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

June 26, 2002

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

RE: **EM-AT&T-013-020607** - AT&T Wireless notice of intent to modify an existing telecommunications facility located at 3 Polly Lane, Bozrah, Connecticut.

Dear Attorney Fisher:

At a public meeting held on June 25, 2002, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice received June 7, 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/laf

c: Honorable Keith J. Robbins, First Selectman, Town of Bozrah
Seymour Adelman, Planning and Zoning Chairman, Town of Bozrah
Robert Francis, Cordless Data Transfer, Inc.
Stephen J. Humes, Esq., LeBoeuf, Lamb, Greene & MacRae
Thomas F. Flynn III, Nextel Communications
Julie M. Donaldson, Esq., Hurwitz & Sagarin LLC
Sandy M. Carter, Verizon Wireless
Michele G. Briggs, SNET Mobility LLC

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

June 7, 2002

Honorable Keith J. Robbins
First Selectman
Town of Bozrah
Town Hall
1 River Road
Bozrah, CT 06334-0158

RE: **EM-AT&T-013-020607** - AT&T Wireless notice of intent to modify an existing telecommunications facility located at 3 Polly Lane, Bozrah, Connecticut.

Dear Mr. Robbins:

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 June 25, 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/dsj

Enclosure: Notice of Intent

c: Seymour Adelman, Planning and Zoning Chairman, Town of Bozrah

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NOTICE OF INTENT TO MODIFY AN
EXISTING TELECOMMUNICATIONS FACILITY
3 POLLY LANE, BOZRAH, CONNECTICUT

Pursuant to the Public Utility Environmental Standards Act, Connecticut General Statutes § 16-50g et. seq. ("PUESA"), and Sections 16-50j-72(b) of the Regulations of Connecticut State Agencies adopted pursuant to the PUESA, AT&T Wireless PCS, LLC d/b/a AT&T Wireless ("AT&T Wireless") hereby notifies the Connecticut Siting Council of its intent to modify an existing facility located at 3 Polly Lane, Bozrah, Connecticut (the "Polly Lane Facility"), owned by Cordless Data Transfer, Inc. ("CDC"). AT&T Wireless and the tower owner have agreed to share the use of the Polly Lane Facility as detailed below.

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SITING COUNCIL

The Polly Lane Facility

The Polly Lane Facility consists of an approximately one hundred eighty (180) foot guyed lattice tower (the "Tower") and associated equipment currently being used for wireless communications by Omnipoint, Nextel, Sprint, Verizon and SNET.

AT&T Wireless' Facility

As shown on the enclosed plans prepared by SEA Consultants Inc., including a site plan and tower elevation of the Polly Lane Facility, AT&T Wireless proposes shared use of the Facility by placing antennas on the Tower and equipment cabinets within the existing fenced compound needed to provide personal communications services ("PCS"). AT&T Wireless will install 6 panel antennas at approximately the 164 foot level of the Tower and associated equipment cabinets (2 proposed, 2 future, each 76"H x 30" W x 30" D) located on a concrete pad. As evidenced in the structural integrity report prepared by Fred A. Nudd Corporation, annexed hereto as Exhibit A, AT&T has confirmed that the tower is structurally capable of supporting the addition of AT&T Wireless' antennas.

AT&T Wireless' Facility Constitutes An Exempt Modification

The proposed addition of AT&T Wireless' antennas and equipment to the Polly Lane Facility constitutes an exempt "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d) and Council regulations promulgated pursuant thereto. Addition of AT&T Wireless' antennas and equipment to the Tower will not result in an increase of the Tower's height nor extend the site boundaries. Further, there will be no increase in noise levels by six (6) decibels or more at the Tower site's boundary. As set forth in an Emissions Report prepared by Mark van der Hoek, Radio Frequency Engineer, annexed hereto as Exhibit B, 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 and MPE limits established by the Federal Communications Commission. For all the foregoing reasons, addition of AT&T Wireless' facility to the Tower constitutes an exempt modification which will not have a substantially adverse environmental effect.

