

# STATE OF CONNECTICUT

# CONNECTICUT SITING COUNCIL

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

December 13, 1999

Sandy M. Carter, Manager – Regulatory Bell Atlantic NYNEX Mobile 20 Alexander Drive P.O. Box 5029 Wallingford, CT 06492

RE:

EM-BAM/SCLP-034-991124 - Bell Atlantic Mobile and Springwich Cellular Limited Partnership notice of intent to modify an existing telecommunications tower located at 48 Newtown Road in Danbury, Connecticut.

Dear Ms. Carter:

At a public meeting held on December 8, 1999, the Connecticut Siting Council (Council) ruled that the proposed use of this existing tower would not cause a significant change or alteration in the physical and environmental characteristics of the site, and pursuant to Section 16-50j-72 (c) of the Regulations of Connecticut State Agencies would constitute a regulatory exemption.

The proposed modifications are to be implemented as specified here, in your notice dated November 24, 1999, and in additional information dated December 1, 1999. This exemption is conditioned on the requirement that the existing 100-foot guyed lattice tower located at 50 Newtown Road be removed as required by the town zoning permit for the new tower at 48 Newtown Road. The modifications are in compliance with the exception criteria in Section 16-50j-72 (c) of the Regulations of Connecticut State Agencies as changes to an existing non-facility tower that have received all municipal zoning approvals and building permits and that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels or more, and increase the total radio frequency 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 tower has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequency now used on this tower. Any additional change to this tower 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 No. 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/SLL/sll

cc: Honorable Gene F. Eriquez, Mayor, City of Danbury Peter W. van Wilgen, Director – Real Estate Operations, SNET Wireless, Inc.

# Bell Atlantic Mobile

20 Alexander Drive P.O. Box 5029 Wallingford, CT 06492-2430 203-269-8858

December 1, 1999

HAND DELIVERED

Mr. Steve Levine, Siting Analyst Connecticut Siting Council 10 Franklin Square New Britain, Connecticut 06051





DEC 0 2 1999

CONNECTICUT SITING COUNCIL

Re:

Bell Atlantic Mobile and Springwich Cellular Limited Partnership – Danbury

Cell Site

Dear Mr. Levine:

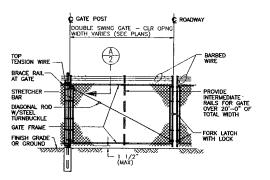
As per our recent phone conversation regarding a fence around the tower and generator at the Danbury cell site, I called the owner and asked if there was to be a fence constructed in this area. He indicated that a fence was to be built around the tower and generator area and that it had been included on the construction plans. I asked for a copy of that drawing and he had the engineer send it to me. I am submitting three copies of that plan to you to indicate that a fence will be erected around the tower and the generator.

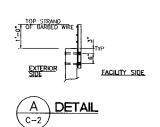
Thank you for your time and consideration on this matter.

Very truly yours,

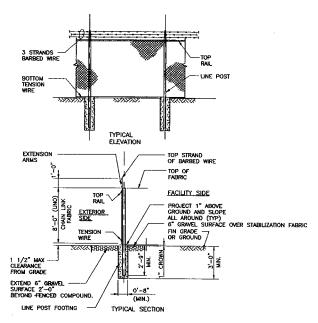
Sandy M. Carter

Manager – Regulatory Bell Atlantic Mobile





4 WOVEN WIRE SWING GATE-DOUBLE

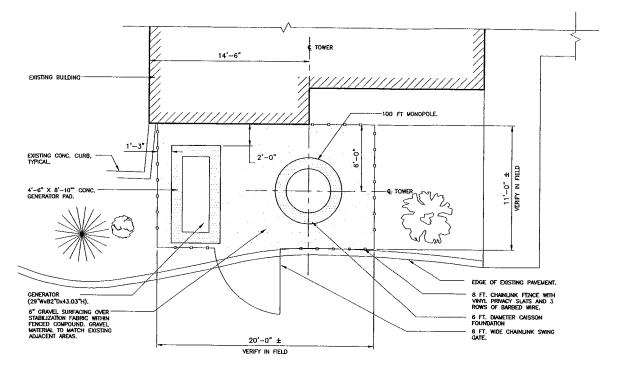


NOTE: SEE WOVEN WIRE FENCE NOTES FOR THIS DWG, FOR ADDITIONAL INFO.

