



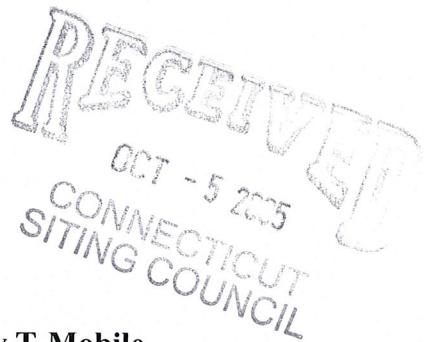
TS-T-MOBILE-058-051005

100 Filley Street, Bloomfield, CT 06002
860-692-7100 fax 860-692-7159
hkarina@adelphia.net

October 5, 2005

BY HAND

Pamela B. Katz, Chairman and
Members of the Siting Council
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051



RE: **Tower Sharing Request by T-Mobile**
2172 Glasgo Road Griswold, CT
Latitude: 41 32 13 / Longitude: 71 52 23

Dear Ms. Katz and Members of the Siting Council:

Pursuant to Connecticut General Statutes (C.G.S.) § 16-50aa, Omnipoint Communications, Inc. a.k.a. T-Mobile (formerly Voicestream Wireless Corp.) hereby requests an order from the Connecticut Siting Council ("Council") to approve the proposed shared use of an existing communications tower, located at 2172 Glasgo Road, in Griswold ("Wireless Solutions Griswold "), owned by Wireless Solutions. T-Mobile and Wireless Solutions have agreed to the shared use of the Wireless Solutions Griswold Facility, as detailed below.

Wireless Solutions Griswold Facility

The Wireless Solutions Griswold Facility consists of a one hundred ninety (190) foot high-guyed tower ("Tower") owned and operated by Wireless Solutions. T-Mobile proposes to locate antennas at a mounting centerline height of one hundred eighty five (185) feet. The equipment will be located within the existing leased area located at the base of the tower.

~ ORIGINAL ~

Wireless Solutions Griswold Facility

As shown on the enclosed plans prepared by Westcott and Mapes, Inc. including a site plan and tower elevation of the Wireless Solutions Griswold Facility, annexed hereto as Exhibit 1, T-Mobile proposes a shared use of the Facility by placing antennas on the tower and equipment needed to provide personal communications services ("PCS") within the existing site plan. T-Mobile will install nine (9) antennas at the one hundred eighty-five (185) foot level of the Tower. Three (3) associated unmanned equipment cabinets will be located at the base of the tower.

Connecticut General Statutes § 16-50aa provides that, upon written request for shared use approval, an order approving such use shall be issued, "if the council finds that the proposed shared use of the facility is technically, legally, environmentally and economically feasible and meets public safety concerns." (C.G.S. § 16-50aa(c)(1).) Further, upon approval of such shared use, it is exclusive and no local zoning or land use approvals are required C.G.S. §16-50x. Shared use of the Wireless Solutions Griswold Facility satisfies the approval criteria set forth in C.G.S. § 16-50aa as follows:

- A. Technical Feasibility The existing Tower and compound were designed to accommodate multiple carriers. A structural analysis of the Tower with the proposed T-Mobile installation has been performed and is attached as Exhibit 2. The structural analysis concludes that the tower can safely accommodate the proposed T-Mobile antennas. The proposed shared use of this Tower is technically feasible. There is sufficient room at the base of the facility, T-Mobile will locate their equipment within the existing leased area and then will replace the fence to surround their equipment.
- B. Legal Feasibility Pursuant to C.G.S. § 16-50aa, the Council has been authorized to issue an order approving shared use of the existing Wireless Solutions Griswold Facility. (C.G.S. § 16-50aa (C)(1)). Under the authority vested in the Council by C.G.S. § 16-50aa, an order by the Council approving the shared use of a tower would permit the Applicant to obtain a building permit for the proposed installation.
- C. Environmental Feasibility The proposed shared use would have a minimal environmental effect, for the following reasons:

- 1.) The proposed installation would have a de minimis visual impact, and would not cause any significant change or alteration in the physical or environmental characteristics of the existing facility;
- 2.) The proposed installation by T-Mobile would not increase the height of the tower nor expand the existing leased area at the Wireless Solutions Griswold and will be of minimal impact to the facility;
- 3.) The proposed installation would not increase the noise levels at the existing facility boundaries by six decibels or more;
- 4.) Operation of T-Mobile's antennas at this site would not exceed the total radio frequency electromagnetic radiation power density level adopted by the FCC and Connecticut Department of Health. The "worst case" exposure calculated for the operation of this facility for all carriers would be approximately 4.9% of the standard. See Radio Frequency memo dated October 3, 2005 prepared by Marlon DePaz, annexed hereto as Exhibit 3;
- 5.) The proposed shared use of the Wireless Solutions Griswold Facility will not require any water or sanitary facilities, or generate any air emissions or discharges to water bodies. Further, the installation will not generate any traffic other than for periodic maintenance visits.

D. Economic Feasibility The Applicant and the tower owner have agreed to share use of the Wireless Solutions Griswold Facility on terms agreeable to both parties. The proposed tower sharing is therefore economically feasible.

E. Public Safety As stated above and evidenced in the Radio Frequency Field Survey annexed hereto as Exhibit 3, the operation of T-Mobile's antennas at this site would not exceed the total radio frequency electromagnetic radiation power density level adopted by the FCC and Connecticut Department of Health. Further, the addition of T-Mobile's telecommunications service in the Griswold area through shared use of the Wireless Solutions Griswold Facility is expected to enhance the safety and

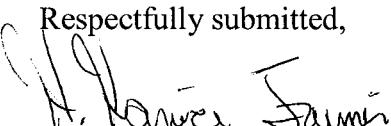
welfare of local residents and travelers through the area resulting in an improvement to public safety in this area.

