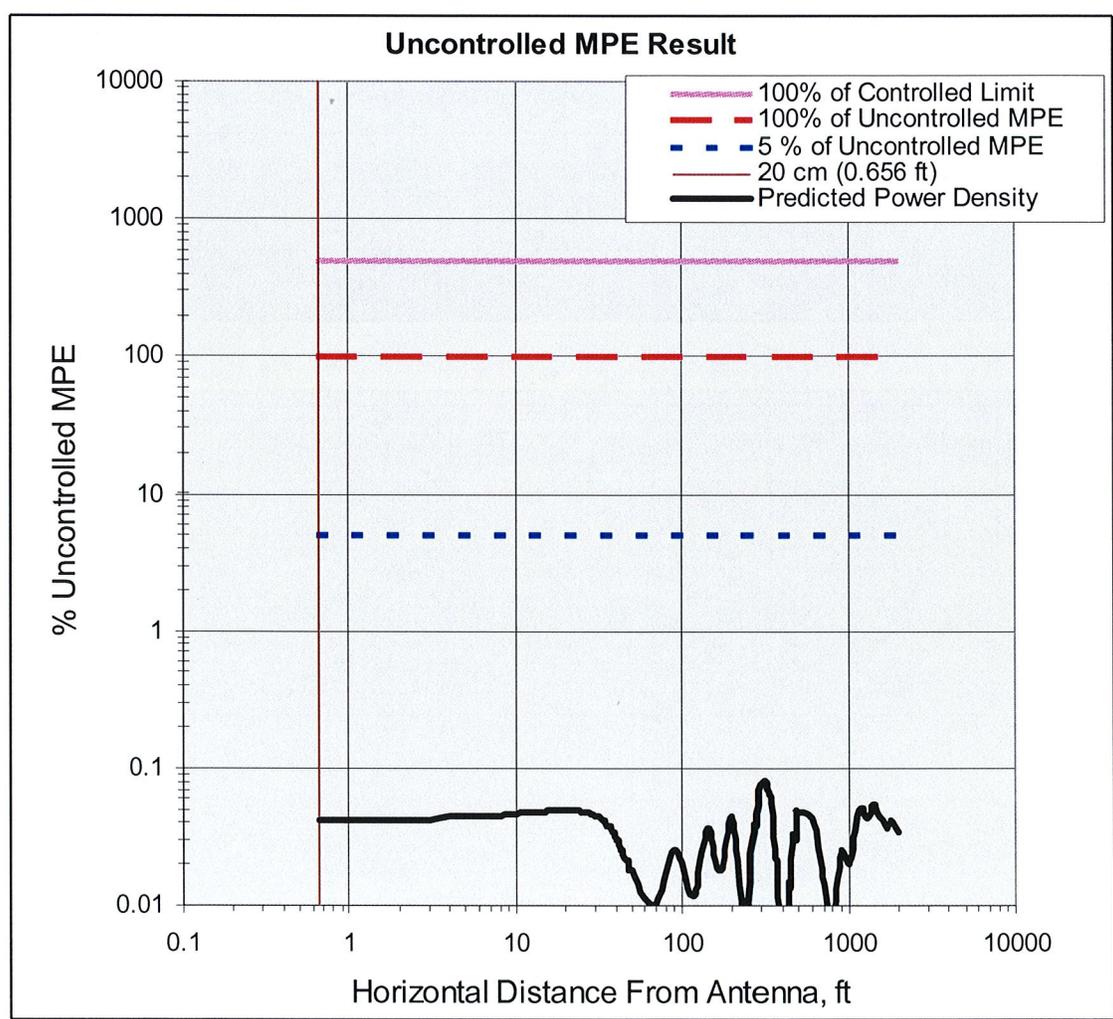
Assuming the height of the observer as 6 feet.

Theoretical measuring point	Predicted value $\mu\text{W}/\text{cm}^2$	Maximum Limit for PCS band controlled environment set by FCC $\mu\text{W}/\text{cm}^2$	% of the standard
310 feet in front of the antenna	0.81	5000	0.0162

UNCONTROLLED:

An uncontrolled environment is defined as an area where the general public has unrestrained access. All the surrounding area around the building serves as an uncontrolled environment.

A predictive analysis for the worst case scenario assuming 16 channels and 200 Watts TDMA and 4 channels and 275 Watts and positioned in front of the antenna sector at ground level was conducted and yielded the following results:



Assuming the height of the observer is 6 feet.



EME Evaluation for CT-088

Theoretical measuring point	Predicted value $\mu\text{W}/\text{cm}^2$	Maximum Limit for PCS band uncontrolled environment set by FCC $\mu\text{W}/\text{cm}^2$	% of the standard
310 feet away in front of the antenna	0.81	1000	0.08

Thus, for the future configuration, AT&T contributes less than 5% of the public/uncontrolled limits in all cases.

Appendix I

A1 The Measurement Equipment

The field survey meter that was used to perform the field tests was the model 8718 field strength meter and the B8742D field intensity probe, both from Narda Microwave. The meter has a dynamic range of 30 dB and is capable of calculating percentage with respect to the FCC MPE limits. It is portable and has time as well as spatial averaging capabilities. It can also log data for future download and analysis.

The probe is an E-field isotropic shaped probe and is capable of detecting signals in the range 300 kHz to 3 GHz. The calibrated unit (meter and probe) displays the readout in percent of the FCC occupational/controlled MPE limit. The probe is capable of measuring values in the range .6% to 600% of the standard. The shaped response of the probe allows field measurements to be conducted quickly and accurately.



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

Web Site: www.state.ct.us/csc/index.htm

February 20, 2002

Christopher B. Fisher, Esq.
Cuddy & Feder & Worby LLP
90 Maple Avenue
White Plains, NY 10601-5196

RE: **EM-AT&T-015-034-083-084-097-103-107-135-167-020131** - AT&T Wireless notice of intent to modify existing telecommunications facilities located in Bridgeport, Stamford, Milford, Danbury, Middletown, Orange, Newtown, Norwalk, and Woodbridge, Connecticut.

Dear Attorney Fisher:

At a public meeting held on February 14, 2002, the Connecticut Siting Council (Council) acknowledged your notice to modify eleven of the twelve existing telecommunications facilities, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies. The 38 Kaechele Place, Bridgeport site will be presented at a future Council meeting after requested information is received. Although no conditions have been placed on this approval, I am attaching a letter from the Town of Newtown, dated February 14, 2002, for your review and consideration.

The proposed modifications are to be implemented as specified here and in your notice dated January 29, 2002. 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 sites that would not increase tower height, extend the boundaries of the tower sites, increase noise levels at any 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. These facilities 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 these towers.

This decision is under the exclusive jurisdiction of the Council. Any additional change to these facilities 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,


Mortimer A. Gelston
Chairman

MAG/RM/laf

Enclosure

c: See attached list.

Honorable Joseph P. Ganim, Mayor, City of Bridgeport
Honorable Michael P. Nidoh, City Planner, City of Bridgeport
Melanie J. Howlett, Assistant City Attorney, City of Bridgeport
Honorable Mark D. Boughton, Mayor, City of Danbury
Dennis Elpern, City Planner, City of Danbury
Honorable Herbert C. Rosenthal, First Selectman, Town of Newtown
Gary Frenette, Zoning Enforcement Officer, Town of Newtown
Honorable Domenique S. Thornton, Mayor, City of Middletown
Planning and Zoning Official, City of Middletown
Honorable James L. Richetelli, Jr., Mayor, City of Milford
Wade Pierce, City Planner, City of Milford
Honorable Alex A. Knopp, Mayor, City of Norwalk
Stephen Thomas, Planning Chairman, City of Norwalk
Honorable Mitchell R. Goldblatt, First Selectman, Town of Orange
Paul Dinice, Zoning Enforcement Officer, Town of Orange
Honorable Dannel P. Malloy, Mayor, City of Stamford
Robin Stein, Planning and Zoning Director, City of Stamford
Honorable Amey Marrella, First Selectman, Town of Woodbridge
Samuel Spielvogel, Town Planner, Town of Woodbridge

EDMOND TOWN HALL
45 MAIN STREET
NEWTOWN, CONNECTICUT 06470
TEL. (203) 270-4201
FAX (203) 270-4205
e-mail: newtown@snet.net

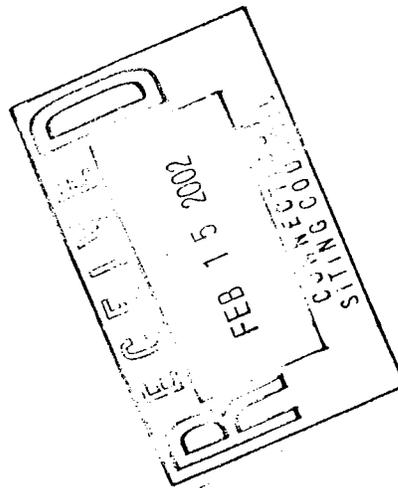


HERBERT C. ROSENTHAL
FIRST SELECTMAN

TOWN OF NEWTOWN
OFFICE OF THE FIRST SELECTMAN

VIA FAX AND FIRST CLASS MAIL

February 14, 2002



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

Re: EM-AT&T-015-034-083-097-103-107-167-020131 – AT&T Wireless notice of intent to modify existing telecommunications facilities located at nine sites throughout the State of Connecticut – Berkshire Road, Newtown

Dear Mr. Phelps:

The Town of Newtown would like to request that the Siting Council require AT&T Wireless to comply with any Newtown Zoning, inland wetland, sedimentation and erosion control requirements, as well as Building Official inspections for installation of the 14' by 8'6" pad and cabinets.

Sincerely,

Herbert C. Rosenthal
First Selectman

cc: Gary Frenette, Zoning Enforcement Officer, Town of Newtown

CITY OF BRIDGEPORT
OFFICE OF THE CITY ATTORNEY

999 Broad Street
Bridgeport, Connecticut 06604-4328



CITY ATTORNEY
Mark T. Anastasi

DEPUTY CITY ATTORNEY
Salvatore C. DePiano

ASSOCIATE CITY ATTORNEYS

John H. Barton
John P. Bohannon, Jr.
Barbara Brazzel-Massaró
Russell D. Liskov
John R. Mitola
Ronald J. Pacacha

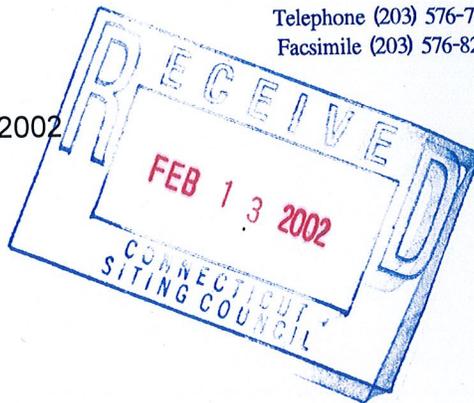
ASSISTANT CITY ATTORNEYS

Melanie J. Howlett
Arthur C. Laske III
R. Christopher Meyer
John J. Robacynski
Stephen J. Sedensky, Jr.

LEGAL ADMINISTRATOR
Kathleen Pacacha

Telephone (203) 576-7647
Facsimile (203) 576-8252

February 11, 2002



Via Facsimile and Overnight Mail

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

Re: EM-AT&T -015-990913 – AT&T Wireless Notice of Further Exempt Modification
for 38 Kaechele Place, Bridgeport, CT

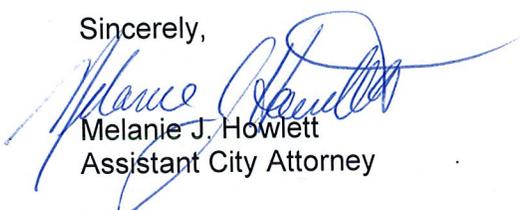
Dear Mr. Phelps:

I am in receipt on February 6, 2002, of a copy of the petition filed by AT&T Wireless ("AT&T") dated January 29, 2002, regarding their request to modify an existing telecommunications facility at 38 Kaechele Place cited above ("Petition"). Please enter my appearance on behalf of the City of Bridgeport ("City") in this matter. The Petition is also listed as one of the locations to be considered as Item No. 19 on the Agenda for the regularly scheduled meeting of the Siting Council for February 14, 2002.

The Petition as filed does not address the electromagnetic radiation power density levels for all existing equipment located at this existing facility by other FCC license holders, in addition to the installed of additional plant and equipment proposed by the Petition. The City is in the process of reviewing the information we have on file regarding this location and request that this matter be tabled until the Siting Council's next noticed meeting following February 14, 2002.

If you have any questions regarding this matter, please do not hesitate to contact me.

Sincerely,


Melanie J. Howlett
Assistant City Attorney

Cc: William Shaw – Clerk, Bridgeport Planning & Zoning Commission
Christopher Fisher, Cuddy, Feder & Worby LLP



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

Web Site: www.state.ct.us/csc/index.htm

February 5, 2002

Honorable Joseph P. Ganim
Mayor
City of Bridgeport
City Hall
999 Broad Street
Bridgeport, CT 06604

RE: **EM-AT&T-015-034-083-084-097-103-107-135-167-020131** - AT&T Wireless notice of intent to modify existing telecommunications facilities located at nine sites throughout the State of Connecticut.

Dear Mr. Ganim:

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.

The Council will consider this item at the next meeting scheduled for February 14, 2002, at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/laf

Enclosure: Notice of Intent

c: Michael P. Nidoh, City Planner, City of Bridgeport
Melanie J. Howlett, Assistant City Attorney, City of Bridgeport



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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Web Site: www.state.ct.us/csc/index.htm

February 5, 2002

Honorable Mark. D. Boughton
Mayor
City of Danbury
City Hall
155 Deer Hill Avenue
Danbury, CT 06810

RE: **EM-AT&T-015-034-083-084-097-103-107-135-167-020131** - AT&T Wireless notice of intent to modify existing telecommunications facilities located at nine sites throughout the State of Connecticut.

Dear Mr. Boughton:

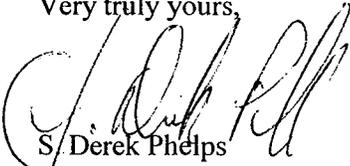
The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for February 14, 2002, at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,

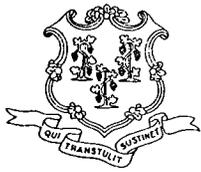


S. Derek Phelps
Executive Director

SDP/laf

Enclosure: Notice of Intent

c: Dennis Elpern, City Planner, City of Danbury



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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Web Site: www.state.ct.us/esc/index.htm

February 5, 2002

Honorable Herbert C. Rosenthal
First Selectman
Town of Newtown
Town Hall
45 Main Street
Newtown, CT 06470

RE: **EM-AT&T-015-034-083-084-097-103-107-135-167-020131** - AT&T Wireless notice of intent to modify existing telecommunications facilities located at nine sites throughout the State of Connecticut.

Dear Mr. Rosenthal:

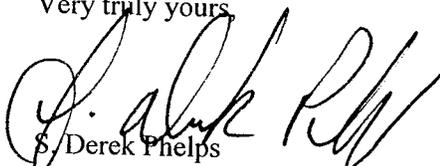
The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for February 14, 2002, at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

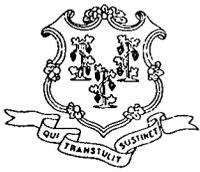
Very truly yours,


Derek Phelps
Executive Director

SDP/laf

Enclosure: Notice of Intent

c: Gary Frenette, Zoning Enforcement Officer, Town of Newtown



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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Web Site: www.state.ct.us/esc/index.htm

February 5, 2002

Honorable Domenique S. Thornton
Mayor
City of Middletown
Municipal Building
245 Dekoven Drive and Court Street
P. O. Box 1300
Middletown, CT 06457

RE: **EM-AT&T-015-034-083-084-097-103-107-135-167-020131** - AT&T Wireless notice of intent to modify existing telecommunications facilities located at nine sites throughout the State of Connecticut.

Dear Mayor Thornton:

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.

The Council will consider this item at the next meeting scheduled for February 14, 2002, at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/laf

Enclosure: Notice of Intent

c: Planning and Zoning Official, City of Middletown



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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Web Site: www.state.ct.us/csc/index.htm

February 5, 2002

Honorable James L. Richetelli, Jr.
Mayor
City of Milford
Parsons Complex
70 West River Street
Milford, CT 06460-3364

RE: **EM-AT&T-015-034-083-084-097-103-107-135-167-020131** - AT&T Wireless notice of intent to modify existing telecommunications facilities located at nine sites throughout the State of Connecticut.

Dear Mayor Richetelli:

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.

The Council will consider this item at the next meeting scheduled for February 14, 2002, at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

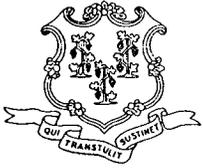
Very truly yours,

S/Derek Phelps
Executive Director

SDP/laf

Enclosure: Notice of Intent

c: Wade Pierce, City Planner, City of Milford



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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Web Site: www.state.ct.us/esc/index.htm

February 5, 2002

Honorable Alex A. Knopp
Mayor
City of Norwalk
City Hall
125 East Avenue
P. O. Box 5125
Norwalk, CT 06856-5125

RE: **EM-AT&T-015-034-083-084-097-103-107-135-167-020131** - AT&T Wireless notice of intent to modify existing telecommunications facilities located at nine sites throughout the State of Connecticut.

Dear Mayor Knopp:

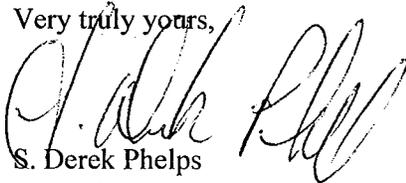
The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for February 14, 2002, at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,



S. Derek Phelps
Executive Director

SDP/laf

Enclosure: Notice of Intent

c: Stephen Thomas, Planning Chairman, City of Norwalk



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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February 5, 2002

Honorable Mitchell R. Goldblatt
First Selectman
Town of Orange
Town Hall
617 Orange Center Road
Orange, CT 06477-2423

RE: **EM-AT&T-015-034-083-084-097-103-107-135-167-020131** - AT&T Wireless notice of intent to modify existing telecommunications facilities located at nine sites throughout the State of Connecticut.

Dear Mr. Goldblatt:

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.

The Council will consider this item at the next meeting scheduled for February 14, 2002, at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/laf

Enclosure: Notice of Intent

c: Paul Dinice, Zoning Enforcement Officer, Town of Orange



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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Web Site: www.state.ct.us/csc/index.htm

February 5, 2002

Honorable Dannel P. Malloy
Mayor
City of Stamford
Stamford Government Center
888 Washington Boulevard
P. O. Box 10152
Stamford, CT 06904-2152

RE: **EM-AT&T-015-034-083-084-097-103-107-135-167-020131** - AT&T Wireless notice of intent to modify existing telecommunications facilities located at nine sites throughout the State of Connecticut.

Dear Mayor Malloy:

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.

The Council will consider this item at the next meeting scheduled for February 14, 2002, at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/laf

Enclosure: Notice of Intent

c: Robin Stein, Planning and Zoning Director, City of Stamford



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

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Web Site: www.state.ct.us/esc/index.htm

February 5, 2002

Honorable Amey Marrella
First Selectman
Town of Woodbridge
Town Hall
11 Meetinghouse Lane
Woodbridge, CT 06525

RE: **EM-AT&T-015-034-083-084-097-103-107-135-167-020131** - AT&T Wireless notice of intent to modify existing telecommunications facilities located at nine sites throughout the State of Connecticut.

Dear Mr. Marrella:

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.

The Council will consider this item at the next meeting scheduled for February 14, 2002, at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,

S/ Derek Phelps
Executive Director

SDP/laf

Enclosure: Notice of Intent

c: Samuel Spielvogel, Town Planner, Town of Woodbridge

CUDDY & FEDER & WORBY LLP

90 MAPLE AVENUE
WHITE PLAINS, NEW YORK 10601-5196

(914) 761-1300

TELECOPIER (914) 761-5372/6405

www.cfwlaw.com

500 FIFTH AVENUE
NEW YORK, NEW YORK 10110
(212) 944-2841
TELECOPIER (212) 944-2843

WESTAGE BUSINESS CENTER
300 SOUTH LAKE DRIVE
FISHKILL, NEW YORK 12524
(845) 896-2229
TELECOPIER (845) 896-3672

STAMFORD, CONNECTICUT
NORWALK, CONNECTICUT

CUDDY & FEDER
1971-1995

WILLIAM S. NULL
DAWN M. PORTNEY
ELISABETH N. RADOW
NEIL T. RIMSKY
RUTH E. ROTH
JENNIFER L. VAN TUYL
CHAUNCEY L. WALKER (also CA)
ROBERT L. WOLFE
DAVID E. WORBY

Of Counsel
MICHAEL R. EDELMAN
ANDREW A. GLICKSON (also CT)
ROBERT L. OSAR (also TX)
MARYANN M. PALERMO
ROBERT C. SCHNEIDER
LOUIS R. TAFFERA

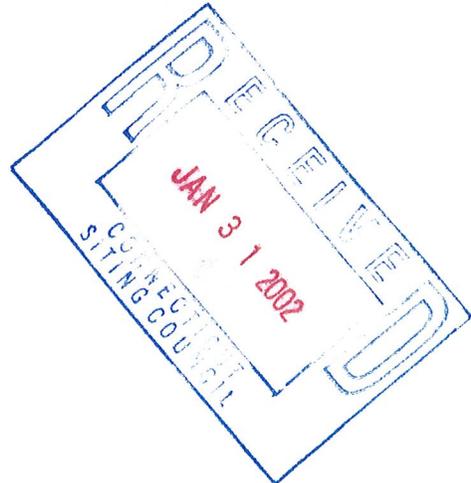
NEIL J. ALEXANDER (also CT)
CHARLES T. BAZYDLO (also NJ)
THOMAS R. BEIRNE (also DC)
THOMAS M. BLOOMER
JOSEPH P. CARLUCCI
KENNETH J. DUBROFF
ROBERT FEDER
CHRISTOPHER B. FISHER (also CT)
ANTHONY B. GIOFFRE III (also CT)
SUSAN E.H. GORDON
KAREN G. GRANIK
JOSHUA J. GRAUER
WAYNE E. HELLER (also CT)
KENNETH F. JURIST
MICHAEL L. KATZ (also NJ)
JOSHUA E. KIMERLING (also CT)
DANIEL F. LEARY (also CT)
BARRY E. LONG

January 29, 2002

VIA FEDERAL EXPRESS

Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: AT&T Wireless Notice of Exempt Modification
38 Kaechele Place, Bridgeport, Connecticut
1590 Newfield Avenue, Stamford, Connecticut
111 School House Road, Milford, Connecticut
36 Sugar Hollow Road, Danbury, Connecticut
90 Industrial Park, Middletown, Connecticut
525 Orange Center Road, Orange, Connecticut
Berkshire Road, Newtown, Connecticut
10 Willard Road, Norwalk, Connecticut
1027 Racebrook Road, Woodbridge, Connecticut



Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

On behalf of AT&T Wireless, we respectfully enclose an original and twenty copies of its notice of exempt modification with respect to the above mentioned facilities together with a check in the amount of \$500.00. We would appreciate it if these matters were placed on the next available agenda for acknowledgment by the Council. Should the Council or staff have any questions regarding this matter, please do not hesitate to contact us.

Very truly yours,

Linda Grant

cc: Christopher B. Fisher, Esq.

CUDDY & FEDER & WORBY LLP

90 MAPLE AVENUE
WHITE PLAINS, NEW YORK 10601-5196

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TELECOPIER (914) 761-5372/6405

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STAMFORD, CONNECTICUT
NORWALK, CONNECTICUT

CUDDY & FEDER
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WAYNE E. HELLER (also CT)
KENNETH F. JURIST
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JOSHUA E. KIMERLING (also CT)
DANIEL F. LEARY (also CT)
BARRY E. LONG

January 28, 2002

VIA FEDERAL EXPRESS

Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: AT&T Wireless - EM-AT&T-015-990913
38 Kaechele Place, Bridgeport, Connecticut
Notice of Further Exempt Modification



Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

Springwich Cellular Limited Partnership holds the Siting Council certificate for the existing communications tower and related facility located at 38 Kaechele Place, Bridgeport, Connecticut (Docket No. 45). On October 21, 1999 AT&T Wireless ("AT&T"), received the Council's acknowledgement of a notice to modify the existing facility pursuant to Section 16-50j-72 of the Regulations of Connecticut State Agencies (EM-AT&T-015-990913) permitting AT&T to install up to twelve (12) panel antennas at the 140' level on the existing tower, with an associated equipment shelter located within the fenced compound.

This notice of further exempt modification is also being provided pursuant to Section 16-50j-72 of the Council's regulations. AT&T will be replacing three existing antennas and installing additional equipment within the existing shelter at the facility. There will be no other infrastructure changes to AT&T's facility.

The proposed replacement antennas and addition of equipment to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d). The proposed modifications to AT&T Wireless' facility will

January 28, 2002

Page 2

not result in an increase in the Tower's height or extend the boundaries of the existing fenced area surrounding the Tower. Further, there will be no increase in noise levels by six (6) decibels or more at the Tower site's boundary. AT&T made measurements of the existing facility to confirm compliance with MPE limits and as set forth in a report prepared by Wireless Facilities, Inc., annexed hereto, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes. For all the foregoing reasons, the proposed modifications to AT&T Wireless' existing facility constitutes an exempt modification which will not have a substantially adverse environmental effect.

AT&T Wireless respectfully submits that the proposed replacement antennas and addition of the equipment to the Kaechele Place Facility meets the Council's exemption criteria and requests an acknowledgment of same.

Respectfully Submitted,



Christopher B. Fisher, Esq.
On behalf of AT&T Wireless

cc: Mayor, City of Bridgeport
Darryl Hendrickson, Bechtel Telecommunications
Peter W. Van Wilgen, Springwiche Cellular LP



Wireless Facilities, Inc.
 1840 Michael Faraday Drive
 Suite 200
 Reston, VA 20190

January 2, 2002

Mr. Mortimer A. Gelston, Chairman
 Connecticut Siting Council
 10 Franklin Square
 New Britain, CT 06051

RE: FCC Compliance Statement for AT&T Site CT-088 (Ox Hill)

Dear Mr. Gelston:

On behalf of AT&T Wireless, Wireless Facilities Inc. has performed in-field RF measurements and office analyses for the above referenced site to determine compliance with FCC mandated Maximum Permissible Exposure (MPE) limits as defined in 47 CFR § 1.1310.

The table below gives a brief summary of the site location, its configuration and associated technical parameters.

Summary of the site configuration and technical parameters:

Site ID	CT-088
Site Name	Ox Hill
Latitude	41.22305
Longitude	-73.21694
Address of structure	38 Kaechele Place Bridgeport, CT
Type of structure	Monopole
Antenna structure owner	AT&T
Address of antenna owner	15 East Midland AVE Paramus, NJ 07652
FCC class and Type of service	PCS TDMA (IS-136), PCS GSM
Operating frequency	D, E bands (PCS)
Azimuths	30,150,270
Elevation (ft)	140
Antenna manufacturer	Allgon
Antenna type	Panel

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where: S = Power density in W/m²
 EIRP = Effective isotropic radiated power (W)
 ERP = Effective radiated power (W)
 D = Distance in meters

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in μW/cm² is given by

$$S = \frac{33.4 * ERP}{D^2} \text{ (Section 2, OET bulletin 65).}$$

Where: S = Power density in μW/cm²
 ERP = Effective radiated power (W)
 D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	Point of Worst Case Predicted Level	Predicted Value μW/cm ²	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC μW/cm ²	% of the Standard
Current PCS TDMA configuration	310 feet away in front of the antenna	0.71	1000	0.07
Future PCS TDMA and GSM configuration	310 feet away in front of the antenna	0.81	1000	0.08

In addition to predictive analysis, on-site data was recorded at different locations around the monopole. In all areas, less than or equal to 0.28 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from the other carrier at that site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	Worst Case Measured Value $\mu\text{W}/\text{cm}^2$	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC $\mu\text{W}/\text{cm}^2$	% of the Standard
25 meters in front of sector 1	2.8	1000	0.28
15 meters in front of sector 2	2.8	1000	0.28
10 meters in front of sector 3	0.9	1000	0.09

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than or equal to 0.28 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.

Dan Hardiman
Senior Engineer II
Fixed Network Engineering

CUDDY & FEDER & WORBY LLP

90 MAPLE AVENUE
WHITE PLAINS, NEW YORK 10601-5196

(914) 761-1300

TELECOPIER (914) 761-5372/6405

www.cfwlaw.com

500 FIFTH AVENUE
NEW YORK, NEW YORK 10110
(212) 944-2841
TELECOPIER (212) 944-2843

WESTAGE BUSINESS CENTER
300 SOUTH LAKE DRIVE
FISHKILL, NEW YORK 12524
(845) 896-2229
TELECOPIER (845) 896-3672

STAMFORD, CONNECTICUT
NORWALK, CONNECTICUT

CUDDY & FEDER
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WILLIAM S. NULL
DAWN M. PORTNEY
ELISABETH N. RADOW
NEIL T. RIMSKY
RUTH E. ROTH
JENNIFER L. VAN TUYL
CHAUNCEY L. WALKER (also CA)
ROBERT L. WOLFE
DAVID E. WORBY

Of Counsel
MICHAEL R. EDELMAN
ANDREW A. GLICKSON (also CT)
ROBERT L. OSAR (also TX)
MARYANN M. PALERMO
ROBERT C. SCHNEIDER
LOUIS R. TAFFERA

NEIL J. ALEXANDER (also CT)
CHARLES T. BAZYDLO (also NJ)
THOMAS R. BEIRNE (also DC)
THOMAS M. BLOOMER
JOSEPH P. CARLUCCI
KENNETH J. DUBROFF
ROBERT FEDER
CHRISTOPHER B. FISHER (also CT)
ANTHONY B. GIOFFRE III (also CT)
SUSAN E.H. GORDON
KAREN G. GRANIK
JOSHUA J. GRAUER
WAYNE E. HELLER (also CT)
KENNETH F. JURIST
MICHAEL L. KATZ (also NJ)
JOSHUA E. KIMERLING (also CT)
DANIEL F. LEARY (also CT)
BARRY E. LONG

January 29, 2002

VIA FEDERAL EXPRESS

Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051



Re: AT&T Wireless - EM-SNET-103-991110
10 Willard Road, Norwalk, Connecticut
Notice of Further Exempt Modification

Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

Southern New England Telephone ("SNET") is the owner of the existing communications tower and related facility located at 10 Willard Road, Norwalk, Connecticut. On December 8, 1999 SNET, on behalf of AT&T Wireless ("AT&T"), received the Council's acknowledgement of a notice to modify the existing facility pursuant to Section 16-50j-72 of the Regulations of Connecticut State Agencies (EM-SNET-103-991110) permitting AT&T to install panel antennas at the 225' level on the existing tower, with associated equipment cabinets located on a concrete pad within the fenced compound.

This notice of further exempt modification is also being provided pursuant to Section 16-50j-72 of the Council's regulations. In order for AT&T to install an additional equipment cabinet (approximately 76"H x 76"W x 30"D) at the facility, the existing concrete pad must be extended. AT&T proposes to add a 5' x 3' poured concrete pad to the existing pad within the existing fenced compound. See plans prepared by URS Corporation annexed hereto as Exhibit 1. There will be no other infrastructure changes to AT&T's facility.

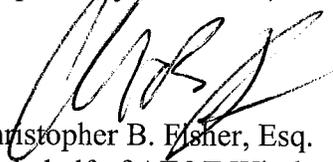
January 29, 2002

Page 2

The proposed addition of an equipment cabinet and associated concrete pad to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d). The proposed addition to AT&T Wireless' facility will not result in an increase in the Tower's height or extend the boundaries of the existing fenced area surrounding the Tower. Further, there will be no increase in noise levels by six (6) decibels or more at the Tower site's boundary. AT&T made measurements of the existing facility to confirm compliance with MPE limits and as set forth in a report prepared by Wireless Facilities, Inc., annexed hereto as Exhibit 2, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes. For all the foregoing reasons, addition of AT&T Wireless' cabinet to its existing facility constitutes an exempt modification which will not have a substantially adverse environmental effect.

AT&T Wireless respectfully submits that the proposed extension of the existing equipment pad and addition of the cabinet to the Willard Road Facility meets the Council's exemption criteria and requests an acknowledgment of same.

Respectfully Submitted,



Christopher B. Fisher, Esq.
On behalf of AT&T Wireless

cc: Mayor, City of Norwalk
Darryl Hendrickson, Bechtel Telecommunications
Peter W. Van Wilgen, SNET



AT&T

AT&T WIRELESS SERVICES, INC.

SITE NUMBER: CT-017

SITE NAME: EAST NORWALK

DRAWING INDEX

24623-313-CT-017-01	TITLE SHEET
24623-313-CT-017-02	SITE PLAN
24623-313-CT-017-03	EQUIPMENT LAYOUT PLAN AND ELECTRICAL NOTES
24623-313-CT-017-04	ANTENNA PLAN AND TOWER ELEVATION
24623-313-CT-017-05	BILL OF MATERIALS AND ANTENNA SCHEMATIC
24623-313-CT-017-06	POWER/TELCO/GROUNDING PLAN AND RISER
24623-313-CT-017-07	ELECTRICAL DETAILS
24623-313-CT-017-08	ELECTRICAL DETAILS
24623-313-CT-017-09	COAX CABLE DETAIL/BITUMINOUS REPAIR
24623-313-CT-017-10	GENERAL NOTES

REV.

