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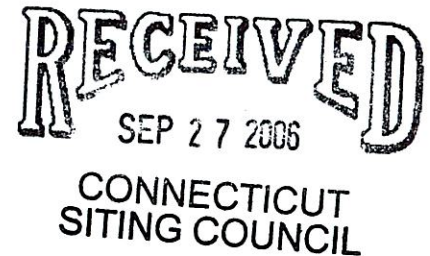
EM-VER-053-060927

ORIGINAL

September 27, 2006

Via Hand Delivery

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



Re: **Notice of Exempt Modification**
89 Dr. Nott Road
Franklin, Connecticut

Dear Mr. Phelps:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") intends to install antennas on the existing 300-foot guyed lattice tower owned by American Towers, Inc at 89 Dr. Nott Road in Franklin, Connecticut. Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Franklin First Selectman, Richard Matters.

The facility consists of a 300-foot guyed lattice tower capable of supporting multiple carriers within a fenced compound at 89 Dr. Nott Road in Franklin. The tower is currently shared by the State Police and various private entities; AT&T at the 235.5-foot level and Sprint Nextel at the 180-foot level on the tower. Cellco proposes to install twelve (12) panel-type antennas at the 170-foot level on the tower and place a 12' x 30' single-story equipment shelter on the ground near the base of the tower within the existing fenced compound. Attached behind Tab 1 are Project Plans for the proposed Cellco facility.

The planned modifications to the Franklin facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).



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S. Derek Phelps
September 27, 2006
Page 2

1. The proposed modification will not increase the overall height of the existing tower. Cellco's antennas will be mounted with their centerline at the 170-foot level on the 300-foot tower.
2. The proposed installation of a 12' x 30' equipment shelter will require minimal extension of the fenced compound. However, there will be no extension of the lease area.
3. The proposed installation will not increase the noise levels at the facility by six decibels or more.
4. The operation of the antennas will not increase radio frequency (RF) power density levels at the facility to a level at or above the Federal Communications Commission (FCC) adopted safety standard. The cumulative worst-case RF power density calculations for the AT&T (New Cingular) and Sprint Nextel antennas and the proposed Cellco antennas would be 20.14% of the FCC standard. A copy of the cumulative power density calculations table is attached behind Tab 2. (Information on the State Police and private entity antennas at this site was not available and are therefore not included in the table.)

Also attached, behind Tab 3, is a Structural Evaluation confirming that the tower can support the existing and proposed antennas and associated equipment.

For the foregoing reasons, Cellco respectfully submits that the proposed antenna installation at the facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,



Kenneth C. Baldwin

Attachments

cc: Richard Matters, Franklin First Selectman
Sandy M. Carter



FRANKLIN
89 DOCTOR NOTT ROAD
FRANKLIN, CONNECTICUT 06254

DIRECTIONS (FROM HARTFORD, CT):
TAKE I-84 E TOWARD BOSTON. MERGE ONTO CT-2 E
VIA EXIT NUMBER 55 TOWARD NORWICH/NEW LONDON. TAKE
THE CT-32 N EXIT NUMBER 27. TURN RIGHT ONTO CT-32.
TURN LEFT ONTO POUND RD. TURN LEFT ONTO MEETING
HOUSE HILL RD. TURN SLIGHT LEFT ONTO DOCTOR NOTT RD.

STRUCTURAL NOTE:

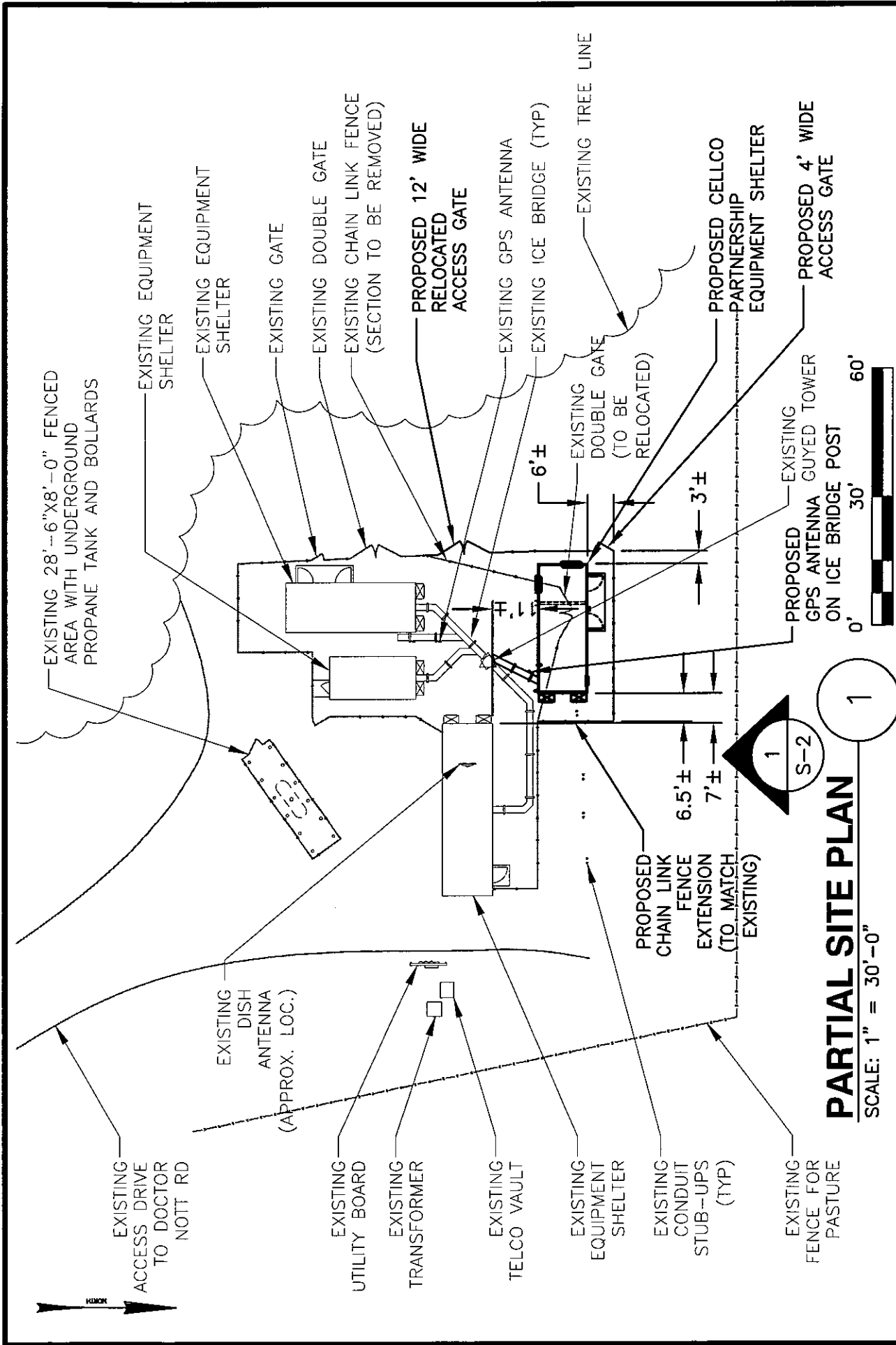
DIRECTIONS (FROM HARTFORD, CT):



<u>SITE NAME:</u>	FRANKLIN
<u>SITE ADDRESS:</u>	89 DOCTOR NOTT RD FRANKLIN, CT 06254
<u>TOWER OWNER:</u>	AMERICAN TOWERS, INC 116 HUNTINGTON AVE BOSTON, MA 02116 (617) 585-7600
<u>LESSEE:</u>	CELICO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT 06108
<u>APPLICANT:</u>	CELICO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT 06108
<u>CONTACT PERSON:</u>	SANDY CARTER CELICO PARTNERSHIP (860) 830-8219
<u>COORDINATES:</u>	LATITUDE: 41°-35'-51.6" N

NOTE:
DRAWINGS FOR SITING COUNCIL ONLY. NOT
TO BE USED FOR CONSTRUCTION.