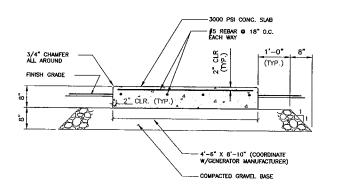
# 5 WOVEN WIRE FENCE DETAIL

# WOVEN WIRE FENCE NOTES

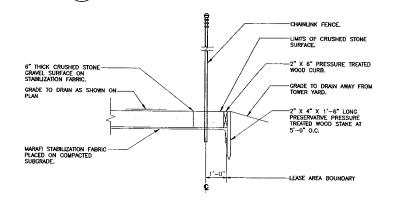
- GATE POST, CORNER, TERMINAL OR PULL POST 2 1/2" # SCHEDULE 40 FOR GATE WIDTHS
  UP THRU 6 FEET OR 12 FEET FOR DOUBLE SWING GATE PER ASTM-F1083.
- 2. LINE POST: 2" # SCHEDULE 40 PIPE PER ASTM-F1083.
- GATE FRAME: 1 1/2" ø SCHEDULE 40 PIPE PER ASTM-F1083.
- 4. TOP RAIL & BRACE RAIL: 1 1/2" # SCHEDULE 40 PIPE PER ASTM-F1083.
- 5. FABRIC: 12 GA. CORE WIRE SIZE 2" VINYL COATED MESH, CONFORMING TO ASTM-A392.
- TIE WIRE: MINIMUM 11 GA. GALVANIZED STEEL AT POSTS AND RAILS A SINGLE WRAP OF FABRIC TIE AND AT TENSION WIRE BY HOG RINGS SPACED MAX 24" INTERVALS.
- 7. TENSION WIRE: 7 GA. GALVANIZED STEEL.
- BARBED WIRE: DOUBLE STRAND 12-1/2" O.D. TWISTED WIRE TO MATCH W/FABRIC 14 GA., 4 PT. BARBS SPACED ON APPROXIMATELY 5" CENTERS.
- 9. GATE LATCH: DROP DOWN LOCKABLE FORK LATCH AND LOCK, KEYED ALIKE FOR ALL SITES IN A GIVEN MTA.
- 10. LOCAL ORDINANCE OF BARBED WIRE PERMIT REQUIREMENT SHALL BE COMPLIED WITH IF REQUIRED.
- 11. HEIGHT = 8' VERTICAL + 1' BARBED WIRE VERTICAL DIMENSION.
- 12. PRIVACY SCREENING: MAX SLAT AS MANUF. BY PATRICIAN, OR APPROVED EQUAL



# 1 EQUIPMENT COMPOUND PLAN SCALE: NOT TO SCALE

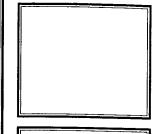


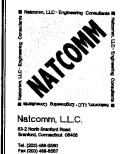
# GENERATOR PAD DETAIL Output Output





		REVISIONS							
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-		01	07/30/99	BID PURPOSES					
- 1		02	09/24/99	CONSTRUCTION DOCS.					
		03	10/18/99	ADDENDUM 1					
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Consulting Engineers - Project Me Site Acquisition - Consumination

GERMANTOWN DANBURY

50 NEWTOWN ROAD DANBURY, CONNECTICUT

PROJECT NO:	995159
DRAWN BY:	стw
CHECKED BY:	CFC
SCALE:	1"=20'-0"
DATE:	4/23/99

TOWER COMPOUND PLAN & SITE DETAILS

C-2

## SPRINGWICH CELLULAR LIMITED PARTNERSHIP

500 Enterprise Drive, 3<sup>rd</sup> Floor Rocky Hill, CT. 06067 860/513-7615 **BELL ATLANTIC MOBILE** 

20 Alexander Drive Wallingford, CT. 06492 203/294-8519

November 24, 1999



NOV 2 4 1999

CONNECTICUT SITING COUNCIL

# HAND DELIVERED

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

Re: Bell Atlantic Mobile and Springwich Cellular Limited Partnership – Danbury

Cell Site

Dear Mr. Gelston:

Cellco Partnership d/b/a Bell Atlantic Mobile (the "Company") and Springwich Cellular Limited Partnership ("SCLP") (collectively, the "Applicants") plan to install cellular antennas and related equipment at the tower facility in Danbury owned by Fifty Newtown Road Corporation of Danbury, Connecticut. Please accept this letter as notice of intent, pursuant to R.C.S.A. Section 16-50j-73, of the placement of associated equipment on an existing non-facility tower pursuant to R.C.S.A. Section 16-60j-72(c). In further compliance with R.C.S.A. Section 16-50j-73, a copy of this letter is being sent to the Mayor of Danbury.