Page 4

Conclusion

As delineated above, the proposed shared use of the Wireless Solutions Griswold Facility satisfies the criteria set forth in C.G.S. § 16-50aa, and advances the General Assembly's and the Siting Council's goal of preventing the proliferation of tower in the State of Connecticut. T-Mobile therefore requests the Siting Council issue an order approving the proposed shared use of the Wireless Solutions Griswold Facility.

Respectfully submitted,



Karina Fournier
Zoning Dept.
T-Mobile
100 Filley St.
Bloomfield, CT 06002
(860) 692-7100

cc: Griswold First Selectmen, Paul J. Brycki

Exhibit 1

WIRELESS SOLUTION

2172 GLASGO RO
GRISWOLD, CT 06

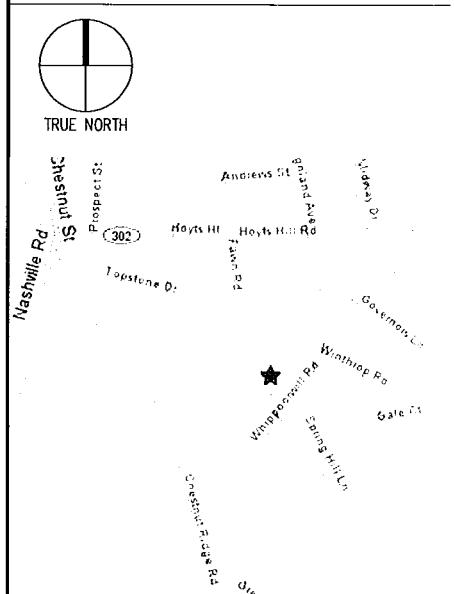
SITE NUMBER: CT

SITE TYPE: CO-LO

GENERAL NOTES

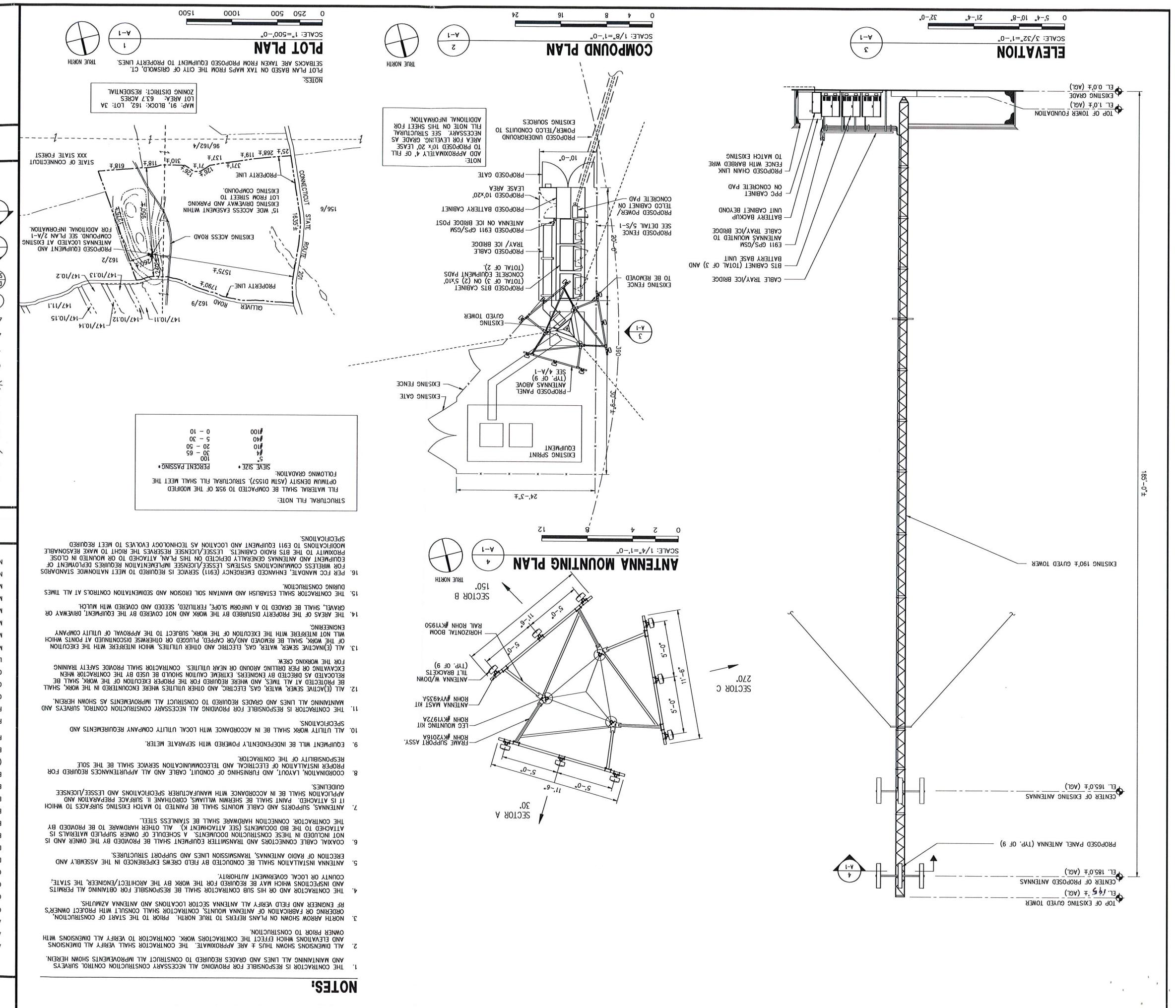
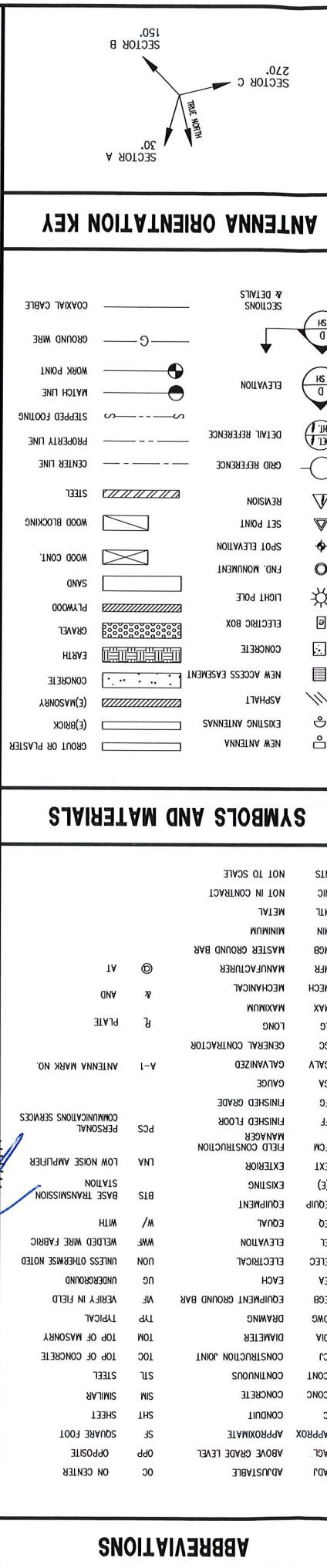
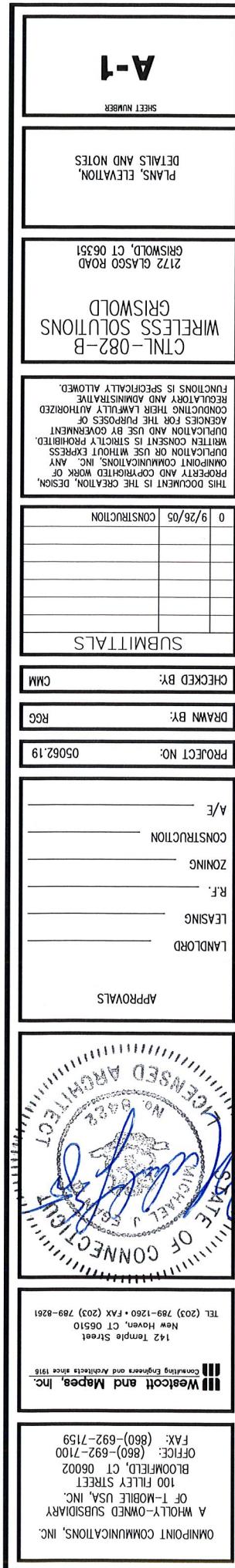
1. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY, SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
2. THE ARCHITECT/ENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHLESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
3. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE LESSEE/LICENSEE REPRESENTATIVE OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
4. THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
5. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
6. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS / CONTRACT DOCUMENTS.
7. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S / VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
8. THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ADDENDUMS OR CLARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
9. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY CONSTRUCTION CONTROL SURVEYS, ESTABLISHING AND MAINTAINING ALL LINES AND GRADES REQUIRED TO CONSTRUCT ALL IMPROVEMENTS AS SHOWN HEREIN.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.
12. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
13. THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
14. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
15. THE CONTRACTOR SHALL NOTIFY THE LESSEE/LICENSEE REPRESENTATIVE WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE LESSEE/LICENSEE REPRESENTATIVE.
16. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.
17. ALL UNDERGROUND UTILITY INFORMATION WAS DETERMINED FROM SURFACE INVESTIGATIONS AND EXISTING PLANS OF RECORD. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY SITE WORK. CALL THE FOLLOWING FOR ALL PRE-CONSTRUCTION NOTIFICATION 72-HOURS PRIOR TO ANY EXCAVATION ACTIVITY:
DIG SAFE SYSTEM (MA, ME, NH, RI, VT): 1-888-344-7233
CALL BEFORE YOU DIG (CT): 1-800-922-4455