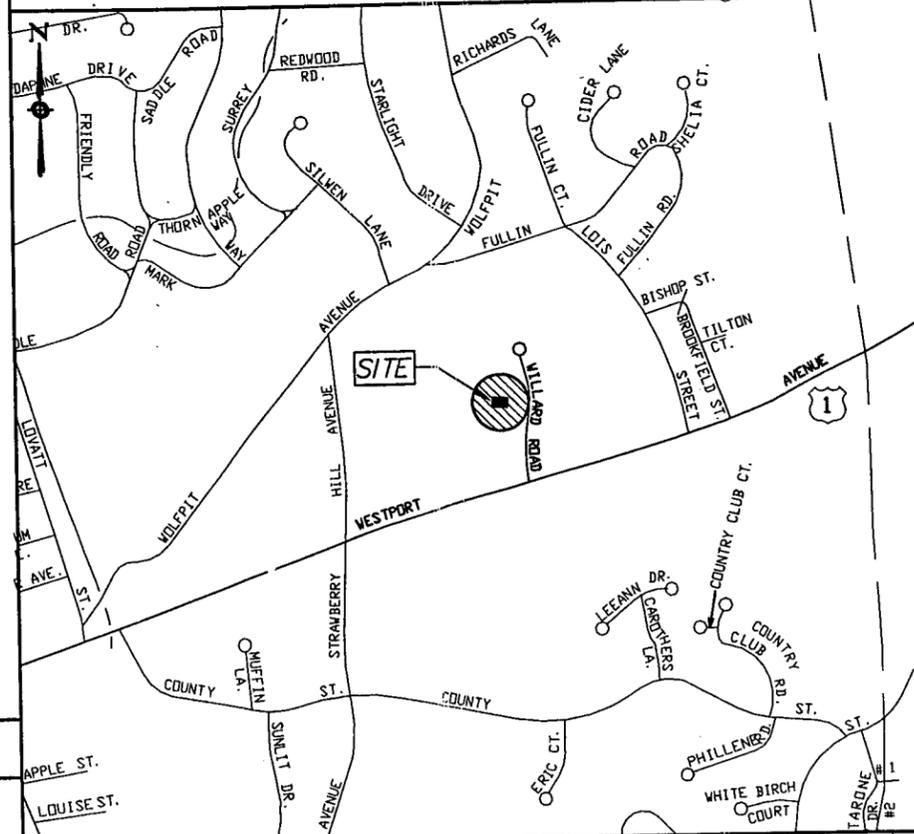
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DIRECTIONS

TAKE I-95 NORTH TO EXIT 17. AT END OF RAMP TAKE A LEFT ONTO SAUGATUCK AVENUE. SAUGATUCK AVENUE WILL MERGE TO RIVERSIDE AVENUE. STAY ON THIS AND TURN LEFT ONTO SYLVAN ROAD. TAKE YOUR FIRST LEFT ONTO POST ROAD (RT-1). FOLLOW TO NORWALK AND TURN RIGHT ONTO WILLARD ROAD.

VICINITY MAP

NO SCALE



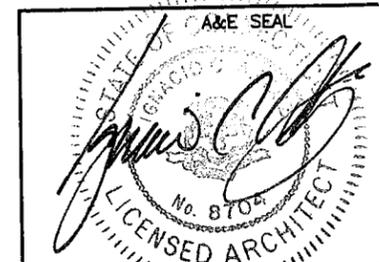
PROJECT INFORMATION

SCOPE OF WORK:	WIRELESS TELECOMMUNICATIONS FACILITY 3G EQUIPMENT UPGRADE
SITE ADDRESS:	10 WILLARD ROAD NORWALK, CT 06854
PROPERTY LESSEE:	AT&T WIRELESS PCS LLC 15 EAST MIDLAND AVENUE PARAMUS, NJ 07652
PROPERTY OWNER:	SNEF 310 ORANGE STREET 5TH FLOOR NEW HAVEN, CT 06510
RADIATION CENTER:	SECTOR 1, 2 AND 3: 225 FEET
CONTACT:	DOE WILSON (734)-404-3533
ZONING NUMBER:	4-000050001700002
PROJECT INFORMATION:	MAP 215E BLOCK 17 LOT-2
LATITUDE:	41.12805
LONGITUDE:	-73.38944
ELEVATION:	114' AMSL
JURISDICTION:	CITY OF NORWALK
CURRENT USE:	TELECOMMUNICATIONS FACILITY
PROPOSED USE:	TELECOMMUNICATIONS FACILITY
RF DATA SHEET:	RF DATA SHEET 08/01/01 (REV 2)
EQUIPMENT LOCATION:	OUTSIDE-EQUIPMENT PAD

CONTACT INFORMATION

ARCHITECT/ENGINEER
URS CORPORATION AES
795 BROOK STREET, BUILDING 5
ROCKY HILL, CT 06067
PHONE: (860) 529-8882
FAX: (860) 529-5566
GENERAL CONTRACTOR

RF ENGINEER
TONY HOUWELLING
(973) 386-8621



STRUCTURAL REVIEW

EXISTING ANTENNA AND EQUIPMENT SUPPORT STRUCTURE HAVE BEEN EVALUATED FOR THE REPLACEMENT/ADDITION OF ANTENNA AND COAX CABLES AND NO MODIFICATIONS TO THE ANTENNA AND SUPPORT STRUCTURE ARE REQUIRED.

URS CORPORATION AES

795 BROOK STREET, BUILDING 5
ROCKY HILL, CONNECTICUT
1-(860)-529-8882
URS JOB NUMBER: F302099.19

**EAST NORWALK
CT-017**
10 WILLARD ROAD
NORWALK, CONNECTICUT 06851



AT&T
AT&T WIRELESS SERVICES, INC.
15 EAST MIDLAND AVENUE
PARAMUS, NJ 07652

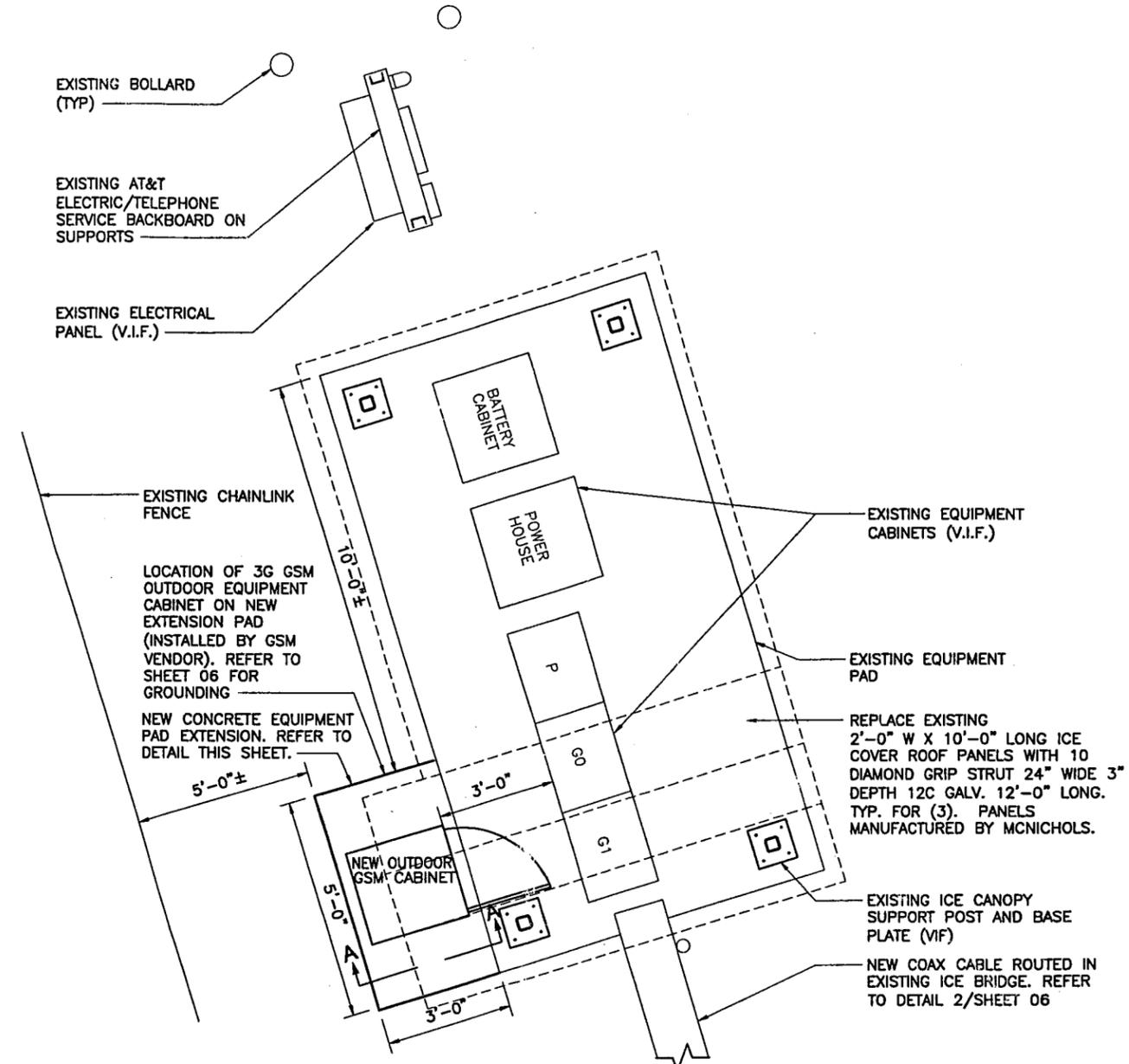
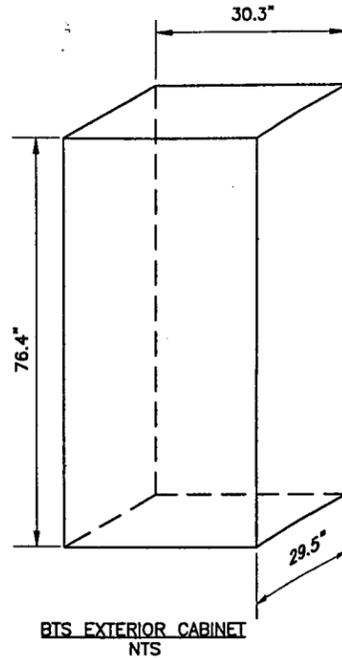
0	09/28/01	ISSUED FOR CONSTRUCTION	RB	7/1/01	
A	08/27/01	90% REVIEW	JGB	ICA	
NO.	DATE	REVISIONS	BY	CHK APP'D	
SCALE:	AS NOTED	DESIGNED:	JGB	DRAWN:	JGB

**EAST NORWALK
EXISTING LATTICE TOWER/EQUIPMENT PAD
TITLE SHEET**

JOB NO.	DRAWING NUMBER	REV
24623-313	CT-017-01	0

ELECTRICAL NOTES:

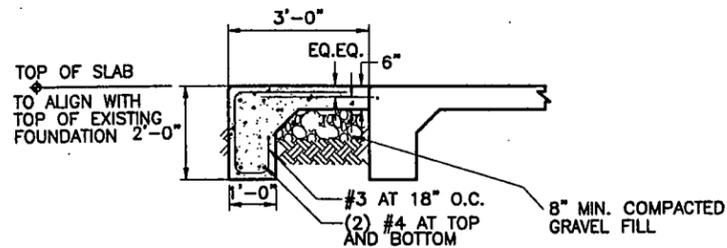
- POWER:**
SUBCONTRACTOR TO PROVIDE & INSTALL 1 DP 30 AMP BREAKER. SUBCONTRACTOR TO FIELD ROUTE 2#10 CONDUCTORS, 1#10 NEUTRAL, AND 1#10 GREEN INSULATED GROUND WIRE IN 3/4" GRC FROM AC PANEL CLOSE TO THE EQUIPMENT LOCATION. SUBCONTRACTOR TO RUN 6' LIQUIDTIGHT METALLIC FLEXIBLE CONDUIT TO GSM BTS.
- TELCO:**
SUBCONTRACTOR TO PROVIDE, INSTALL & FIELD ROUTE (1.5 MBIT/s) CAT 5E T-1 LINE FROM THE NETWORK INTERFACE UNIT (NIU) TO THE NOKIA BTS CABINET PER DETAIL 1016. CONNECTION TO CABINET WILL BE MADE BY NOKIA.
- GROUND:**
SUBCONTRACTOR SHALL PROVIDE PIG TAIL WITH 2-HOLE LUG FOR GROUNDING THE NOKIA GSM (BTS) CABINET FRAME TO EXISTING MAIN GROUND BAR USING #2 AWG STRANDED & INSULATED GREEN COPPER WIRE. SEE DETAIL 1015.
- CLEARANCE:**
GSM CABINETS SHOULD HAVE A MINIMUM OF 30" FRONT CLEARANCE, UNLESS OTHERWISE SPECIFIED. ALSO, MINIMUM 24" REAR CLEARANCE MUST BE MAINTAINED. OUTDOOR UNITS SHOULD HAVE TOP CLEARANCE OF 22".
- FIELD VERIFICATION:**
SUBCONTRACTOR SHALL FIELD VERIFY SCOPE OR WORK, AT&T ANTENNA PLATFORM LOCATION AND ANTENNAS TO BE REPLACED.
- COORDINATION OF WORK:**
SUBCONTRACTOR SHOULD COORDINATE RF WORK AND PROCEDURES WITH CONTRACTOR.
- CABLE LADDER RACK:**
SUBCONTRACTOR SHALL FURNISH AND INSTALL CABLE LADDER RACK, CABLE TRAY, AND CONDUIT AS REQUIRED TO SUPPORT CABLES TO THE NEW BTS LOCATIONS.
- USE NEC APPROVED WIRING METHODS IN ALL LOCATIONS.



CONCRETE AND REINFORCING STEEL NOTES

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318 AND THE SPECIFICATION CAST-IN-PLACE CONCRETE.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE. ALL CONCRETE TO BE AIR-ENTRAINED TO (4% TO 6%), SLUMP 3" TO 5".
- REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNO.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

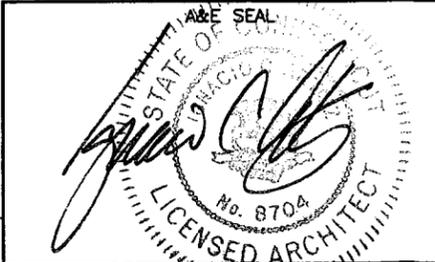
CONCRETE CAST AGAINST EARTH.....	3 IN.
CONCRETE EXPOSED TO EARTH OR WEATHER:	
#6 AND LARGER	2 IN.
#5 AND SMALLER & WWF	1 1/2 IN.
CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:	
SLAB AND WALL	3/4 IN.
BEAMS AND COLUMNS	1 1/2 IN.



- NOTES:**
- GRAVEL SHALL BE NATURAL OR CRUSHED GRAVEL WITH 100 PERCENT PASSING 1 INCH SIEVE.
 - REFER TO 1/C-1 FOR ORIENTATION.

- A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
- INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL WHEN DRILLING HOLES IN CONCRETE.

<p>ELECTRICAL NOTES</p> <p>URS CORPORATION AES 795 BROOK STREET, BUILDING 5 ROCKY HILL, CONNECTICUT 1-(860)-529-8882 URS JOB NUMBER: F302099.19</p>	<p>EAST NORWALK CT-017 10 WILLARD ROAD NORWALK, CONNECTICUT 06851</p>	<p>AT&T AT&T WIRELESS SERVICES, INC. 15 EAST MIDLAND AVENUE PARAMUS, NJ 07652</p>	<p>EQUIPMENT LAYOUT PLAN</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>NO.</td> <td>DATE</td> <td>REVISIONS</td> <td>BY</td> <td>CHK</td> <td>APP'D</td> <td>REV</td> </tr> <tr> <td>0</td> <td>09/26/01</td> <td>ISSUED FOR CONSTRUCTION</td> <td>RB</td> <td></td> <td></td> <td></td> </tr> <tr> <td>A</td> <td>08/27/01</td> <td>90% REVIEW</td> <td>JGB</td> <td>ICA</td> <td></td> <td></td> </tr> </table> <p>SCALE: AS NOTED DESIGNED: JGB DRAWN: JGB</p>	NO.	DATE	REVISIONS	BY	CHK	APP'D	REV	0	09/26/01	ISSUED FOR CONSTRUCTION	RB				A	08/27/01	90% REVIEW	JGB	ICA			<p>SCALE: 1</p> <p>EAST NORWALK EXISTING LATTICE TOWER/EQUIPMENT PAD EQUIPMENT LAYOUT PLAN AND ELECTRICAL NOTES</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>JOB NO.</td> <td>DRAWING NUMBER</td> <td>REV</td> </tr> <tr> <td>24623-313</td> <td>CT-017-03</td> <td>0</td> </tr> </table>	JOB NO.	DRAWING NUMBER	REV	24623-313	CT-017-03	0
NO.	DATE	REVISIONS	BY	CHK	APP'D	REV																									
0	09/26/01	ISSUED FOR CONSTRUCTION	RB																												
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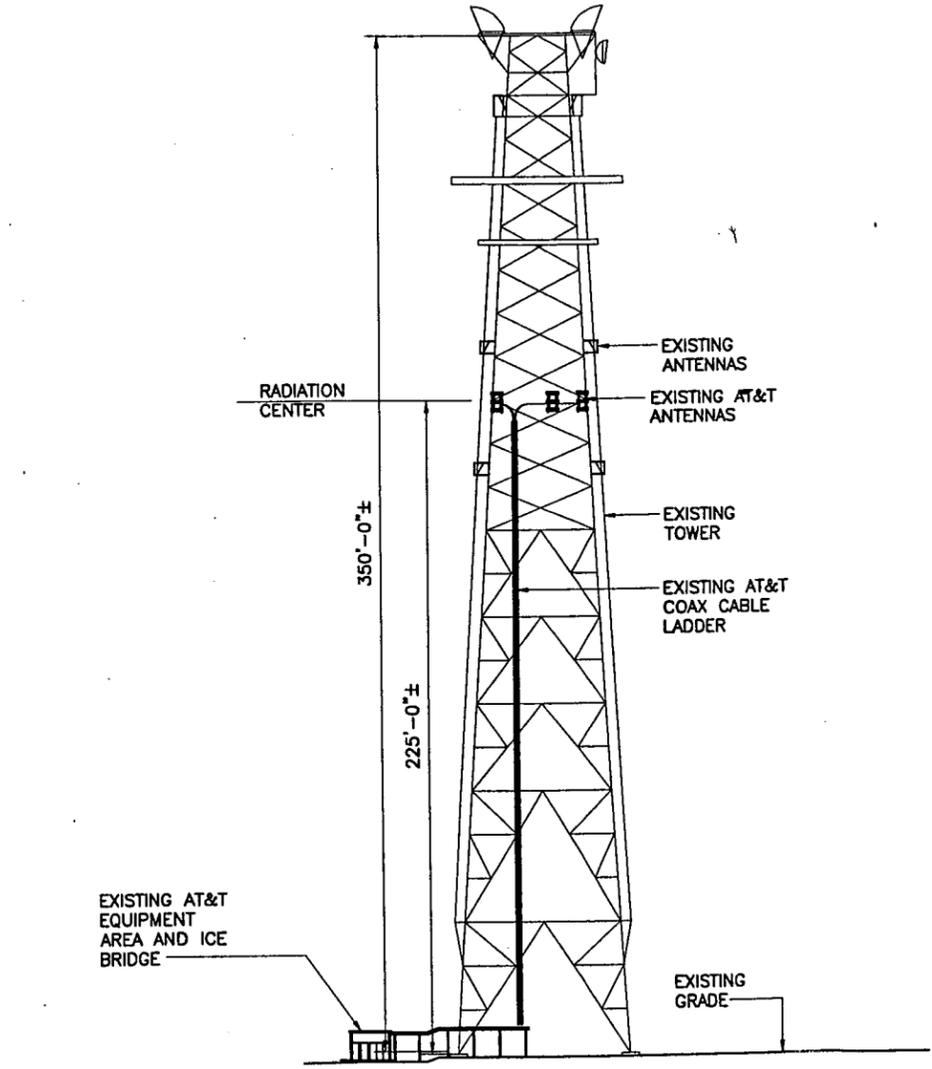
P:\Telecom\F04\CT017-03.dwg, 09/27/2001 11:23:52 AM

CABLE INSTALLATION:

1. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL FOR SAFETY AND PROTECTION
2. COAXIAL CABLES SHALL BE PROTECTED FROM DAMAGE AND SHALL HAVE MINIMUM BEND RADIUS FOR THE SIZE AND MANUFACTURER OF THAT CABLE.
3. SLACK SHALL BE LEFT IN CABLES LEAVING THE RACK TO THEIR TERMINATION POINTS. THIS IS DONE IN ORDER TO PROVIDE A STRESS RELIEF ON THE BALES AND CONNECTIONS IN THE EVENT OF SEISMIC ACTIVITY.
4. ALL CABLES SHALL BE ROUTED AND INSTALLED IN A MANNER AS TO PROTECT THE CABLES FROM DAMAGE OF SHARP FIBER PAPER OR SPLIT PVC FIBER TUBING MAY BE USED.
5. SUBCONTRACTOR SHALL NOT ROUTE CABLES THROUGH CABLE LADDER RACK RUNGS.
6. SUBCONTRACTOR SHALL PROVIDE OR MODIFY CABLE TRAY AS REQUIRED TO FACILITATE EQUIPMENT INSTALLATION BASED ON THE LOCATION OF THE NEW EQUIPMENT.
7. SUBCONTRACTOR SHALL VERIFY THE ACTUAL LENGTHS OF EACH JUMPER AND COAXIAL CABLE BEFORE INSTALLATION.

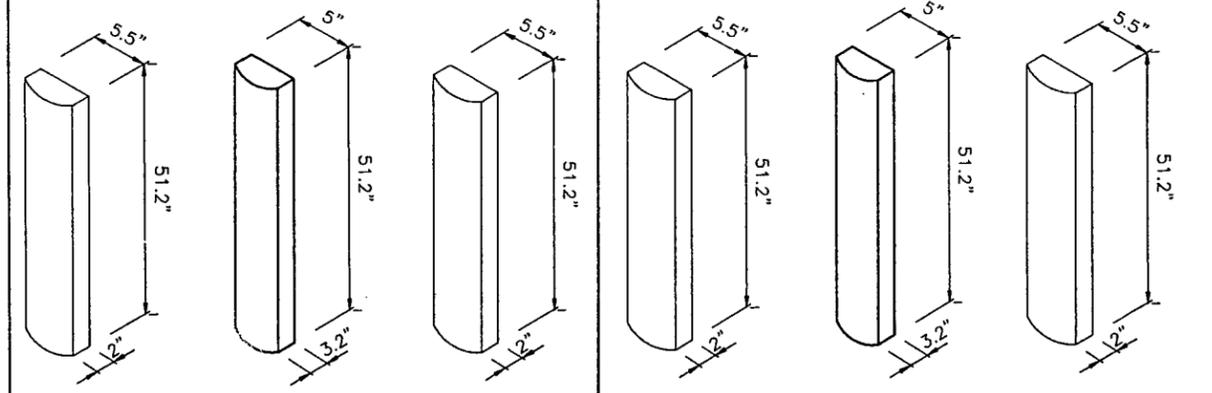
ABBREVIATIONS

- AGL ABOVE GRADE LEVEL
- AWG AMERICAN WIRE GAUGE
- PCW BARE COPPER WIRE
- BTS BASE TRANSCEIVER STATION
- (E) EXISTING
- MGB MAIN GROUND BAR
- MIN MINIMUM
- N.T.S. NOT TO SCALE
- REF REFERENCE
- RF RADIO FREQUENCY
- T.B.D. TO BE DETERMINED
- T.B.R. TO BE RESOLVED
- TYP TYPICAL
- REQ REQUIRED
- V.I.F. VERIFY IN FIELD
- (SC) SAW CUT



TOWER ELEVATION

SCALE: N.T.S. 2

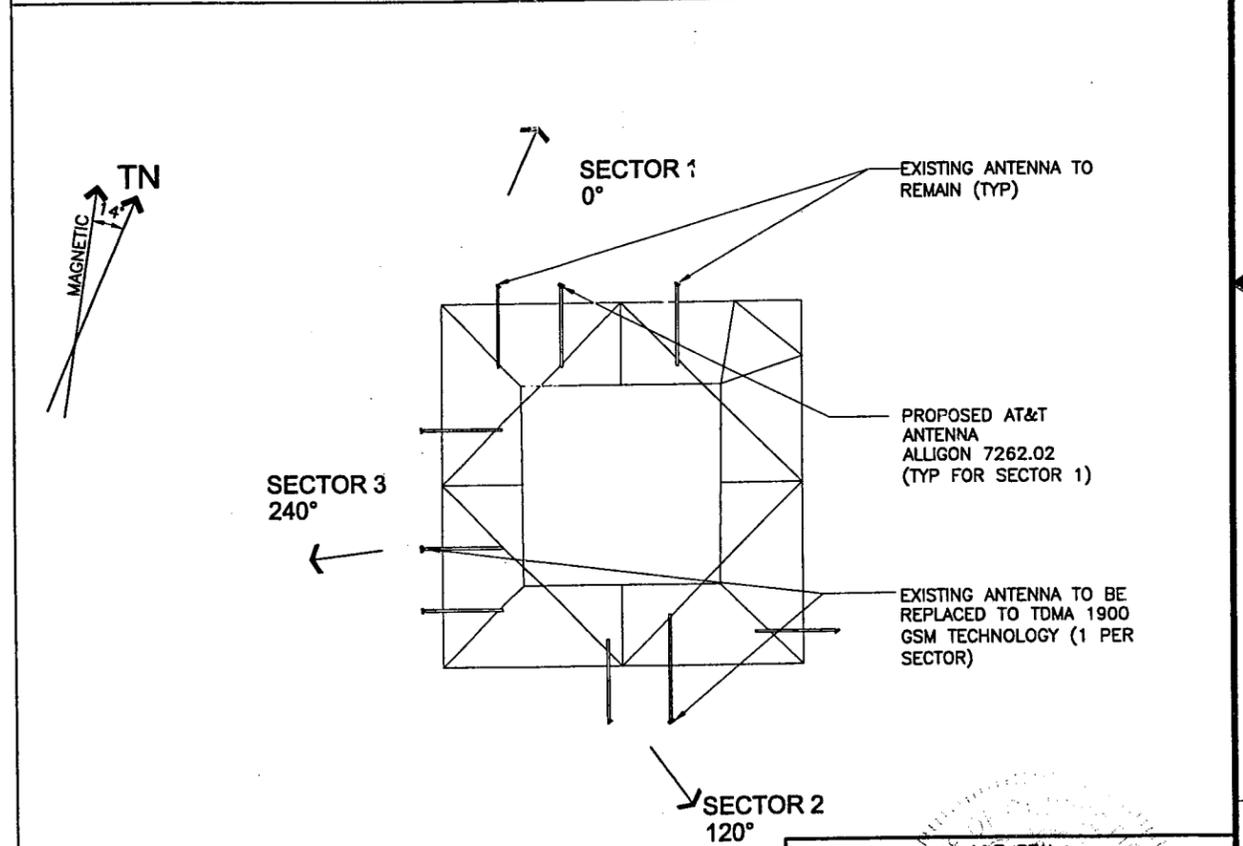


EXISTING TDMA ALLGON 7184.14
 GSM ALLGON 7262.02
 EXISTING TDMA ALLGON 7184.14
 EXISTING TDMA ALLGON 7184.13
 GSM ALLGON 7262.03
 EXISTING TDMA ALLGON 7184.13

TYP. FOR SECTOR 1
 TYP. FOR SECTORS 2&3

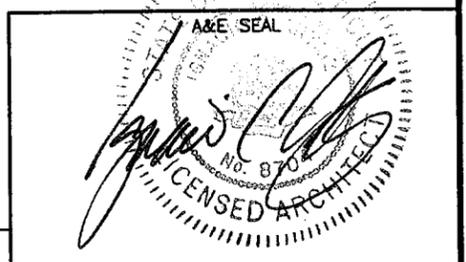
ANTENNA SCHEMATIC

SCALE: N.T.S. 3



NOTES:

1. PRIOR COORDINATION WITH AWS AND EXISTING TOWER OWNER IS REQUIRED BEFORE ANY WORK ON EXISTING OPERATING CELL SITE EQUIPMENT.



ANTENNA PLAN

SCALE: N.T.S. 1

URS CORPORATION AES
 795 BROOK STREET, BUILDING 5
 ROCKY HILL, CONNECTICUT
 1-(860)-529-8882
 URS JOB NUMBER: F302099.19

EAST NORWALK CT-017
 10 WILLARD ROAD
 NORWALK, CONNECTICUT 06851



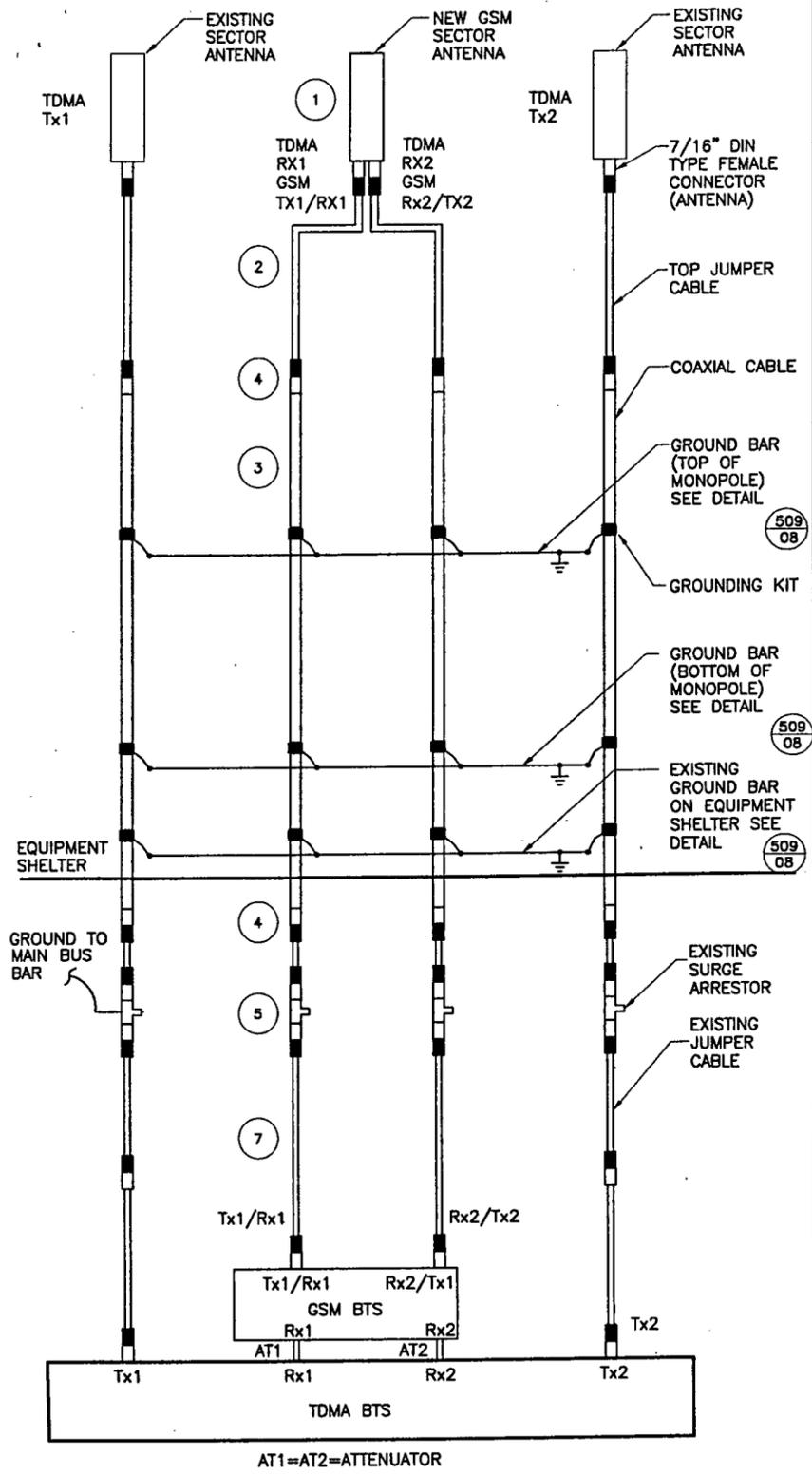
NO.	DATE	REVISIONS	BY	CHK	APP'D
0	09/26/01	ISSUED FOR CONSTRUCTION	RB		
A	08/27/01	90% REVIEW	JGB	ICA	