TITLE SHEET		Cellco Partnership	
SITE NAME: FRANKLIN 89 DOCTOR NOTT ROAD FRANKLIN, CONNECTICUT		d.b.a. verizon <i>wireless</i>	
		PROJECT: 2001035960 LOCATION CODE: 117732	
		SHEET NO. T - 1	



Dewberry Dewberry-Goodkind, Inc. 30 BELLA STREET NEW HAVEN, CT 06510 203.776.2277 PHONE 203.776.2268 FAX		PARTIAL SITE PLAN		Cellco Partnership d.b.a. verizon wireless	
1	09/26/06	CMS	REVISED SITING COUNCIL	SITE NAME:	FRANKLIN
0	08/25/06	CMS	FINAL SITING COUNCIL	PROJECT:	2001035980
A	05/04/06	CMS	PRELIMINARY SITING COUNCIL	LOCATION CODE:	117732
NO.	DATE	BY	DESCRIPTION	SHEET NO.	S - 1

THESE TWO
ELEVATIONS
TAKEN FROM
FCC ASR
REGISTRATION
DATABASE



TOP OF EXISTING WHIP ANTENNAS
ELEV. = 320'-0" ± A.G.L.

TOP OF EXISTING TOWER
ELEV. = 300'-0" ± A.G.L.

EXISTING AT&T ANTENNAS



C.L. OF EXISTING AT&T ANTENNAS
ELEV. = 235'-6" ± A.G.L.



C.L. OF EXISTING NEXTEL ANTENNAS
ELEV. = 180'-0" ± A.G.L.



C.L. OF PROPOSED ANTENNAS
ELEV. = 170'-0" ± A.G.L.

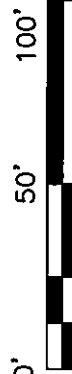
NOTES:

1. ELEVATIONS OF EXISTING EQUIPMENT SHOWN APPROXIMATE.
2. SOME EXISTING TOWER ATTACHMENTS NOT SHOWN FOR CLARITY.

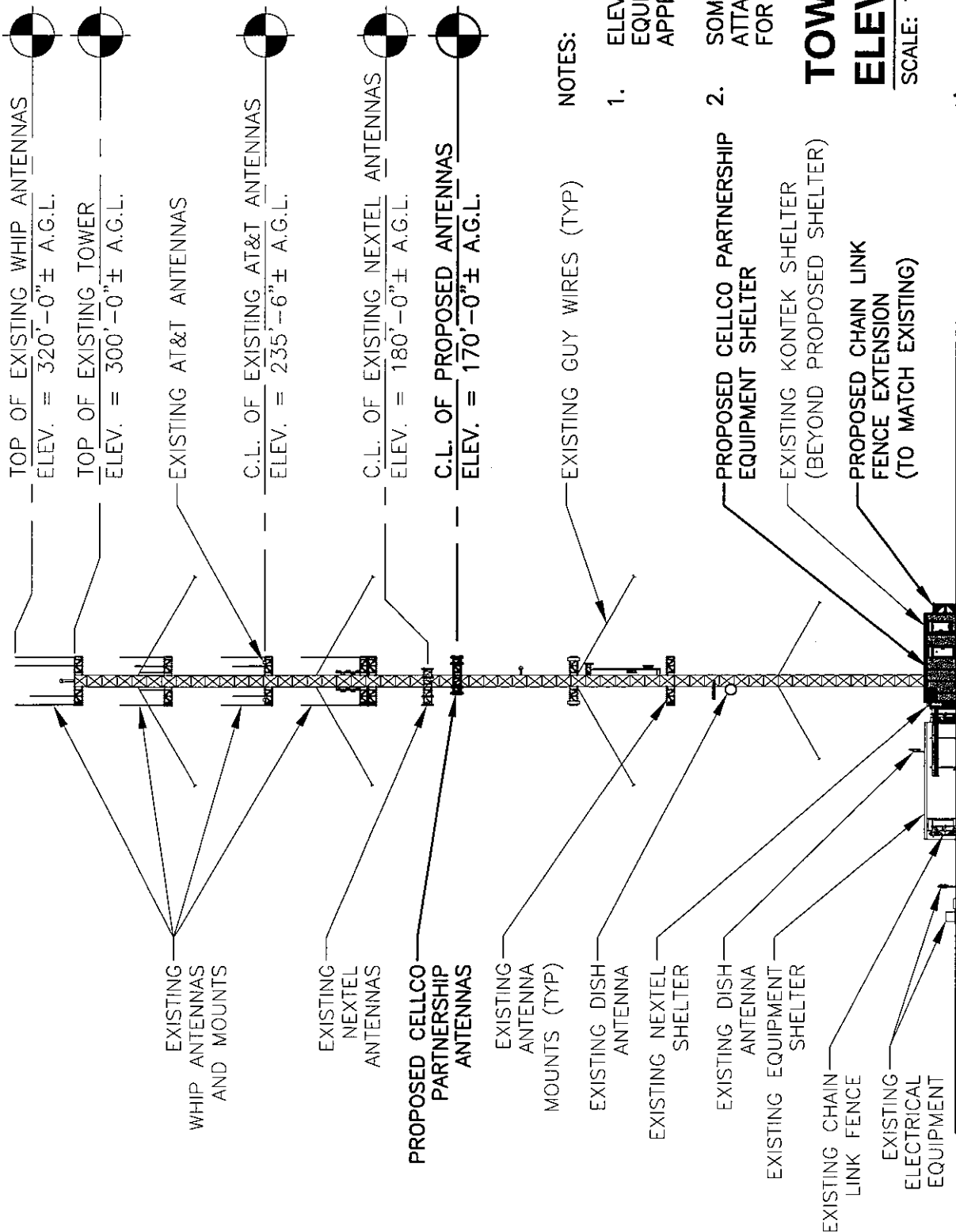
TOWER

ELEVATION

SCALE: 1" = 50'-0"



1



Dewberry
Dewberry-Goodkind, Inc.
501 WEST STREET
NEW HAVEN, CT 06510
203.776.2277 PHONE
203.776.2268 FAX

SCALE: AS SHOWN
DESIGNED BY: CKD
DATE: 04/26/06
PROJECT NO. 4363-06

TOWER ELEVATION
SITE NAME: FRANKLIN
89 DOCTOR NOTT ROAD
FRANKLIN, CONNECTICUT

Cellco Partnership
d.b.a. **verizon** wireless

PROJECT: 2001035960
LOCATION CODE: 117732
SHEET NO. S - 2

NO.	DATE	BY	DESCRIPTION
1	09/26/06	CMS	REVISED SITING COUNCIL
0	08/25/06	CMS	FINAL SITING COUNCIL
A	05/04/06	CMS	PRELIMINARY SITING COUNCIL

General Power Density

Site Name: Franklin, CT
Tower Height: VZW @ 170 ft.

Operator	Operating Frequency (MHz)	Number of Trans.	ERP/Per Trans. (watts)	Total ERP (watts)	Distance to Target (feet)	Calculated Power Density (mW/cm ²)	Maximum Permissible Exposure (mW/cm ²)	Fraction of MPE (%)
Verizon	880	9	200	1800	170	0.0224	0.56733	3.95%
Verizon	1900	6	200	1200	170	0.0149	0.56733	2.63%
Nextel	851	24	100	2400	180	0.0266	0.5673	4.70%
AT&T	880	19	100	1900	235.5	0.0123	0.5673	2.17%
AT&T	1900	25	76	1900	235.5	0.0123	1	1.23%
Total Percentage of Maximum Permissible Exposure								20.14%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

MHz = Megahertz
mW/cm² = milliwatts per square centimeter
ERP = Effective Radiated Power