VICINITY MAP



DO NOT SCALE DRAWINGS

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



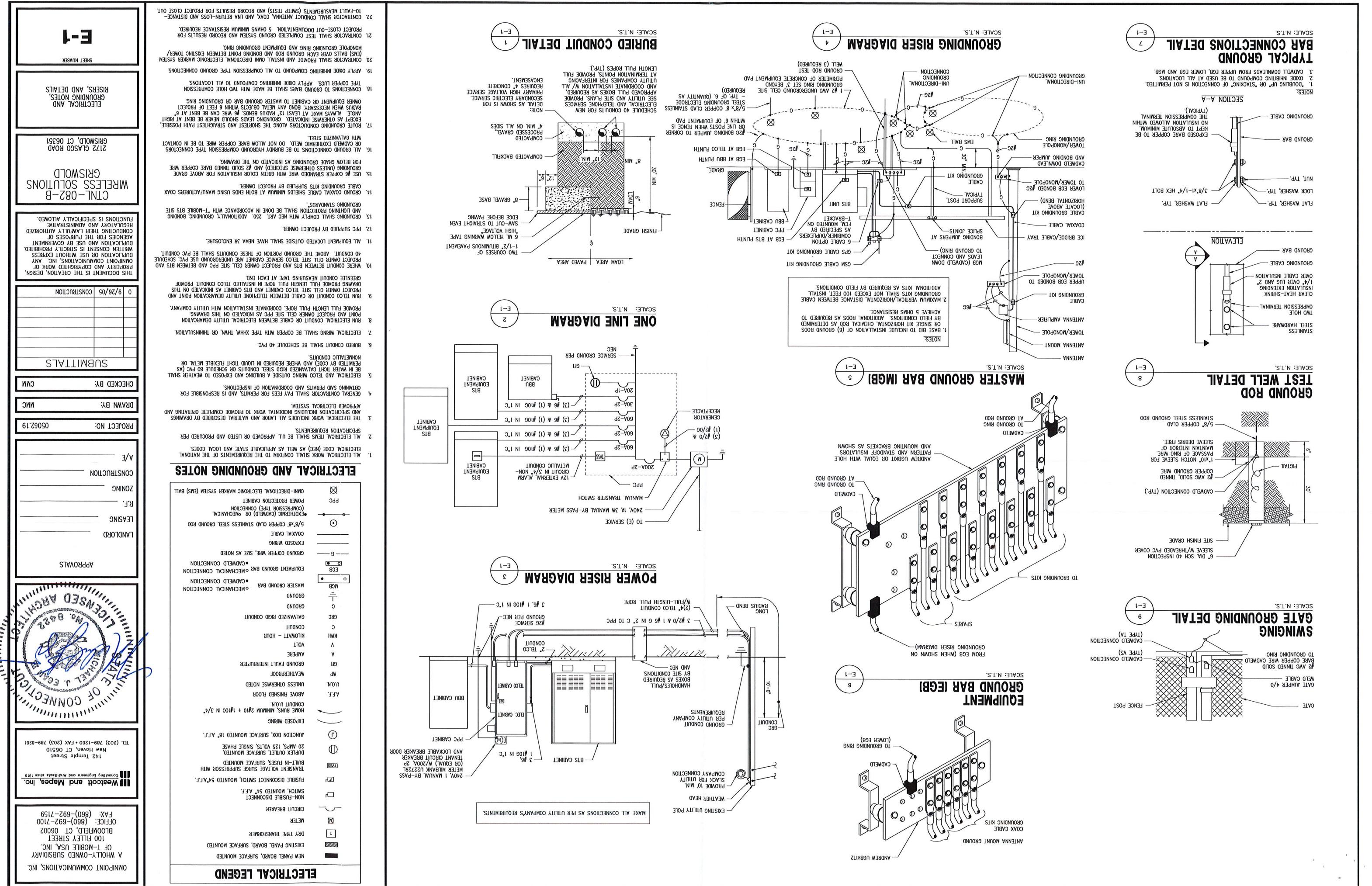


Exhibit 2

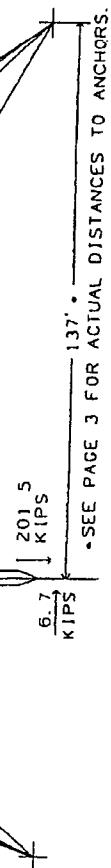
ATTN SHOP WELD LINE HANGER BRACKETS P/N 132573
IN EVERY OTHER PANEL

A (PAGE 2)

B (PAGE 2)

#48M SECTIONS

195'



TOWER ELEVATION

APPROVED

T-Mobile Site No: CTNLOS2-B

A & E Manager: D. O'Connor

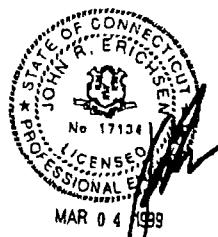
Date: 9/23/05

Antenna Make: EMI Model No: DRG5DPQ

Number Antennas: 1 Rad. Center (AGL): 185 Feet

Coax Cables: Number: 24 7/8" 1-5/8" 2-1/4"

- Tower and Foundation Acceptable: No Upgrades Required
- Tower Upgrades Required
- Foundation Upgrades Required
- Special Coax Placement or Bundling Required



WIRELESS SOLUTIONS
GRISWOLD, CONNECTICUT
48M X 195' GUYED TOWER

PROD INC
1545 Pidco Dr.
Plymouth, IN 46563-0128
219-936-4221

D	REVISED GUY ANCHOR FOUNDATION.	HBR	03/01/1999	APPROVED/ENG.	WBR	03/01/1999
C	REVISED SHACKLE - PG 2	KWD	02/16/1999	APPROVED/ENG.	WBR	03/01/1999
B	ADDED ROCK BOLT DETAILS	KWD	02/12/1999	APPROVED/FOUND.	N/A	
A	ADDED FOUNDATIONS PER ASSUMED SOIL PARAMETERS	KWD	02/12/1999			
REV	DESCRIPTION OF REVISIONS	INJ	DATE	DRAWN BY	KWD	
From:	B1446 DFT - 02/08/99 09:14			ENG. FILE NO	A-115450-	
Printed from:	20464910 DWG - 03/01/1999 09:38		03/04/1999 13:38	ARCHIVE	O-B1446	
				DRAWING NO	204649-B	
				PAGE	1 OF 9	

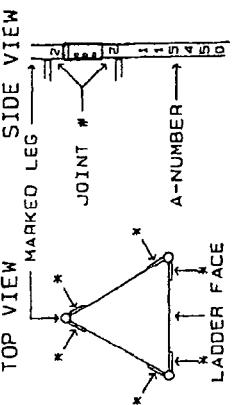
HT.	GUY SIZE	GUY LENGTH DATA		SECTION DATA						LEG CONNECTION					
		GUYS (A)	GUY (B)	THEORETICAL LENGTH ***	WEST	(C)	NORTH	SPAN HEIGHT	SEC#	LEN	LEGS	BRACES	PART #	BOLT DIA	BOLT LEN
190'	3/4" B.S.	3	245 7'	244.1'	240.0'			180'- 195'	48M	15' 1- 3/4"		1	* 103919		
170'	3/4" B.S.	6	229.4'	227.8'	223.8'			140'- 180'	48M	20' 1- 3/4"		1	* 103919	5/8"	4"
140'	3/4" B.S.	3	206.1'	204.6'	200.9'			80'- 140'	48M	20' 2"		2	* 103924	5/8"	4-1/2"
75'	11/16" B.S.	3	163.4'	162.3'	159.7'			20'- 80'	48M	20' 2"		2	* 103924	5/8"	4-1/2"
								0'- 20'	48M	20' 2"		2	* 130605	5/8"	4-1/2"
															15

*** THEORETICAL LENGTH SHOWN IS NOT THE CUT LENGTH.
ADD 5% TO 10% TO VALUE LISTED TO ARRIVE AT CUT LENGTH.
QUANTITY OF CABLE SHIPPED IS THEORETICAL LENGTH +10%.