SCALE: AS NOTED DESIGNED: JGB DRAWN: JGB

EAST NORWALK
 EXISTING LATTICE TOWER/EQUIPMENT PAD

ANTENNA PLAN AND TOWER ELEVATION

JOB NO.	DRAWING NUMBER	REV
24623-313	CT-017-04	0



ITEM NO.	ITEM DESCRIPTION	SYS.	SECTOR 1 AZIMUTH 0°			SECTOR 2 AZIMUTH 120°			SECTOR 3 AZIMUTH 240°			TOTAL QUANTITY	SUPPLIED BY
			TX1	RX1/RX2	TX2	TX1	RX1/RX2	TX2	TX1	RX1/RX2	TX2		
			TDMA	RX1/TX1/RX2/TX2		RX1/TX1/RX2/TX2		RX1/TX1/RX2/TX2					
1	ANTENNA		EXISTING (TYP.)	7262.02 NEW (TYP.)	EXISTING (TYP.)	EXISTING (TYP.)	7262.03 NEW (TYP.)	EXISTING (TYP.)	EXISTING (TYP.)	7262.03 NEW (TYP.)	EXISTING (TYP.)	1+2	BECHTEL ✓
2	C/W DOWNTILT		EXISTING	AS IS	EXISTING	EXISTING	AS IS	EXISTING	EXISTING	AS IS	EXISTING	-	BECHTEL
2	ANTENNA JUMPER (ANDREW) (LENGTH)		EXISTING	L4A-PDMDM-6	EXISTING	EXISTING	L4A-PDMDM-6	EXISTING	EXISTING	L4A-PDMDM-6	EXISTING	-	BECHTEL
3	MAIN COAX (LENGTH)		EXISTING	1 5/8"ø (245 FEET) USE EXISTING + 1 NEW LDF7-50A	EXISTING	EXISTING	1 5/8"ø (245 FEET) USE EXISTING + 1 NEW LDF7-50A	EXISTING	EXISTING	1 5/8"ø (245 FEET) USE EXISTING + 1 NEW LDF7-50A	EXISTING	735' (1 5/8"ø)	BECHTEL ✓
4	UNATTACHED DIN CONNECTOR (ANDREW)		EXISTING	L7PDF-RPC	EXISTING	EXISTING	L7PDF-RPC	EXISTING	EXISTING	L7PDF-RPC	EXISTING	12	BECHTEL ✓
5	COAX SURGE ARRESTOR (ANDREW) APTDC-BDFDM-SAT		EXISTING	APTDC-OBDFDM-SAT	EXISTING	EXISTING	APTDC-OBDFDM-SAT	EXISTING	EXISTING	APTDC-OBDFDM-SAT	EXISTING	6	BECHTEL ✓
6	DUPLEXER (L-3 COMM)		-	-	-	-	-	-	-	-	-	-	-
7	SHELTER JUMPER		EXISTING	L4A-PDMDM-25	EXISTING	EXISTING	L4A-PDMDM-25	EXISTING	EXISTING	L4A-PDMDM-25	EXISTING	6	TBD
8	SHELTER JUMPER		-	-	-	-	-	-	-	-	-	-	-
9	DIPLEXER (L-3 COMM)		-	-	-	-	-	-	-	-	-	-	-
10	ATTENUATOR		-	-	-	-	-	-	-	-	-	-	-
	ID TAG		EXISTING	ALPHA A2/A3	EXISTING	EXISTING	BETA B2/B3	EXISTING	EXISTING	GAMMA C2/C3	EXISTING		
	COLOR CODE		EXISTING	2/3 RED	EXISTING	EXISTING	2/3 BLUE	EXISTING	EXISTING	2/3 GREEN	EXISTING		

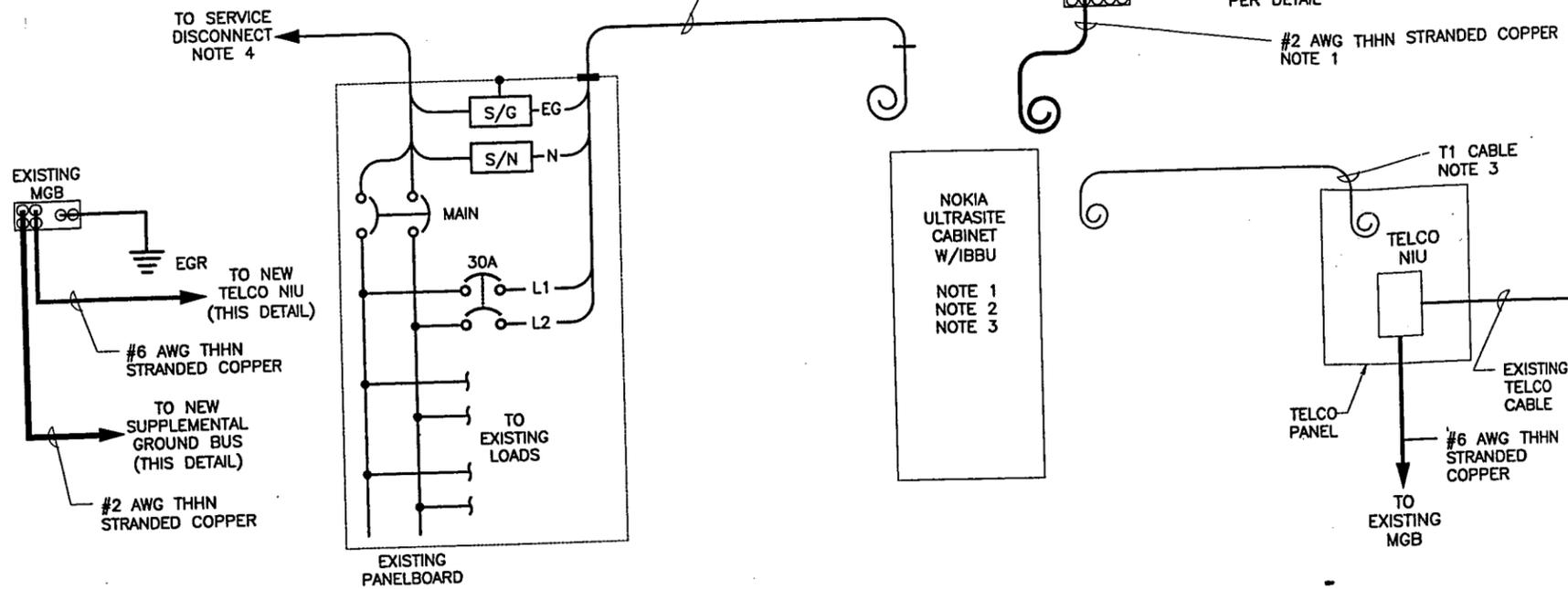
NOTES:

- SUBCONTRACTOR SHALL VERIFY THE ACTUAL LENGTH IN THE FIELD BEFORE INSTALLATION FOR ITEM 3 AND ITEM 7.
- TAG & COLOR CODE ALL MAIN CABLES AT LOCATIONS PER AWS TOWER/ANTENNA CABLE MARKING STANDARD:
TOP OF TOWER END OF MAIN COAX
BOTTOM OF TOWER SHELTER EXTERIOR AT CABLE ENTRY PORT
WAVE GUIDE PORT SHELTER INTERIOR AT CABLE ENTRY PORT
DIRECTLY BEFORE AND AFTER RF EQUIPMENT (DUPLEXERS, DIPLEXERS, ETC.)
END OF INTERIOR JUMPERS AT BTS EQUIPMENT
- ANTENNAS SHALL BE PROCURED AND INSTALLED WITH DOWNTILT MOUNTING BRACKETS SUPPLIED BY ANTENNA MANUFACTURER
- PRIOR APPROVAL IS REQUIRED BEFORE PERFORMING ANY WORK ON EXISTING CELL SITE EQUIPMENT
- WEATHER PROOFING AND GROUNDING KITS ARE PROVIDED BY SUBCONTRACTOR.
- RF DATA SHEET: 08/01/01 (REV #2)

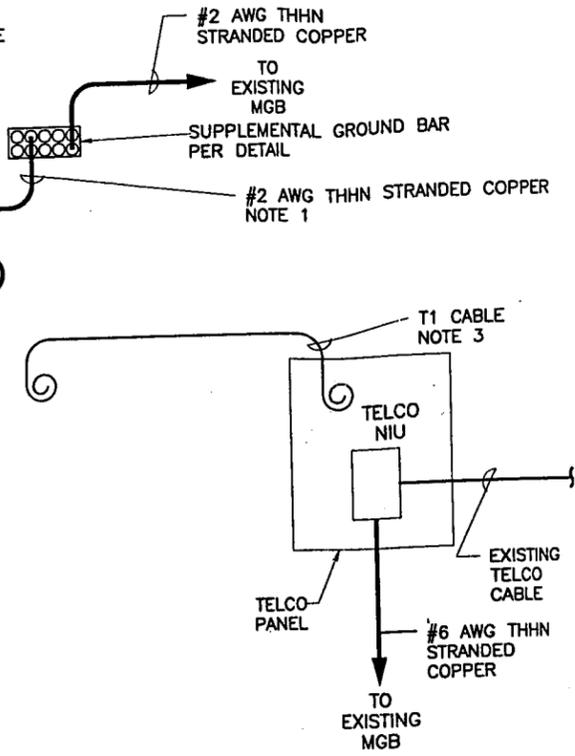
SECTORS 1, 2 & 3 ANTENNA CONFIGURATION
68_3/4 VDP SCHEMATIC

ANTENNA SCHEMATIC		SCALE: NONE	2	BILL OF MATERIAL (RF ITEMS AND CABLE INSTALLATION)				SCALE: NONE	1															
URS CORPORATION AES 795 BROOK STREET, BUILDING 5 ROCKY HILL, CONNECTICUT 1-(860)-529-8882 URS JOB NUMBER: F302099.19		EAST NORWALK CT-017 10 WILLARD ROAD NORWALK, CONNECTICUT 06851		 AT&T AT&T WIRELESS SERVICES, INC. 15 EAST MIDLAND AVENUE PARAMUS, NJ 07652		<table border="1"> <tr> <td>0</td> <td>09/26/01</td> <td>ISSUED FOR CONSTRUCTION</td> <td>RB</td> <td>AKB</td> </tr> <tr> <td>A</td> <td>08/27/01</td> <td>90% REVIEW</td> <td>JGB</td> <td>ICA</td> </tr> <tr> <td>NO.</td> <td>DATE</td> <td>REVISIONS</td> <td>BY</td> <td>CHK APP'D</td> </tr> </table>		0	09/26/01	ISSUED FOR CONSTRUCTION	RB	AKB	A	08/27/01	90% REVIEW	JGB	ICA	NO.	DATE	REVISIONS	BY	CHK APP'D	 EAST NORWALK EXISTING LATTICE TOWER/EQUIPMENT PAD BILL OF MATERIALS AND ANTENNA SCHEMATIC JOB NO. 24623-313 DRAWING NUMBER CT-017-05 REV 0	
0	09/26/01	ISSUED FOR CONSTRUCTION	RB	AKB																				
A	08/27/01	90% REVIEW	JGB	ICA																				
NO.	DATE	REVISIONS	BY	CHK APP'D																				

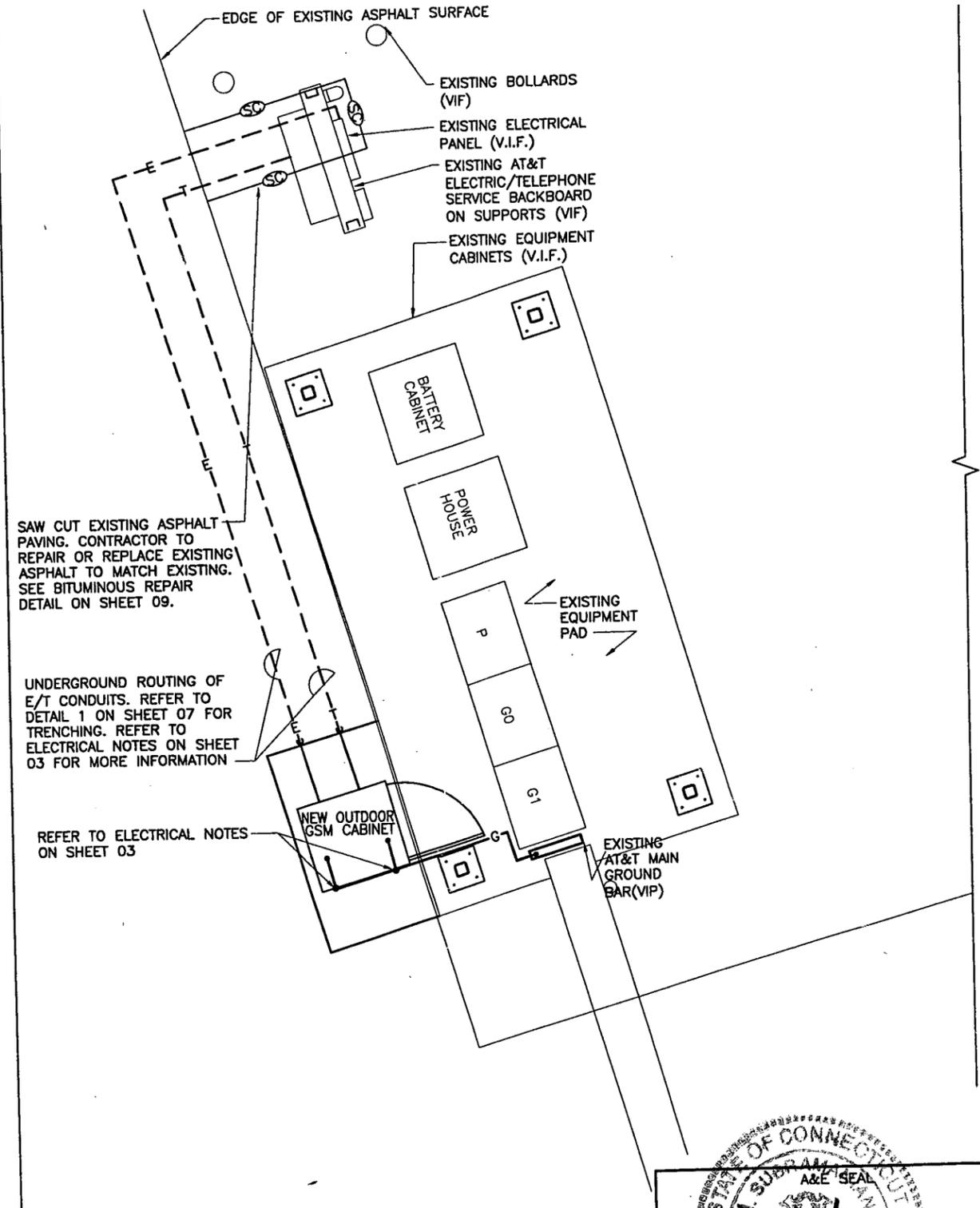
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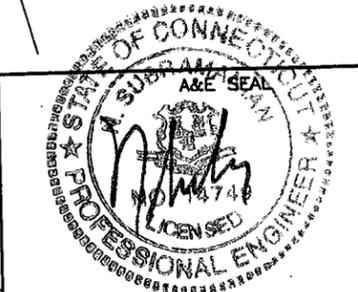
NOKIA
ULTRASITE
CABINET
W/IBBU
NOTE 1
NOTE 2
NOTE 3



- NOTES:
1. ROUTE #2 AWG SUPPLEMENTAL AC EQUIPMENT GROUND CONDUCTORS TO TOP OF NOKIA CABINET. CUT, COIL, AND TAPE TEN FOOT PIGTAIL FOR FUTURE CONNECTION BY NOKIA. SEE DETAIL No. 1015 SHEET 07 FOR ADDITIONAL INFORMATION.
 2. ROUTE BRANCH CIRCUITS TO TOP OF NOKIA POWER CABINET. TRANSITION RACEWAY FROM PVC/IMC TO LIQUID-TIGHT FLEX. CONDUIT WITHIN 6 FEET OF NOKIA CABINET. CUT, COIL, AND TAPE A 10 FOOT PIGTAIL (WITH 6 FEET OF LT. FLEX AND STRAIGHT LT. FLEX CONNECTOR) FROM END OF CONDUIT FOR FUTURE CONNECTION BY NOKIA.
 3. FURNISH AND INSTALL T1 TRANSPORT CABLE AS SHOWN IN DETAIL No. 1016 SHEET 07. CABLE TO BE INSTALLED WITH CONNECTORS ON BOTH ENDS AND PIGTAILED.
 4. FURNISH AND INSTALL NEW TVSS DEVICE AT SERVICE DISCONNECT (IF NOT PROVIDED) IN ACCORDANCE WITH NEC CODE.



- NOTES:
1. LABEL BREAKER, POWER AND T-1 CONNECTIONS.
 2. GSM INSTALLATION BY GSM VENDOR.



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POWER/TELCO/GROUNDING RISER

SCALE: N.T.S. 2

POWER/TELCO/GROUNDING PLAN

SCALE: N.T.S. 1

URS CORPORATION AES

795 BROOK STREET, BUILDING 5
ROCKY HILL, CONNECTICUT
1-(860)-529-8882

URS JOB NUMBER: F302099.19

EAST NORWALK
CT-017
10 WILLARD ROAD
NORWALK, CONNECTICUT 06851



AT&T WIRELESS SERVICES, INC.
15 EAST MIDLAND AVENUE
PARAMUS, NJ 07652

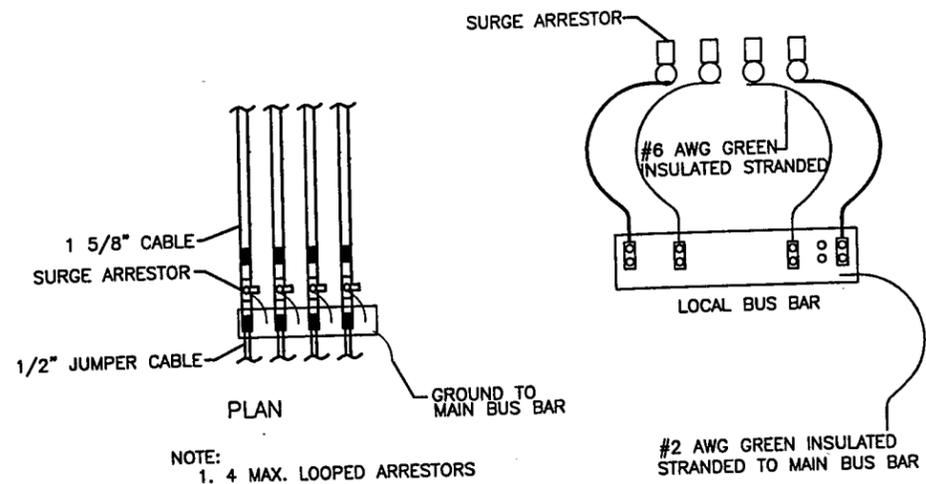
NO.	DATE	REVISIONS	BY	CHK	APP'D
0	09/28/01	ISSUED FOR CONSTRUCTION	RB	ICA	[Signature]
A	08/27/01	90% REVIEW	JGB	ICA	[Signature]

SCALE: AS NOTED DESIGNED: JGB DRAWN: JGB

EAST NORWALK
EXISTING LATTICE TOWER/EQUIPMENT PAD
POWER/TELCO/GROUNDING PLAN
AND RISER

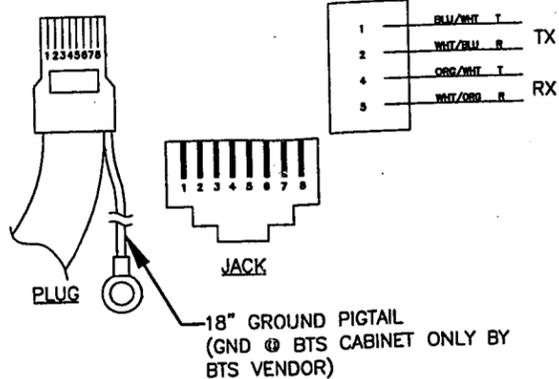
JOB NO.	DRAWING NUMBER	REV
24623-313	CT-017-06	0

11/17 PSC-



NOTE:
1. 4 MAX. LOOPED ARRESTORS

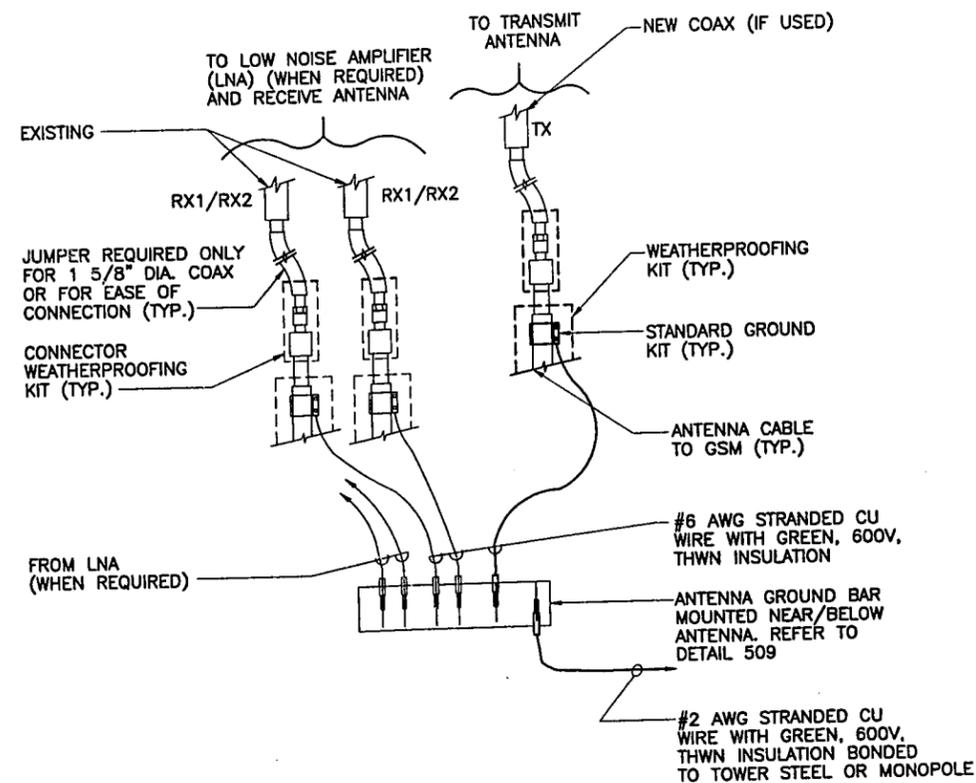
*VENDOR:
CDS DATACOM INC.
214-340-9199
INDOOR SINGLE ENDED P/N C00411450-XXX
INDOOR DOUBLED ENDED P/N C00411467-XXX
OUTDOOR SINGLE ENDED P/N C00411483-XXX
OUTDOOR DOUBLE ENDED P/N C00411484-XXX



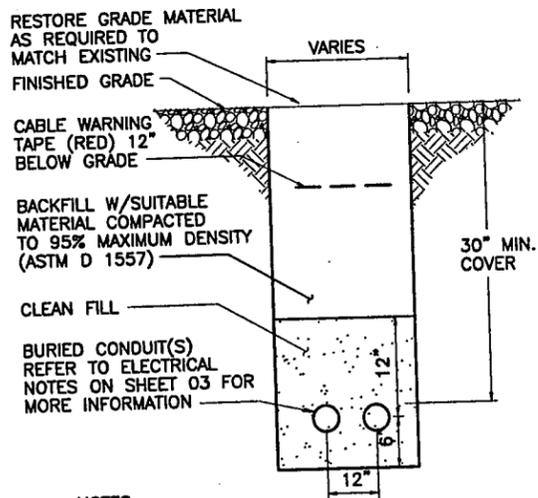
* RJ48C 8 PIN CONNECTOR
T1 CABLE MUST BE CDS DATACOM (NO SUBSTITUTION)

- NOTES:
1. THE CABLE IS SUITABLE FOR NOKIA ULTRA SITE GSM BTS.
 2. THE CABLE IS A STRAIGHT-THROUGH CABLE WITH IDENTICAL CONNECTOR PIN-OUT CONNECTION ON BOTH ENDS.

NOTE:
DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR

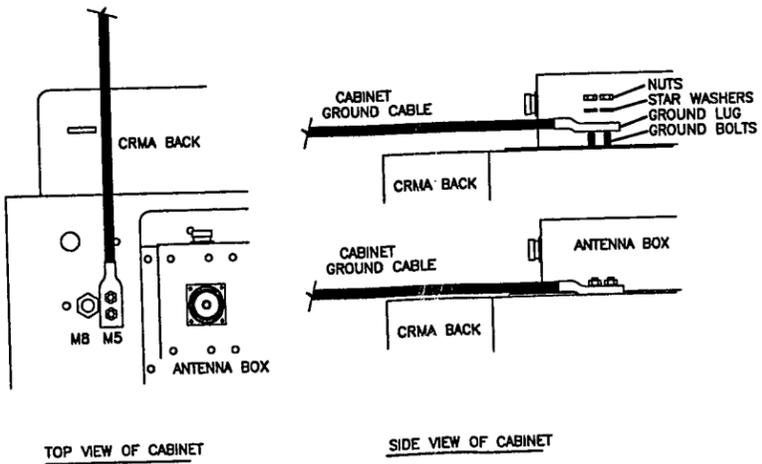


527- SURGE ARRESTOR GROUNDING DETAIL



- NOTES:
1. 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.
 2. WHERE EXISTING UTILITIES ARE LIKELY TO BE ENCOUNTERED, CONTRACTOR SHALL HAND DIG AND PROTECT EXISTING UTILITIES.

T1/PCM CONNECTOR PIN-OUT 1016



522A-CONNECTION OF GROUND WIRE TO GROUNDING BUS

TYPICAL ELECTRICAL & TELEPHONE TRENCH DETAIL

SCALE: 1 NTS

1015-NOKIA CABINET GROUNDING

SCALE: 2 NTS

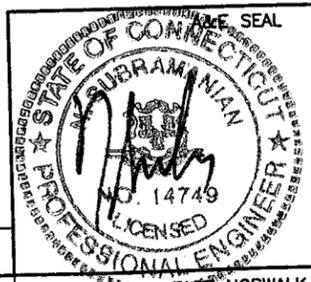
URS CORPORATION AES
795 BROOK STREET, BUILDING 5
ROCKY HILL, CONNECTICUT
1-(860)-529-8882
URS JOB NUMBER: F302099.19

EAST NORWALK CT-017
10 WILLARD ROAD
NORWALK, CONNECTICUT 06851

AT&T
AT&T WIRELESS SERVICES, INC.
15 EAST MIDLAND AVENUE
PARAMUS, NY 07652

NO.	DATE	REVISIONS	BY	CHK	APP'D
0	09/26/01	ISSUED FOR CONSTRUCTION	RB	JGB	ICA
A	08/27/01	90% REVIEW	JGB	ICA	

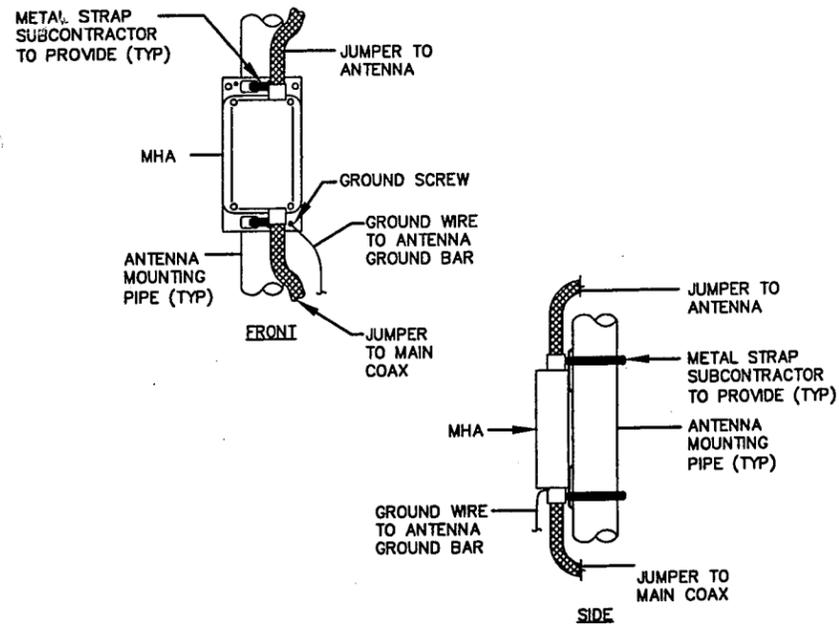
SCALE: AS NOTED DESIGNED: JGB DRAWN: JGB



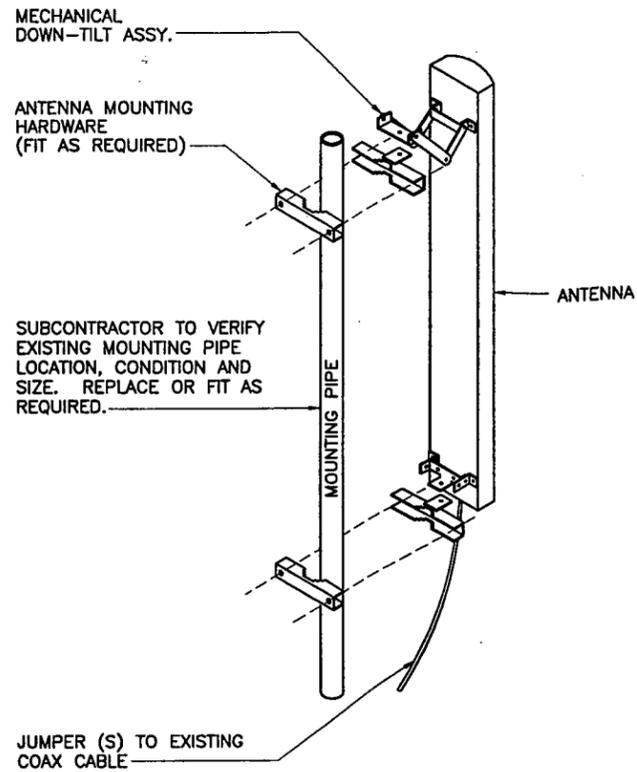
EAST NORWALK
EXISTING LATTICE TOWER/EQUIPMENT PAD
ELECTRICAL DETAILS

JOB NO.	DRAWING NUMBER	REV
24623-313	CT-017-07	0

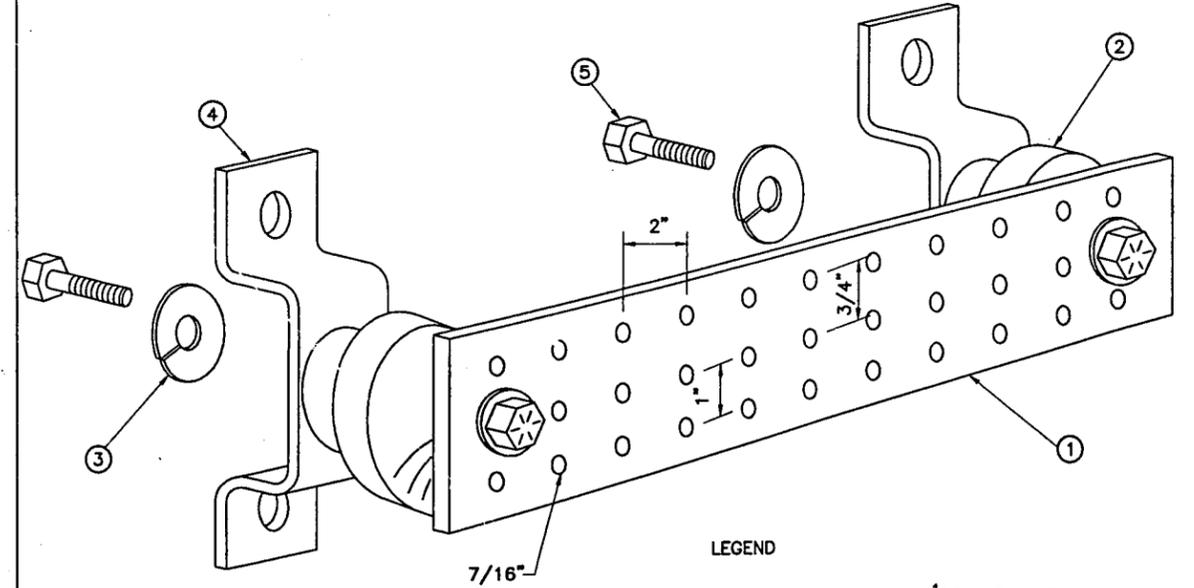
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804 MAST HEAD AMPLIFIER MOUNTING



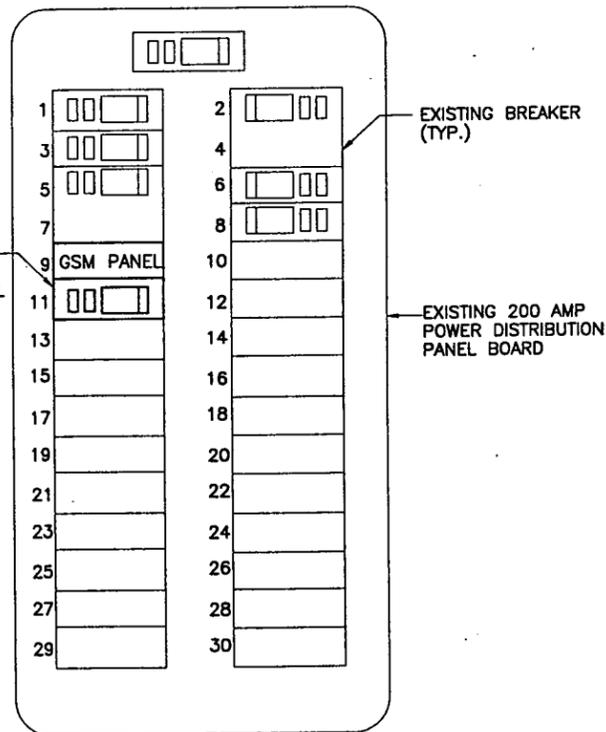
ANTENNA MOUNTING DETAIL



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.
- 2- INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4
- 3- 5/8" LOCKWASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8
- 4- WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT. NO. A-6056
- 5- 5/8-11 X 1" HHCS BOLTS, NEWTON INSTRUMENT CO. CAT. NO. 3012-1

509-GROUND BAR



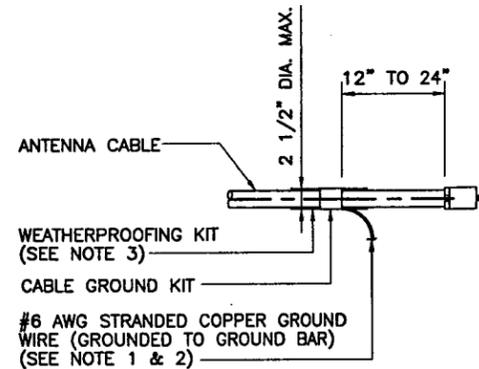
NEW 30A, DP BREAKER FOR NEW GSM PANEL. LABEL "GSM PANEL" (SEE ELECTRICAL NOTES ON SHEET 03).