AMERICAN TOWER[®]
CORPORATION

6310-JRJ
9/15/2006

Level 1 Structural Evaluation ¹		
ATC Site Number & Name	6310, Franklin CT, CT	Engineering ID: 26406721
Carrier Site Number & Name	NLN 2056, Franklin CT	
Site Address	89 Dr. Nott Road North Franklin, Connecticut 06254, New London County	
Tower Description	300 ft FWT Guyed Tower	
Standards & Codes ²	ANSI/TIA/EIA-222-F (1996) 85 mph w/ 0" radial ice 73.6 mph w/ 1/2" radial ice	2003 International Building Code 105mph w/ 0" radial ice

Table 1: Existing and Proposed Antenna Configuration

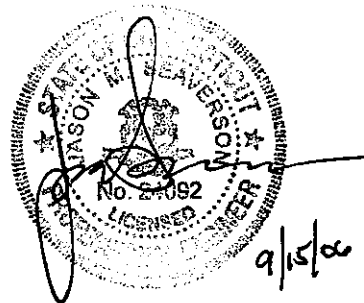
HEIGHT (ft)	ANTENNA	CARRIER	COAX	STATUS
300	(1) Decibel ASP-973 on Standoff Mount	Laidlaw	(1) 7/8"	Existing
300	(2) 20' Dipole on Standoff Mounts	WAFCSA	(2) 7/8"	Existing
300	(1) 20' Dipole (1) 15' Dipole on Standoff Mounts	Unknown	(1) 1-1/4" (1) 1-1/4"	Existing
270	(1) 8' Omni on Standoff Mount	Brodeur's Oil Service	(1) 7/8"	Existing
270	(1) 8' Omni (1) 10' Dipole on Standoff Mounts	Unknown	(1) 1-1/4" (1) 1-1/4"	Existing
270	(2) 15' Dipole on Standoff Mounts	CT State Police	(2) 1-5/8"	Existing
235.5	(2) 15' Dipole on Standoff Mounts	CT State Police	(2) 1-5/8"	Existing
235.5	(1) 15' Dipole (1) 11' Omni on Standoff Mounts	Arch Wireless	(1) 1-1/4" (2) 1-1/4"	Existing
235.5	(2) Decibel AP7-850 (2) 15' Dipole (2) 11' Omni on Standoff Mount	AT&T	(2) 1-5/8" (2) 1-5/8" (2) 1-5/8"	Existing
203	(1) 20' Dipole on Standoff Mount	NE Central RR	(1) 7/8"	Existing
203	(1) 20' Dipole on Standoff Mount	Providence & Worcester RR	(1) 7/8"	Existing
200	(3) Standoff Mounts	Unknown	-	Existing
180	(9) Swedcom ALP9011 (1) Decibel DB224 on Sector Frame Mounts	Nextel	(9) 1-5/8" (1) 1/2"	Existing
170	(6) Antel RWA-80016 (6) Antel LPA-185063/12CF2 on Sector Frame Mounts	Verizon	(6) 1-5/8" (6) 1-5/8"	Proposed
130	(2) 4' x 12" Panels (1) Amplifier/Control Box on Standoff mounts	CT State Police	(2) 1-5/8" (2) 3/8"	Existing
105	(1) 20' Dipole on Leg Mount	New England Central	(1) 1/2"	Existing



6310-JRJ
9/15/2006

105	(1) 4' Grid Dish (1) 3' Yagi on Pipe Mount	Verizon	(1) 7/8" (1) 1/2"	Existing
80	(1) RFS PAG-65 6' Dish on Pipe Mount	CT State Police	(1) EW52	Existing

The subject tower and foundation *are adequate* to support the above stated loads in conformance with specified requirements.³



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Connecticut.

¹ The existing and proposed loads of *Table 1* are compared to the tower's current design capacity or previous analysis.

² The design wind criteria are compared to the current code requirements.

³ The tower should be re-evaluated as future loads are added or if actual loads are found different from those mentioned in *Table 1*.