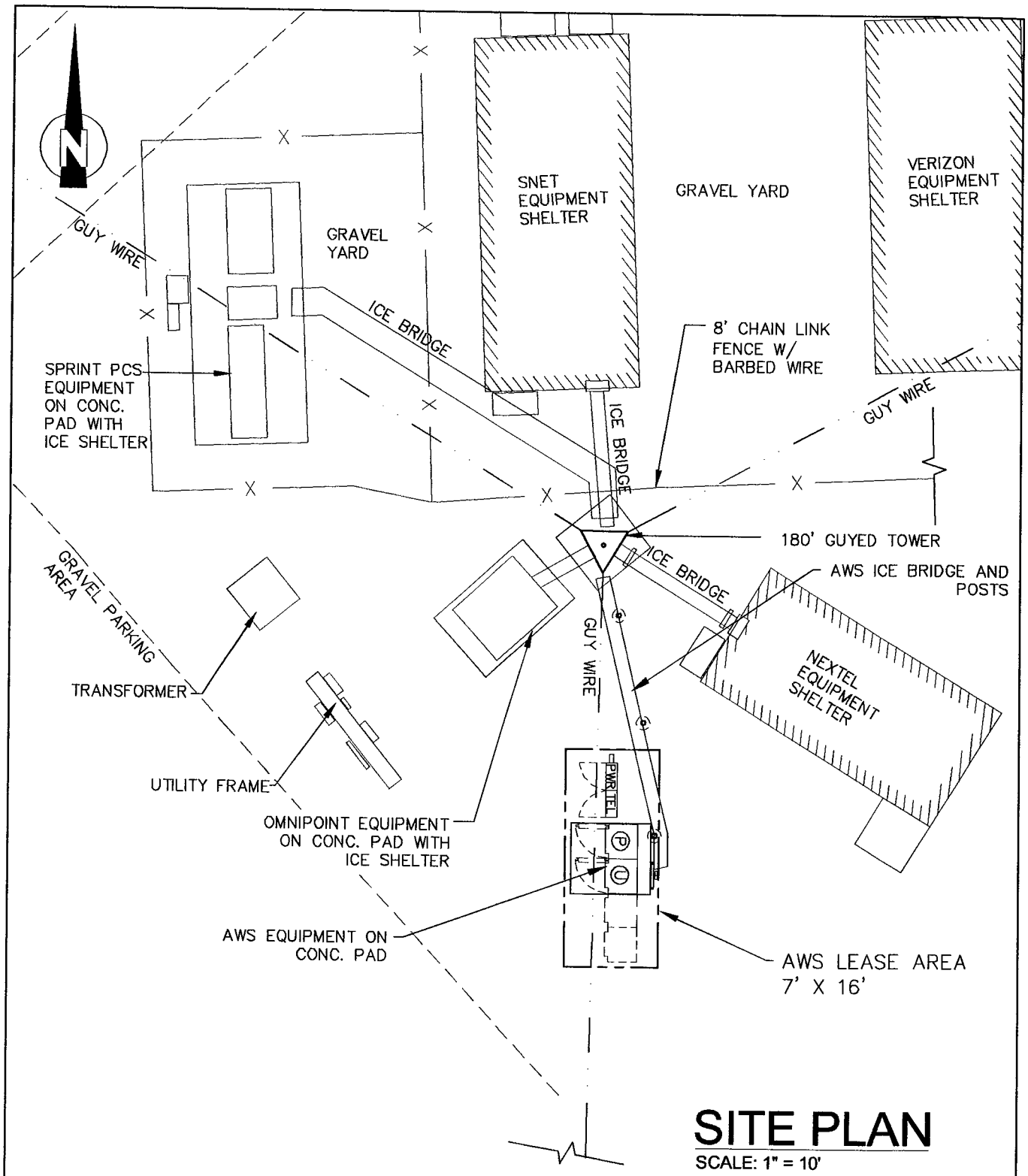
Conclusion

Accordingly, AT&T Wireless requests that the Connecticut Siting Council acknowledge that its proposed modification to the Polly Lane Facility meets the Council's exemption criteria.

Respectfully Submitted,

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

cc: First Selectman, Town of Bozrah
RJ Wetzel, Bechtel



SITE PLAN

SCALE: 1" = 10'

S E A Consultants Inc.
Science/Engineering/Architecture
2080 SILAS DEANE HWY, SUITE 302
ROCKY HILL, CT 06067