NOTES:

1. INSTALL 30A-2P NEW BRANCH CIRCUIT BREAKER IN AVAILABLE POSITION AND FEED ONE (1) NEW GSM CABINET AND LABEL "GSM PANEL". REFER TO ELECTRICAL NOTES ON SHEET 03 FOR MORE INFORMATION. THE NEW BREAKER SHALL MATCH THE EXISTING TYPE BREAKERS AND AIC RATINGS.
2. SUBCONTRACTOR SHALL VERIFY IN THE FIELD AND ADJUST AS REQUIRED.

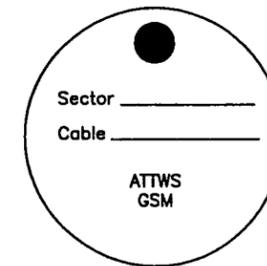
ELECTRICAL PANEL

SCALE: 1 NTS 513A-CONNECTION OF GROUND KIT TO COAX



CONNECTION OF CABLE GROUND KIT TO ANTENNA CABLE

- NOTE: 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.)



NOTE:

TAG SHALL BE MADE OF STEEL OR EQUIVALENT AND ATTACHED TO CABLE WITH CORROSION PROOF WIRE.

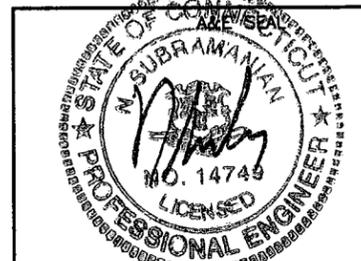
GSM LINE TAG

URS CORPORATION AES
795 BROOK STREET, BUILDING 5
ROCKY HILL, CONNECTICUT
1-(860)-529-8882
URS JOB NUMBER: F302099.19

EAST NORWALK CT-017
10 WILLARD ROAD
NORWALK, CONNECTICUT 06851

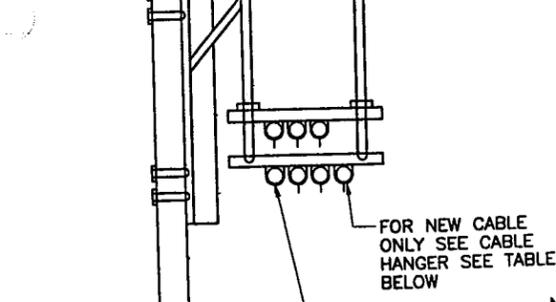
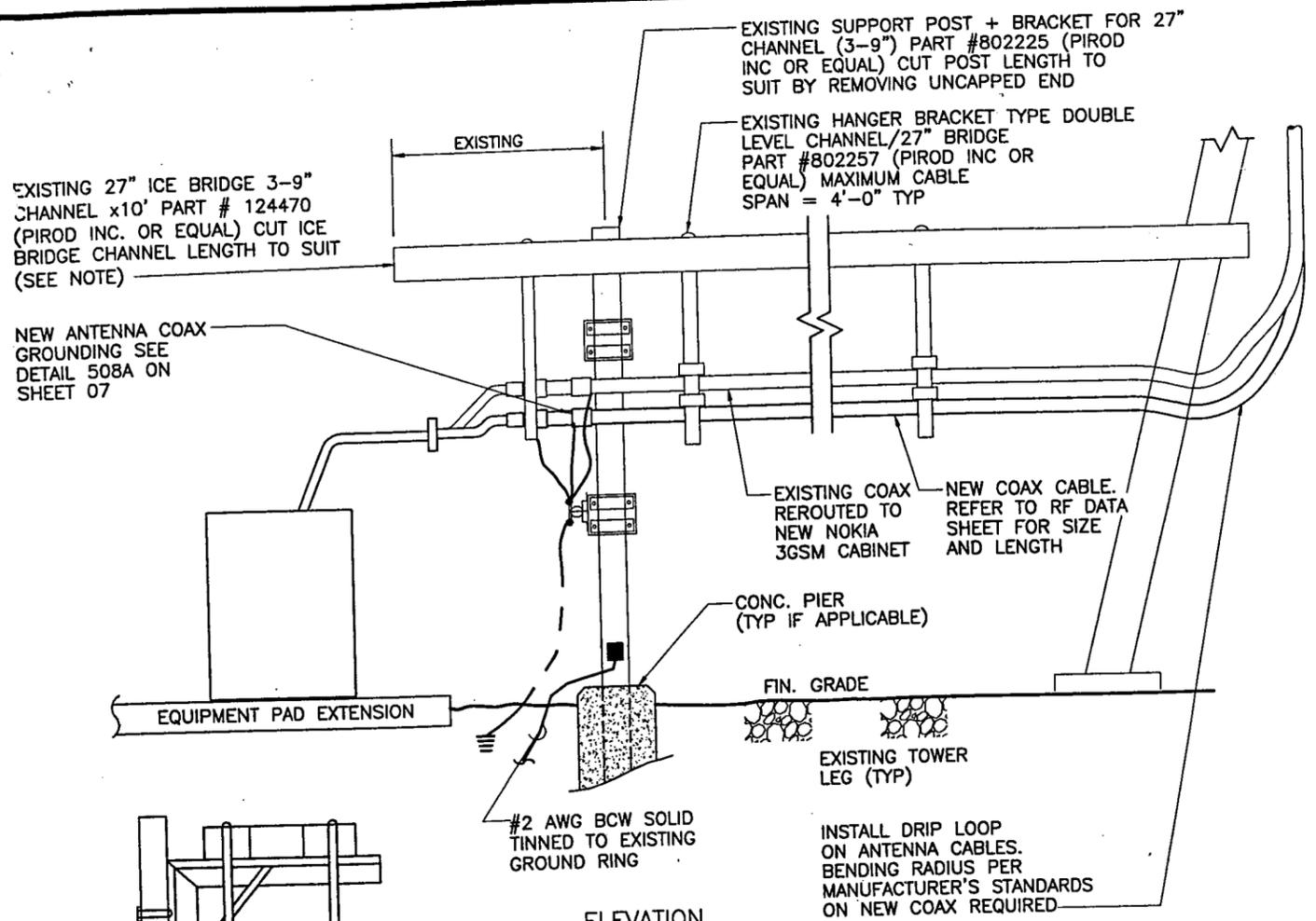
AT&T
AT&T WIRELESS SERVICES, INC.
15 EAST MIDLAND AVENUE
PARAMUS, NJ 07652

NO.	DATE	REVISIONS	BY	CHK	APP'D
0	09/26/01	ISSUED FOR CONSTRUCTION	RB	AA	MA
A	08/27/01	90% REVIEW	JGB	ICA	
SCALE: AS NOTED		DESIGNED: JGB	DRAWN: JGB		



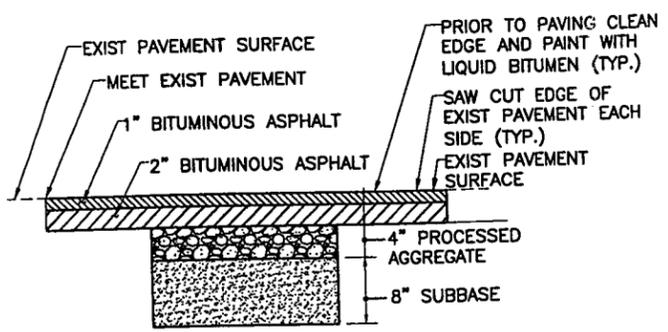
EAST NORWALK
EXISTING LATTICE TOWER/EQUIPMENT PAD
ELECTRICAL DETAILS

JOB NO.	DRAWING NUMBER	REV
24623-313	CT-017-08	0



NOMINAL CABLE SIZE	CABLE TYPE NUMBER	CABLE HANGER TYPE NUMBER	MANUF. MIN. BEND RADIUS
7/8"	LDF5-50A	206706-2	10"
1 1/4"	LDF6-50	206706-3	15"
1 5/8"	LDF7-50A	206706-4	20"

- NOTES:**
- WHEN USING PIROD COMPONENTS AS SHOWN IN STANDARD DETAILS, MAXIMUM ALLOWABLE SPAN BETWEEN SUPPORTS ON A CONTINUOUS SINGLE SECTION OF BRIDGE CHANNEL SHALL BE 19 FEET FOR 20 FEET BRIDGE CHANNEL OR 9 FEET FOR 10 FEET BRIDGE CHANNEL.
 - WHEN USING PIROD COMPONENTS 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.
 - WHEN USING PIROD COMPONENTS, SUPPORT SHOULD BE PROVIDED AS CLOSE AS POSSIBLE TO THE ENDS OF ICE BRIDGES, WITH A MAXIMUM CANTILVER 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.
 - ICE BRIDGES MAY BE CONSTRUCTED WITH COMPONENTS FROM MANUFACTURERS OTHER THAN PIROD, PROVIDED THE MANUFACTURER'S INSTALLATION GUIDELINES ARE FOLLOWED.
 - DEVIATIONS FROM STANDARDS FOR COMPONENT INSTALLATIONS ARE PERMITTED WITH THE RESPECTIVE MANUFACTURER'S APPROVAL.



NOTE:
REFER TO DETAIL # 1 ON SHEET 07 FOR ELECTRICAL AND TELCO TRENCHING DETAIL.

COAX CABLE DETAIL

SCALE: N.T.S. 2

BITUMINOUS REPAIR DETAIL

SCALE: N.T.S. 1

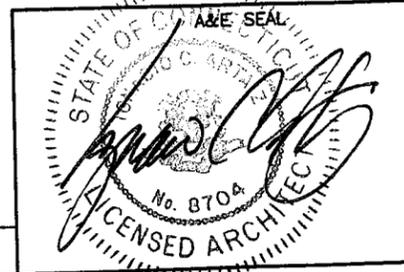
URS CORPORATION AES
795 BROOK STREET, BUILDING 5
ROCKY HILL, CONNECTICUT
1-(860)-529-8882
URS JOB NUMBER: F302099.19

EAST NORWALK CT-017
10 WILLARD ROAD
NORWALK, CONNECTICUT 06851

AT&T
AT&T WIRELESS SERVICES, INC.
15 EAST MIDLAND AVENUE
PARAMUS, NY 07652

NO.	DATE	REVISIONS	BY	CHK	APP'D
0	09/28/01	ISSUED FOR CONSTRUCTION	RB		
A	08/27/01	90% REVIEW	JGB	ICA	

SCALE: AS NOTED DESIGNED: JGB DRAWN: JGB



EAST NORWALK
EXISTING LATTICE TOWER/EQUIPMENT PAD
**COAX CABLE DETAIL/
BITUMINOUS REPAIR**

JOB NO. 24623-313 DRAWING NUMBER CT-017-09 REV 0

GENERAL NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:
CONTRACTOR - BECHTEL CORPORATION
SUBCONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)
OWNER - AT&T WIRELESS SERVICES.
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 DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
3. ALL WORK SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF NATIONAL, STATE, CITY, AND LOCAL CODES, STANDARDS, AND AMMENDMENTS.
4. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM INFORMATION AND DRAWINGS PROVIDED BY CONTRACTOR. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
5. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED.
6. ALL ITEMS OTHER THAN WHAT IS NOTED IN THE BILL OF MATERIALS WILL BE PROVIDED BY THE SUBCONTRACTOR.
7. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR.
8. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF SPECIFICATIONS LISTED BELOW.
9. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
10. FIELD ROUTE ALL CONDUITS, CABLES, ETC., AS REQUIRED. CONFIRM THE EXACT ROUTING WITH THE ON-SITE CONTRACTOR CONSTRUCTION MANAGER PRIOR TO THE START OF WORK.
11. ALL DAMAGE TO THE EXISTING STRUCTURE DURING THE CELL SITE UPGRADE MUST BE MADE GOOD TO THE PRE-CONSTRUCTION CONDITION OR BETTER.
12. REMOVE AND CLEAN UP ANY DEBRIS OR MATERIAL FROM THE SITE THROUGHOUT THE DURATION OF THE CONTRACT AND UPON COMPLETION OF THE WORK AS DIRECTED BY THE CONTRACTOR. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.

13. 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.
14. THIS CELL SITE IS IN FULL COMMERCIAL OPERATION. THE SUBCONTRACTOR IS NOT TO DISRUPT THE EXISTING SITES NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR AND SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
15. SINCE THIS 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.
16. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
17. ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS. ALL CONCRETING WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.
18. ALL STRUCTURAL STEEL WORK SHALL BE DONE IN ACCORDANCE WITH AISC SPECIFICATIONS.

RF NOTES:

1. RADIO SIGNAL CABLE SHALL BE SUPPORTED IN ACCORDANCE WITH THE CONNECTOR AND CABLE MANUFACTURERS INSTRUCTIONS. MANUFACTURERS RECOMMENDED CABLE SUPPORT ACCESSORIES SHALL BE USED.
2. THE OUTDOOR CABLE SUPPORT SYSTEM, IF REQUIRED, SHALL BE PROVIDED WITH AN ICE SHIELD TO SUPPORT AND PROTECT ANTENNA CABLE RUNS.
3. DRIP LOOPS SHALL BE REQUIRED. CABLES SHALL BE SLOPED AWAY FROM THE BUILDING TO PREVENT WATER FROM ENTERING THROUGH THE COAXIAL CABLE PORT.
4. WHEN MODIFYING EXISTING 2G TDMA COAXIAL CABLES AND ANTENNAS, REMOVE ALL EXISTING N TYPE CONNECTORS AND REPLACE WITH NEW 7/16 DIN STANDARD CONNECTORS.
5. ALL 7/16 DIN STANDARD CONNECTORS SHALL BE APPROVED, LISTED, OR LABELED FOR THEIR LOCATION. SUPPLEMENTAL WEATHER PROTECTION MATERIAL (E.G. 3M BRAND HEAT SHRINK OR COLD SHRINK TERMINAL KITS, OR APPROVED EQUAL) SHALL BE REQUIRED FOR ALL OUTDOOR CABLE CONNECTIONS.
6. ALL ANTENNA CONNECTIONS SHALL BE WATERPROOFED IN ACCORDANCE WITH THE CONNECTOR AND ANTENNA MANUFACTURERS INSTRUCTIONS.
7. ANTENNAS SHALL BE PAINTED, WHEN REQUIRED, TO MATCH EXISTING ANTENNAS IN ACCORDANCE WITH ANTENNA MANUFACTURERS SURFACE PREPARATION AND PAINTING REQUIREMENTS. ALLGON ANTENNAS SHALL USE ALLGON SYSTEM AB; ALLGON DOCUMENT NUMBER 990323/LL BALL ANTENNAS SHALL USE SPRAYLAT CORPORATION PRODUCTS PER BALL DRAWING NUMBER IN702194, REVISION R2.
8. APPROVED GROUNDING KITS, WHICH INCLUDE GROUNDING STRAPS, SHALL BE USED TO GROUND THE COAXIAL CABLE SHIELDS AND CONDUITS. THE GROUND CONDUCTORS FOR THE KITS AT THE TOP OF THE TOWER, AND IN THE MIDDLE SECTION OF THE TOWER, ARE BONDED DIRECTLY TO TOWER STEEL USING EXOTHERMIC, BOLTED OR APPROVED CLAMP CONNECTIONS.
9. ALL RADIO SIGNAL CABLE SHALL BE LABELED WITH COLOR CODED ELECTRICAL TAPE (3M SCOTCH 35, 7 MILS THICK, 1/2 INCH WIDE, VINYL ELECTRICAL TAPE, OR EQUAL) AND BRASS OR STAINLESS STEEL IDENTIFICATION TAGS AS SPECIFIED IN TAG DETAIL.
10. DUPLEXERS AND/OR DIPLEXERS AND MOUNTING HARDWARE (J CLAMPS) SHALL BE SUPPLIED BY CONTRACTOR AND INSTALLED BY THE SUBCONTRACTOR.
11. MHA (TO BE INSTALLED AT TOWER) SHALL BE SUPPLIED BY CONTRACTOR (WHERE NEEDED) AND INSTALLED BY THE SUBCONTRACTOR. WHERE LOW NOISE AMPLIFIER (LNA) WAS INDICATED IN BOM, REPLACE WITH MAST HEAD AMPLIFIER (MHA). IN ADDITION, INCLUDE A 1/2" CONNECTOR BARREL TYPE ADAPTOR (RFD-1653-2).
12. ANTENNA CIRCUIT SWEEP TESTING SHALL BE PERFORMED AND REPORTED IN ACCORDANCE WITH THE REQUIREMENTS OF AWS PROCEDURE NUMBER (LATER). CONTRACTOR WILL NOT ACCEPT A RADIO SIGNAL CABLE INSTALLATION WITH UNSATISFACTORY SWEEP TEST RESULTS.

REFERENCE SPECIFICATIONS:

1. 24623-033-3PS-A00Z-00001, EXHIBIT D, SCOPE OF WORK
2. 24623-033-SRA-A00Y-00001, EXHIBIT E, SPECIFICATIONS AND DRAWINGS

URS CORPORATION AES
795 BROOK STREET, BUILDING 5
ROCKY HILL, CONNECTICUT
1-(860)-529-8882
URS JOB NUMBER: F302099.19

EAST NORWALK CT-017
10 WILLARD ROAD
NORWALK, CONNECTICUT 06851

AT&T
AT&T WIRELESS SERVICES, INC.
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PARAMUS, NJ 07652

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A	08/27/01	90% REVIEW	JGB	ICA
NO.	DATE	REVISIONS	BY	CHK APP'D
SCALE: AS NOTED		DESIGNED: JGB	DRAWN: JGB	

A&E SEAL

EAST NORWALK
EXISTING LATTICE TOWER/EQUIPMENT PAD
GENERAL NOTES

JOB NO.	DRAWING NUMBER	REV
24623-313	CT-017-10	0

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Wireless Facilities, Inc.
 1840 Michael Faraday Drive
 Suite 200
 Reston, VA 20190

December 20, 2001

Mr. Mortimer A. Gelston, Chairman
 Connecticut Siting Council
 10 Franklin Square
 New Britain, CT 06051

RE: FCC Compliance Statement for AT&T Site CT-017 (East Norwalk)

Dear Ms. Gelston:

On behalf of AT&T Wireless, Wireless Facilities Inc. has performed in-field RF measurements and office analyses for the above referenced site to determine compliance with FCC mandated Maximum Permissible Exposure (MPE) limits as defined in 47 CFR § 1.1310.

The table below gives a brief summary of the site location, its configuration and associated technical parameters.

Summary of the site configuration and technical parameters:

Site ID	CT-017
Site Name	East Norwalk
Latitude	41.12805
Longitude	-73.38944
Address of structure	10 Willard Road Norwalk, CT 06854
Type of structure	Lattice Tower
Antenna structure owner	AT&T Wireless services
Address of antenna owner	15 East Midland Ave Paramus, NJ 07652
FCC class and Type of service	PCS TDMA (IS-136) PCS GSM
Operating frequency	D, E bands (PCS)
Azimuths	0,120,240
Elevation (ft)	225
Antenna manufacturer	Allgon
Antenna type	Panel

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where: S = Power density in W/m²
 EIRP = Effective isotropic radiated power (W)
 ERP = Effective radiated power (W)
 D = Distance in meters

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in μW/cm² is given by

$$S = \frac{33.4 * ERP}{D^2} \text{ (Section 2, OET bulletin 65).}$$

Where: S = Power density in μW/cm²
 ERP = Effective radiated power (W)
 D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	Point of Worst Case Predicted Level	Predicted Value μW/cm ²	Maximum Limit for the PCS Band Uncontrolled Environment Set by FCC μW/cm ²	% of the Standard
Current PCS TDMA configuration	440 feet away in front of the antenna	0.30	1000	0.03
Future PCS TDMA and GSM configuration	460 feet away in front of the antenna	0.32	1000	0.03

In addition to predictive analysis, on-site data was recorded at different locations around the lattice tower. In all areas, less than 4.85 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from the other carriers at that site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	Worst Case Measured Value $\mu\text{W}/\text{cm}^2$	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC $\mu\text{W}/\text{cm}^2$	% of the Standard
40 meters in front of sector 1	7.5	1000	0.75
100 meters in front of sector 2	10	1000	1.0
200 meters in front of sector 3	48.5	1000	4.85

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than 4.85 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.

Navid Nawab
Senior Director
Fixed Network Engineering

CUDDY & FEDER & WORBY LLP

90 MAPLE AVENUE
WHITE PLAINS, NEW YORK 10601-5196

(914) 761-1300

TELECOPIER (914) 761-5372/6405

www.cfww.com

500 FIFTH AVENUE
NEW YORK, NEW YORK 10110
(212) 944-2841
TELECOPIER (212) 944-2843

WESTAGE BUSINESS CENTER
300 SOUTH LAKE DRIVE
FISHKILL, NEW YORK 12524
(845) 896-2229
TELECOPIER (845) 896-3672

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NORWALK, CONNECTICUT

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WILLIAM S. NULL
DAWN M. PORTNEY
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DANIEL F. LEARY (also CT)
BARRY E. LONG

January 28, 2002

VIA FEDERAL EXPRESS

Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: AT&T Wireless - TS-AT&T-084-991213
111 School House Road, Milford, Connecticut
Notice of Exempt Modification



Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

On October 8, 1999 the Council ruled that AT&T's proposed shared use of the existing Sprint facility complied with Section 16-50aa of the Regulations of Connecticut State Agencies (TS-AT&T-084-991213) permitting AT&T to install up to twelve (12) panel antennas at the 125' level on the existing tower, with associated equipment cabinets located on a 8'6" x 14' concrete pad within an expanded fenced compound.

This notice of exempt modification is being provided pursuant to Section 16-50j-72 of the Council's regulations. AT&T will be replacing three existing antennas and installing an additional equipment cabinet (approximately 76"H x 76"W x 30"D) on AT&T's existing concrete pad at the facility. There will be no other infrastructure changes to AT&T's facility.

The proposed replacement antennas and addition of equipment to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d). The proposed modifications to AT&T Wireless' facility will not result in an increase in the Tower's height or extend the boundaries of the existing fenced

CUDDY & FEDER & WORBY LLP

January 28, 2002

Page 2

area surrounding the Tower. Further, there will be no increase in noise levels by six (6) decibels or more at the Tower site's boundary. AT&T made measurements of the existing facility to confirm compliance with MPE limits and as set forth in a report prepared by Wireless Facilities, Inc., annexed hereto, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes. For all the foregoing reasons, the proposed modifications to AT&T Wireless' existing facility constitutes an exempt modification which will not have a substantially adverse environmental effect.

AT&T Wireless respectfully submits that the proposed replacement antennas and addition of the equipment to the Schoolhouse Road Facility meets the Council's exemption criteria and requests an acknowledgment of same.

Respectfully Submitted,



Christopher B. Fisher, Esq.
On behalf of AT&T Wireless

cc: Mayor, City of Milford
Darryl Hendrickson, Bechtel Telecommunications



Wireless Facilities, Inc.
 1840 Michael Faraday Drive
 Suite 200
 Reston, VA 20190

January 2, 2002

Mr. Mortimer A. Gelston, Chairman
 Connecticut Siting Council
 10 Franklin Square
 New Britain, CT 06051

RE: FCC Compliance Statement for AT&T Site CT-098 (Milford Schoolhouse Rd-Sprint PCS)

Dear Mr. Gelston:

On behalf of AT&T Wireless, Wireless Facilities Inc. has performed in-field RF measurements and office analyses for the above referenced site to determine compliance with FCC mandated Maximum Permissible Exposure (MPE) limits as defined in 47 CFR § 1.1310.

The table below gives a brief summary of the site location, its configuration and associated technical parameters.

Summary of the site configuration and technical parameters:

Site ID	CT-098
Site Name	Milford- Schoolhouse Road-Sprint PCS
Latitude	41.2125
Longitude	-73.08722
Address of structure	111 School House Road Milford, CT
Type of structure	Monopole
Antenna structure owner	AT&T
Address of antenna owner	15 East Midland AVE Paramus, NJ 07652
FCC class and Type of service	PCS TDMA (IS-136), PCS GSM
Operating frequency	D, E bands (PCS)
Azimuths	30,150,270
Elevation (ft)	125
Antenna manufacturer	Dapa, Allgon
Antenna type	Panel

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where: S = Power density in W/m²
 EIRP = Effective isotropic radiated power (W)
 ERP = Effective radiated power (W)
 D = Distance in meters

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in μW/cm² is given by

$$S = \frac{33.4 * ERP}{D^2} \text{ (Section 2, OET bulletin 65).}$$

Where: S = Power density in μW/cm²
 ERP = Effective radiated power (W)
 D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	Point of Worst Case Predicted Level	Predicted Value μW/cm ²	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC μW/cm ²	% of the Standard
Current PCS TDMA configuration	1300 feet away in front of the antenna	0.42	1000	0.04
Future PCS TDMA and GSM configuration	1300 feet away in front of the antenna	0.58	1000	0.06

In addition to predictive analysis, on-site data was recorded at different locations around the monopole. In all areas, less than or equal to 0.425 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from the other carriers at that site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	Worst Case Measured Value $\mu\text{W}/\text{cm}^2$	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC $\mu\text{W}/\text{cm}^2$	% of the Standard
5 meters in front of sector 1	4.25	1000	0.425
10 meters in front of sector 2	0.9	1000	0.09
20 meters in front of sector 3	2.75	1000	0.275

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than or equal to 0.425 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.

Dan Hardiman
Senior Engineer II
Fixed Network Engineering

CUDDY & FEDER & WORBY LLP

90 MAPLE AVENUE
WHITE PLAINS, NEW YORK 10601-5196

(914) 761-1300

TELECOPIER (914) 761-5372/6405

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500 FIFTH AVENUE
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(212) 944-2841
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BARRY E. LONG

January 28, 2002

VIA FEDERAL EXPRESS

Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: AT&T Wireless - EM-AT&T-107-991213
525 Orange Center Road, Orange, Connecticut
Notice of Further Exempt Modification



Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

Crown Atlantic Company LLC ("Crown") holds the Siting Council certificate for the existing communications tower and related facility located at 525 Orange Center Road, Orange, Connecticut (Docket No. 177A). On December 20, 1999 AT&T Wireless ("AT&T"), received the Council's acknowledgement of a notice to modify the existing facility pursuant to Section 16-50j-72 of the Regulations of Connecticut State Agencies (EM-AT&T-107-991213) permitting AT&T to install up to twelve (12) panel antennas at the 111' level on the existing tower, with associated equipment cabinets located on a 14' x 8'-6" concrete pad within the fenced compound.

This notice of further exempt modification is also being provided pursuant to Section 16-50j-72 of the Council's regulations. In order for AT&T to install an additional equipment cabinet (approximately 76"H x 76"W x 30"D) at the facility, the existing concrete pad must be extended. AT&T proposes to add an 8'-7" x 6' poured concrete pad to the existing pad within the existing fenced compound. See plans prepared by URS Corporation annexed hereto as Exhibit 1. There will be no other infrastructure changes to AT&T's facility.

CUDDY & FEDER & WORBY LLP

January 28, 2002

Page 2

The proposed addition of an equipment cabinet and associated concrete pad to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d). The proposed addition to AT&T Wireless' facility will not result in an increase in the Tower's height or extend the boundaries of the existing fenced area surrounding the Tower. Further, there will be no increase in noise levels by six (6) decibels or more at the Tower site's boundary. AT&T made measurements of the existing facility to confirm compliance with MPE limits and as set forth in a report prepared by Wireless Facilities, Inc., annexed hereto as Exhibit 2, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes. For all the foregoing reasons, addition of AT&T Wireless' cabinet to its existing facility constitutes an exempt modification which will not have a substantially adverse environmental effect.

AT&T Wireless respectfully submits that the proposed extension of the existing equipment pad and addition of the cabinet to the Orange Center Road Facility meets the Council's exemption criteria and requests an acknowledgment of same.

Respectfully Submitted,



Christopher B. Fisher, Esq.
On behalf of AT&T Wireless

cc: First Selectman, Town of Orange
Darryl Hendrickson, Bechtel Telecommunications
Kenneth C. Baldwin, Robinson & Cole



AT&T

AT&T WIRELESS SERVICES, INC.

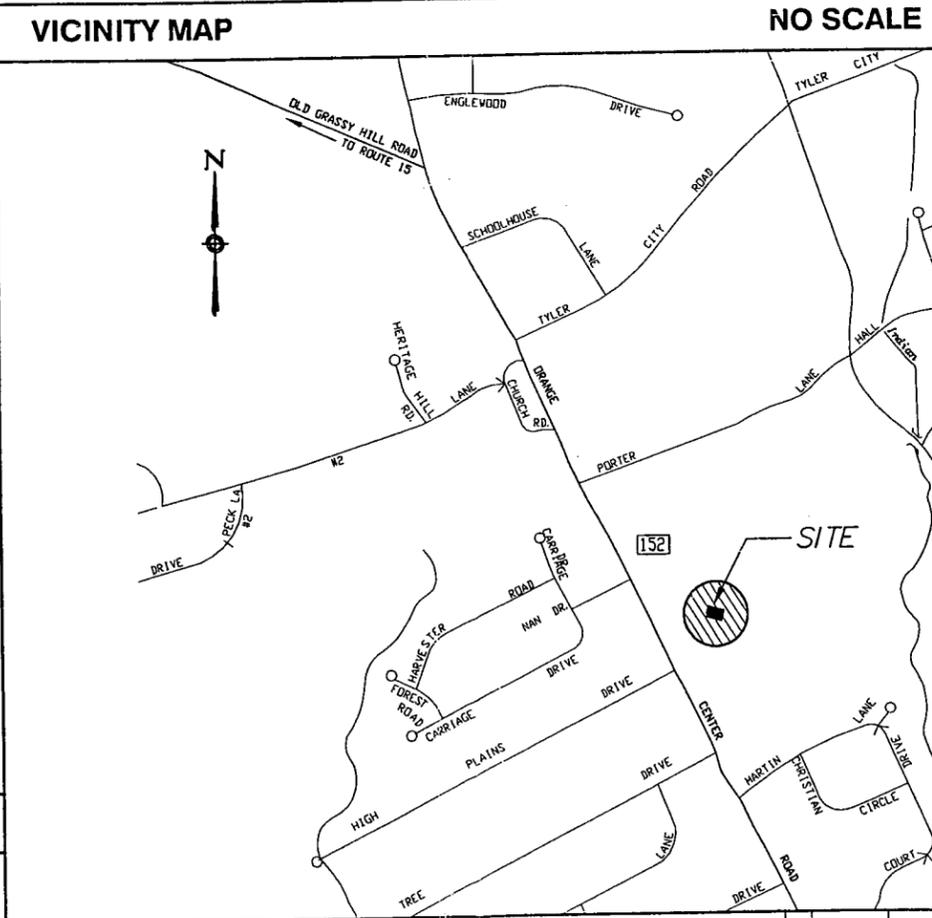
SITE NUMBER: CT-158

SITE NAME: ORANGE CENTER-CROWN ATLANTIC MONOPOLE

Status	DOCUMENT REVIEW STATUS
1	Issue for Use
2	
3	
Review design materials does not relieve contractual obligations	
approval of methods or supplier. It also complying with	
Reviewed By:	
Date:	8/6/01

DRAWING INDEX	REV.
24623-313-CT-158-01 TITLE SHEET	0
24623-313-CT-158-02 SITE PLAN	0
24623-313-CT-158-03 EQUIPMENT LAYOUT PLAN AND GENERAL NOTES	0
24623-313-CT-158-04 ANTENNA PLAN AND TOWER ELEVATION	0
24623-313-CT-158-05 BILL OF MATERIALS AND ANTENNA SCHEMATIC	0
24623-313-CT-158-06 POWER/TELCO/GROUNDING PLAN	0
24623-313-CT-158-07 ELECTRICAL DETAILS	0
24623-313-CT-158-08 ELECTRICAL DETAILS	0

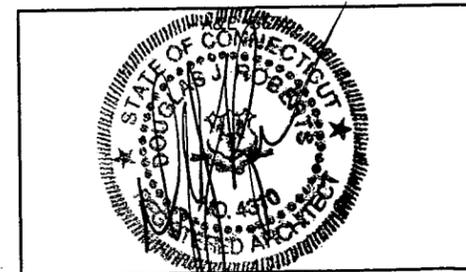
DIRECTIONS
 TAKE ROUTE 17 NORTH TO RIDGEWOOD AVE. FOLLOW RIDGEWOOD AVENUE TO THE GARDEN STATE PARKWAY GET ON GOING NORTH. STAY ON THE GARDEN STATE PARKWAY NORTH UNTIL YOU GET TO THE NEW YORK STATE THRUWAY(RT. 87 SOUTH) TOWARDS THE TAPPEN ZEE BRIDGE AND GET OFF AT EXIT B(CROSS WESTCHESTER PARKWAY/RT. 287) EAST TO I-95 NORTH(NEW ENGLAND THRUWAY). FOLLOW I-95 TO EXIT 39B. WHEN YOU LOOP ONTO RT-1 GO 2.1 MILES AND TURN LEFT ONTO ORANGE CENTER RD.(RT-152). FOLLOW THIS 1 MILE AND TURN RIGHT ONTO THE FIRST DRIVEWAY AT HIGH PLAINS COMMUNITY CENTER. DRIVE ALONG POWER LINES TO THE BACK AND YOU WILL SEE MONOPOLE.



