HURWITZ & SAGARIN LLC

December 29, 1999

Mr. Steven Levine
Staff Analyst
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: Notice of Exempt Modification
Omnipoint Telecommunications Facility
1021 Straights Turnpike (a.k.a. "1 Service Road")
Middlebury, Connecticut

Dear Steve:

Enclosed please find 26 copies of each of the following documents, which should serve to complete our application for this site:

1. Revised reduced site plans;

2. 12/28/99 letter from URS Greiner to Chariman Geltson regarding the effect on the structural integrity of the existing tower by the proposed antennae;

3. Power density calculations (full chart) for proposed Sprint antennae;

4. Power density calculations (full chart) for proposed AT & T antennae.

Please contact me or Julie Cashin should you need anything else.

Very truly yours,

William A. Staar

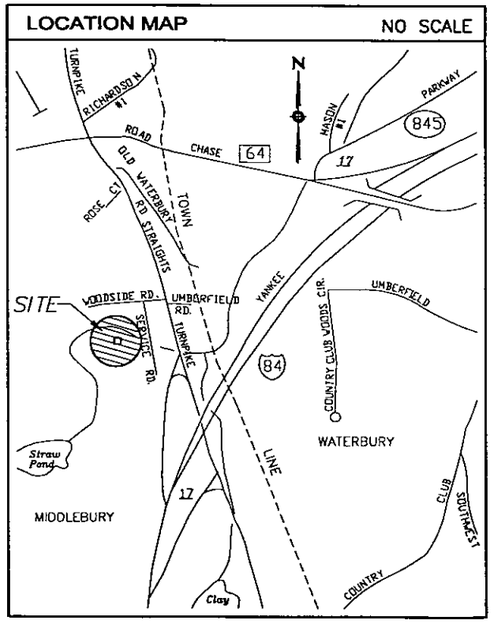
cc: Edward B. St. John, First Selectman
Bill McElwaine
Jennifer Gaudet

LAW OFFICES
147 North Broad Street, P.O. Box 112, Milford, Connecticut 06460-0112 Tel. 203-877-8000 • Fax 203-878-9800

SPRINT PCS
AT&T WIRELESS PCS LLC
UNMANNED WIRELESS COMMUNICATIONS EQUIPMENT SITE

MIDDLEBURY
1 SERVICE ROAD
MIDDLEBURY, CONNECTICUT

LOCATION MAP NO SCALE



PROJECT SUMMARY

SITE NAME:	MIDDLEBURY
SITE ADDRESS:	1 SERVICE ROAD MIDDLEBURY, CONNECTICUT
CURRENT ZONING:	CB-40
GOVERNING CODE:	CONNECTICUT BUILDING CODES CONNECTICUT FIRE SAFETY CODE
JURISDICTION:	TOWN OF MIDDLEBURY
APPLICANT:	SPRINT PCS 9 BARNES INDUSTRIAL ROAD WALLINGFORD, CT 06492 (203) 294-5600 AT&T WIRELESS PCS, INC. 147 WATER STREET NORWALK, CT. 06854
A/E:	URS GREINER WOODWARD CLYDE A.E.S. 500 ENTERPRISE DRIVE ROCKY HILL, CT 06067

SHEET INDEX

SHT. NO.	DESCRIPTION
T-1	TITLE SHEET
SC-1	PARTIAL SITE PLAN AND TOWER ELEVATION

Sprint PCS

AT&T

URS Greiner Woodward Clyde A-E-S
500 ENTERPRISE DRIVE
ROCKY HILL, CONNECTICUT
1-(860)-529-8882

A&E SEAL

PROJECT NO:	F301772.41
DRAWN BY:	JM
CHECKED BY:	
APPROVED BY:	