AT&T

AT&T WIRELESS SERVICES, INC.
12 OMEGA DRIVE
STAMFORD, CT 06907

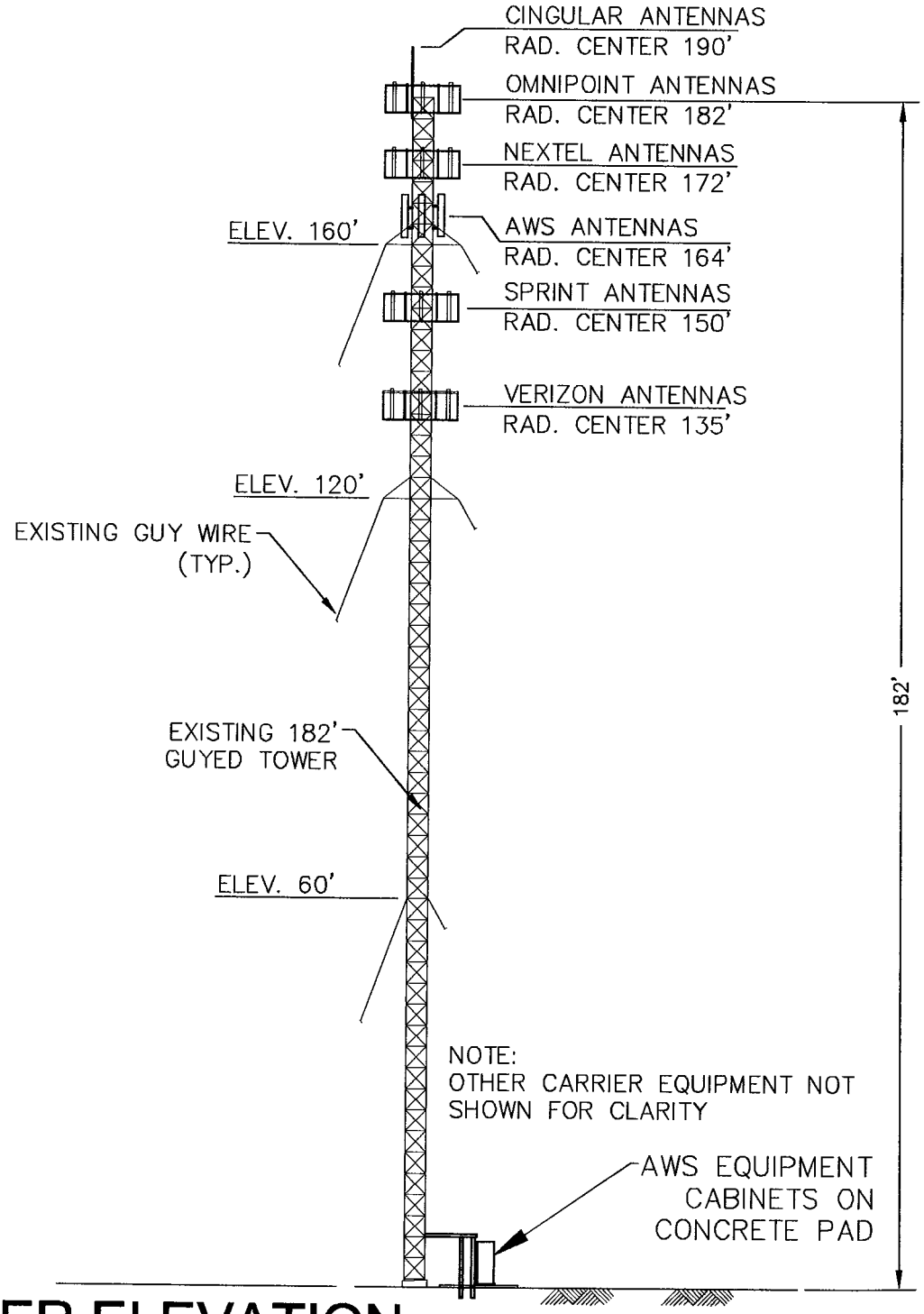
DRAWING TITLE:
SITE PLAN

PROJECT INFORMATION:
LEBANON SOUTH
CT 349
3 POLLY LANE
BOZRAH, CT

PROPERTY OWNER:
ALICE MAYNARD

DRAWING NO.
907-007-349A-SC1

REVISION NO.	0	DRAWN BY:	KBL
DATE ISSUED:	4/26/02	CHECKED BY:	SMB
SCALE:	AS NOTED	APPROVED BY:	SMB
		SHEET NO.	1 OF 1
SEA PROJECT NO:	2001418.01-A		



TOWER ELEVATION

NOT TO SCALE

S E A Consultants Inc.
Science/Engineering/Architecture
2080 SILAS DEANE HWY, SUITE 302
ROCKY HILL, CT 06067

AT&T

AT&T WIRELESS SERVICES, INC.
12 OMEGA DRIVE
STAMFORD, CT 06907

DRAWING TITLE:
ELEVATION

PROJECT INFORMATION:
LEBANON SOUTH
CT 349
3 POLLY LANE
BOZRAH, CT

PROPERTY OWNER:
ALICE MAYNARD

DRAWING NO.
907-007-349A-SC2

REVISION NO.	0	DRAWN BY:	KBL
DATE ISSUED:	4/28/02	CHECKED BY:	SMN
SCALE:	AS NOTED	APPROVED BY:	SMB
		SHEET NO.	1 OF 1
SEA PROJECT NO:	2001416.D1-A		

RF Exposure Analysis for Proposed AT&T Wireless Antenna Facility

SITE ID: 907-007-349

June 5, 2002

Prepared by AT&T Wireless Services, Inc.
Mark van der Hoek **RF Engineer**

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1. Introduction

This report constitutes an RF exposure analysis for the proposed AT&T Wireless antenna facility to be located at *3 Polly Lane, Bozrah, CT.* This analysis uses site-specific engineering data to determine the predicted levels of radio frequency (RF) electromagnetic energy in the vicinity of the proposed facility and compares those levels with the Maximum Permissible Exposure (MPE) limits established by the Federal Communications Commission.

2. Site Data

Site Name: ***Lebanon South***	
Number of simultaneously operating channels	12
Type of antenna	Allgon 7250.03
Power per channel (Watts ERP)	250.0 Watts
Height of antenna (feet AGL)	164 feet
Antenna Aperture Length	5 feet

3. RF Exposure Prediction

The following equations established by the FCC, in conjunction with the site data, were used to determine the levels of RF electromagnetic energy present in the vicinity of the proposed facility[1]:

$$PowerDensity = \frac{0.64 * N * EIRP(\theta)}{\pi * R^2} \ (mw/cm^2)$$ ***Eq. 1-Far-field***

Where, ***N***= Number of channels, ***R***= distance in cm from the RC (Radiation Center) of antenna, and ***EIRP(θ)*** = The isotropic power expressed in milliwatts in the direction of prediction point.

$$PowerDensity = \frac{P_{in} / ch * N * 10^3}{2 * \pi * R * h * \alpha / 360} \ (mw/cm^2)$$ ***Eq. 2-Near-field***

Where P_{in}/ch = Input power to antenna terminals in watts/ch, ***R*** = distance to center of radiation, ***h*** = aperture height in meters, α = 3 dB band-width of horizontal pattern.

[1] RF exposure is measured and predicted in terms of power density in units of milliwatts (mW), a thousandth of a watt, or microwatts (μ W), a millionth of a watt, per square centimeter (cm^2). Data comparing predictive analysis with on site measurements has demonstrated that power density can be effectively predicted at given locations in the vicinity of a wireless antenna facility.