PROJECT INFORMATION	
SCOPE OF WORK:	WIRELESS TELECOMMUNICATIONS FACILITY 3G EQUIPMENT UPGRADE
SITE ADDRESS:	525 ORANGE CENTER ROAD ORANGE, CT 06477
PROPERTY OWNER:	TOWN OF ORANGE 617 ORANGE CENTER RD. ORANGE, CT 06477
PROPERTY LESSEE:	AT&T WIRELESS PCS LLC 15 EAST MIDLAND AVENUE PARAMUS, NJ 07652 (203)-891-2122 A.W. CHARENZELI, MAINTENACE
CONTACT:	06-6002060
TAX ID.:	11550, MAP 41, BLOCK 5 PARCEL NO. 16-1
ZONING:	
LATITUDE:	41.27333
LONGITUDE:	-73.01888
ELEVATION:	196' AMSL
JURISDICTION:	TOWN OF ORANGE
CURRENT USE:	TELECOMMUNICATIONS FACILITY
PROPOSED USE:	TELECOMMUNICATIONS FACILITY
LOCATION:	OUTSIDE EQUIPMENT PAD/MONOPOLE
RF DATA SHEET:	7/26/01 (REV 1)

CONTACT INFORMATION	
ARCHITECT/ENGINEER	RF ENGINEER
URS CORPORATION AES 795 BROOK STREET, BUILDING 5 ROCKY HILL, CT 06067 PHONE: (860) 529-8882 FAX: (860) 529-5566	TONY HOUWELLING (973) 386-8621
GENERAL CONTRACTOR	

STRUCTURAL REVIEW
 EXISTING ANTENNA AND EQUIPMENT SUPPORT STRUCTURE HAVE BEEN EVALUATED FOR THE REPLACEMENT/ADDITION OF ANTENNA AND COAX CABLES AND NO MODIFICATIONS TO THE ANTENNA AND SUPPORT STRUCTURE ARE REQUIRED.



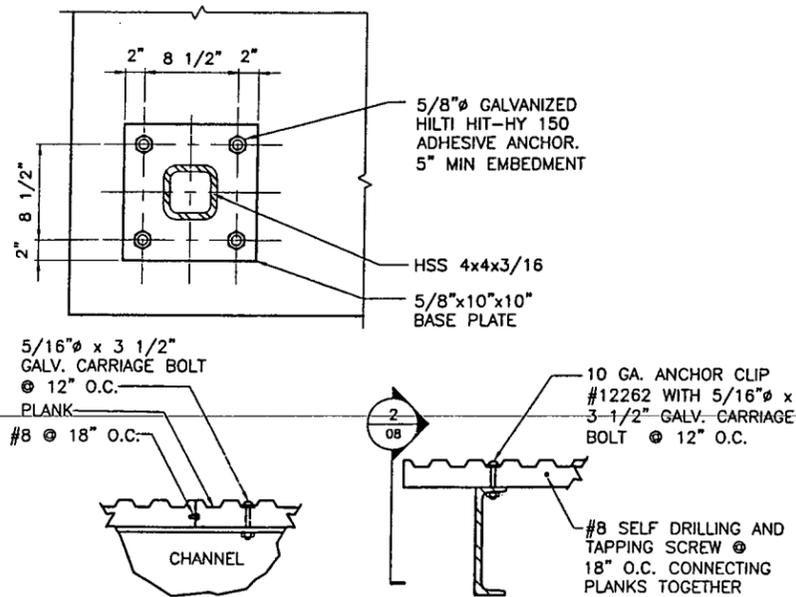
URS CORPORATION AES
 795 BROOK STREET, BUILDING 5
 ROCKY HILL, CONNECTICUT
 1-(860)-529-8882
 URS JOB NUMBER: F302099.39

ORANGE CENTER-CROWN ATLANTIC MONOPOLE
 CT-158
 525 ORANGE CENTER ROAD
 ORANGE, CONNECTICUT

AT&T
 AT&T WIRELESS PCS LLC
 15 EAST MIDLAND AVENUE
 PARAMUS, NJ 07652

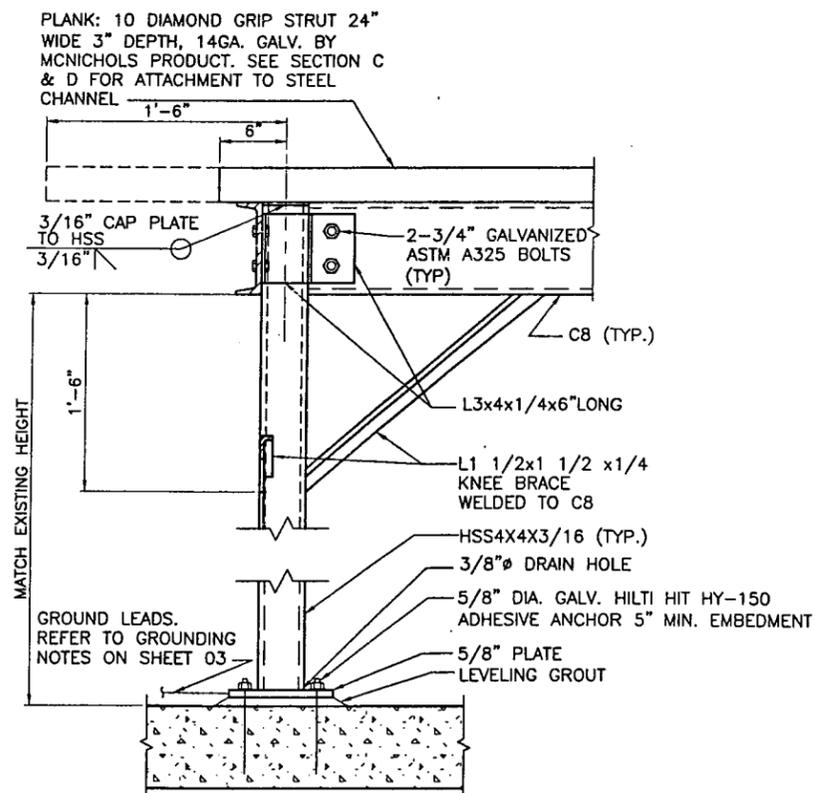
NO.	DATE	REVISIONS	BY	CHK	APP'D
0	09/04/01	ISSUED FOR CONSTRUCTION	SR	ICA	JW
SCALE: AS NOTED DESIGNED: JGB DRAWN: JPN					

ORANGE CENTER-CROWN ATLANTIC MONOPOLE EXISTING MONOPOLE/EXTERIOR EQUIPMENT		
TITLE SHEET		
JOB NO.	DRAWING NUMBER	REV
24623-313	CT-158-01	0



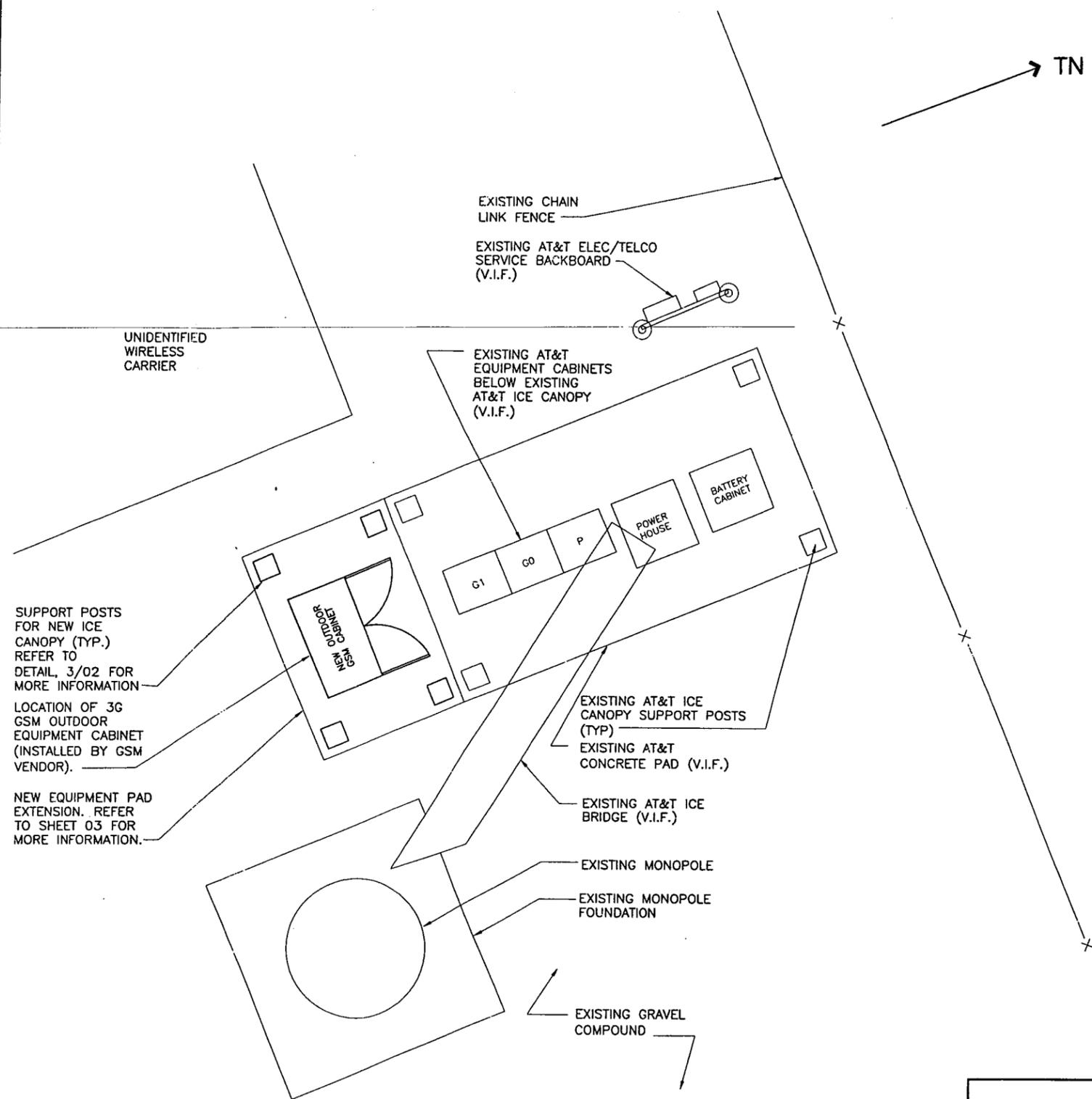
TYPICAL ICE CANOPY DETAILS

SCALE: N.T.S. 2



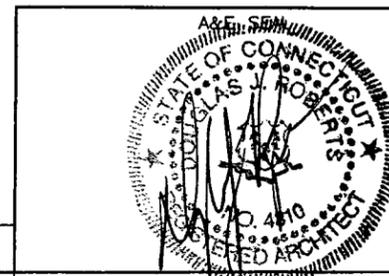
SUPPORT POST FOR ICE CANOPY DETAIL

SCALE: N.T.S. 3



SITE PLAN

SCALE: N.T.S. 1



ORANGE CENTER-CROWN ATLANTIC MONOPOLE EXISTING MONOPOLE/EXTERIOR EQUIPMENT

SITE PLAN

JOB NO. 24623-313 DRAWING NUMBER CT-158-02 REV 0

URS CORPORATION AES
795 BROOK STREET, BUILDING 5
ROCKY HILL, CONNECTICUT
1-(860)-529-8882
URS JOB NUMBER: F302099.39

ORANGE CENTER-CROWN ATLANTIC MONOPOLE CT-158
525 ORANGE CENTER ROAD
ORANGE, CONNECTICUT

AT&T
AT&T WIRELESS PCS LLC
15 EAST MIDLAND AVENUE
PARAMUS, NJ 07652

NO.	DATE	REVISIONS	BY	CHK	APP'D
0	09/04/01	ISSUED FOR CONSTRUCTION	SR	ICA	[Signature]

SCALE: AS NOTED DESIGNED: JGB DRAWN: JPN

GENERAL NOTES:

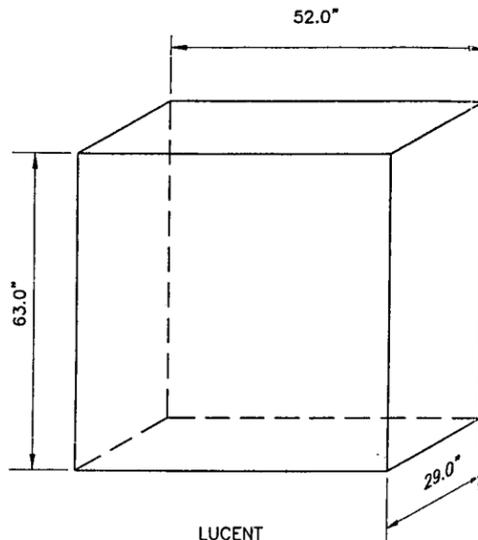
1. ALL WORK SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF NATIONAL, STATE, CITY AND LOCAL CODES, STANDARDS AND AMENDMENTS.
2. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM INFORMATION AND DRAWINGS PROVIDED BY BECHTEL. SUBCONTRACTOR SHALL NOTIFY THE BECHTEL CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
3. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED.
4. ALL ITEMS OTHER THAN WHAT IS NOTED IN THE BILL OF MATERIALS FOR ANTENNAS, WILL BE PROVIDED BY THE SUBCONTRACTOR.
5. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE BECHTEL CONSTRUCTION MANAGER.
6. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF SPECIFICATIONS LISTED BELOW.
7. FIELD ROUTE ALL CONDUITS, CABLES, ETC. AS REQUIRED. CONFIRM THE EXACT ROUTING WITH THE ON-SITE BECHTEL CONSTRUCTION MANAGER PRIOR TO THE START OF WORK.
8. ALL DAMAGE TO THE EXISTING STRUCTURE DURING THE CELL SITE UPGRADE MUST BE MADE GOOD TO THE PRE-CONSTRUCTION CONDITION OR BETTER.
9. REMOVE AND CLEAN UP ANY DEBRIS OR MATERIAL FROM THE SITE THROUGHOUT THE DURATION OF THE CONTRACT UPON COMPLETION OF THE WORK AS DIRECTED BY THE BECHTEL CONSTRUCTION MANAGER.
10. THIS CELL SITE IS IN FULL COMMERCIAL OPERATION, THE SUBCONTRACTOR IS NOT TO DISRUPT THE EXISTING SITES NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH BECHTEL AND AWS AND SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT. SINCE THIS 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.

REFERENCE SPECIFICATIONS:

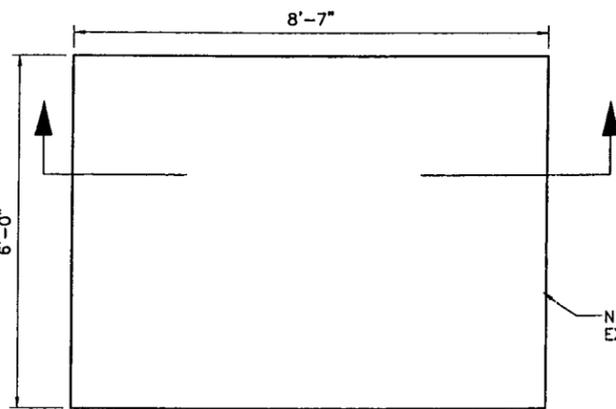
1. 23-033-3PS-A00Z-00002, SCOPE OF WORK (EXHIBIT "D") FOR GENERAL CONSTRUCTION SERVICES.
2. 24623-033-3PS-A00Z-0005, (EXHIBIT "E") FOR GENERAL CONSTRUCTION SERVICES.

ELECTRICAL NOTES:

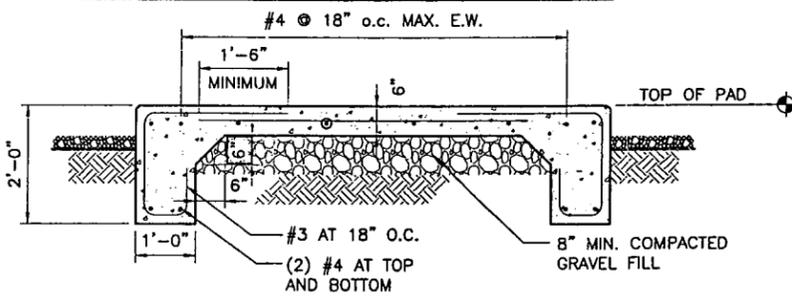
1. **POWER:**
SUBCONTRACTOR SHALL PROVIDE AND INSTALL ONE (1) 80A-2P BRANCH CIRCUIT BREAKER IN EXISTING AT&T POWER DISTRIBUTION PANEL IN AVAILABLE POSITION. PROVIDE TWO (2) #4 AWG AND ONE (1) #4 AWG (NEUTRAL) AND ONE (1) #4 AWG, GROUND IN 1" GRC FROM EXISTING AT&T DISTRIBUTION PANEL TO NEW 3G, GSM OUTDOOR CABINET. REFER TO SHEET 06 FOR ROUTING CONDUIT AND LOCATION OF EQUIPMENT. ROUTE CONDUIT UNDERGROUND TO EQUIPMENT PAD EXTENSION, STUB UP CONDUIT AND CONTINUE ROUTING ON EQUIPMENT PAD TO 3G GSM CABINET. FINAL TERMINATION OF WIRES WILL BE MADE BY LUCENT. REFER TO SHEET 08 (DETAIL 1) FOR CIRCUITING.
2. **TELCO:**
SUBCONTRACTOR SHALL PROVIDE (1.5 MBIT/S) CAT 5E, T-1 TELEPHONE CABLE IN 1" GRC FROM EXISTING TELCO BOX TO NEW 3G, GSM OUTDOOR CABINET. REFER TO SHEET 06 FOR ROUTING CONDUIT AND LOCATION OF EQUIPMENT. ROUTE CONDUIT UNDERGROUND TO EQUIPMENT PAD EXTENSION, STUB UP CONDUIT AND CONTINUE ROUTING ON EQUIPMENT PAD TO 3G GSM CABINET. FINAL TERMINATION OF WIRES WILL BE MADE BY LUCENT.
3. **GROUND:**
SUBCONTRACTOR SHALL PROVIDE #2 AWG STRANDED COPPER WIRE FOR GROUNDING THE LUCENT GSM CABINET FRAMES TO EXISTING GROUND RING. CONNECTION TO CABINET WILL BE MADE BY LUCENT. EXISTING GROUND BAR (IF CONVENIENTLY LOCATED) CAN BE USED FOR EQUIPMENT GROUNDING. 2 GROUND CONNECTIONS TO BE PROVIDED GROUND CONOPY. EXTENSION SUPPORT POSTS TO EXISTING AT&T MAIN GROUND BAR WITH #2 AWG, BCW. REFER TO SHEET 06 FOR MORE INFORMATION. WITH #2 AWG, BCW. REFER TO SHEET 06 FOR MORE INFORMATION.



LUCENT EXTERIOR CABINET NTS



NEW CONCRETE EXTENSION PAD



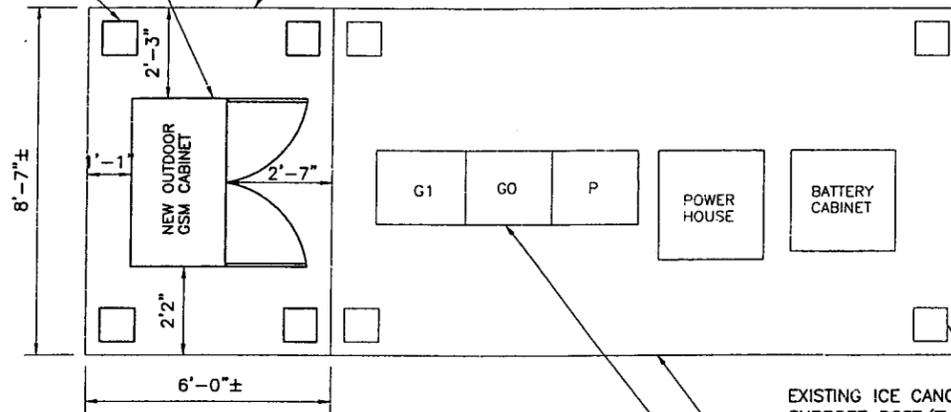
EQUIPMENT PAD EXTENSION DETAIL NTS

NOTES:

1. GRAVEL SHALL BE NATURAL OR CRUSHED GRAVEL WITH 100 PERCENT PASSING 1 INCH SIEVE.

LOCATION OF NEW 3G GSM OUTDOOR EQUIPMENT CABINET ON NEW EXTENSION PAD (INSTALLED BY GSM VENDOR). REFER TO SHEET 06 FOR MORE INFORMATION
NEW AT&T CANOPY EXTENSION SUPPORT POSTS.(TYP.) REFER TO SHEET 02.

NEW EQUIPMENT PAD EXTENSION. SEE PAD DETAIL THIS SHEET



EXISTING ICE CANOPY SUPPORT POST.(TYP.)
EXISTING EQUIPMENT PAD

EXISTING LUCENT EQUIPMENT CABINETS. (V.I.F.)

NOTES:

1. ALL DIMENSIONS TO BE VERIFIED IN FIELD.
2. VERIFY LOCATIONS OF ALL ELECTRICAL EQUIPMENT IN FIELD.
3. MAINTAIN MINIMUM CLEARANCES BETWEEN CABINETS AND SURROUNDING BUILDING PARTS/CABINETS.
4. REFER TO SITE PLAN FOR ORIENTATION.

GENERAL NOTES

SCALE: 2
N.T.S.

EQUIPMENT LAYOUT PLAN

SCALE: 1
N.T.S.

URS CORPORATION AES

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ROCKY HILL, CONNECTICUT
1-(860)-529-8882
URS JOB NUMBER: F302099.39

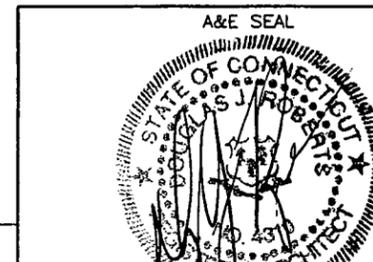
ORANGE CENTER-CROWN ATLANTIC MONOPOLE
CT-158

525 ORANGE CENTER ROAD
ORANGE, CONNECTICUT



AT&T WIRELESS PCS LLC
15 EAST MIDLAND AVENUE
PARAMUS, NJ 07652

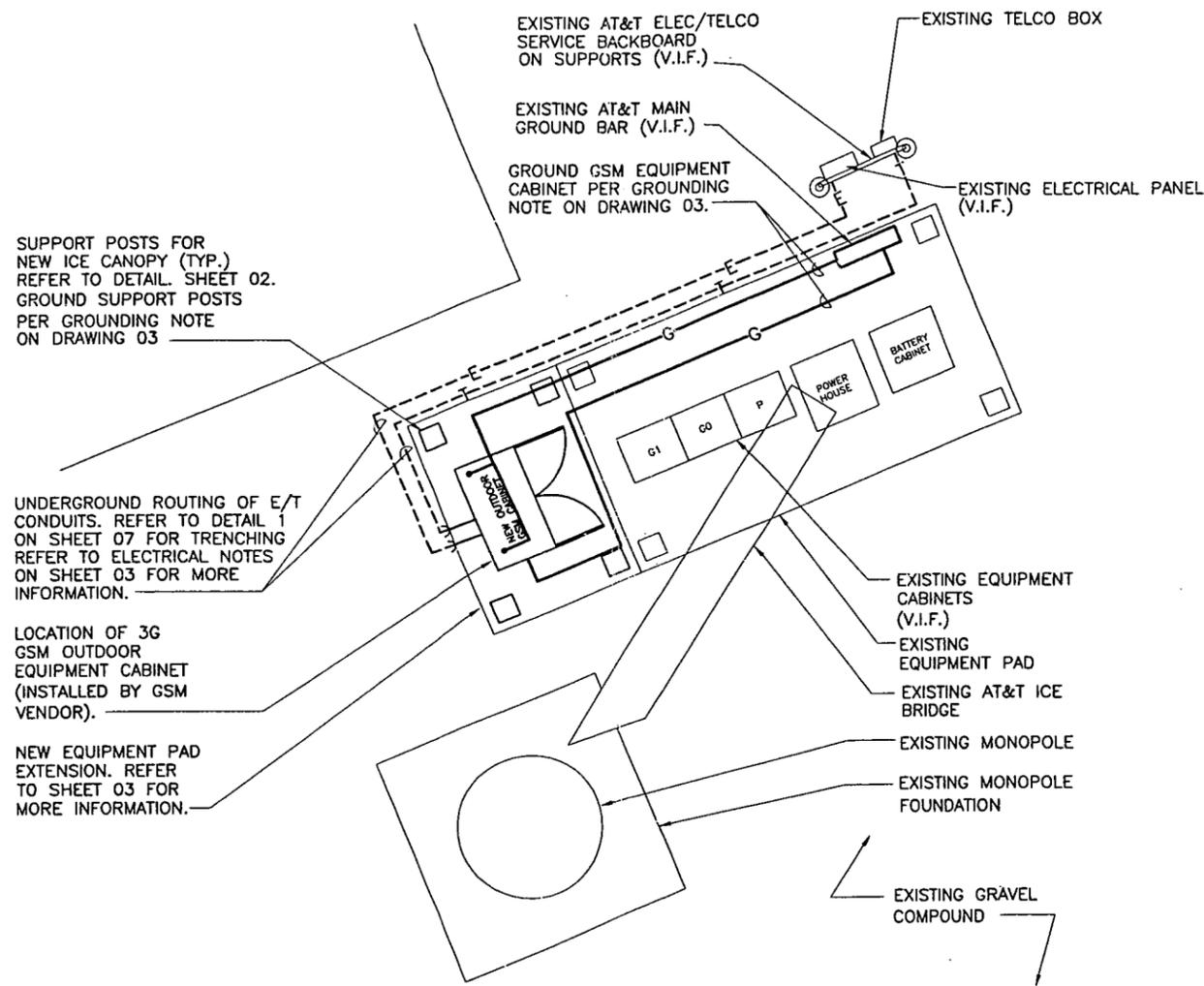
NO.	DATE	REVISIONS	BY	CHK	APP'D
0	09/04/01	ISSUED FOR CONSTRUCTION	SR	ICA	[Signature]
SCALE: AS NOTED		DESIGNED: JGB	DRAWN: JFN		



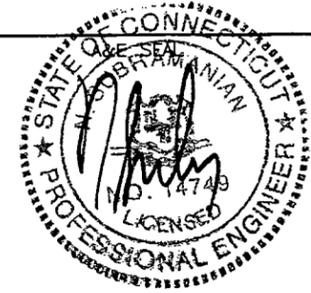
ORANGE CENTER-CROWN ATLANTIC MONOPOLE
EXISTING MONOPOLE/EXTERIOR EQUIPMENT

EQUIPMENT LAYOUT PLAN
AND GENERAL NOTES

JOB NO.	DRAWING NUMBER	REV
24623-313	CT-158-03	0



- NOTES:**
1. LABEL BREAKER, POWER AND T-1 CONNECTIONS.
 2. GSM INSTALLATION BY GSM VENDOR.
 3. REFER TO SITE PLAN FOR ORIENTATION



SCALE: N.T.S. 2 POWER/TELCO/GROUNDING PLAN SCALE: N.T.S. 1

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 ROCKY HILL, CONNECTICUT
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 URS JOB NUMBER: F302099.39

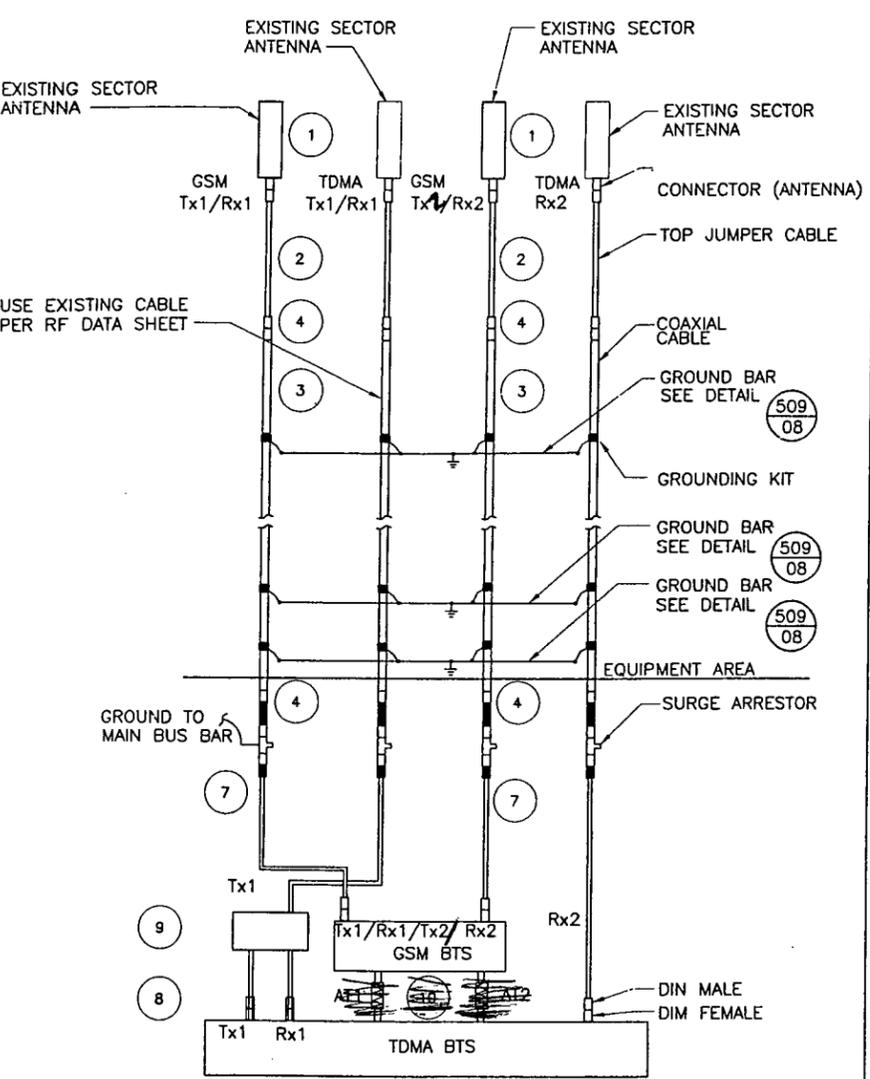
ORANGE CENTER-CROWN ATLANTIC MONOPOLE
 CT-158
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 ORANGE, CONNECTICUT



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SCALE: AS NOTED		DESIGNED: JGB	DRAWN: JPN		

ORANGE CENTER-CROWN ATLANTIC MONOPOLE
 EXISTING MONOPOLE/EXTERIOR EQUIPMENT
 POWER/TELCO/GROUNDING
 PLAN

JOB NO.	DRAWING NUMBER	REV
24623-313	CT-158-06	0



55 4/4 VP SCHEMATIC
SECTORS 1, 2 AND 3 ANTENNA CONFIGURATION

AT1-AT2=ATTENUATOR

ITEM NO.	ITEM DESCRIPTION	SYS.	SECTOR 1 AZIMUTH 30°			SECTOR 2 AZIMUTH 150°			SECTOR 3 AZIMUTH 270°			TOTAL QUANTITY	SUPPLIED BY	
			TDMA	Tx1/Rx1	Tx2/Rx2	Rx2	Tx1/Rx1	Tx2/Rx2	Rx2	Tx1/Rx1	Tx2/Rx2			Rx2
			GSM	Tx1/Rx1	Tx2/Rx2	Rx2	Tx1/Rx1	Tx2/Rx2	Rx2	Tx1/Rx1	Tx2/Rx2			Rx2
1	ANTENNA		ALLGON 7184.15 USE EXISTING	-	ALLGON 7184.15 USE EXISTING	-	ALLGON 7184.15 USE EXISTING	-	ALLGON 7184.15 USE EXISTING	-	ALLGON 7184.15 USE EXISTING	-	-	-
	C/W DOWNTILT		AS IS	-	AS IS	-	AS IS	-	AS IS	-	AS IS	-	-	-
2	ANTENNA JUMPER		EXISTING	-	EXISTING	-	EXISTING	-	EXISTING	-	EXISTING	-	-	-
3	MAIN COAX		1 1/4" (131 FEET) USE EXISTING	-	1 1/4" (131 FEET) USE EXISTING	-	1 1/4" (136 FEET) USE EXISTING	-	1 1/4" (136 FEET) USE EXISTING	-	1 1/4" (137 FEET) USE EXISTING	-	-	-
4	UNATTACHED DIN CONNECTOR		USE EXISTING	-	USE EXISTING	-	USE EXISTING	-	USE EXISTING	-	USE EXISTING	-	-	-
5	COAX SURGE ARRESTOR		USE EXISTING	-	USE EXISTING	-	USE EXISTING	-	USE EXISTING	-	USE EXISTING	-	-	-
6	DUPLEXER (L-3 COMM)		-	-	-	-	-	-	-	-	-	-	-	-
7	JUMPER		L4A-PDMDM-25	-	L4A-PDMDM-25	-	L4A-PDMDM-25	-	L4A-PDMDM-25	-	L4A-PDMDM-25	-	-	TBD
8	JUMPER		-	NEW 2	-	-	NEW 2	-	-	NEW 2	-	-	6	TBD
9	DUPLEXER (L-3 COMM)		-	SFD41A1818-12 NEW 9	-	-	SFD41A1818-12 NEW 9	-	-	SFD41A1818-12 NEW 9	-	-	3	TBD
10	ATTENUATOR		0	-	0	-	0	-	0	-	0	-	-	-
	ID TAG		ALPHA A1	-	ALPHA A3	-	BETA B1	-	BETA B3	-	GAMMA C1	-	GAMMA C3	-
	COLOR CODE		1 RED	-	3 RED	-	1 BLUE	-	3 BLUE	-	1 GREEN	-	3 GREEN	-