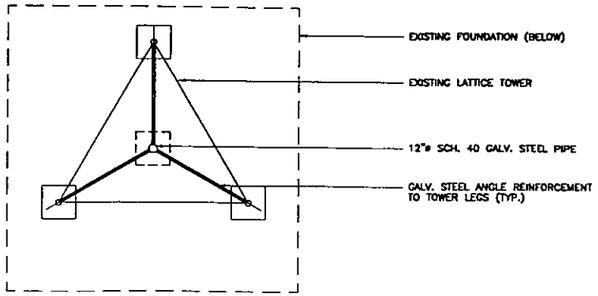
ISSUED FOR		
	11-09-99	SITING COUNCIL APPROVAL
	12-28-99	SITING COUNCIL APPROVAL

MIDDLEBURY

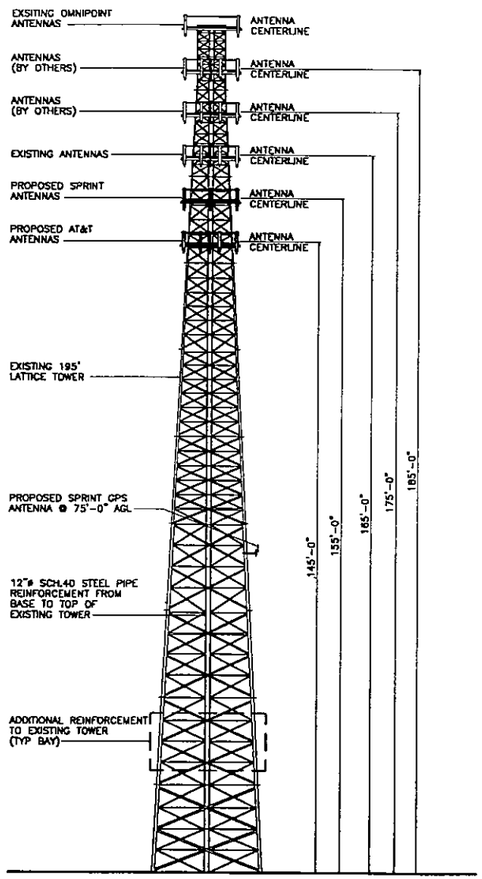
1 SERVICE ROAD
MIDDLEBURY CONNECTICUT

TITLE SHEET

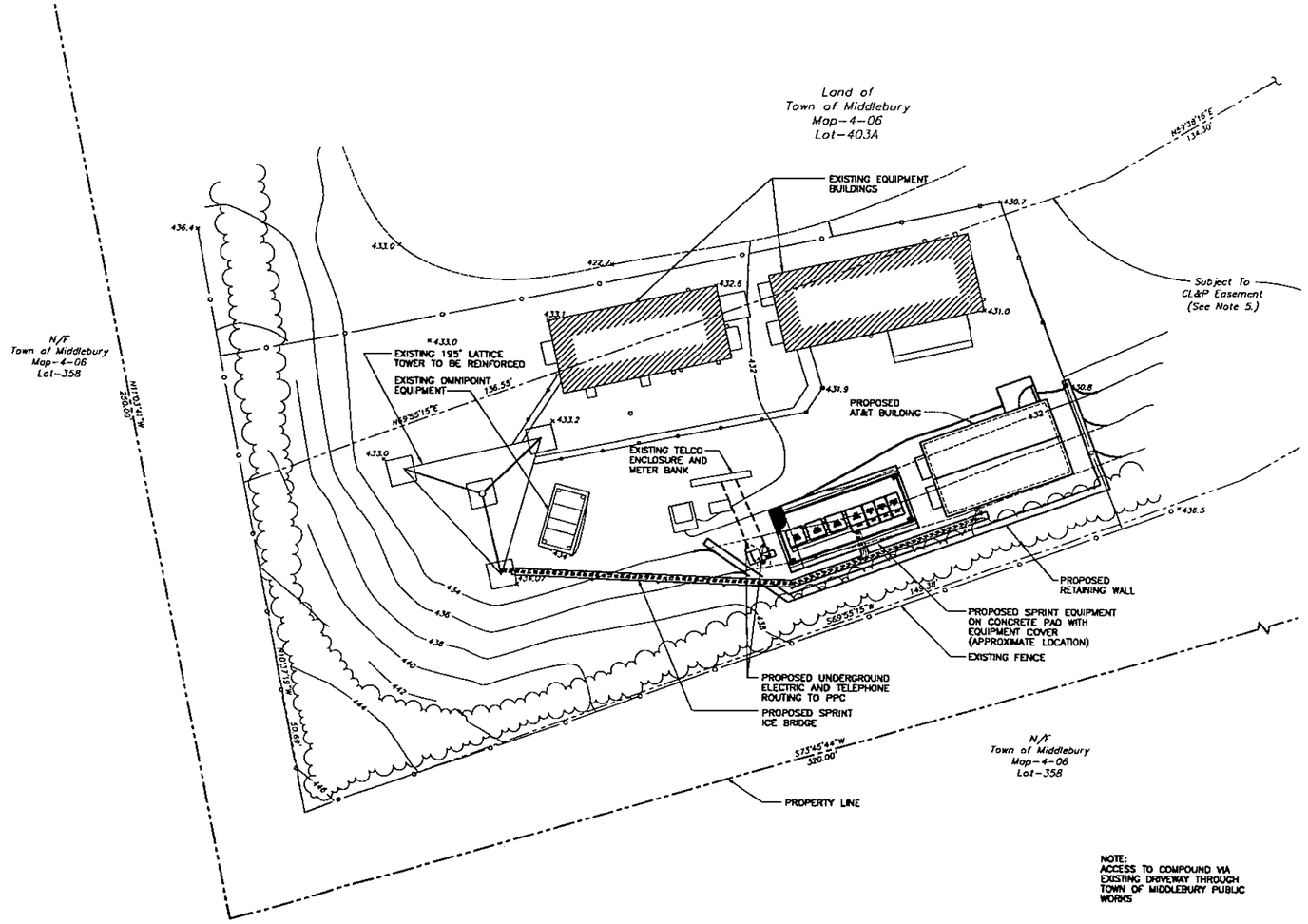
T-1



3 SC-1 **TYPICAL TOWER REINFORCEMENT PLAN**
SCALE: 1/8"=1'-0"



2 SC-1 **TOWER ELEVATION**
SCALE: 1/16"=1'-0"



NOTE:
ACCESS TO COMPOUND VIA EXISTING DRIVEWAY THROUGH TOWN OF MIDDLEBURY PUBLIC WORKS

1 SC-1 **SITE MODIFICATION PLAN**
SCALE: 1"=10'-0"

Sprint PCS

AT&T

BBS Brainer Woodward Clyde A-E-S
500 ENTERPRISE DRIVE
ROCKY HILL, CONNECTICUT
1-(860)-529-8882

A&E SEAL

PROJECT NO:	F301772.41
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MIDDLEBURY

1 SERVICE ROAD
MIDDLEBURY CONNECTICUT

SITE MODIFCATION PLAN AND TOWER ELEVATION

SC-1

URS Greiner Woodward Clyde
A Division of URS Corporation

500 Enterprise Drive, Suite 3B
Rocky Hill, CT 06067
Tel: 860.529.8882
Fax: 860.529.3991
Offices Worldwide

December 28, 1999

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

Reference: Proposed Telecommunications Facility
Sprint PCS Site Number: CT33XCC532
1 Services Road
Middlebury, Connecticut
F300001772.41

Dear Mr. Gelston:

URS Greiner Woodward Clyde (URSGWC) has prepared a Structural Analysis to add two additional carriers to the existing Omnipoint lattice tower on 1 Service Road in Middlebury, Connecticut. The structural analysis concluded that the existing 195' lattice tower would not support the additional loads imposed by the proposed Sprint PCS and AT&T Wireless antennas without structural modifications.