4. FCC Guidelines for Evaluating the Environmental Effects of RF Radiation

In 1985, the FCC established rules to regulate radio frequency (RF) exposure from FCC licensed antenna facilities. In 1996, the FCC updated these rules, which were further amended in August 1997 by a Second Memorandum Opinion and Order. These new rules represent a consensus of the federal agencies responsible for the protection of public health and the environment, including the Environmental Protection Agency (EPA), the Food and Drug Administration (FDA), the National Institute for Occupational Health and Safety (NIOSH), and the Occupational Safety and Health Administration (OSHA).

Under the laws that govern the delivery of wireless communications services in the United States, as amended by the Telecommunications Act of 1996, the FCC has exclusive jurisdiction over RF emissions from personal wireless antenna facilities, which include cellular, PCS, messaging and aviation sites. [2] Pursuant to its authority under federal law, the FCC has established rules to regulate the safety of emissions from these facilities.

5. Comparison with Standards

Exhibit A shows the levels of RF electromagnetic energy as one moves away from the antenna facility. As shown in Exhibit A, the maximum power density is . 005093 mW/cm^2 which occurs at 140 feet from the antenna facility. The chart in exhibit A also shows that the power density is less than .00002 mW/cm^2 at a distance of 4 feet. Table 1 below shows the Maximum Permissible Exposure (MPE) limits established by the FCC. There are different MPE limits for public/uncontrolled and occupational/controlled environments.

Table 1: Maximum Permissible Exposure limits for RF radiation

Frequency	*Public/Uncontrolled*	*Occupational/controlled*	*Maximum power density at Accessible location*
Cellular	.580 mW/cm^2	2.9 mW/cm^2	.005093 mW/cm^2
PCS	1 mW/cm^2	5.0 mW/cm^2	

Since there are multiple transmitters at this site operating at different frequencies, the proper method for evaluating compliance with exposure limits is to find the percentage of MPE for each service, then sum the percentages to reach a total % of MPE for the site. (OET 65, pp 35-37)

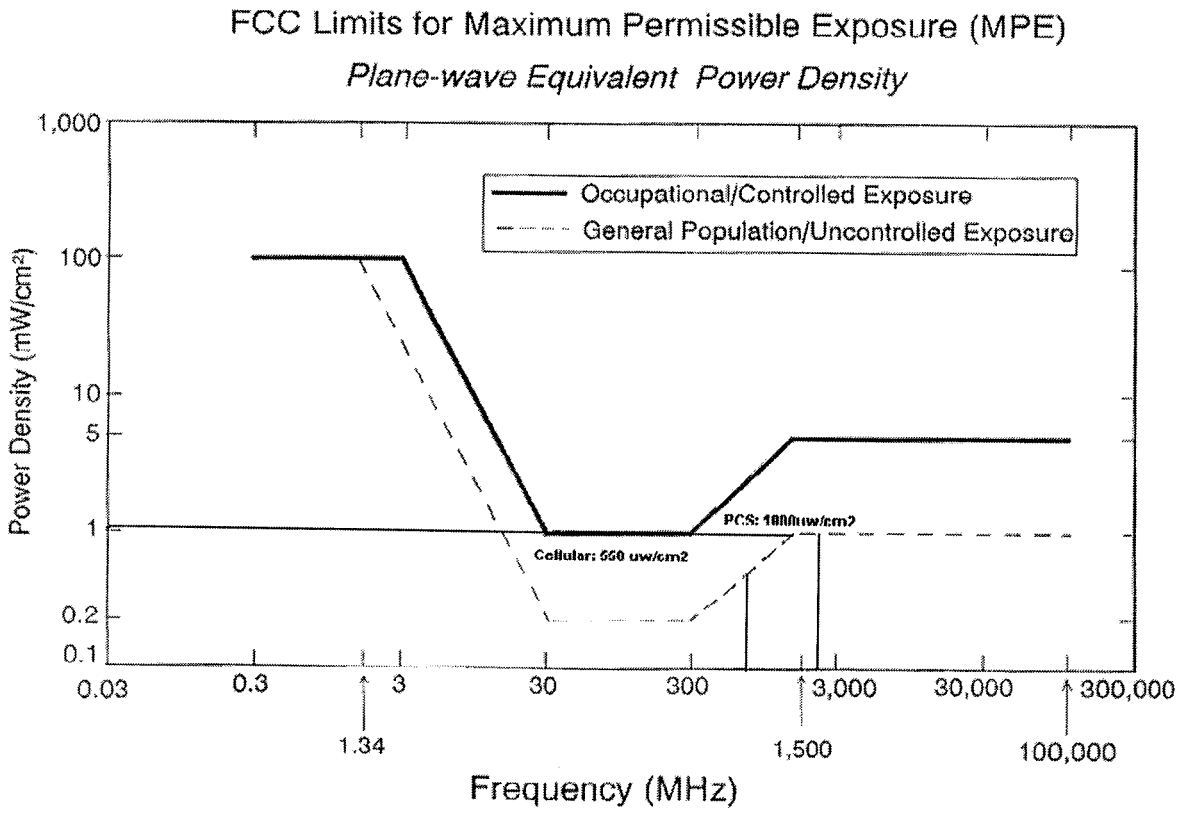
From the attached calculations it is seen that the total exposure for this site will be 0.87 % of MPE for uncontrolled (general public) exposure.

6. Conclusion

This analysis show that the maximum power density in accessible areas at this location will be 0.87% of MPE, a level of RF energy that is well below the Maximum Permissible Exposure limit established by the FCC.