The existing non-facility tower is a 100' steel monopole tower located at 48 Newtown Road, Danbury, Connecticut. The Applicants each plan to install twelve panel-type cellular antennas (total of 24 antennas) and one G.P.S. antenna on the building. Bell Atlantic Mobile plans to install its equipment within a portion of the existing building, approximately a 12' x 20' space. Bell Atlantic Mobile will also install a diesel generator for emergency use at the base of the tower. The generator will be installed following receipt of the required DEP permit. Springwich Cellular Limited Partnership will continue to occupy its equipment space at 50 Newtown Road previously approved by the Council at its meeting held on August 25, 1995.

The addition of the Applicants' antennas and equipment to the tower site does not constitute a substantial environmental affect since such additions do not cause a significant change or alteration in the physical and environmental characteristics of the site (see attached site plan). Rather, the planned changes to the existing non-facility tower falls squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72 (c).

Mr. Mortimer A. Gelston November 24, 1999 Page 2

First, the height of the existing tower will be unaffected. Bell Atlantic Mobile will install twelve antennas, Allgon Model 7129.16, four per sector on a triangular platform to be attached to the tower. The center of radiation will be 90' AGL. The GPS antenna will be mounted on the building. Springwich Cellular Limited Partnership will install twelve antennas, Model Allgon 7120.16, four per sector on a triangular platform to be attached to the tower. The center of radiation will be 100' AGL. Attached is the Structure Design Calculation Report which Bell Atlantic Mobile had performed for this site.

Second, the proposed addition will not extend the site boundaries. Bell Atlantic Mobile's proposed equipment will be located within an existing building on the site at 48 Newtown Road. A zoning permit was issued to the property owner for the tower and equipment storage at 48 Newtown Road (see attached copy of zoning permit dated 12/29/98). Springwich Cellular Limited Partnership's equipment will remain in the existing space located within a building at 50 Newtown Road which was previously approved by the Council on August 29, 1995. Antenna cables from the existing equipment room will be routed underground to the building located at 48 Newtown Road and then routed along the side of the building and across the roof to the new monopole tower. The existing 100' guyed tower located at 50 Newtown Road will be removed as required by the zoning permit for the new monopole tower at 48 Newtown Road.

Third, the proposed addition will not increase the noise levels at the existing compound facility by six decibels or more.

Fourth, operation of the antennas will not increase the total frequency electromagnetic radiation power density, measured at the tower base, to a level at or above the applicable ANSI standards. "Worst-case" exposure calculations for a point at the base of the tower in relation to operation of each of BAM's and SCLP's antenna arrays are as follows:

	Applicable ANSI Stnd.	Calculated "Worst Case"	Percentage of Stnd.
BAM	0.583 mW/cm2	0.0843 mW/cm2	14.46%
SCLP	0.5867 mW/cm2	0.0683 mW/cm2	11.63%
		Total	26.09%

The collective "worst-case" exposure would be only 26.09% of the ANSI standard, as calculated for mixed frequency sites. Power density levels from shared use of the tower facility would thus be well below applicable ANSI standards.

Mr. Mortimer A. Gelston November 24, 1999 Page 3

Finally, the owner of the tower, 48 Newtown Road Corporation, has received the necessary municipal approvals and permits for the project for a multi-tenant monopole communications facility. (see attached building and zoning permits).

For the foregoing reasons, the Applicants seek a ruling that their proposed additions to the non-facility tower would not cause a significant change or alteration in the physical and environmental characteristics of the site pursuant to R.C.S.A. Section 16-50j-72 (c)(1). The Applicants further submit that the changes comply with R.C.S.A. Section 16-50j-72 (c), (2) through (5) and therefore request a determination that the placement of the antennas and equipment on the existing non-facility tower site does not constitute a substantial environmental effect under R.C.S.A. Section 16-50j-72 (c).

Thank you for your consideration of this matter.

Pursuant to Connecticut General Statutes Section 16-50v-1 (a) of the Regulations of Connecticut State Agencies, the Applicants have enclosed a check in the amount of \$500.00 for the required filing fee.