GUY HARDWARE DETAIL

HT.	GUY SIZE	TIROD SIZE	LUG PART #	SHACKL SIZE	THIMBLE SIZE	TURN BUCKLE	PREFORM	INITIAL TENSION **	
								0-30° F @ 60° F	0° F @ 30° F @ 60° F @ 120° F
190'	3/4" B.S.	105064	1"	7/8"	1-1/4"	BG-MS-3690	8073#	7655#	7240#
170'	3/4" B.S.	12' 105064	7/8"	7/8"	1-1/4"	BG-MS-3690	8260#	7780#	6800#
140'	3/4" B.S.	105064	1"	7/8"	1-1/4"	BG-MS-3690	7136#	6553#	5976#
75'	11/16" B.S.	105062	7/8"	3/4"	1-1/4"	BG-MS-1035	6943#	6150#	5369#

** TENSIONS SHOWN ARE FOR GUY LINE (A). INTERPOLATION IS PERMITTED FOR OTHER TEMPERATURES.
TOLERANCE IS +/- 10% OF INITIAL TENSION SHOWN.



THE MARKED LEG OF EACH SECTION IS
STAMPED WITH THE TOWER SERIAL #
AT THE TOP OF EACH SECTION AND
THE JOINT # AT EACH END OF THE
SECTION. JOINTS ARE NUMBERED
CONSECUTIVELY STARTING WITH 1
AT THE TOP OF THE BASE SECTION.
ASSEMBLE TOWER WITH MARKED LEGS
TOGETHER IN PROPER SEQUENCE.



WIRELESS SOLUTIONS
GRISWOLD, CONNECTICUT
48M X 195' GUYED TOWER

APPROVED/ENG WBA 03/01/1999

APPROVED/FOUND N/A

DRAWN BY KWD

DATE 02/16/1999

 PIROOD INC.

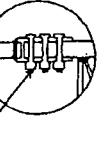
1545 Pidco Dr.
Plymouth, IN 46563-0128
219-936-4221

DRAWING NO. 204649-B

PAGE 2 OF 9

C	REVISED SHACKLE - PG 2	KWD	02/16/1999
REV	DESCRIPTION OF REVISIONS	INIT	DATE
From 81446.DFT - 02/16/99 15:34			
Printed from 2046492C.DWG - 02/16/1999 15:29 @ 03/04/1999 13:38			
ENG FILE NO A-115450- ARCHIVE Q-B1446			

A-325 BOLTS
SEE LEG CONNECT
TABLE FOR SIZE



VIEW B
TYPICAL GUY
CONNECTION LUG

* INDICATES RELATIVE POSITION OF
LINE HANGING BRACKETS P/N 132573
AT NOMINAL 5' VERTICAL SPACING.

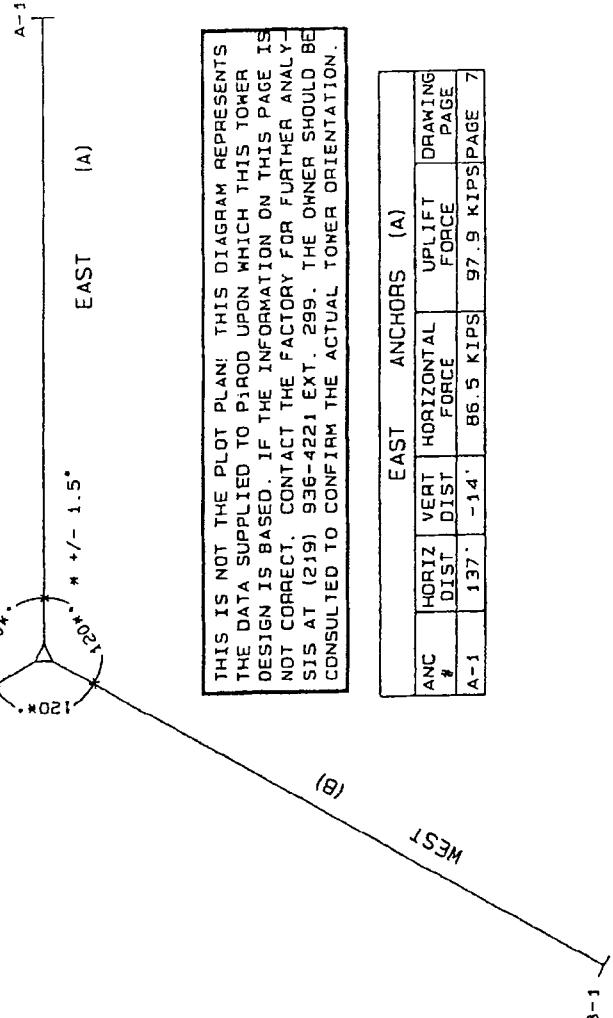
NORTH ANCHORS (C)				
ANC #	HORIZ DIST	VERT DIST	HORIZONTAL FORCE	UPLIFT FORCE
C-1	137'	-7'	86.6 KIPS	93.9 KIPS

C-1

NORTH (C)

NOTE: THE HORIZONTAL DISTANCE IS THE DISTANCE MEASURED FROM THE TOWER BASE PIN TO THE ANCHOR HEAD. THE VERTICAL DISTANCE IS THE DIFFERENCE BETWEEN THE GROUND ELEVATION AT THE TOWER BASE AND THE GROUND ELEVATION AT THE ANCHOR HEAD.

WEST ANCHORS (B)				
ANC #	HORIZ DIST	VERT DIST	HORIZONTAL FORCE	UPLIFT FORCE
B-1	137'	-12'	86.3 KIPS	96.5 KIPS



THIS IS NOT THE PLOT PLAN: THIS DIAGRAM REPRESENTS THE DATA SUPPLIED TO PIROD UPON WHICH THIS TOWER DESIGN IS BASED. IF THE INFORMATION ON THIS PAGE IS NOT CORRECT, CONTACT THE FACTORY FOR FURTHER ANALYSIS AT (219) 936-4221 EXT. 299. THE OWNER SHOULD BE CONSULTED TO CONFIRM THE ACTUAL TOWER ORIENTATION.