[2] 47 U.S. C. Section 332 (c) (7)(B)(iv) states that "[n]o State or local government or instrumentality thereof may regulate the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that such facilities comply with the Commission's regulations concerning such emissions."

7. FCC Limits for Maximum Permissible Exposure



8. Exhibit A

9. For Further Information

Additional information about the environmental impact of RF energy from personal wireless antenna facilities can be obtained from the Federal Communications Commission:

Dr. Robert Cleveland
Federal Communications Commission
Office of Engineering and Technology
Washington, DC 20554

RF Safety Program: 202-418-2464
Internet address: rfsafety@fcc.gov
RF Safety Web Site: www.fcc.gov/oet/rfsafety

10. References

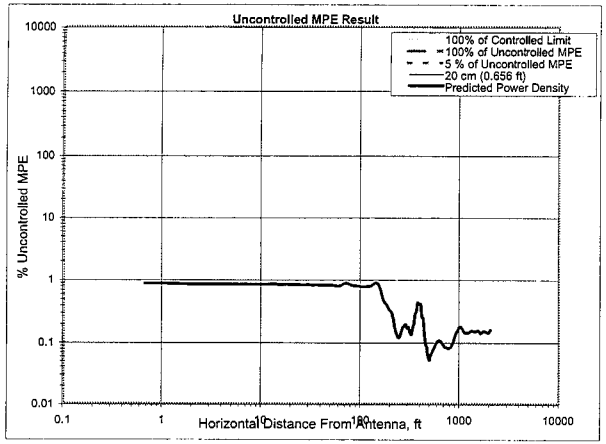
[1] The Communications Act of 1934, as amended by the Telecommunications Act of 1996, 47 U.S.C. Section 332 (c)(7)(B)(iv).

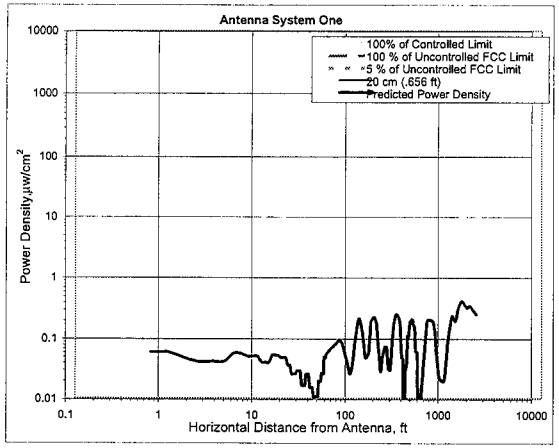
[2] *Guidelines for Evaluating the Environmental Effects of Radio frequency Radiation*, Notice of Proposed Rulemaking, ET Docket 93-62, 8 FCC Rcd 2849 (1993).

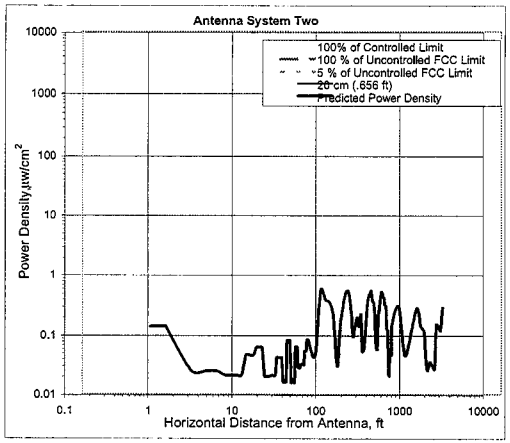
[3] *Guidelines for Evaluating the Environmental Effects of Radio frequency Radiation*, Report and Order, ET Docket 93-62, FCC 96-326, adopted August 1, 1996. 61 Federal Register 41006 (1996).

[4] *Guidelines for Evaluating the Environmental Effects of Radio frequency Radiation*, Second Memorandum Opinion and Order, ET Docket 93-62, adopted August 25, 1997.

[5] *Evaluating Compliance with FCC Guidelines for Human Exposure to Radio frequency Electromagnetic Fields*, OET Bulletin 65, August, 1997.







Number of Antenna Systems: 6

Meets FCC Controlled Limits for The Antennas Systems.

Meets FCC Uncontrolled Limits for The Antenna Systems.

Meets 5% of FCC Uncontrolled Limits for The Antenna Systems.

No Further Maximum Permissible Exposure (MPE) Analysis Required.

	Power Density		@Horiz. Dist.
	mW/cm²	% of limit	feet
Maximum Power Density =	0.005093	0.87	140.00
115.31 times lower than the MPE limit for uncontrolled environment			
Composite Power (ERP) =	44,250.00	Watts	

Site ID: 907-007-349
Site Name: Lebanon South
Site Location: 3 Polly Lane
Bozrah, CT