NOTES:

- SUBCONTRACTOR SHALL VERIFY THE ACTUAL LENGTH IN THE FIELD BEFORE INSTALLATION FOR ITEM 3 AND ITEM 7.
- TAG & COLOR CODE ALL MAIN CABLES AT LOCATIONS PER AWS TOWER/ANTENNA CABLE MARKING STANDARD:
TOP OF TOWER END OF MAIN COAX
BOTTOM OF TOWER SHELTER EXTERIOR AT CABLE ENTRY PORT
WAVE GUIDE PORT SHELTER INTERIOR AT CABLE ENTRY PORT
DIRECTLY BEFORE AND AFTER RF EQUIPMENT (DUPLEXERS, DIPLEXERS, ETC.)
END OF INTERIOR JUMPERS AT BTS EQUIPMENT
- ANTENNAS SHALL BE PROCURED AND INSTALLED WITH DOWNTILT MOUNTING BRACKETS SUPPLIED BY ANTENNA MANUFACTURER
- PRIOR APPROVAL IS REQUIRED BEFORE PERFORMING ANY WORK ON EXISTING CELL SITE EQUIPMENT
- WEATHER PROOFING AND GROUNDING KITS ARE PROVIDED BY SUBCONTRACTOR.
- RF DATA SHEET: 7/26/01 (REV 1)

A&E SEAL

ORANGE CENTER-CROWN ATLANTIC MONOPOLE
EXISTING MONOPOLE/EXTERIOR EQUIPMENT

BILL OF MATERIALS
AND ANTENNA SCHEMATIC

JOB NO. 24623-313 DRAWING NUMBER CT-158-05 REV 0

ANTENNA SCHEMATIC

SCALE: NONE 2

BILL OF MATERIAL (RF ITEMS AND CABLE INSTALLATION)

SCALE: NONE 1

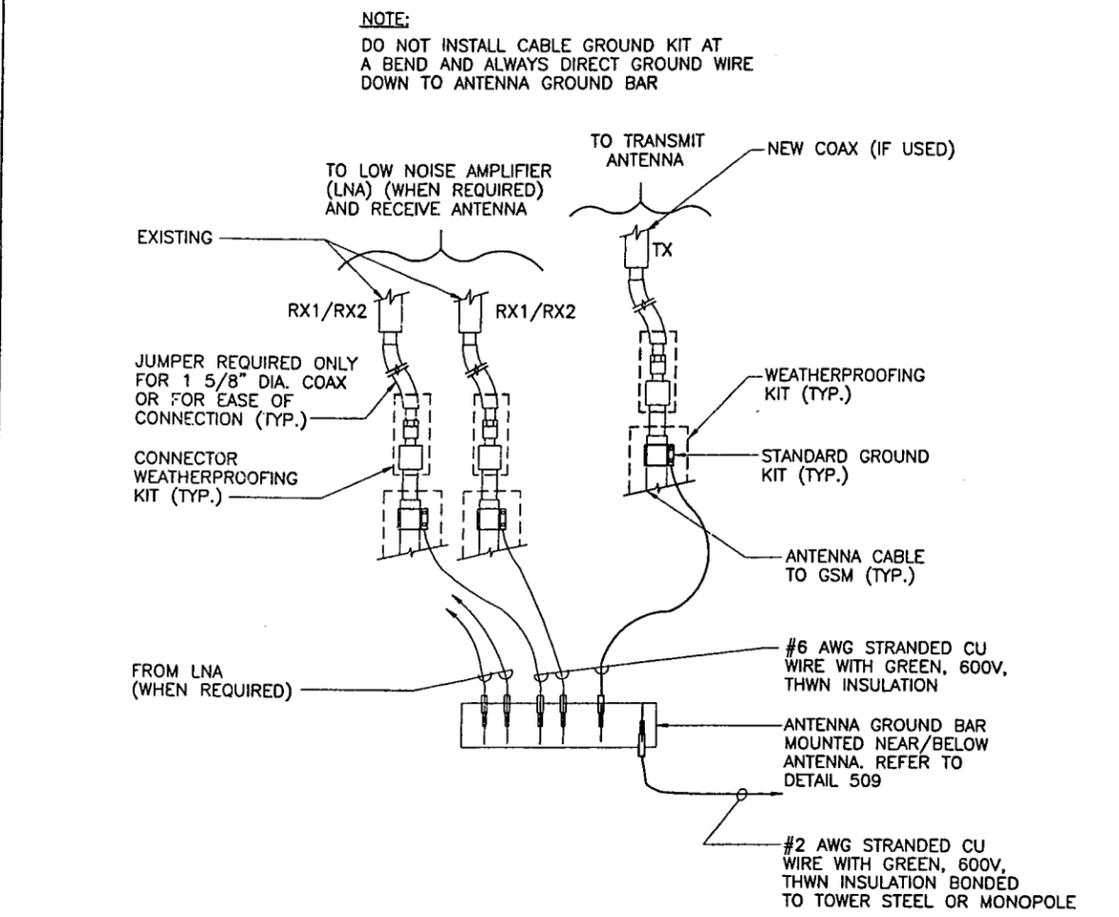
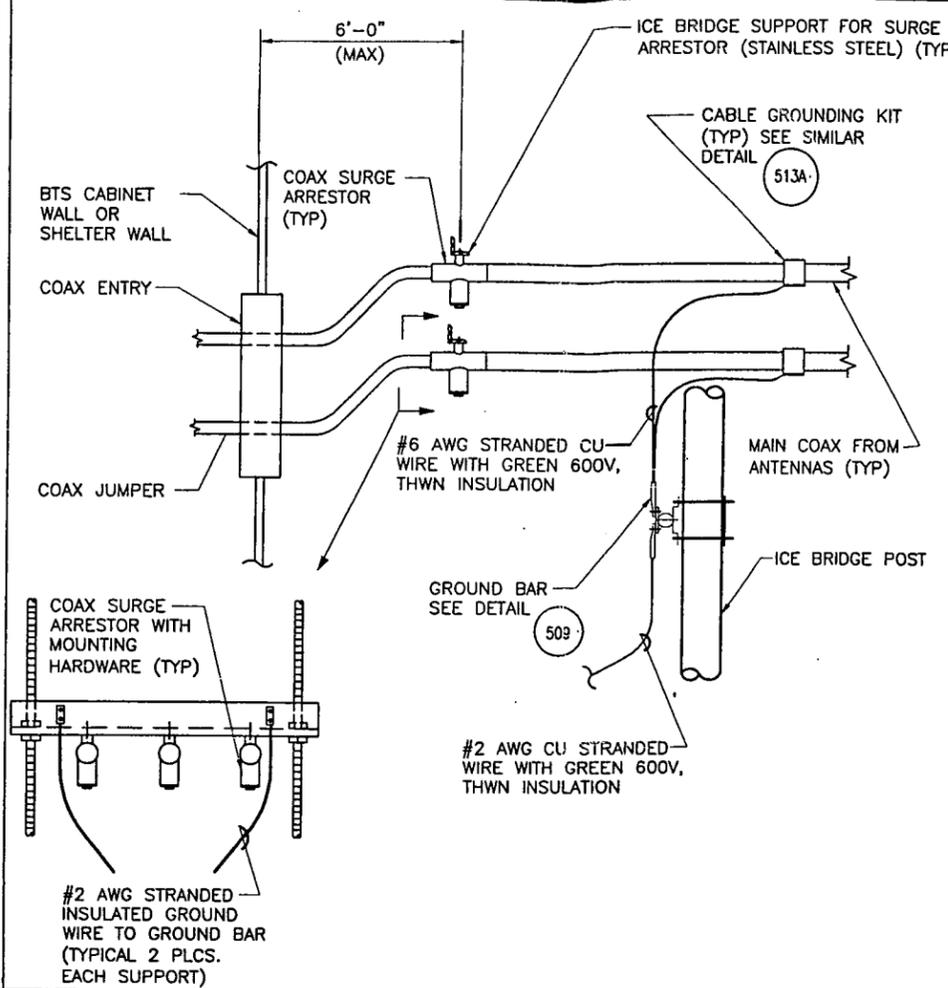
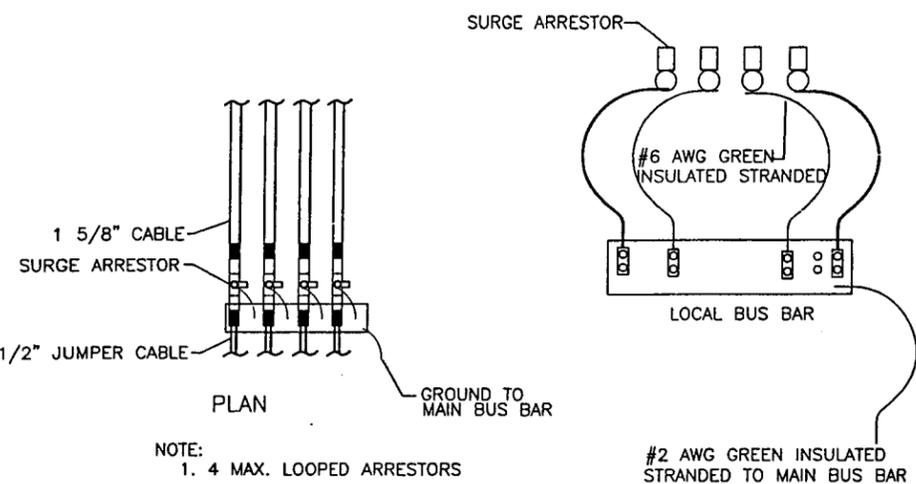
URS CORPORATION AES
795 BROOK STREET, BUILDING 5
ROCKY HILL, CONNECTICUT
1-(860)-529-8882
URS JOB NUMBER: F302099.39

ORANGE CENTER-CROWN ATLANTIC MONOPOLE
CT-158
525 ORANGE CENTER ROAD
ORANGE, CONNECTICUT

AT&T
AT&T WIRELESS PCS LLC
15 EAST MIDLAND AVENUE
PARAMUS, NJ 07652

0	09/04/01	ISSUED FOR CONSTRUCTION	SR	ICA	
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS NOTED		DESIGNED: JGB	DRAWN: JPN		

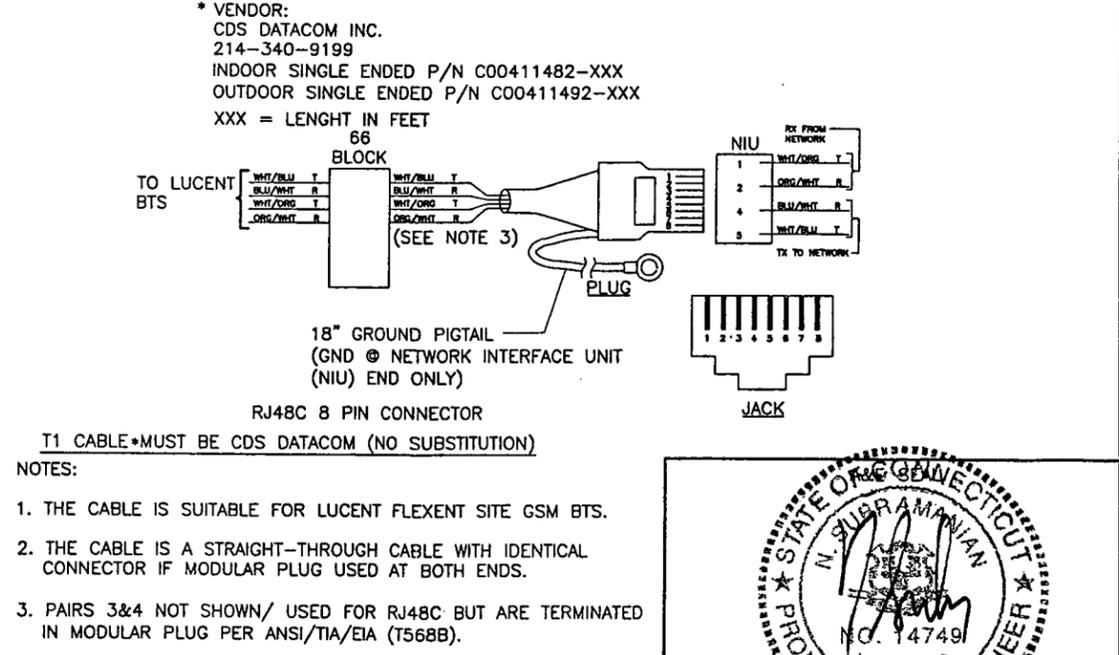
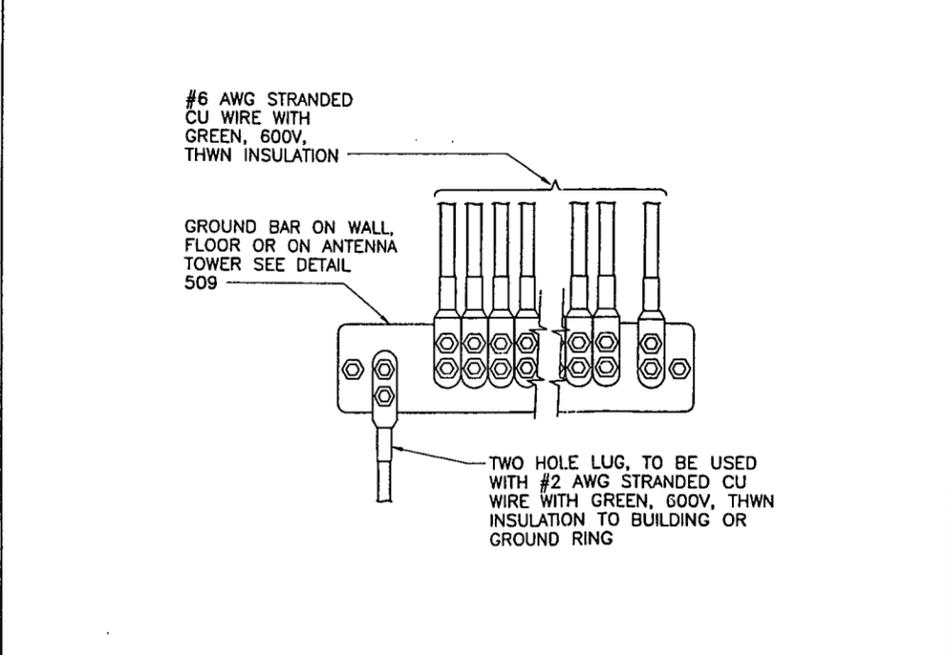
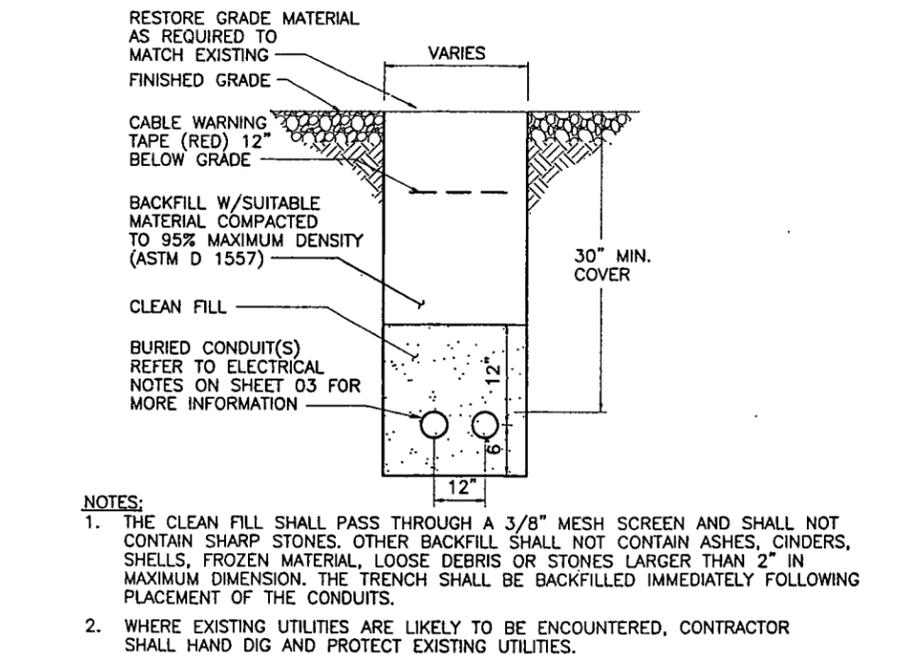
JOB NO. 24623-313 DRAWING NUMBER CT-158-05 REV 0



527- SURGE ARRESTOR GROUNDING DETAIL

572A-EXTERIOR ANTENNA CABLE GROUNDING AT BTS

522A-CONNECTION OF GROUND WIRE TO GROUNDING BUS



TYPICAL ELECTRICAL & TELEPHONE TRENCH DETAIL

508A-GROUND WIRE TO GROUND BUS

T1/PCM CONNECTOR PIN-OUT(1016A)

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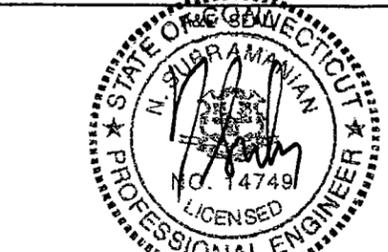
ORANGE CENTER-CROWN ATLANTIC MONOPOLE CT-158
 525 ORANGE CENTER ROAD
 ORANGE, CONNECTICUT

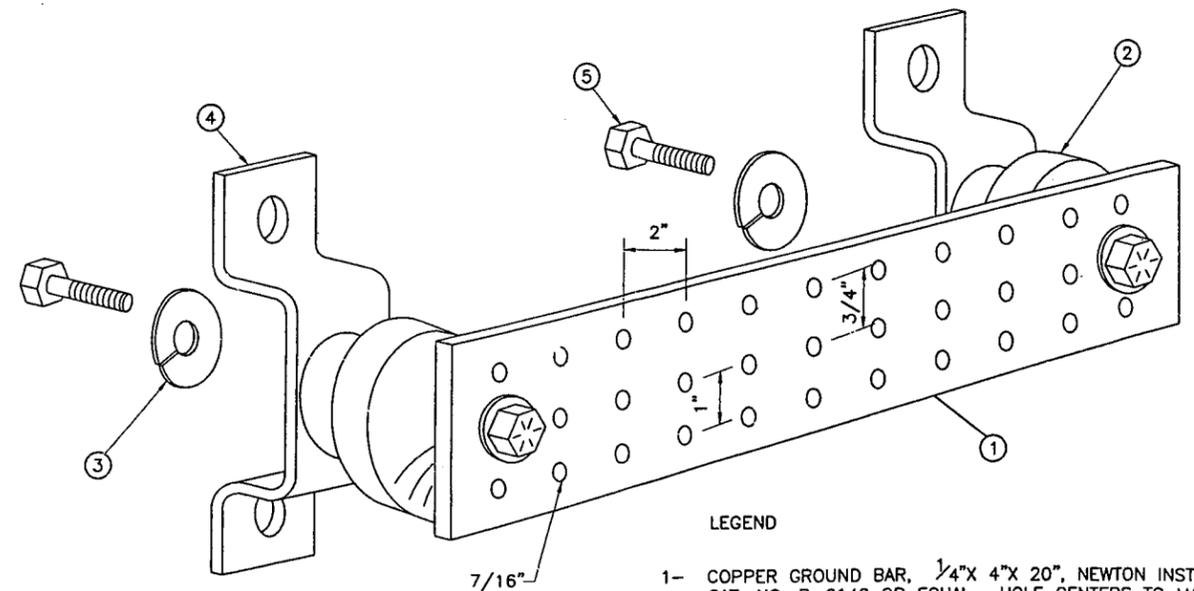
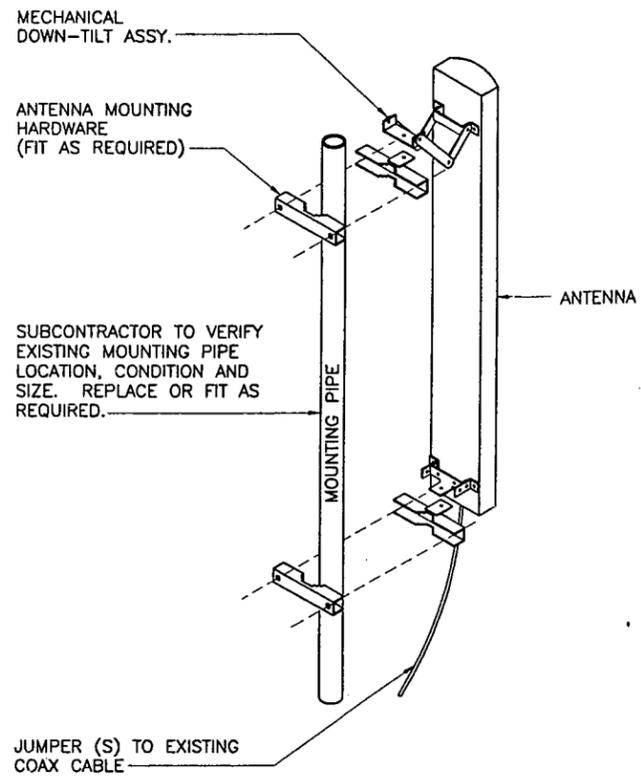
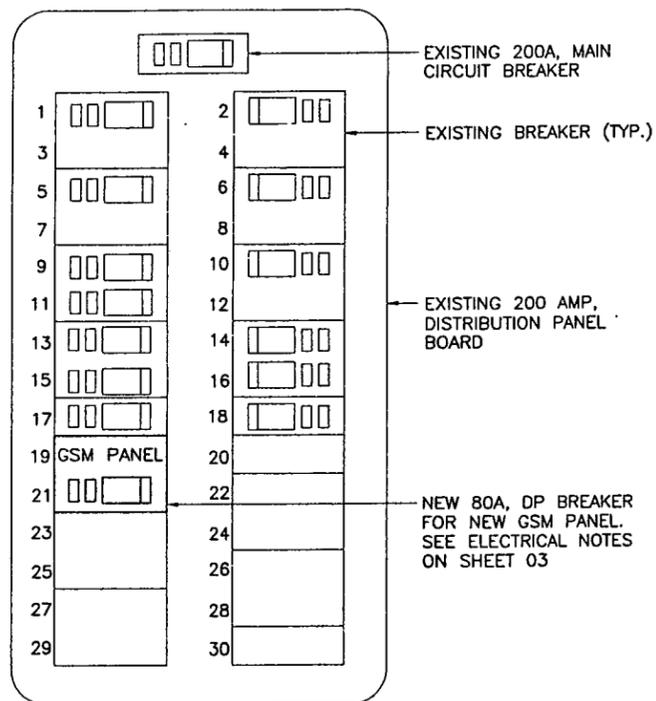
AT&T
 AT&T WIRELESS PCS LLC
 15 EAST MIDLAND AVENUE
 PARAMUS, NJ 07652

0	09/04/01	ISSUED FOR CONSTRUCTION	SR	ICA
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SCALE: AS NOTED		DESIGNED: JGB	DRAWN: JPN	

ORANGE CENTER-CROWN ATLANTIC MONOPOLE EXISTING MONOPOLE/EXTERIOR EQUIPMENT ELECTRICAL DETAILS

JOB NO.	DRAWING NUMBER	REV
24623-313	CT-158-07	0

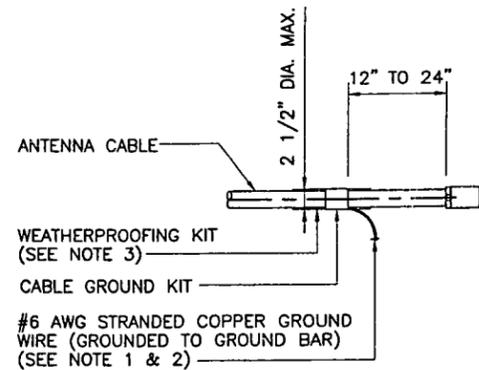




- LEGEND
- 1- COPPER GROUND BAR, 1/4"X 4"X 20", NEWTON INSTRUMENT CO. CAT. NO. B-6142 OR EQUAL. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION.
 - 2- INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4
 - 3- 5/8" LOCKWASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8
 - 4- WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT. NO. A-6056
 - 5- 5/8-11 X 1" HHCS BOLTS, NEWTON INSTRUMENT CO. CAT. NO. 3012-1

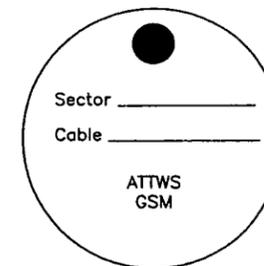
ANTENNA MOUNTING DETAIL

509-GROUND BAR



CONNECTION OF CABLE GROUND KIT TO ANTENNA CABLE

- NOTE: 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.)



NOTE:
TAG SHALL BE MADE OF STEEL OR EQUIVALENT AND ATTACHED TO CABLE WITH CORROSION PROOF WIRE.

NOTES:

1. INSTALL 80A-2P NEW BRANCH CIRCUIT BREAKER IN AVAILABLE POSITION AND FEED ONE (1) NEW GSM CABINET AND LABEL "GSM PANEL". REFER TO ELECTRICAL NOTES ON SHEET 03 FOR MORE INFORMATION. THE NEW BREAKER SHALL MATCH THE EXISTING TYPE BREAKERS AND AIC RATINGS.
2. SUBCONTRACTOR SHALL VERIFY IN THE FIELD AND ADJUST AS REQUIRED.



ORANGE CENTER-CROWN ATLANTIC MONOPOLE EXISTING MONOPOLE/EXTERIOR EQUIPMENT
ELECTRICAL DETAILS

JOB NO.	DRAWING NUMBER	REV
24623-313	CT-158-08	0

ELECTRICAL PANEL

SCALE: NTS 1

513A-CONNECTION OF GROUND KIT TO COAX GSM LINE TAG

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URS JOB NUMBER: F302099.39

ORANGE CENTER-CROWN ATLANTIC MONOPOLE
CT-158
525 ORANGE CENTER ROAD
ORANGE, CONNECTICUT

AT&T
AT&T WIRELESS PCS LLC
15 EAST MIDLAND AVENUE
PARAMUS, NJ 07652

NO.	DATE	ISSUED FOR CONSTRUCTION	SR	ICA
0	09/04/01	ISSUED FOR CONSTRUCTION	SR	ICA
		REVISIONS	BY	CHK APP'D
SCALE: AS NOTED		DESIGNED: JGB	DRAWN: JPN	



Wireless Facilities, Inc.
1840 Michael Faraday Drive
Suite 200
Reston, VA 20190

January 2, 2002

Mr. Mortimer A. Gelston, Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RE: FCC Compliance Statement for AT&T Site CT-158 (Orange Center)

Dear Mr. Gelston:

On behalf of AT&T Wireless, Wireless Facilities Inc. has performed in-field RF measurements and office analyses for the above referenced site to determine compliance with FCC mandated Maximum Permissible Exposure (MPE) limits as defined in 47 CFR § 1.1310.

The table below gives a brief summary of the site location, its configuration and associated technical parameters.

Summary of the site configuration and technical parameters:

Site ID	CT-158
Site Name	Orange Center
Latitude	41.27333
Longitude	-73.01888
Address of structure	525 Orange Center Road Orange, CT 06477
Type of structure	Monopole
Antenna structure owner	AT&T Wireless PCS
Address of antenna owner	AT&T Wireless PCS 15 East Midland Ave Paramus, NJ 07652
FCC class and Type of service	PCS TDMA (IS-136), PCS GSM
Operating frequency	D, E bands (PCS)
Azimuths	30,150,270
Elevation (ft)	111
Antenna manufacturer	Allgon
Antenna type	Panel

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where: S = Power density in W/m²
 EIRP = Effective isotropic radiated power (W)
 ERP = Effective radiated power (W)
 D = Distance in meters

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in μW/cm² is given by

$$S = \frac{33.4 * ERP}{D^2} \text{ (Section 2, OET bulletin 65).}$$

Where: S = Power density in μW/cm²
 ERP = Effective radiated power (W)
 D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	Point of Worst Case Predicted Level	Predicted Value μW/cm ²	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC μW/cm ²	% of the Standard
Current PCS TDMA configuration	170 feet in front of the antenna	0.95	5000	0.019
Future PCS TDMA and GSM configuration	170 feet away in front of the antenna	1.29	1000	0.13

In addition to predictive analysis, on-site data was recorded at different locations around the monopole. In all areas, less than or equal to 0.45 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from the other carriers at that site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	Worst Case Measured Value $\mu\text{W}/\text{cm}^2$	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC $\mu\text{W}/\text{cm}^2$	% of the Standard
25 meters in front of sector 1	1.35	1000	0.135
15 meters in front of sector 2	3.35	1000	0.335
20 meters in front of sector 3	4.5	1000	0.45

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than or equal to 0.45 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.

Dan Hardiman
Senior Engineer II
Fixed Network Engineering

CUDDY & FEDER & WORBY LLP

90 MAPLE AVENUE
WHITE PLAINS, NEW YORK 10601-5196

(914) 761-1300

TELECOPIER (914) 761-5372/6405

www.cfwlaw.com

500 FIFTH AVENUE
NEW YORK, NEW YORK 10110
(212) 944-2841
TELECOPIER (212) 944-2843

WESTAGE BUSINESS CENTER
300 SOUTH LAKE DRIVE
FISHKILL, NEW YORK 12524
(845) 896-2229
TELECOPIER (845) 896-3672

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WILLIAM S. NULL
DAWN M. PORTNEY
ELISABETH N. RADOW
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RUTH E. ROTH
JENNIFER L. VAN TUYL
CHAUNCEY L. WALKER (also CA)
ROBERT L. WOLFE
DAVID E. WORBY

Of Counsel

MICHAEL R. EDELMAN
ANDREW A. GLICKSON (also CT)
ROBERT L. OSAR (also TX)
MARYANN M. PALERMO
ROBERT C. SCHNEIDER
LOUIS R. TAFFERA

NEIL J. ALEXANDER (also CT)
CHARLES T. BAZYDLO (also NJ)
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KENNETH F. JURIST
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JOSHUA E. KIMERLING (also CT)
DANIEL F. LEARY (also CT)
BARRY E. LONG

January 28, 2002

VIA FEDERAL EXPRESS

Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051



Re: AT&T Wireless - TS-AT&T-167-991213
1027 Racebrook Road, Woodbridge, Connecticut
Notice of Exempt Modification

Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

On October 8, 1999 the Council ruled that AT&T's proposed shared use of the existing Sprint facility complied with Section 16-50aa of the Regulations of Connecticut State Agencies (TS-AT&T-167-991213) permitting AT&T to install up to twelve (12) panel antennas at the 137' level on the existing tower, with an associated equipment shelter located within the fenced compound.

This notice of exempt modification is being provided pursuant to Section 16-50j-72 of the Council's regulations. AT&T will be installing additional equipment within the existing shelter at the facility. There will be no other infrastructure changes to AT&T's facility.

The proposed addition of equipment to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d). The proposed addition to AT&T Wireless' facility will not result in an increase in the Tower's height or extend the boundaries of the existing fenced area surrounding the Tower. Further, there will be no increase in noise levels by six (6) decibels or more at the Tower site's boundary. AT&T has made measurements of the existing facility to confirm compliance with

CUDDY & FEDER & WORBY LLP

January 28, 2002

Page 2

MPE limits and as set forth in a report prepared by Wireless Facilities, Inc., annexed hereto, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes. For all the foregoing reasons, addition of AT&T Wireless' equipment to its existing facility constitutes an exempt modification which will not have a substantially adverse environmental effect.

AT&T Wireless respectfully submits that the proposed addition of equipment to the Racebrook Road Facility meets the Council's exemption criteria and requests an acknowledgment of same.

Respectfully Submitted,



Christopher B. Fisher, Esq.
On behalf of AT&T Wireless

cc: First Selectman, Town of Woodbridge
Darryl Hendrickson, Bechtel Telecommunications



Wireless Facilities, Inc.
1840 Michael Faraday Drive
Suite 200
Reston, VA 20190

January 2, 2002

Mr. Mortimer A. Gelston, Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RE: FCC Compliance Statement for AT&T Site CT-162 (Woodbridge Oak Lane Country club Sprint PCS)

Dear Mr. Gelston:

On behalf of AT&T Wireless, Wireless Facilities Inc. has performed in-field RF measurements and office analyses for the above referenced site to determine compliance with FCC mandated Maximum Permissible Exposure (MPE) limits as defined in 47 CFR § 1.1310.

The table below gives a brief summary of the site location, its configuration and associated technical parameters.

Summary of the site configuration and technical parameters:

Site ID	CT-162
Site Name	Woodbridge Oak lane Country Club-Sprint PCS
Latitude	41.31638
Longitude	-73.01138
Address of structure	1027 Racebrook Road Woodbridge, CT
Type of structure	Monopole
Antenna structure owner	AT&T Wireless PCS 12 Omega Drive Stamford, CT 06902
Address of antenna owner	PCS TDMA (IS-136), PCS GSM
FCC class and Type of service	D, E bands (PCS)
Operating frequency	90, 210,330
Azimuths	137
Elevation (ft)	4 antennas per sector
Antenna manufacturer	Allgon
Antenna type	Panel

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where: S = Power density in W/m²
 EIRP = Effective isotropic radiated power (W)
 ERP = Effective radiated power (W)
 D = Distance in meters

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in μW/cm² is given by

$$S = \frac{33.4 * ERP}{D^2} \text{ (Section 2, OET bulletin 65).}$$

Where: S = Power density in μW/cm²
 ERP = Effective radiated power (W)
 D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	Point of Worst Case Predicted Level	Predicted Value μW/cm ²	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC μW/cm ²	% of the Standard
Current PCS TDMA configuration	310 feet away in front of the antenna	0.72	1000	0.07
Future PCS TDMA and GSM configuration	310 feet away in front of the antenna	0.97	1000	0.1

In addition to predictive analysis, on-site data was recorded at different locations around the monopole. In all areas, less than or equal to 3.55 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from the other carriers at that site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	Worst Case Measured Value $\mu\text{W}/\text{cm}^2$	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC $\mu\text{W}/\text{cm}^2$	% of the Standard
15 meters in front of sector 1	35.5	1000	3.55
15 meters in front of sector 2	10	1000	1.0
10 meters in front of sector 3	11	1000	1.1

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than or equal to 3.55 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.