EAST ANCHORS (A)				
ANC #	HORIZ DIST	VERT DIST	HORIZONTAL FORCE	UPLIFT FORCE
A-1	137'	-14'	86.5 KIPS	97.9 KIPS

B-1

WEST



WIRELESS SOLUTIONS
GRISWOLD, CONNECTICUT
48M X 195' GUYED TOWER

APPROVED/ENG. WBR 03/01/1999

APPROVED/FOUND WBR 03/01/1999

DRAWN BY KWD

PIROD INC.
1545 Pidco Dr.
Plymouth, IN 46563-0128
219-936-4221

204649-B
3 OF 9

From B1446 DFT - 02/08/99 09 14
Printed from 20464930.DWG - 02/08/1999 09 07 0 03/04/1999 13 3051 ARCHIVE

GENERAL NOTES

1. TOWER DESIGN CONFORMS TO STANDARD EIA/TIA-222-F FOR 90 MPH BASIC WIND SPEED WITH 0.50" RADIAL ICE WITH LOAD DUE TO WIND REDUCED BY 25% WHEN CONSIDERED SIMULTANEOUSLY WITH ICE.

TOWER DESIGN CONFORMS TO STANDARD EIA/TIA-222-F FOR 90 MPH BASIC WIND SPEED WITH NO ICE.

2. MATERIAL: (A) SOLID RODS CONFORM TO ASTM A-572 GRADE 50 REQUIREMENTS.

(B) ANGLES CONFORM TO ASTM A-36 REQUIREMENTS.

(C) PIPE CONFORMS TO ASTM A-53 TYPE E, GRADE B REQUIREMENTS. (MIN YIELD STRENGTH=42 KSI)

(D) ALL STEEL PLATES CONFORM TO ASTM A-36 REQUIREMENTS.

3. FINISH: HOT DIPPED GALVANIZED AFTER FABRICATION.

4. ANTENNAS:

195' (12) DB854 AND (6) PD220 ALL USING 1-5/8" LINES MOUNTED ON THREE T-FRAME ASSEMBLIES

185' (12) DB854 AND (6) PD220 ALL USING 1-5/8" LINES MOUNTED ON THREE T-FRAME ASSEMBLIES

175' (12) DB854 AND (6) PD220 ALL USING 1-5/8" LINES MOUNTED ON THREE T-FRAME ASSEMBLIES

165' (12) 10' SOLID DISHES USING EW63 CABLE.

155' (12) DB854 AND (6) PD220 ALL USING 1-5/8" LINES MOUNTED ON THREE T-FRAME ASSEMBLIES

5. MIN. WELDS 5/16" UNLESS OTHERWISE SPECIFIED. ALL WELDING TO CONFORM TO AWS SPECS.

6. ALL BOLTS AND NUTS MUST BE IN PLACE BEFORE THE ADJOINING SECTION(S) ARE INSTALLED.

7. ALL A-325 BOLTS ARE TO BE TIGHTENED TO A SNUG TIGHT CONDITION AS DEFINED BY AISC SPECIFICATION UNLESS OTHERWISE NOTED. A MORE QUANTITATIVE ALTERNATIVE APPROACH TO ACHIEVING A SNUG TIGHT CONDITION IS TO TIGHTEN USING THE TORQUE VALUES FROM DRAWING 123107-A.

8. EIA GROUNDING FOR TOWER.

9. ALL TRANSMISSION LINES MUST BE PLACED ON PIROD SUPPLIED LINE HANGER BRACKETS.



WIRELESS SOLUTIONS
GRISWOLD, CONNECTICUT
48M X 185' GUYED TOWER

APPROVED/ENG. NBR 03/01/1999
APPROVED/FOUND N/A

DRAWN BY KWD

PIROD INC.
1545 Pidco Dr.
Plymouth, IN 46563-0128
219-936-4221

204649-B
4 OF 9

FOUNDATION NOTES

1. ALLOWABLE SOIL BEARING PRESSURE ASSUMED TO BE 10000 PSF. ALLOWABLE PASSIVE PRESSURE ASSUMED TO BE 0 PSF/FT. GROUND WATER TABLE ASSUMED TO BE AT GROUND LEVEL. THE PURCHASER & OWNER/CONTRACTOR MUST VERIFY THAT THE ACTUAL SITE SOIL PARAMETERS MEET OR EXCEED THE ASSUMED SOIL PARAMETERS PER THIS NOTE, AND/OR SHOULD OBTAIN A SOIL REPORT TO DETERMINE THE SOIL CONDITIONS AT THE SITE. FOUNDATION DESIGN MODIFICATIONS MAY BE REQUIRED IN THE EVENT THE ASSUMED SOIL PARAMETERS ARE NOT APPLICABLE. FOR THE ACTUAL SUBSURFACE CONDITIONS ENCOUNTERED.
2. CONCRETE TO BE 4000 PSI @28 DAYS. REINFORCING BAR TO CONFORM TO ASTM A615 GRADE 60 SPECIFICATIONS CONCRETE INSTALLATION TO CONFORM TO ACI-318 BUILDING REQUIREMENTS FOR REINFORCED CONCRETE. ALL CONCRETE TO BE PLACED AGAINST UNDISTURBED EARTH FREE OF WATER AND ALL FOREIGN OBJECTS AND MATERIALS A MINIMUM OF THREE INCHES OF CONCRETE SHALL COVER ALL REINFORCEMENT. WELDING OF REBAR NOT PERMITTED.
3. ALL FILL SHOULD BE PLACED IN LOOSE LEVEL LIFTS OF NO MORE THAN 12" THICK. FILL MATERIALS SHOULD BE CLEAN AND FREE OF ORGANIC AND FROZEN MATERIALS OR ANY OTHER DELETERIOUS MATERIALS.
4. A COLD JOINT IS PERMISSIBLE, AT THE TOWER BASE ONLY, UPON CONSULTATION WITH PIRDO. ALL COLD JOINTS SHALL BE COATED WITH BONDING AGENTS PRIOR TO SECOND POUR.
5. THE TOWER BASE FOUNDATION MUST BEAR ON SOLID, COMPETENT BEDROCK. ANY LOOSE, WEATHERED OR FRACTURED MATERIAL MUST BE REMOVED FROM THE EXCAVATION PRIOR TO INSTALLATION OF THE FOUNDATION.
6. A QUALIFIED ON-SITE GEOTECHNICAL ENGINEER IS TO INSPECT THE BEARING SURFACE TO ENSURE THAT IT MEETS OR EXCEEDS THE ALLOWABLE BEARING CAPACITY THAT HAS BEEN ASSUMED. SEE NOTE #1 ABOVE.
7. DIFFICULTIES DURING EXCAVATION ARE TO BE EXPECTED DUE TO THE PRESENCE OF SHALLOW BEDROCK. PNEUMATIC HAMMERS AND/OR RIPPER MAY BE REQUIRED TO REMOVE MATERIAL FROM THE EXCAVATION.
8. A SUMP PUMP OR OTHER DEMATERING SYSTEM MAY BE REQUIRED TO LOWER THE WATER TABLE TO FACILITATE THE INSTALLATION OF THE FOUNDATION.
9. THE SOIL PARAMETERS WERE ASSUMED BASED ON THE SOIL CLASSIFICATIONS BY NEW ENGLAND ENVIRONMENTAL SERVICES, INC., DATED: 1/18/98.
10. A CONCRETE MAT MAY BE USED TO LEVEL THE BEARING SURFACE. THE CONCRETE IN THE LEVELING MAT IS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS AND CAN NOT EXCEED 12" IN THICKNESS.