Performed By: Mark G. van der Hoek

Date: 6/5/02

Antenna System One

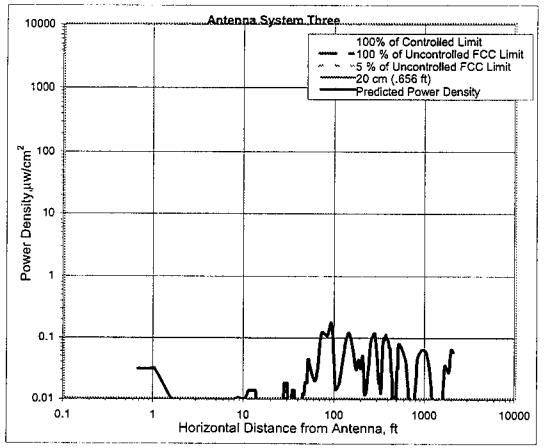
	units	Value
Frequency	MHz	1945.00
# of Channels	#	12
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	5.86
(Center of Radiator)	feet	164.00
Calculation Point (above ground or roof surface)	feet	6.00
		0.00
		0.00
Antenna Model No.		Allgon 7250.03
Max Ant Gain	dBd	16.30
Down tilt	degrees	2.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	5.11
Ant HBW	degrees	65.00
Distance to Ant_{bottom}	feet	155.45
WOS?	Y/N?	n

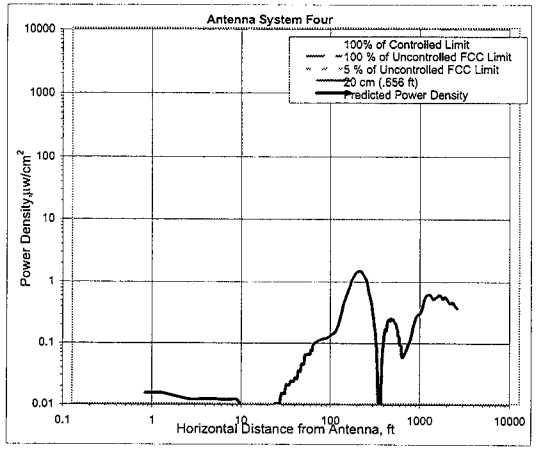
Ant System ONE Owner: AT&T
Sector: 3
Azimuth: 0/120/240

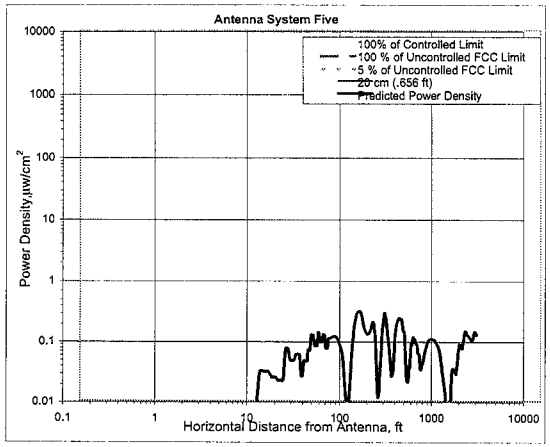
Antenna System Two

	units	Value
Frequency	MHz	860.00
# of Channels	#	60
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	9.08
(Center of Radiator)	feet	190.00
Calculation Point (above ground or roof surface)	feet	6.00
		0.00
		0.00
Antenna Model No.		RR901700
Max Ant Gain	dBd	14.40
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	4.66
Ant HBW	degrees	90.00
Distance to Ant_{bottom}	feet	181.67
WOS?	Y/N?	n

Ant System TWO Owner: Cingular
Sector: 0
Azimuth 0







Antenna System Three

	units	Value
Frequency	MHz	1965.00
# of Channels	#	12
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	9.08
(Center of Radiator)	feet	182.00
Calculation Point (above ground or roof surface)	feet	6.00
		0.00
		0.00
Antenna Model No.		RR901700
Max Ant Gain	dBd	14.40
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	4.66
Ant HBW	degrees	90.00
Distance to Ant_{bottom}	feet	173.57
WOS?	Y/N?	n

Ant System Three Owner: Omnipoint
Sector: 0
Azimuth 0

Antenna System Four

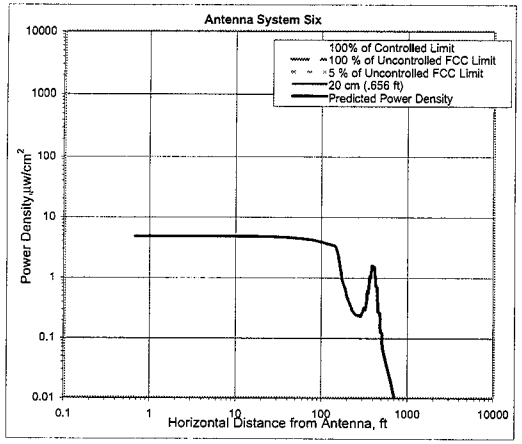
	units	Value
Frequency	MHz	850.00
# of Channels	#	24
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	15.77
(Center of Radiator)	feet	172.00
Calculation Point (above ground or roof surface)	feet	6.00
		0.00
		0.00
Antenna Model No.		DB844H90-XY
Max Ant Gain	dBd	12.00
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	4.00
Ant HBW	degrees	90.00
Distance to Ant_{bottom}	feet	164.00
WOS?	Y/N?	n

Ant System Four Owner: Nextel
Sector: 0
Azimuth: 0

Antenna System Five

	units	Value
Frequency	MHz	1965.00
# of Channels	#	9
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	9.08
(Center of Radiator)	feet	150.00
Calculation Point (above ground or roof surface)	feet	6.00
		0.00
		0.00
Antenna Model No.		RR901702
Max Ant Gain	dBd	14.40
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	4.66
Ant HBW	degrees	90.00
Distance to Ant_{bottom}	feet	141.57
WOS?	Y/N?	n