URSGWC has designed reinforcements to the tower as necessary to meet the requirements of EIA/TIA-222-F. The tower reinforcements consist of a 12" galvanized steel pipe section with supports to the existing tower legs. Additionally, we will add horizontal and diagonal reinforcements legs from the new pipe section to the existing tower. With the tower reinforcements, the existing lattice tower will be able to support the additional loads of the Sprint PCS and AT&T wireless antennas.

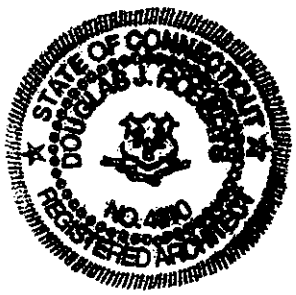
Please contact me if there are any questions.

Sincerely,

URS Greiner Woodward Clyde AES

Douglas J. Roberts, AIA
Project Manager

DJR/ms
cc: Lonnie Grills, Sprint PCS
Jeff York, Pinnacle
Julie Cashin, Hurwitz and Sagarin
Michael Murphy, AT&T
Jennifer Gaudet, Pinnacle
William Appleton, AT&T
I. Artaiz, URSGWC
A. Abadjian, URSGWC



CT33XC532 - 1021 Straights Turnpike, Middlebury, CT
Worst Case Power Density Analysis of Sprint PCS Antennas @ Base of Tower.
(Assumes Max ERP & No Antenna Pattern Adjustment)

Operating Frequency (MHz)	Number of Trans.	Effective Radiated Power (ERP) Per Transmitter (Watts)	Total ERP (Watts)	Antenna Height (Feet)	Distance From Base of Tower (Feet)	Calculated Power Density (mW/cm2)	Maximum Permissable Exposure*	%MPE
1962.5	11	553	6083	155	0	0.091150	1	9.1150%
1962.5	11	553	6083	155	50	0.082559	1	8.2559%
1962.5	11	553	6083	155	100	0.064361	1	6.4361%
1962.5	11	553	6083	155	150	0.047069	1	4.7069%
1962.5	11	553	6083	155	200	0.034204	1	3.4204%
1962.5	11	553	6083	155	250	0.025309	1	2.5309%
1962.5	11	553	6083	155	300	0.019205	1	1.9205%
1962.5	11	553	6083	155	350	0.014945	1	1.4945%
1962.5	11	553	6083	155	400	0.011900	1	1.1900%
1962.5	11	553	6083	155	450	0.009667	1	0.9667%
1962.5	11	553	6083	155	500	0.007992	1	0.7992%

*Requirements set forth in OET Bulletin 65. Based on NCRP Report No. 86 and ANSI/IEEE C95.1-1992

CT33XC532 - 1021 Straights Turnpike, Middlebury, CT
Worst Case Power Density Analysis of AT&T Antennas @ Base of Tower.
(Assumes Max ERP & No Antenna Pattern Adjustment)

Operating Frequency (MHz)	Number of Trans.	Effective Radiated Power (ERP) Per Transmitter (Watts)	Total ERP (Watts)	Antenna Height (Feet)	Distance From Base of Tower (Feet)	Calculated Power Density (mW/cm2)	Maximum Permissable Exposure*	%MPE
1967.5	8	100	800	145	0	0.013698	1	1.3698%
1967.5	8	100	800	145	50	0.012242	1	1.2242%
1967.5	8	100	800	145	100	0.009283	1	0.9283%
1967.5	8	100	800	145	150	0.006617	1	0.6617%
1967.5	8	100	800	145	200	0.004719	1	0.4719%
1967.5	8	100	800	145	250	0.003448	1	0.3448%
1967.5	8	100	800	145	300	0.002594	1	0.2594%
1967.5	8	100	800	145	350	0.002007	1	0.2007%
1967.5	8	100	800	145	400	0.001591	1	0.1591%
1967.5	8	100	800	145	450	0.001288	1	0.1288%
1967.5	8	100	800	145	500	0.001063	1	0.1063%

***Requirements set forth in OET Bulletin 65. Based on NCRP Report No. 86 and ANSI/IEEE C95.1-1992**