Dan Hardiman
Senior Engineer II
Fixed Network Engineering

CUDDY & FEDER & WORBY LLP

90 MAPLE AVENUE
WHITE PLAINS, NEW YORK 10601-5196

(914) 761-1300

TELECOPIER (914) 761-5372/6405

www.cfww.com

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NEW YORK, NEW YORK 10110
(212) 944-2841
TELECOPIER (212) 944-2843

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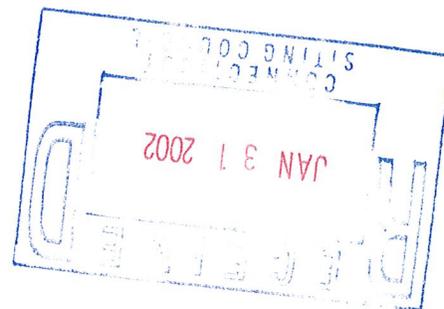
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BARRY E. LONG

January 28, 2002

VIA FEDERAL EXPRESS

Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: AT&T Wireless - TS-AT&T-034-000518
36 Sugar Hollow Road, Danbury, Connecticut
Notice of Exempt Modification



Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

On June 7, 2000 the Council ruled that AT&T's proposed shared use of the existing VoiceStream facility complied with Section 16-50aa of the Regulations of Connecticut State Agencies (TS-AT&T-034-000518) permitting AT&T to install up to nine (9) panel antennas at the 98' level on the existing tower, with associated equipment cabinets located on a 10' x 16' concrete pad within the fenced compound.

This notice of exempt modification is being provided pursuant to Section 16-50j-72 of the Council's regulations. AT&T will be installing an additional equipment cabinet (approximately 76"H x 76"W x 30"D) on AT&T's existing concrete pad at the facility. There will be no other infrastructure changes to AT&T's facility.

The proposed addition of an equipment cabinet to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d). The proposed addition to AT&T Wireless' facility will not result in an increase in the Tower's height or extend the boundaries of the existing fenced area surrounding

CUDDY & FEDER & WORBY LLP

January 28, 2002

Page 2

the Tower. Further, there will be no increase in noise levels by six (6) decibels or more at the Tower site's boundary. AT&T made measurements of the existing facility to confirm compliance with MPE limits and as set forth in a report prepared by Wireless Facilities, Inc., annexed hereto, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes. For all the foregoing reasons, addition of AT&T Wireless' cabinet to its existing facility constitutes an exempt modification which will not have a substantially adverse environmental effect.

AT&T Wireless respectfully submits that the proposed addition of the cabinet to the Sugar Hollow Road Facility meets the Council's exemption criteria and requests an acknowledgment of same.

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read 'CB Fisher', with a long horizontal flourish extending to the right.

Christopher B. Fisher, Esq.
On behalf of AT&T Wireless

cc: Mayor, City of Danbury
Darryl Hendrickson, Bechtel Telecommunications
Brendan Sharkey, VoiceStream



Wireless Facilities, Inc.
 1840 Michael Faraday Drive
 Suite 200
 Reston, VA 20190

January 2, 2002

Mr. Mortimer A. Gelston, Chairman
 Connecticut Siting Council
 10 Franklin Square
 New Britain, CT 06051

RE: FCC Compliance Statement for AT&T Site CT-070 (Danbury South-Wooster mountain)

Dear Mr. Gelston:

On behalf of AT&T Wireless, Wireless Facilities Inc. has performed in-field RF measurements and office analyses for the above referenced site to determine compliance with FCC mandated Maximum Permissible Exposure (MPE) limits as defined in 47 CFR § 1.1310.

The table below gives a brief summary of the site location, its configuration and associated technical parameters.

Summary of the site configuration and technical parameters:

Site ID	CT-070
Site Name	Danbury South-Wooster Mountain
Latitude	41.34972
Longitude	-73.46833
Address of structure	35 sugar hollow rd Danbury, CT
Type of structure	Monopole
Antenna structure owner	AT&T
Address of antenna owner	15 East Midland AVE Paramus, NJ 07652
FCC class and Type of service	PCS TDMA (IS-136), PCS GSM
Operating frequency	D, E bands (PCS)
Azimuths	90,190,340
Elevation (ft)	98
Antenna manufacturer	Allgon
Antenna type	Panel

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where: S = Power density in W/m²
 EIRP = Effective isotropic radiated power (W)
 ERP = Effective radiated power (W)
 D = Distance in meters

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in μW/cm² is given by

$$S = \frac{33.4 * ERP}{D^2} \text{ (Section 2, OET bulletin 65).}$$

Where: S = Power density in μW/cm²
 ERP = Effective radiated power (W)
 D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	Point of Worst Case Predicted Level	Predicted Value μW/cm ²	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC μW/cm ²	% of the Standard
Current PCS TDMA configuration	220 feet away in front of the antenna	1.43	1000	0.143
Future PCS TDMA and GSM configuration	220 feet away in front of the antenna	1.93	1000	0.193

In addition to predictive analysis, on-site data was recorded at different locations around the monopole. In all areas, less than or equal to 2.9 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from the other carriers at that site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	Worst Case Measured Value $\mu\text{W}/\text{cm}^2$	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC $\mu\text{W}/\text{cm}^2$	% of the Standard
10 meters in front of sector 1	28	1000	2.8
5 meters in front of sector 2	28	1000	2.8
10 meters in front of sector 3	29	1000	2.9

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than or equal to 2.9 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.



Dan Hardiman
Senior Engineer II
Fixed Network Engineering

CUDDY & FEDER & WORBY LLP

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WHITE PLAINS, NEW YORK 10601-5196

(914) 761-1300

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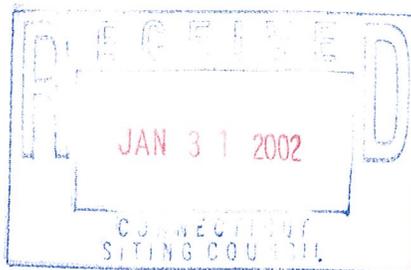
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January 28, 2002

VIA FEDERAL EXPRESS

Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051



Re: AT&T Wireless - EM-SCLP-135-000201
1590 Newfield Avenue, Stamford, Connecticut
Notice of Further Exempt Modification

Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

Springwich Cellular Limited Partnership holds the Siting Council certificate for the existing communications tower and related facility located at 1590 Newfield Avenue, Stamford, Connecticut (Docket No. 45). On February 16, 2000 Springwich Cellular Limited Partnership, on behalf of AT&T Wireless ("AT&T"), received the Council's acknowledgement of a notice to modify the existing facility pursuant to Section 16-50j-72 of the Regulations of Connecticut State Agencies (EM-SCLP-135-000201) permitting AT&T to install panel antennas at the 110' level on the existing tower, with an associated equipment shelter located within the fenced compound.

This notice of further exempt modification is also being provided pursuant to Section 16-50j-72 of the Council's regulations. AT&T will be replacing three existing antennas and installing additional equipment within the existing shelter at the facility. There will be no other infrastructure changes to AT&T's facility.

The proposed replacement antennas and addition of equipment to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut

January 28, 2002

Page 2

General Statutes Section 16-50i(d). The proposed modifications to AT&T Wireless' facility will not result in an increase in the Tower's height or extend the boundaries of the existing fenced area surrounding the Tower. Further, there will be no increase in noise levels by six (6) decibels or more at the Tower site's boundary. AT&T made measurements of the existing facility to confirm compliance with MPE limits and as set forth in a report prepared by Wireless Facilities, Inc., annexed hereto, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes. For all the foregoing reasons, the proposed modifications to AT&T Wireless' existing facility constitutes an exempt modification which will not have a substantially adverse environmental effect.

AT&T Wireless respectfully submits that the proposed replacement antennas and addition of the equipment to the Newfield Avenue Facility meets the Council's exemption criteria and requests an acknowledgment of same.

Respectfully Submitted,



Christopher B. Fisher, Esq.
On behalf of AT&T Wireless

cc: Mayor, City of Stamford
Darryl Hendrickson, Bechtel Telecommunications
Peter W. Van Wilgen, Springwiche Cellular LP



Wireless Facilities, Inc.
 1840 Michael Faraday Drive
 Suite 200
 Reston, VA 20190

December 19, 2001

Mr. Mortimer A. Gelston, Chairman
 Connecticut Siting Council
 10 Franklin Square
 New Britain, CT 06051

RE: FCC Compliance Statement for AT&T Site CT-038 (Stamford East-New field Road)

Dear Mr. Gelston:

On behalf of AT&T Wireless, Wireless Facilities Inc. has performed in-field RF measurements and office analyses for the above referenced site to determine compliance with FCC mandated Maximum Permissible Exposure (MPE) limits as defined in 47 CFR § 1.1310.

The table below gives a brief summary of the site location, its configuration and associated technical parameters.

Summary of the site configuration and technical parameters:

Site ID	CT-038
Site Name	Stamford East-New Field Road
Latitude	41.11277
Longitude	-73.53888
Owner of the structure	SNET
Address of structure	1570 Newfield Avenue Stamford, CT
Type of structure	Monopole
Antenna structure owner	AT&T
Address of antenna owner	15 East Midland AVE Paramus, NJ 07652
FCC class and Type of service	PCS TDMA (IS-136)
Operating frequency	D, E bands (PCS)
Azimuths	45,165,285
Elevation (ft)	110
Antenna manufacturer	Allgon
Antenna type	Panel

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where: S = Power density in W/m²
 EIRP = Effective isotropic radiated power (W)
 ERP = Effective radiated power (W)
 D = Distance in meters

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in μW/cm² is given by

$$S = \frac{33.4 * ERP}{D^2} \text{ (Section 2, OET bulletin 65).}$$

Where: S = Power density in μW/cm²
 ERP = Effective radiated power (W)
 D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	Point of Worst Case Predicted Level	Predicted Value μW/cm ²	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC μW/cm ²	% of the Standard
Current PCS TDMA configuration	170 feet away in front of the antenna	0.98	1000	0.098
Future PCS TDMA and GSM configuration	170 feet away in front of the antenna	1.00	1000	0.1

In addition to predictive analysis, on-site data was recorded at different locations around the monopole. In all areas, less than 4.55 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from the other carriers at that site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	Worst Case Measured Value $\mu\text{W}/\text{cm}^2$	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC $\mu\text{W}/\text{cm}^2$	% of the Standard
25 meters in front of sector 1	35	1000	3.5
55 meters in front of sector 2	45.5	1000	4.55
40 meters in front of sector 3	10	1000	1

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than 4.55 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.

Dan Hardiman
Senior Engineer II
Fixed Network Engineering

CUDDY & FEDER & WORBY LLP

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WHITE PLAINS, NEW YORK 10601-5196

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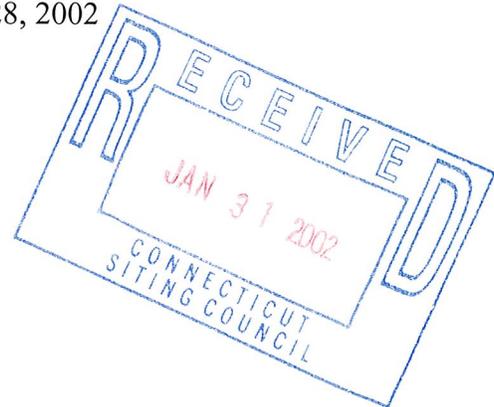
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January 28, 2002

VIA FEDERAL EXPRESS

Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: AT&T Wireless - TS-AT&T-083-990922
90 Industrial Park, Middletown, Connecticut
Notice of Exempt Modification



Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

On October 8, 1999 the Council ruled that AT&T's proposed shared use of the existing VoiceStream facility complied with Section 16-50aa of the Regulations of Connecticut State Agencies (TS-AT&T-083-990922) permitting AT&T to install up to twelve (12) panel antennas at the 163' level on the existing tower, with an associated equipment shelter located within the fenced compound.

This notice of exempt modification is being provided pursuant to Section 16-50j-72 of the Council's regulations. AT&T will be installing additional equipment within the existing shelter at the facility. There will be no other infrastructure changes to AT&T's facility.

The proposed addition of equipment to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d). The proposed addition to AT&T Wireless' facility will not result in an increase in the Tower's height or extend the boundaries of the existing fenced area surrounding the Tower. Further, there will be no increase in noise levels by six (6) decibels or more at the Tower site's boundary. AT&T has made measurements of the existing facility to confirm compliance with

CUDDY & FEDER & WORBY LLP

January 28, 2002

Page 2

MPE limits and as set forth in a report prepared by Wireless Facilities, Inc., annexed hereto, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes. For all the foregoing reasons, addition of AT&T Wireless' equipment to its existing facility constitutes an exempt modification which will not have a substantially adverse environmental effect.

AT&T Wireless respectfully submits that the proposed addition of equipment to the Industrial Park Facility meets the Council's exemption criteria and requests an acknowledgment of same.

Respectfully Submitted,



Christopher B. Fisher, Esq.
On behalf of AT&T Wireless

cc: Mayor, City of Middletown
Darryl Hendrickson, Bechtel Telecommunications
Brendan Sharkey, VoiceStream



Wireless Facilities, Inc.
 1840 Michael Faraday Drive
 Suite 200
 Reston, VA 20190

January 2, 2002

Mr. Mortimer A. Gelston, Chairman
 Connecticut Siting Council
 10 Franklin Square
 New Britain, CT 06051

RE: FCC Compliance Statement for AT&T Site CT-119 (Middletown NW)

Dear Mr. Gelston:

On behalf of AT&T Wireless, Wireless Facilities Inc. has performed in-field RF measurements and office analyses for the above referenced site to determine compliance with FCC mandated Maximum Permissible Exposure (MPE) limits as defined in 47 CFR § 1.1310.

The table below gives a brief summary of the site location, its configuration and associated technical parameters.

Summary of the site configuration and technical parameters:

Site ID	CT-119
Site Name	Middletown NW-Voicestream
Latitude	41.58583
Longitude	-72.71277
Address of structure	80 Industrial Park Road Cromwell, CT
Type of structure	Monopole
Antenna structure owner	AT&T
Address of antenna owner	15 East Midland AVE Paramus, NJ 07652
FCC class and Type of service	PCS TDMA (IS-136)
Operating frequency	D, E bands (PCS)
Azimuths	30,150,270
Elevation (ft)	163
Antenna configuration	3 antenna per sector
Antenna manufacturer	Allgon
Antenna type	Panel

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where: S = Power density in W/m²
 EIRP = Effective isotropic radiated power (W)
 ERP = Effective radiated power (W)
 D = Distance in meters

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in μW/cm² is given by

$$S = \frac{33.4 * ERP}{D^2} \text{ (Section 2, OET bulletin 65).}$$

Where: S = Power density in μW/cm²
 ERP = Effective radiated power (W)
 D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	Point of Worst Case Predicted Level	Predicted Value μW/cm ²	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC μW/cm ²	% of the Standard
Current PCS TDMA configuration	370 feet away in front of the antenna	0.50	1000	0.05
Future PCS TDMA and GSM configuration	370 feet away in front of the antenna	0.68	1000	0.07

In addition to predictive analysis, on-site data was recorded at different locations around the monopole. In all areas, less than 2.7 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from the other carriers at that site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	Worst Case Measured Value $\mu\text{W}/\text{cm}^2$	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC $\mu\text{W}/\text{cm}^2$	% of the Standard
50 meters in front of sector 1	27	1000	2.7
20 meters in front of sector 2	23	1000	2.3
15 meters in front of sector 3	16.5	1000	1.65

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than 2.7 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.

Dan Hardiman
Senior Engineer II
Fixed Network Engineering

EDMOND TOWN HALL
45 MAIN STREET
NEWTOWN, CONNECTICUT 06470
TEL. (203) 270-4201
FAX (203) 270-4205
e-mail: newtown@snet.net



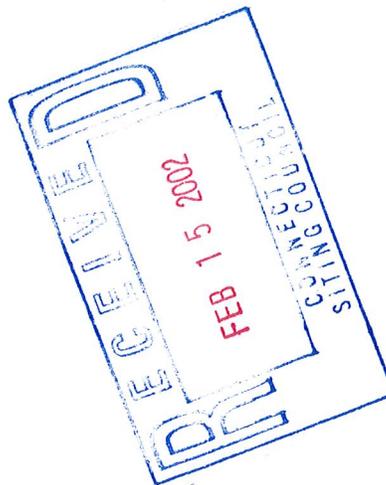
HERBERT C. ROSENTHAL
FIRST SELECTMAN

TOWN OF NEWTOWN
OFFICE OF THE FIRST SELECTMAN

VIA FAX AND FIRST CLASS MAIL

February 14, 2002

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



Re: EM-AT&T-015-034-083-097-103-107-167-020131 – AT&T Wireless notice of intent to modify existing telecommunications facilities located at nine sites throughout the State of Connecticut – Berkshire Road, Newtown

Dear Mr. Phelps:

The Town of Newtown would like to request that the Siting Council require AT&T Wireless to comply with any Newtown Zoning, inland wetland, sedimentation and erosion control requirements, as well as Building Official inspections for installation of the 14' by 8'6" pad and cabinets.

Sincerely,

Herbert C. Rosenthal
First Selectman

cc: Gary Frenette, Zoning Enforcement Officer, Town of Newtown

CUDDY & FEDER & WORBY LLP

90 MAPLE AVENUE
WHITE PLAINS, NEW YORK 10601-5196

CUDDY & FEDER
1971-1995

NEIL J. ALEXANDER (also CT)
CHARLES T. BAZYDLO (also NJ)
THOMAS R. BEIRNE (also DC)
THOMAS M. BLOOMER
JOSEPH P. CARLUCCI
KENNETH J. DUBROFF
ROBERT FEDER
CHRISTOPHER B. FISHER (also CT)
ANTHONY B. GIOFFRE III (also CT)
SUSAN E.H. GORDON
KAREN G. GRANIK
JOSHUA J. GRAUER
WAYNE E. HELLER (also CT)
KENNETH F. JURIST
MICHAEL L. KATZ (also NJ)
JOSHUA E. KIMERLING (also CT)
DANIEL F. LEARY (also CT)
BARRY E. LONG

(914) 761-1300
TELECOPIER (914) 761-5372/6405
www.cfwlaw.com

500 FIFTH AVENUE
NEW YORK, NEW YORK 10110
(212) 944-2841
TELECOPIER (212) 944-2843

WESTAGE BUSINESS CENTER
300 SOUTH LAKE DRIVE
FISHKILL, NEW YORK 12524
(845) 896-2229
TELECOPIER (845) 896-3672

STAMFORD, CONNECTICUT
NORWALK, CONNECTICUT

WILLIAM S. NULL
DAWN M. PORTNEY
ELISABETH N. RADOW
NEIL T. RIMSKY
RUTH E. ROTH
JENNIFER L. VAN TUYL
CHAUNCEY L. WALKER (also CA)
ROBERT L. WOLFE
DAVID E. WORBY

Of Counsel
MICHAEL R. EDELMAN
ANDREW A. GLICKSON (also CT)
ROBERT L. OSAR (also TX)
MARYANN M. PALERMO
ROBERT C. SCHNEIDER
LOUIS R. TAFFERA

January 29, 2002

VIA FEDERAL EXPRESS

Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: AT&T Wireless - EM-CROWN-097-991115
Berkshire Road, Newtown, Connecticut
Notice of Further Exempt Modification



Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

Crown Atlantic Company LLC ("Crown") holds the Siting Council certificate for the existing communications tower and related facility located off Berkshire Road, Newtown, Connecticut (Docket No. 89). On December 8, 1999 Crown, on behalf of AT&T Wireless ("AT&T"), received the Council's acknowledgement of a notice to modify the existing facility pursuant to Section 16-50j-72 of the Regulations of Connecticut State Agencies (EM-CROWN-097-991115) permitting AT&T to install panel antennas at the 135' level on the existing tower, with associated equipment cabinets located on a 14' x 8'-6" concrete pad within the fenced compound.

This notice of further exempt modification is also being provided pursuant to Section 16-50j-72 of the Council's regulations. In order for AT&T to install an additional equipment cabinet (approximately 76"H x 76"W x 30"D) at the facility, the existing concrete pad must be extended. AT&T proposes to add an 8'-6" x 3' poured concrete pad to the existing pad within the existing fenced compound. See plans prepared by URS Corporation annexed hereto as Exhibit 1. There will be no other infrastructure changes to AT&T's facility.

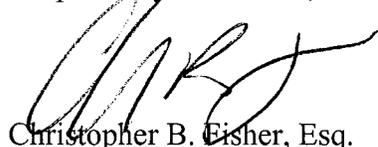
January 29, 2002

Page 2

The proposed addition of an equipment cabinet and associated concrete pad to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d). The proposed addition to AT&T Wireless' facility will not result in an increase in the Tower's height or extend the boundaries of the existing fenced area surrounding the Tower. Further, there will be no increase in noise levels by six (6) decibels or more at the Tower site's boundary. AT&T made measurements of the existing facility to confirm compliance with MPE limits and as set forth in a report prepared by Wireless Facilities, Inc., annexed hereto as Exhibit 2, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes. For all the foregoing reasons, addition of AT&T Wireless' cabinet to its existing facility constitutes an exempt modification which will not have a substantially adverse environmental effect.

AT&T Wireless respectfully submits that the proposed extension of the existing equipment pad and addition of the cabinet to the Berkshire Road Facility meets the Council's exemption criteria and requests an acknowledgment of same.

Respectfully Submitted,



Christopher B. Eisher, Esq.
On behalf of AT&T Wireless

cc: First Selectman, Town of Newtown
Darryl Hendrickson, Bechtel Telecommunications
Kenneth C. Baldwin, Robinson & Cole

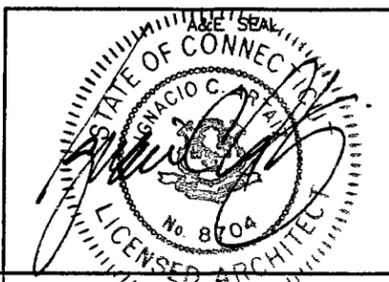


AT&T

BERKSHIRE SITE NUMBER: CT-181 SITE NAME: BERKSHIRE

Status	DOCUMENT REVIEW STATUS			
1	✓	Issue for Use		
2		Resolve Comments		
3		Resubmit Rev.:		
Review does not constitute acceptance or approval of design detail, calculations, analysis, test methods or materials developed or selected by the supplier. It also does not relieve the supplier from fully complying with contractual obligations.				
Reviewed By	Eng			
Date	9/17/01			

DRAWING INDEX	REV.	DIRECTIONS	PROJECT INFORMATION	
24623-313-CT-181-01 TITLE SHEET	0	TAKE THE I-91 SOUTH RAMP TOWARDS NEW HAVEN. MERGE ONTO I-91 SOUTH AND TAKE THE I-691 WEST EXIT, EXIT #18 TOWARDS MERIDAN/WATERBURY. MERGE ONTO I-691 WEST, TAKE THE I-84 WEST EXIT, EXIT #1 ON THE LEFT TOWARDS WATERBURY/DANBURY AND TAKE THAT EXIT, EXIT #11 TOWARDS CT 34, DERBY/NEW HAVEN, TURN RIGHT ONTO MILE HILL RD. THEN TURN LEFT ONTO CT-34.	SCOPE OF WORK: WIRELESS TELECOMMUNICATIONS FACILITY 3G EQUIPMENT UPGRADE SITE ADDRESS: ROUTE 34 NEWTOWN, CT 06470 PROPERTY OWNER: CROWN ATLANTIC COMPANY, LLC 375 SOUTHPOINTE BOULEVARD CANONSBURG, PA 15317 PROPERTY LESSEE: AT&T WIRELESS SERVICES, INC. 15 EAST MIDLAND AVENUE PARAMUS, NJ 07652 ZONING: BLOCK 10 LOT # 3 ANTENNA LOCATION: MONOPOLE EQUIPMENT LOCATION: OUTDOOR EQUIPMENT PAD LATITUDE: 41.41305 LONGITUDE: -73.27027 ELEVATION: 372' AMSL JURISDICTION: TOWN OF SANDY HOOK CURRENT USE: TELECOMMUNICATIONS FACILITY PROPOSED USE: TELECOMMUNICATIONS FACILITY RF DATA SHEET: 6/26/01 (REV 1) SITE TYPE: MONOPOLE	
24623-313-CT-181-02 SITE PLAN	0		VICINITY MAP NO SCALE 	CONTACT INFORMATION ARCHITECT/ENGINEER URS CORPORATION AES 795 BROOK STREET, BUILDING 5 ROCKY HILL, CT 06067 PHONE: (860) 529-8882 FAX: (860) 529-5566 GENERAL CONTRACTOR
24623-313-CT-181-03 EQUIPMENT LAYOUT PLAN AND GENERAL NOTES	0		RF ENGINEER TONY HOUWELLING (973) 386-8621	
24623-313-CT-181-04 ANTENNA PLAN, TOWER ELEVATION AND NOTES	0			
623-313-CT-181-05 BILL OF MATERIALS AND ANTENNA SCHEMATIC	0			
24623-313-CT-181-06 POWER/TELCO/GROUNDING PLAN	0			
24623-313-CT-181-07 ELECTRICAL DETAILS	0			
24623-313-CT-181-08 ELECTRICAL DETAILS	0			
STRUCTURAL REVIEW				
EXISTING ANTENNA AND EQUIPMENT SUPPORT STRUCTURE HAVE BEEN EVALUATED FOR THE REPLACEMENT/ADDITION ANTENNA AND COAX CABLES AND NO MODIFICATIONS TO THE ANTENNA AND SUPPORT STRUCTURE ARE REQUIRED.				



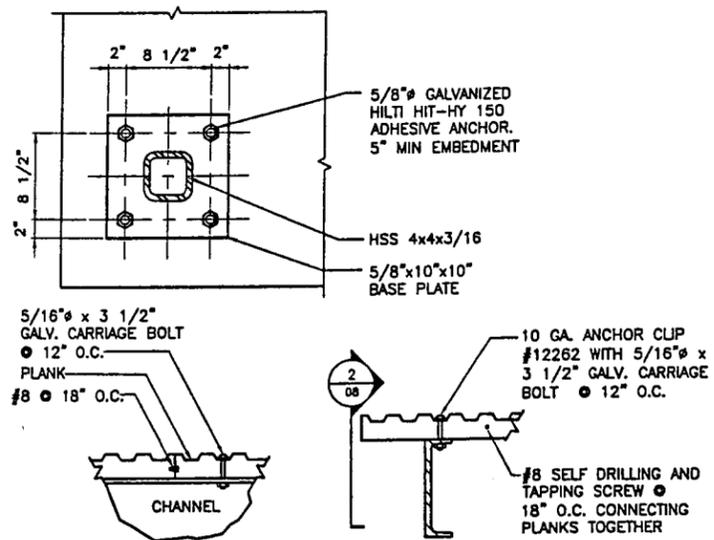
URS CORPORATION AES
 795 BROOK STREET, BUILDING 5
 ROCKY HILL, CONNECTICUT
 1-(860)-529-8882
 URS JOB NUMBER: F302099.64

BERKSHIRE CT-181
 21 BERKSHIRE AVENUE
 SANDY HOOK, CONNECTICUT

AT&T
 AT&T WIRELESS SERVICES, INC.
 15 EAST MIDLAND AVENUE
 PARAMUS, NJ 07652

NO.	DATE	REVISIONS	BY	CHK	APP'D
0	09/14/01	ISSUED FOR CONSTRUCTION	JGB	ICA	
SCALE: AS NOTED		DESIGNED: JGB	DRAWN: JPN		

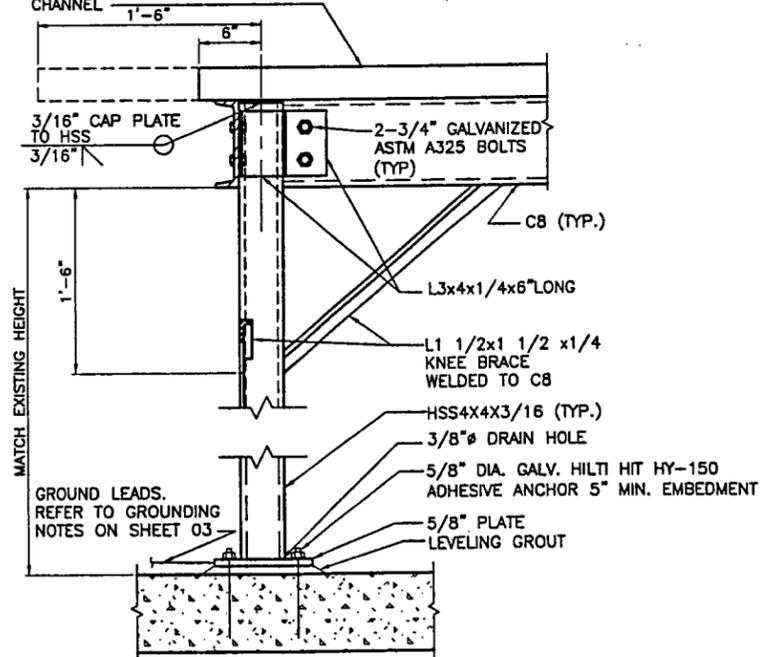
BERKSHIRE EXISTING MONOPOLE/OUTDOOR EQUIPMENT TITLE SHEET	
JOB NO.	DRAWING NUMBER
24623-313	CT-181-01
REV	0



TYPICAL ICE CANOPY DETAILS

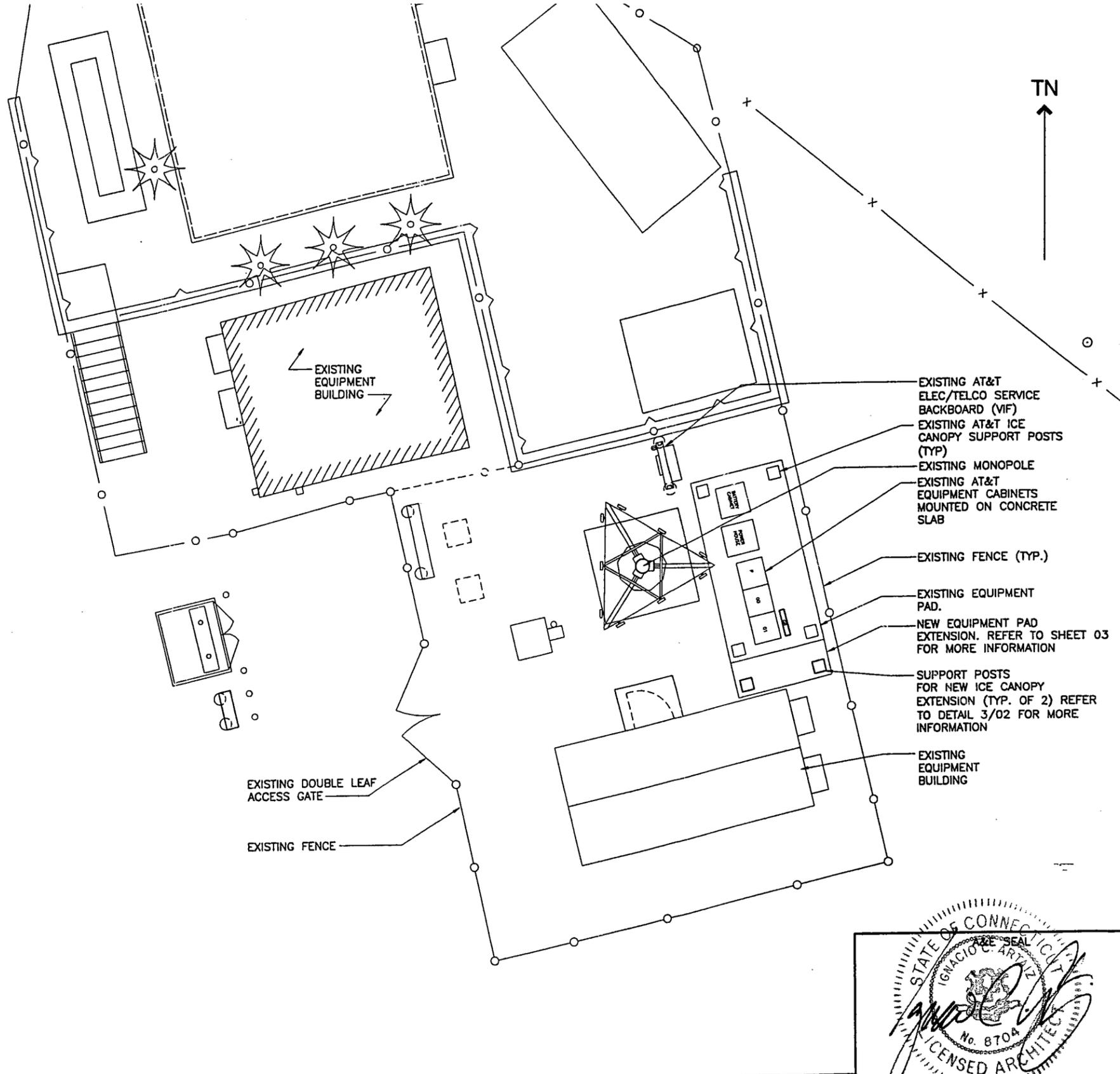
SCALE: 2
N.T.S.