Ant System Five Owner: Sprint
Sector: 0
Azimuth: 0



Antenna System Six

	units	Value
Frequency	MHz	880.00
# of Channels	#	60
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	0.08
(Center of Radiator)	feet	135.00
Calculation Point	feet	6.00
(above ground or		0.00
roof surface)		0.00
Antenna Model No.		DB844H20
Max Ant Gain	dBd	34.70
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	4.00
Ant HBW	degrees	80.00
Distance to Ant_{bottom}	feet	127.00
WOS?	Y/N?	n

Ant System SIX Owner: Verizon
Sector: 0
Azimuth: 0

FRED A. NUDD CORPORATION

1743 ROUTE 104, BOX 577
ONTARIO, NY 14519
(315) 524-2531 FAX (315) 524-4249
www.nuddtowers.com

Analysis of
190' Guyed Tower

MODEL #: G42WPAR

PROJECT #: 8869

LOCATION: Bozrah, CT

for

CDT
Box 363
17 Ridgewood Dr.
Marlborough, CT 06447

March, 2002

STATE OF CONNECTICUT
GEORGE R. UNDERHILL
PROFESSIONAL ENGINEER

FRED A. NUDD CORPORATION

1743 ROUTE 104, BOX 577
ONTARIO, NY 14519
(315) 524-2531 FAX (315) 524-4249

www.nuddtowers.com

March 27, 2002

Bob Francis
CDT
Box 363
Marlborough, CT 06447

Bob,

We have completed the analysis of the CDT – Bozrah tower and have found it adequate within the scope of this analysis to support the proposed antenna loading. The analysis was performed using 85 mph wind speed with 1/2" radial ice per EIA/TIA 222-F recommended standard.

The tower we analyzed is a 180' Nudd G42WPAR guyed tower consisting of pipe legs and angle/rod bracing. Tower sections are all-welded with a face dimension of 42". Foundation capacities were predicated on original design criteria.

The antenna loading used in the analysis consisted of the configuration shown on drawing 02-8869-1. The results of the analysis showed all tower and foundation elements to be loaded within allowable limits.

If you have any questions concerning this analysis, please contact me.

Sincerely,

FRED A. NUDD CORPORATION

Patrick Botimer
Engineer

PRIMARY ASSUMPTIONS USED IN THE ANALYSIS

1. Allowable steel stresses are defined by AISC-ASD 9th Edition.
2. All tower members adequately galvanized to prevent corrosion of steel members.
3. All proposed antenna mounts are modeled as Nudd manufactured.
4. No residual stresses due to incorrect tower erection.
5. All bolts are appropriately tightened providing the necessary connection continuity.
6. All welds conform to the requirements of AWS D1.1.
7. We have assumed an allowable wind speed of 85 mph (original design) per EIA/TIA 222-F standard for analysis purposes.
8. The acceptability of the analyzed antenna loading is the responsibility of CDT to confirm with the tower tenants.
9. Any deviation from the analyzed antenna loading will require a tower analysis for verification of structural integrity.
10. This analysis has been commissioned by Bob Francis of CDT who has provided information about the proposed antennas and location.

SYNOPSIS OF TOWER ANALYSIS

1. Wind loading conditions considered:
   75% wind load with concurrent 1/2" ice.
   100% wind with no ice.

Worst wind load case is wind with ice.

2. Maximum Leg Load:	65% loaded
3. Tower Bracing:	85% loaded
4. Foundations:	92% loaded
5. Guy Cables:	91% loaded

TOWER A[illegible]S CONDITIONS
This t[illegible] been analyzed to conform to the requirments
of ANSI/[illegible]IA 222-F recommended standard for 85 mph wind speed with 1/2" radial ice.
Worst case load condition is wind with ice with load reduction.
Allowable steel stresses per AISC ASD 9th Edition
Allowable concrete stresses per ACI 318-89.

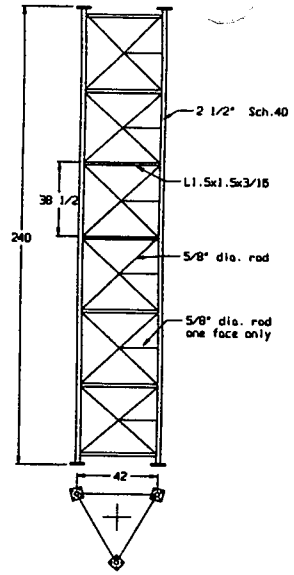
MATERIAL ASSUMPTIONS
Tower Legs: ASTM A500, Fy > 60 ksi.
All other Steel: ASTM A36, Fy > 36 ksi
Hardware: ASTM A325 Hot Dipped Galvanized Bolts with Anco Nuts.
Galvanizing: ASTM A123
Guy Anchor Shaft: ASTM A36M, Fy > 48 ksi
***Results of tower mast analysis: Pass
***Results of foundation analysis: Pass
***Results of cable analysis: Pass