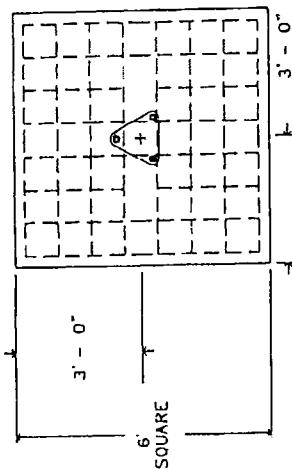
MAR 014 1998

				<p align="center">WIRELESS SOLUTIONS GRISWOLD, CONNECTICUT # 48M X 195' GUYED TOWER</p>			
				APPROVED/ENG	WBR	03/01/1999	
				APPROVED/FOUND	WBR	03/01/1999	
A	ADDED FOUNDATIONS PER ASSUMED SOIL PARAMETERS			WRH	02/12/1999		
REV	DESCRIPTION OF REVISIONS			INI	DATE		
				DRAWN BY	KHD		
				ENG FILE NO. A-115450-0-81446			
				5 OF 9			
				PAGE			

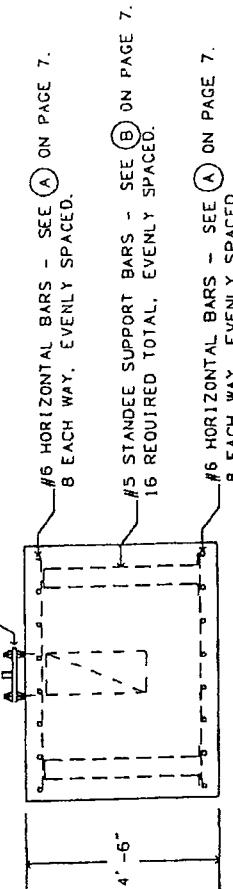
From: B1446.DFT - 02/12/99 12:06
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Pirdo Inc.
 1545 Pidco Dr.
 Plymouth, IN 46563-0128
 219-936-4221

THE FOUNDATIONS DEPICTED ON THIS DRAWING WERE DESIGNED PER ASSUMED SOIL PARAMETERS. ALTHOUGH, IT IS OUR EXPECTATION THAT THE SOIL WILL EXHIBIT SUFFICIENT STRENGTH TO COMPLY WITH THE ASSUMED STRENGTHS. IT IS POSSIBLE THAT THE SOIL MAY NOT EXHIBIT THE REQUIRED STRENGTHS. THEREFORE, IT IS HIGHLY RECOMMENDED THAT THE ASSUMED PROPERTIES BE CONFIRMED BY A GEOTECHNICAL ENGINEER VIA A SOIL REPORT OR AN ON-SITE INSPECTION DURING INSTALLATION.



CAGE P/N 107261 CENTERED IN PIER
INSTALL WITH 6" OF THREADS EXPOSED.
FOUNDATION PLATE P/N 107260
CAGE AFTER LEVELING PLATE - BEFORE ERECTING TOWER.



NOTE: ALL REBAR IS EQUALLY SPACED AND
REQUIRES MIN. 3" CONCRETE COVER.

TOWER BASE FOUNDATION
6.0 CU YDS. CONCRETE REQUIRED

COMPETENT BEDROCK
(SEE NOTE 5, PAGE 5)

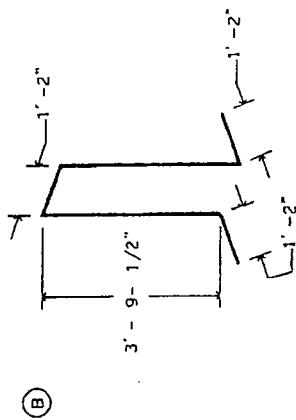


WIRELESS SOLUTIONS
GRISWOLD CONNECTICUT
14BM X 195' GUYED TOWER

				WIRELESS SOLUTIONS GRISWOLD CONNECTICUT # 4BM X 195' GUYED TOWER			
REV	DESCRIPTION OF REVISIONS	INITIALS	DATE	DRAWN BY	APPROVED/ENC.	WBA	03/01/1999
B	ADDED ROCK BOLT DETAILS	WRK	02/12/1999		APPROVED/FOUND.	WBA	03/01/1999
A	ADDED FOUNDATIONS PER ASSUMED SOIL PARAMETERS	WRK	02/12/1999				
				ENG FILE NO	A-115450-		DRAWING NO.
				0-B1446		204649-B	
				ARCHIVE		PAGE	6 OF 9
From B1446 DFT - 02/12/99 12 06							
Printed from 20464968 DWG # 02/15/1999 10 28 8 03/04/1999 13 3855							

REBAR SUPPORTS MAY CONSIST OF ANY
ACCEPTABLE MEANS OF SECURELY SUPPORTING
THE TOP REINFORCEMENT GRID ABOVE THE
BOTTOM REINFORCEMENT GRID WHILE MAIN-
TAINING A SEPARATION OF 4'
(OUTSIDE REBAR TO OUTSIDE REBAR).