PLANK: 10 DIAMOND GRIP STRUT 24" WIDE 3" DEPTH, 14GA. GALV. BY MCNICHOLS PRODUCT. SEE SECTION C & D FOR ATTACHMENT TO STEEL CHANNEL



SUPPORT POST FOR ICE CANOPY EXTENSION DETAIL

SCALE: 3
N.T.S.



SITE PLAN

SCALE: 1
N.T.S.

URS CORPORATION AES

795 BROOK STREET, BUILDING 5
ROCKY HILL, CONNECTICUT
1-(860)-529-8882

URS JOB NUMBER: F302099.64

**BERKSHIRE
CT-181**

21 BERKSHIRE AVENUE
SANDY HOOK, CONNECTICUT



AT&T WIRELESS SERVICES, INC.
15 EAST MIDLAND AVENUE
PARAMUS, NJ 07652

NO.	DATE	REVISIONS	BY	CHK	APP'D
0	09/14/01	ISSUED FOR CONSTRUCTION	JGB	ICA	

SCALE: AS NOTED DESIGNED: JGB DRAWN: JPN



**BERKSHIRE
EXISTING MONOPOLE/OUTDOOR EQUIPMENT
SITE PLAN**

JOB NO.	DRAWING NUMBER	REV
24623-313	CT-181-07	0

GENERAL NOTES:

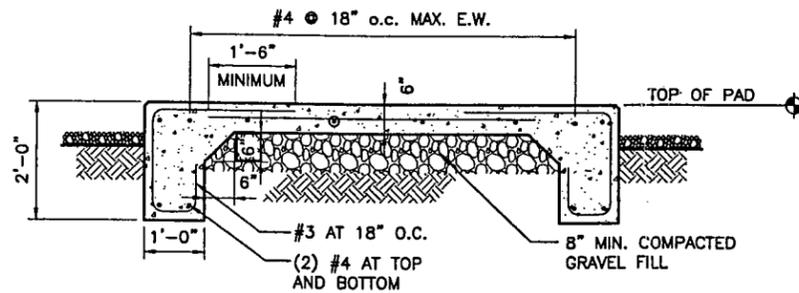
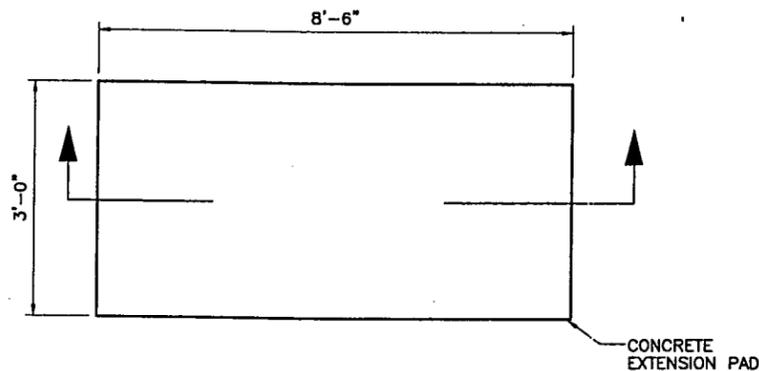
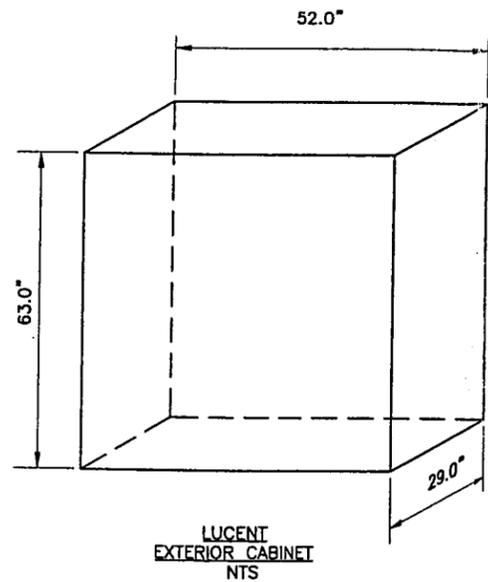
1. ALL WORK SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF NATIONAL, STATE, CITY AND LOCAL CODES, STANDARDS AND AMENDMENTS.
2. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM INFORMATION AND DRAWINGS PROVIDED BY BECTEL. SUBCONTRACTOR SHALL NOTIFY THE BECTEL CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
3. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED.
4. ALL ITEMS OTHER THAN WHAT IS NOTED IN THE BILL OF MATERIALS FOR ANTENNAS, WILL BE PROVIDED BY THE SUBCONTRACTOR.
5. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE BECTEL CONSTRUCTION MANAGER.
6. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF SPECIFICATIONS LISTED BELOW.
7. FIELD ROUTE ALL CONDUITS, CABLES, ETC. AS REQUIRED. CONFIRM THE EXACT ROUTING WITH THE ON-SITE BECTEL CONSTRUCTION MANAGER PRIOR TO THE START OF WORK.
8. ALL DAMAGE TO THE EXISTING STRUCTURE DURING THE CELL SITE UPGRADE MUST BE MADE GOOD TO THE PRE-CONSTRUCTION CONDITION OR BETTER.
9. REMOVE AND CLEAN UP ANY DEBRIS OR MATERIAL FROM THE SITE THROUGHOUT THE DURATION OF THE CONTRACT UPON COMPLETION OF THE WORK AS DIRECTED BY THE BECTEL CONSTRUCTION MANAGER.
10. THIS CELL SITE IS IN FULL COMMERCIAL OPERATION, THE SUBCONTRACTOR IS NOT TO DISRUPT THE EXISTING SITES NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH BECTEL AND AWS AND SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT. SINCE THIS 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.

REFERENCE SPECIFICATIONS:

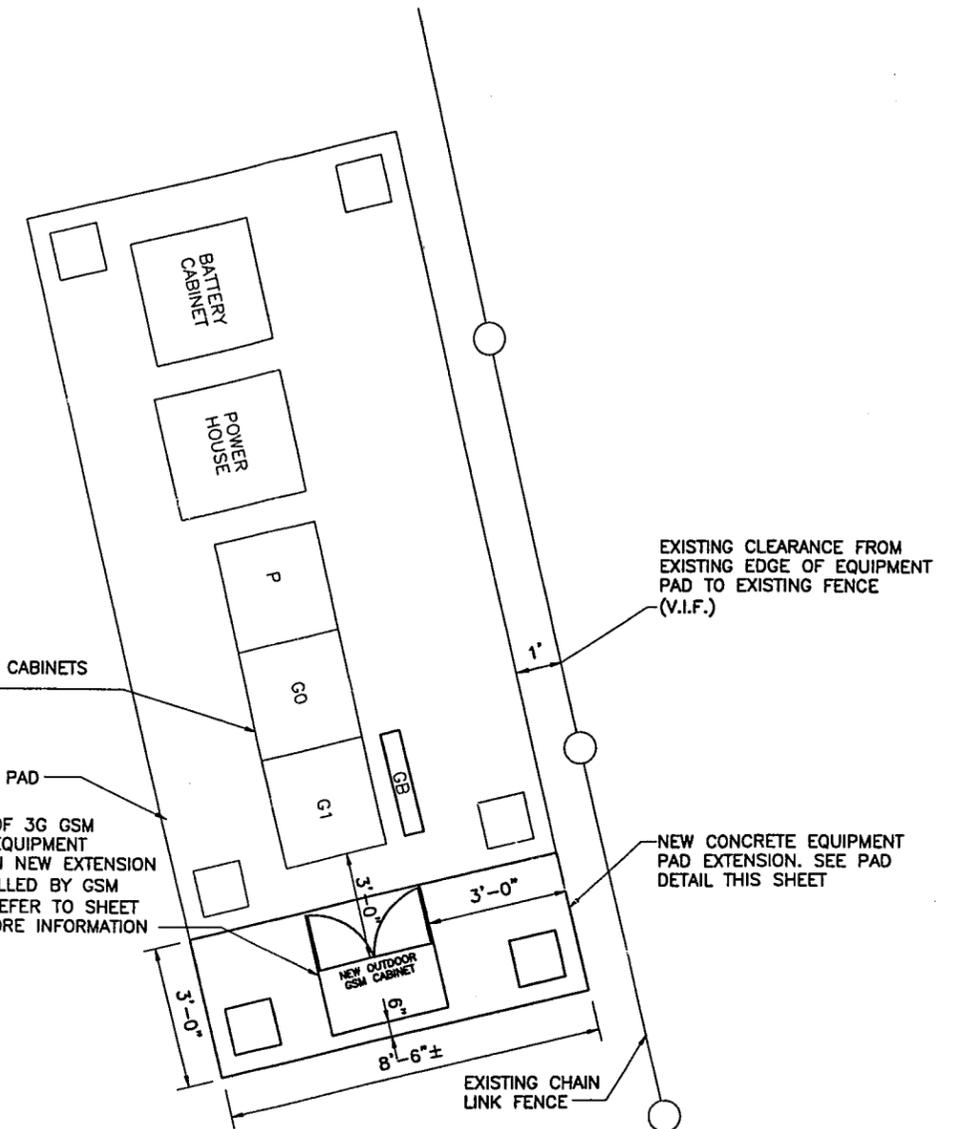
1. 24623-033-3PS-A00Z-00002, SCOPE OF WORK (EXHIBIT "D") FOR GENERAL CONSTRUCTION SERVICES.
2. 24623-033-3PS-A00Z-00005, (EXHIBIT "E") FOR GENERAL CONSTRUCTION SERVICES.

ELECTRICAL NOTES:

1. POWER:
SUBCONTRACTOR SHALL PROVIDE AND INSTALL ONE (1) 80A-2P BRANCH CIRCUIT BREAKER IN EXISTING AT&T POWER DISTRIBUTION PANEL IN AVAILABLE POSITION. PROVIDE TWO (2) #4 AWG AND ONE (1) #4 AWG (NEUTRAL) AND ONE (1) #4 AWG, GROUND IN 1" GRC FROM EXISTING AT&T DISTRIBUTION PANEL TO NEW 3G, GSM OUTDOOR CABINET. REFER TO SHEET 06 FOR ROUTING CONDUIT AND LOCATION OF EQUIPMENT. ROUTE CONDUIT UNDERGROUND TO EQUIPMENT PAD EXTENSION, STUB UP CONDUIT AND CONTINUE ROUTING ON EQUIPMENT PAD TO 3G GSM CABINET. FINAL TERMINATION OF WIRES WILL BE MADE BY LUCENT. REFER TO SHEET 08 (DETAIL 1) FOR CIRCUITING.
2. TELCO:
SUBCONTRACTOR SHALL PROVIDE (1.5 MBIT/S) CAT 5E, T-1 TELEPHONE CABLE IN 1" GRC FROM EXISTING TELCO BOX TO NEW 3G, GSM OUTDOOR CABINET. REFER TO SHEET 06 FOR ROUTING CONDUIT AND LOCATION OF EQUIPMENT. ROUTE CONDUIT UNDERGROUND TO EQUIPMENT PAD EXTENSION, STUB UP CONDUIT AND CONTINUE ROUTING ON EQUIPMENT PAD TO 3G GSM CABINET. FINAL TERMINATION OF WIRES WILL BE MADE BY LUCENT.
3. GROUND:
SUBCONTRACTOR SHALL PROVIDE #2 AWG STRANDED COPPER WIRE FOR GROUNDING THE LUCENT GSM CABINET FRAMES TO EXISTING GROUND RING. CONNECTION TO CABINET WILL BE MADE BY LUCENT. EXISTING GROUND BAR (IF CONVENIENTLY LOCATED) CAN BE USED FOR EQUIPMENT GROUNDING. REFER TO SHEET 06 FOR MORE INFORMATION. 2 GROUND CONNECTIONS TO BE PROVIDED. GROUND ICE CANOPY EXTENSION SUPPORT POSTS TO EXISTING AT&T MAIN GROUND BAR USING #2 AWG, BCW



- NOTES:**
1. GRAVEL SHALL BE NATURAL OR CRUSHED GRAVEL WITH 100 PERCENT PASSING 1 INCH SIEVE.



- NOTES:**
1. ALL DIMENSIONS TO BE VERIFIED IN FIELD.
 2. VERIFY LOCATIONS OF ALL ELECTRICAL EQUIPMENT IN FIELD.
 3. MAINTAIN MINIMUM CLEARANCES BETWEEN CABINETS AND SURROUNDING BUILDING PARTS/CABINETS.
 4. REFER TO SITE PLAN FOR EQUIPMENT PAD ORIENTATION.

GENERAL NOTES

SCALE: 2
N.T.S.

EQUIPMENT LAYOUT PLAN

SCALE: 1
N.T.S.

URS CORPORATION AES
795 BROOK STREET, BUILDING 5
ROCKY HILL, CONNECTICUT
1-(860)-529-8882
URS JOB NUMBER: F302099.64

BERKSHIRE CT-181
21 BERKSHIRE AVENUE
SANDY HOOK, CONNECTICUT

AT&T
AT&T WIRELESS SERVICES, INC.
15 EAST MIDLAND AVENUE
PARAMUS, NJ 07652

NO.	DATE	REVISIONS	BY	CHK	APP'D
0	09/14/01	ISSUED FOR CONSTRUCTION	JGB	ICA	
SCALE: AS NOTED DESIGNED: JGB DRAWN: JGB					



BERKSHIRE
EXISTING MONOPOLE/OUTDOOR EQUIPMENT
EQUIPMENT LAYOUT PLAN
AND GENERAL NOTES

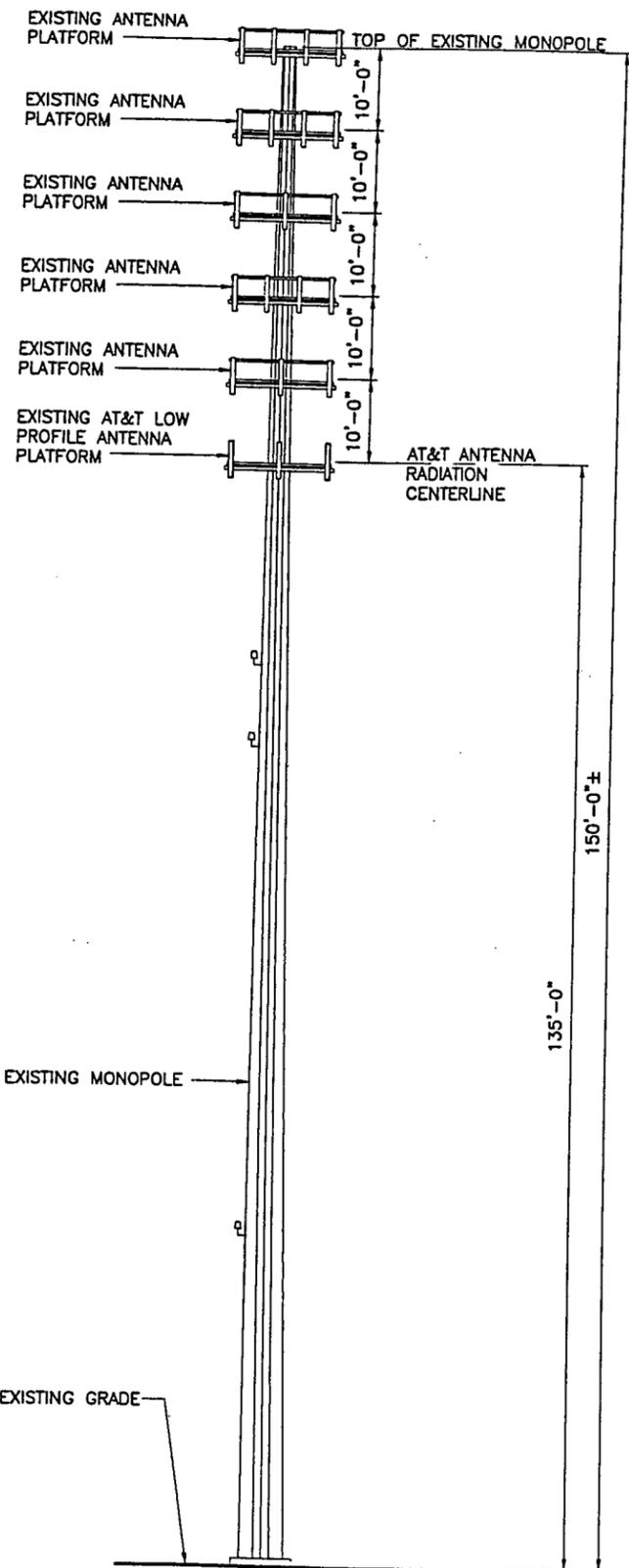
JOB NO.	DRAWING NUMBER	REV
24623-313	CT-181-03	0

CABLE INSTALLATION:

- ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL FOR SAFETY AND PROTECTION
COAXIAL CABLES SHALL BE PROTECTED FROM DAMAGE AND SHALL HAVE MINIMUM BEND RADIUS FOR THE SIZE AND MANUFACTURER OF THAT CABLE.
- SLACK SHALL BE LEFT IN CABLES LEAVING THE RACK TO THEIR TERMINATION POINTS. THIS IS DONE IN ORDER TO PROVIDE A STRESS RELIEF ON THE BALES AND CONNECTIONS IN THE EVENT OF SEISMIC ACTIVITY.
- ALL CABLES SHALL BE ROUTED AND INSTALLED IN A MANNER AS TO PROTECT THE CABLES FROM DAMAGE OF SHARP FIBER PAPER OR SPLIT PVC FIBER TUBING MAY BE USED.
- SUBCONTRACTOR SHALL NOT ROUTE CABLES THROUGH CABLE LADDER RACK RUNGS.
- SUBCONTRACTOR SHALL PROVIDE OR MODIFY CABLE TRAY AS REQUIRED TO FACILITATE EQUIPMENT INSTALLATION BASED ON THE LOCATION OF THE NEW EQUIPMENT.
- SUBCONTRACTOR SHALL VERIFY THE ACTUAL LENGTHS OF EACH JUMPER AND COAXIAL CABLE BEFORE INSTALLATION.

ABBREVIATIONS

AGL	ABOVE GRADE LEVEL
BTS	BASE TRANSCIEVER STATION
(E)	EXISTING
	MINIMUM
N.T.S.	NOT TO SCALE
REF	REFERENCE
RF	RADIO FREQUENCY
T.B.D.	TO BE DETERMINED
T.B.R.	TO BE RESOLVED
TYP	TYPICAL
REQ	REQUIRED
V.I.F.	VERIFY IN FIELD
AWG	AMERICAN WIRE GAUGE
BCW	BARE COPPER WIRE



TOWER ELEVATION

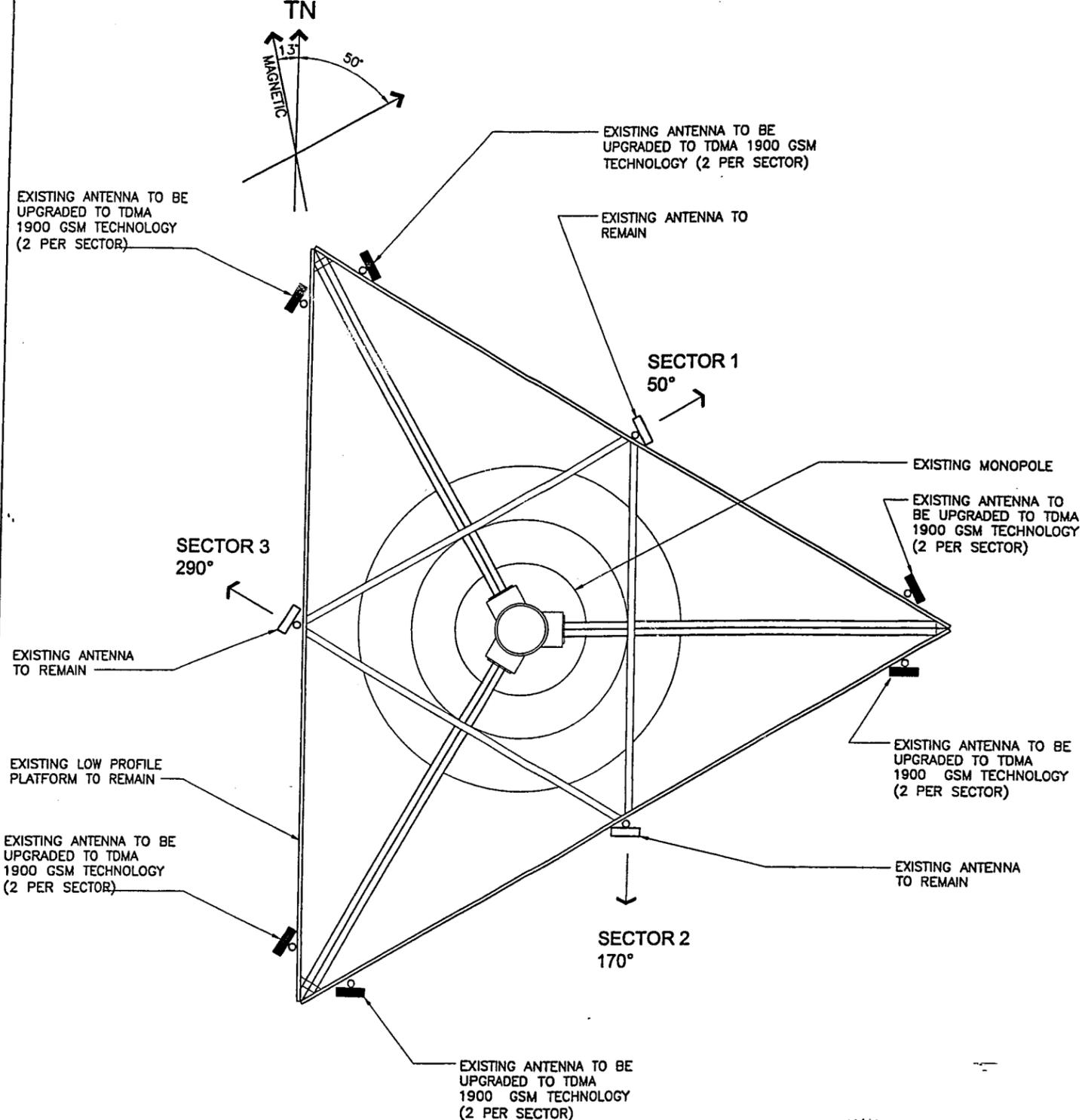
SCALE: N.T.S.

2

ANTENNA PLAN

SCALE: N.T.S.

1



NOTES:

- PRIOR COORDINATION WITH AWS AND EXISTING TOWER OWNER IS REQUIRED BEFORE ANY WORK ON EXISTING OPERATING CELL SITE EQUIPMENT.
- REFER TO SITE PLAN FOR ORIENTATION.



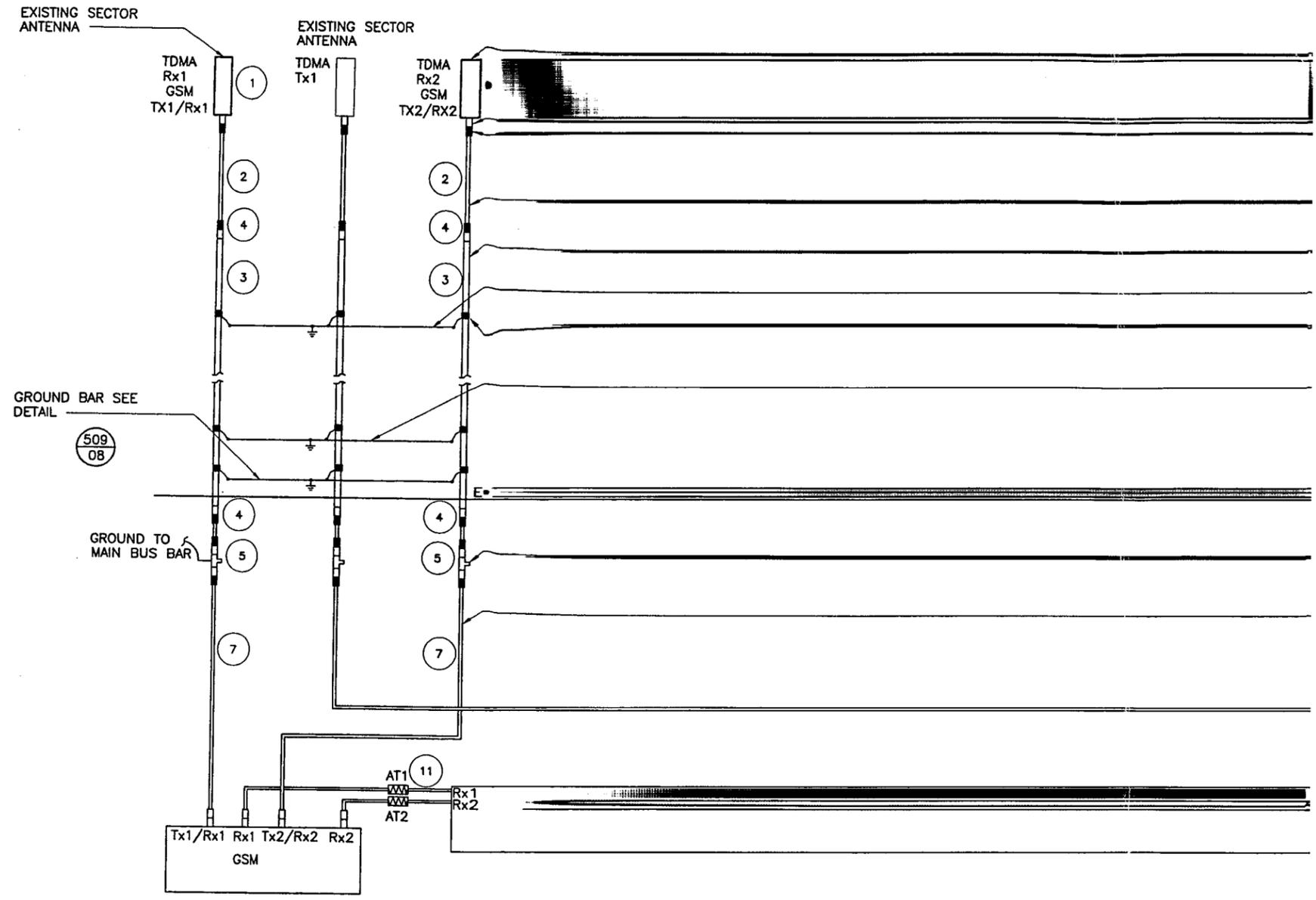
URS CORPORATION AES
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1-(860)-529-8882
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BERKSHIRE CT-181
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AT&T
AT&T WIRELESS SERVICES, INC.
15 EAST MIDLAND AVENUE
PARAJULUS, NJ 07652

NO.	DATE	REVISIONS	BY	CHK	APP'D
0	09/14/01	ISSUED FOR CONSTRUCTION	JGB	ICA	
SCALE: AS NOTED		DESIGNED: JGB	DRAWN: JGB		

BERKSHIRE EXISTING MONOPOLE/OUTDOOR EQUIPMENT ANTENNA PLAN, TOWER ELEVATION AND NOTES
JOB NO. 24623-313 | DRAWING NUMBER CT-181-04 | REV. 0



ANTENNA SECTORS 1, 2 AND 3
53_3/3VP SCHEMA

ANTENNA RISER

URS CORPORATION AES

795 BROOK STREET, BUILDING 5
ROCKY HILL, CONNECTICUT
1-(860)-529-8882
URS JOB NUMBER: F302099.64



Wireless Facilities, Inc.
 1840 Michael Faraday Drive
 Suite 200
 Reston, VA 20190

December 20, 2001

Mr. Mortimer A. Gelston, Chairman
 Connecticut Siting Council
 10 Franklin Square
 New Britain, CT 06051

RE: FCC Compliance Statement for AT&T Site CT-181 (Berkshire)

Dear Mr. Gelston:

On behalf of AT&T Wireless, Wireless Facilities Inc. has performed in-field RF measurements and office analyses for the above referenced site to determine compliance with FCC mandated Maximum Permissible Exposure (MPE) limits as defined in 47 CFR § 1.1310.

The table below gives a brief summary of the site location, its configuration and associated technical parameters.

Summary of the site configuration and technical parameters:

Site ID	CT-181
Site Name	Berkshire
Latitude	41.41305
Longitude	-73.27027
Address of structure	21 Berkshire Avenue, Sandy Hook, CT
Type of structure	Monopole
Antenna structure owner	AT&T Wireless services
Address of antenna owner	149 Water street, Norwalk, CT
FCC class and Type of service	PCS TDMA (IS-136)
Operating frequency	D, E bands (PCS)
Azimuths	50,170,290
Elevation (ft)	135
Antenna manufacturer	EMS Wireless
Antenna type	Panel

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where: S = Power density in W/m²
 EIRP = Effective isotropic radiated power (W)
 ERP = Effective radiated power (W)
 D = Distance in meters

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in μW/cm² is given by

$$S = \frac{33.4 * ERP}{D^2} \text{ (Section 2, OET bulletin 65).}$$

Where: S = Power density in μW/cm²
 ERP = Effective radiated power (W)
 D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	Point of Worst Case Predicted Level	Predicted Value μW/cm ²	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC μW/cm ²	% of the Standard
Current PCS TDMA configuration	1400 feet away in front of the antenna	0.42	1000	0.04
Future PCS TDMA and GSM configuration	1400 feet away in front of the antenna	0.45	1000	0.05

In addition to predictive analysis, on-site data was recorded at different locations around the monopole. In all areas, less than 3.25 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from the other carriers at that site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	Worst Case Measured Value $\mu\text{W}/\text{cm}^2$	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC $\mu\text{W}/\text{cm}^2$	% of the Standard
25 meters in front of sector 1	16.5	1000	1.65
40 meters in front of sector 2	32.5	1000	3.25
15 meters in front of sector 3	21.5	1000	2.15

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than 3.25 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.



Dan Hardiman
Senior Engineer II
Fixed Network Engineering

CUDDY & FEDER & WORBY LLP

90 MAPLE AVENUE
WHITE PLAINS, NEW YORK 10601-5196

(914) 761-1300

TELECOPIER (914) 761-5372/6405

www.cfwlaw.com

500 FIFTH AVENUE
NEW YORK, NEW YORK 10110
(212) 944-2841

TELECOPIER (212) 944-2843

WESTAGE BUSINESS CENTER
300 SOUTH LAKE DRIVE
FISHKILL, NEW YORK 12524

(845) 896-2229
TELECOPIER (845) 896-3872

STAMFORD, CONNECTICUT
NORWALK, CONNECTICUT

**CUDDY & FEDER
1971-1995**

WILLIAM S. NULL
DAWN M. PORTNEY
ELISABETH N. RADOW
NEIL T. RIMSKY
RUTH E. ROTH
JENNIFER L. VAN TUYL
CHAUNCEY L. WALKER (also CA)
ROBERT L. WOLFE
DAVID E. WORBY

Of Counsel

MICHAEL R. EDELMAN
ANDREW A. GLICKSON (also CT)
ROBERT L. OSAR (also TX)
MARYANN M. PALERMO
ROBERT C. SCHNEIDER
LOUIS R. TAFFERA

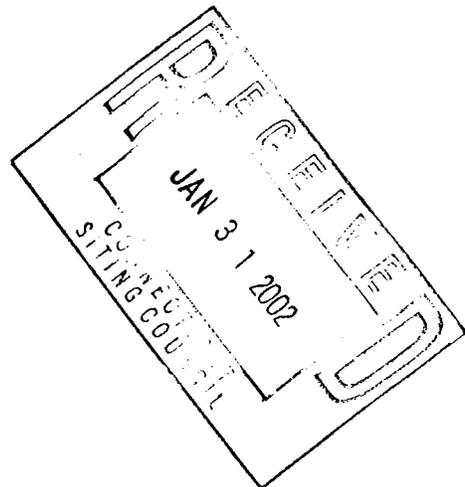
NEIL J. ALEXANDER (also CT)
CHARLES T. BAZYDLO (also NJ)
THOMAS R. BEIRNE (also DC)
THOMAS M. BLOOMER
JOSEPH P. CARLUCCI
KENNETH J. DUBROFF
ROBERT FEDER
CHRISTOPHER B. FISHER (also CT)
ANTHONY B. GIOFFRE III (also CT)
SUSAN E.H. GORDON
KAREN G. GRANIK
JOSHUA J. GRAUER
WAYNE E. HELLER (also CT)
KENNETH F. JURIST
MICHAEL L. KATZ (also NJ)
JOSHUA E. KIMERLING (also CT)
DANIEL F. LEARY (also CT)
BARRY E. LONG

January 29, 2002

VIA FEDERAL EXPRESS

Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: AT&T Wireless Notice of Exempt Modification
38 Kaechele Place, Bridgeport, Connecticut
1590 Newfield Avenue, Stamford, Connecticut
111 School House Road, Milford, Connecticut
36 Sugar Hollow Road, Danbury, Connecticut
90 Industrial Park, Middletown, Connecticut
525 Orange Center Road, Orange, Connecticut
Berkshire Road, Newtown, Connecticut
10 Willard Road, Norwalk, Connecticut
1027 Racebrook Road, Woodbridge, Connecticut



Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

On behalf of AT&T Wireless, we respectfully enclose an original and twenty copies of its notice of exempt modification with respect to the above mentioned facilities together with a check in the amount of \$500.00. We would appreciate it if these matters were placed on the next available agenda for acknowledgment by the Council. Should the Council or staff have any questions regarding this matter, please do not hesitate to contact us.

Very truly yours,
Linda Grant
Linda Grant

cc: Christopher B. Fisher, Esq.