Very truly yours,

Sandy M. Carter Sandy M. Carter Manager - Regulatory

Bell Atlantic Mobile

marshall a. West

Marshall A. West

Manager - Real Estate Contracts & Construction Springwich Cellular Limited Partnership

Attachments

cc: Honorable Gene F. Eriquez, City of Danbury

# SPRINGWICH CELLULAR LIMITED PARTNERSHIP

500 Enterprise Drive, 3<sup>rd</sup> Floor Rocky Hill, CT. 06067 860/513-7700 BELL ATLANTIC MOBILE 20 Alexander Drive Wallingford, CT. 06492 203/294-8519

November 24, 1999

Honorable Gene F. Eriquez, Mayor City of Danbury City Hall 155 Deer Hill Avenue Danbury, Connecticut 06810

Dear Mr. Eriquez:

This letter is to inform you that Cellco Partnership d/b/a Bell Atlantic Mobile ("BAM") and Springwich Cellular Limited Partnership ("SCLP") plan to install antennas and associated equipment at the existing tower facility located at 48 Newtown Road, Danbury, Connecticut. As required by Section 16-50j-73 of the Regulations of the Connecticut State Agencies (R.C.S.A.), please accept this letter and the attached letter to the Connecticut Siting Council as notice on intent of the placement of the associated equipment on an existing non-facility tower pursuant to R.C.S.A. Section 16-50j-72 (c).

The attached letter fully sets forth the Companies' proposal. However, if you have any questions or require any further information on the plans for this site or the Siting Council's procedures, please contact the undersigned at (203) 294-8519 or Mr. Joel Rinebold, Executive Director of the Connecticut Siting Council, at (860) 827-2935.

Sincerely,

Marshall A. West

Marshall a. West

Manager-Real Estate Contracts & Construction Springwich Cellular Limited Partnership Sandy M. Carter Manager - Regulatory

Sandy M. Carter

Bell Atlantic Mobile

Enclosure

TO



# CITY OF DANBURY

155 DEER HILL AVENUE

DANBURY, CONNECTICUT 06810

PLANNING & ZONING DEPARTMENT (203) 797-4525 (203) 797-4586 (FAX)

December 29, 1998

Mr. Paul S. McNamara Donnelly, McNamara & Gustafron, P.C. 150 Danbury Road PO Box 2006 Ridgefield, CT 06877

RE:

Watver No. 98-49

48 Newtown Road - Telephone Tower and Equipment Storage Assessor's Lot Numbers K12265, K12266

Dear Mr. McNamara:

Your application for a Waiver to Site Plan Requirements for the construction of a Telephone Tower and Equipment Storage on the above-referenced site is approved as follows:

- 1. The existing telephone tower on the adjacent site identified as 50 Newtown Road will be removed in lieu of the construction of the tower and equipment storage facility to be located at 48 Newtown
- 2. There shall be no exterior changes to the building façace other than the addition of the tower in the location as shown on the Site Plan prepared for 48 Newtown Road Corporation by New England Land Surveying, dated August 21, 1989 as revised to September 9, 1994 as submitted in support of this Waiver Application. 3.

This approval does not waive any other departmental approvals, requirements or permits that may be necessary to complete this proposed project.

A Zoning Permit may now be required. Please contact the Zoning Department for further information regarding this process. Upon completion of construction, a Zorting Certificate of Compliance will be issued by this Office prior to the issuance if a Certificate of Occupancy by the Building Department, provided work was completed in accordance with the Waiver to Site Plan Requirements approved

Respectfully.

Sharon B. Califro

Assistant Planning Director

C: Wayne Skelly, Zoning Enforcement Officer Mario Ricozzi, P.E., Director of Dept. of Permit Coordination

DATE Jan. 6, 1999

\$75,000.00

FEE \$200.00 + \$10.00 = \$210.00

Total includes \$10 Ctate Ene

ESTIMATED COST

# CITY OF DANBURY PLANNING & ZONING DEPARTMENT

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operty Located At 48 NEWTOWN RD.					
rrent Use of Property Commercial		_ Propose	d Use of Pr	operty Same	K-1226
neCG-20 Lot Area or Dimensions_		25,998	3 sq.ft.	Asse	ssor's Lot No. K-122
IS PERMIT IS FOR THE FOLLOWING ACTIVITY:					
New Construction	Cha	nge of Use	· /	In	terior Alterations
Addition	Ext	erior Alte	rations	<del></del>	cavation
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Regulations of the City of Danbury. CALL 797-4525 WHEN JOB IS COMPLETED TO ARRANGE ZONING COMPLIANCE INSPECTION.