TOWER LOA[illegible]NDITIONS

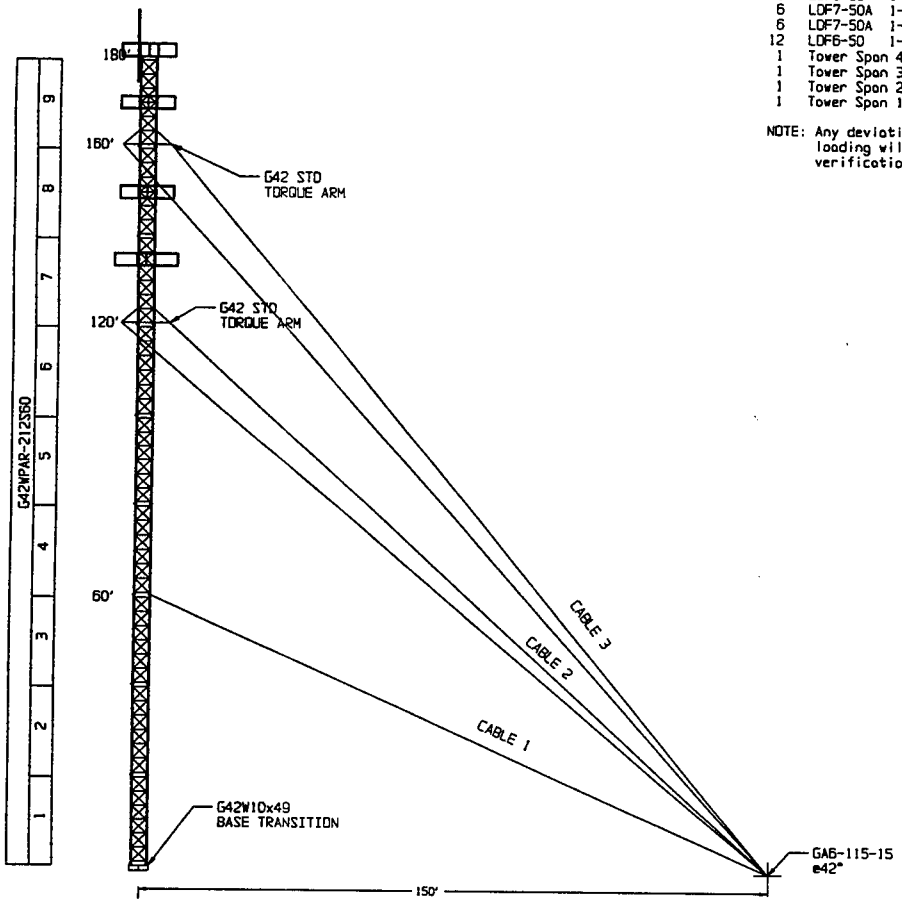
QTY	Antenna	Elevation	Windload	Deadload	
3	EMS RR90-10	190	166	18	(E) Cingular
6	EMS RR90-17	182	118	18	(E) Omnipoint
3	12' Cellular Boom	182	286	170	
9	DB844H90	172	102	10	(E) Nextel
3	12' Cellular Boom	172	282	170	
1	G42 Torque Arm	160	527	262	
6	Allgon 7250	164	92	15	(P) AT&T
3	8' T-Arm	164	326	600	
6	DB980H90-KM	150	104	9	(E) Sprint
3	12' Cellular Boom	150	271	170	
12	DB844H90	135	95	10	(E) Nextel
3	14' Cellular Boom	135	326	190	
1	G42 Torque Arm	120	486	262	

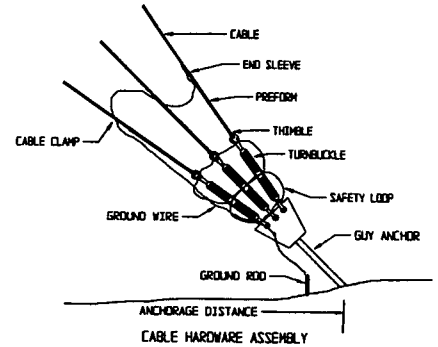
QTY	Type		Elevation Start	Elevation Stop	#/ft Windload	#/ft Deadload
3	LDF6-50	1-1/4	170	190	5.4	1.9
6	LDF6-50	1-1/4	170	182	5.3	1.9
9	LDF6-50	1-1/4	170	172	5.2	1.9
6	LDF7-50A	1-5/8	10	164	0.0	2.4
6	LDF7-50A	1-5/8	0	150	0.0	2.4
12	LDF6-50	1-1/4	10	135	0.0	1.9
1	Tower Span 4		170	190	46.2	57.8
1	Tower Span 3		120	170	236.3	115.6
1	Tower Span 2		60	120	206.4	115.6
1	Tower Span 1		0	60	154.5	118.6

NOTE: Any deviation from the proposed design antenna loading will require a tower analysis for verification of structural integrity.



G42WPAR TOWER SECTION





CABLE HARDWARE ASSEMBLY

NOTE: Install cable hardware per manufacturer's specifications.

GUY CABLE SCHEDULE

CABLE:	QTY/Type	Length	Ti	Turnbuckle	Preform	Thnbl	Endslve	Shckl
Cable 3:	2 @ 5/8x7 EHS	227'	6360#	1"x18" J-J	5/8" BG	3/4"	65268	3/4"
Cable 2:	2 @ 9/16x7 EHS	192'	5250#	7/8"x12" J-J	9/16" BG	5/8"	65267	3/4"
Cable 1:	1 @ 9/16x7 EHS	161'	5250#	7/8"x12" J-J	9/16" BG	5/8"	65267	3/4"

NOTE: Cable lengths assume anchors at elevation 0'.
Cable lengths and anchor layout must compensate for site topography.

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SCALE: N/S
DATE: 03/27/02
DRAWN BY: PCB

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ANALYSIS OF 180' G42WPAR

CORDLESS DATA TRANSFER
BOZRAH, CT

DRAWING NUMBER: 02-8869-1