5 REBAR - 16 PIECES REQUIRED TOTAL
TYPE 26 STANDEE PLACED BETWEEN REBAR
GRIDS ON NOMINAL 4' SPACING THROUGHOUT
APPROX UNBENT LENGTH = 10' - 11' - 7/8'
APPROX WT = 11. 5# EACH, 18# TOTAL



(A)

5' - 6"

#6 REBAR - 32 PIECES REQUIRED TOTAL
APPROX WT = 8. 3# EACH, 264# TOTAL



TOTAL APPROXIMATE REBAR WEIGHT = 448#
REINFORCING BAR TO CONFORM TO ASTM A615 GRADE 60 SPECIFICATIONS

TOWER BASE FOUNDATION
REBAR DETAIL - NOT TO SCALE

				WIRELESS SOLUTIONS GRISWOLD, CONNECTICUT # 48M X 195' GUYED TOWER			PIROD INC. 1545 Pidco Dr. Plymouth, IN 46563-0128 219-936-4221
REV	DESCRIPTION OF REVISIONS	INI	DATE	APPROVED/ENG.	WBR	03/01/1999	
B	ADDED ROCK BOLT DETAILS	WBR	02/12/1999	APPROVED/FOUND.	WBR	03/01/1999	
A	ADDED FOUNDATIONS PER ASSUMED SOIL PARAMETERS	WBR	02/12/1999				
REV	DESCRIPTION OF REVISIONS	INI	DATE	DRAWN BY	KWD		
	From 81446 DFT - 02/12/99 12:06 Printed from 2046497B.DWG - 02/15/1999 10:35 8 03/04/1999 13:38SS			ENG FILE NO	A-115450- ARCHIVE Q-B1446		DRAWING NO 204649-B PAGE 7 OF 9

Exhibit 3

Technical Memo

To: Karina Fournier
From: Marlon DePaz-RadioFrequencyEngineer
cc: Jason Overbey
Subject: Power Density Report for CTNL082B
Date: October 3, 2005

1. Introduction:

This report is the result of an Electromagnetic Field Intensities (EMF - Power Densities) study for the T-Mobile PCS antenna installation on a Guyed Tower at 2172 Glasgo Road, Griswold, CT. This study incorporates the most conservative consideration for determining the practical combined worst case power density levels that would be theoretically encountered from locations surrounding the transmitting location.

2. Discussion:

The following assumptions were used in the calculations:

- 1) The emissions from T-Mobile transmitters are in the 1935-1945 MHz frequency band.
- 2) The antenna array consists of three sectors, with 3 antennas per sector.
- 3) The model number for each antenna is EMS RR90-17-02DP.
- 4) The antenna center line height is 185 ft.
- 5) The maximum transmit power from any sector is 1447.17 Watts Effective Radiated Power (EiRP) assuming 8 channels per sector.
- 6) All the antennas are simultaneously transmitting and receiving, 24 hours a day.
- 7) Power levels emitting from the antennas are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. This is rarely the case, and if so, is never continuous.
- 8) The average ground level of the studied area does not change significantly with respect to the transmitting location

Equations given in "FCC OET Bulletin 65, Edition 97-01" were then used with the above information to perform the calculations.

3. Conclusion:

Based on the above worst case assumptions, the power density calculation from the T-Mobile PCS antenna installation on a Guyed Tower at 2172 Glasgo Road, Griswold, CT, is 0.00991 mW/cm². This value represents 0.991% of the Maximum Permissible Emission (MPE) standard of 1 milliwatt per square centimeter (mW/cm²) set forth in the FCC/ANSI/IEEE C95.1-1991. Furthermore, the proposed antenna location for T-Mobile will not interfere with existing public safety communications, AM or FM radio broadcasts, TV, Police Communications, HAM Radio communications or any other signals in the area.

The combined Power Density from other carriers is 3.86%. The combined Power Density for the site is 4.851% of the M.P.E. standard.

New England Market

Connecticut

Worst Case Power Density



Site:	CTNL082B
Site Address:	2172 Glasgo Road
Town:	Griswold
Tower Height:	190 ft.
Tower Style:	Guyed Tower
Base Station TX output	20 W
Number of channels	8
Antenna Model	EMS RR90-17-02DP
Cable Size	1 5/8 in.
Cable Length	210 ft.
Antenna Height	185.0 ft.
Ground Reflection	1.6
Frequency	1935.0 MHz
Jumper & Connector loss	4.50 dB
Antenna Gain	16.5 dBi
Cable Loss per foot	0.0116 dB
Total Cable Loss	2.4360 dB
Total Attenuation	6.9360 dB
Total EIRP per Channel (In Watts)	52.57 dBm 180.90 W
Total EIRP per Sector (In Watts)	61.61 dBm 1447.17 W
nsg	9.5640
Power Density (S) =	0.009909 mW/cm ²
T-Mobile Worst Case % MPE =	0.9909%
Equation Used :	$S = \frac{(1000(\text{grf})^2 (\text{Power})^{10}}{4 \pi (R)^2}$
Office of Engineering and Technology (OET) Bulletin 65, Edition 97-01, August 1997	

Co-Location Total

Carrier	% of Standard
Verizon	
Cingular	
Sprint PCS	3.8600 %
AT&T Wireless	
Nextel	
Total Excluding T-Mobile	3.8600 %
T-Mobile	0.9909
Total % MPE for Site	4.8509%