Cinnature of Number or Authorized Ament

POST THIS PERMIT CONSPICUOUSLY

# DEPARTMENT OF BUILDINGS, DANBURY, CONNECTICUT

Phone 797-4581

# PERMIT

12/13/00		471 cetaining w	Zone C6.20		License No.	License No.	•
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10/13/29	48 New Town Rd Corp.	100' monapole tower & town. 100m; 47'cetaining w			Une.	take our own	このできる 一次の名は大野なな
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In accordance with application, plans and specifications on file, and subject to Occupancy of this new building or addition prior to issuance of a Certificate of ordinances and Building Code of the City of Danbury, otherwise this permit is void. Occupancy will be considered a violation of the Building Code Regulations

Les ? Nullian)

# NOTICE

Changes, regardless of size, from stamped approved plans must be submitted to Building Inspector before they are made.

SIDE

**3019** 

Prompt notification by the Plumbing. Electrical, and General contractors of completion of their respective portions of the work will aroid delay in issuance of the Certificate of Occupancy.

This Application is seed and void if the building is not completed in one year from the date of issue, except by extension of

# INSPECTIONS:

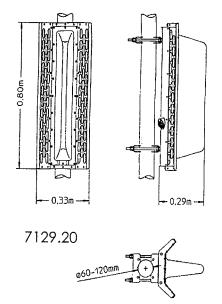
Normally there are nine or more required inspections of a new building, and as many as apply on alterations and additions:

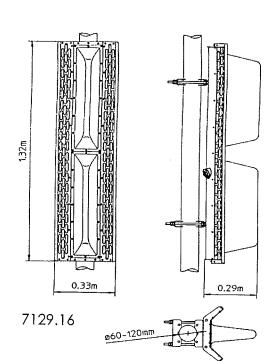
- 1. ZONING
- 2. SOIL CONDITIONS—before foundation footings
  - 3. FOOTING—drain inspection
- 4. ELECTRICAL—wiring roughing
  - 5. PLUMBING-roughing
- 6. FRAMING—before insulation or lathing
- 7. INSULATION—inspection
  8. GAS OR OIL BURNER—installation and wiring
- 9. ELECTRICAL—final when fixtures have been hung
  - 10. PLUMBING-final when fixtures have been set
    - PINAL—fire divisions, exits, etc.

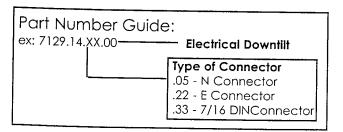


		V
Electrical Specifications	7129.20	7129.16
Polarization	linear, vertical	linear, vertical
Gain dBd (dBi)	11 (13)	13 (15)
Horizontal -3dB beamwidth	85°	85°
Front-to-back ratio	>30 dB	>30 dB
Vertical -3dB beamwidth	25°	15°
Electrical Downtilt	0	0
Nominal Impedance	50 ohm	50 ohm
VSWR	<1.5:1	<1.5:1
Maximum input power	500W	500 W
Intermodulation products(2Tx@20 W.)	<-103 dBm	<-103 dBm

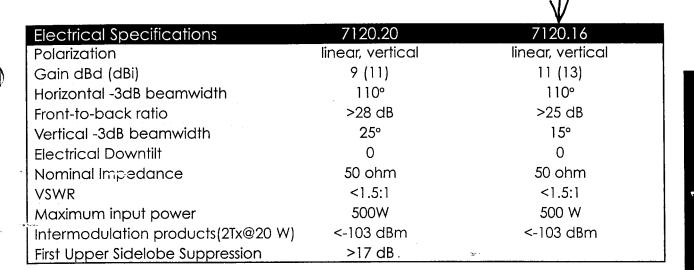
Mechanical Specifications	7129.20	7129.16
Height	31.5" (.8m)	52" (1.32m)
Width	13" (.33m)	13" (.33m)
Depth	11.4" (.29m)	11.4" (.29m)
Weight	12.1 lb (5.1 kg)	17.4 lb (7.9kg)
Survival wind speed	156 mph (70m/s)	156 mph (70m/s)
Maximum wind area	2.7 sq ft (.25 sq m)	4.5 sq ft (.42 sq m)
Max. wind load @ 100 mph (C=1)	44 lbf. (194N)	73 lbf. (326N)



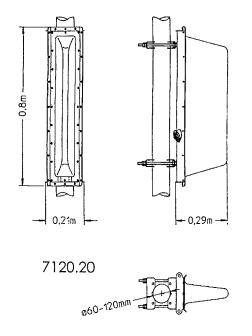


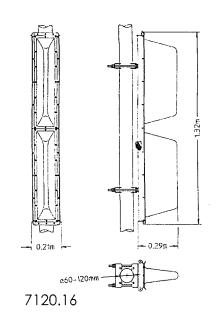


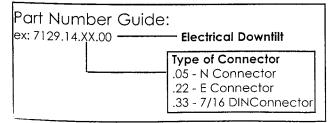




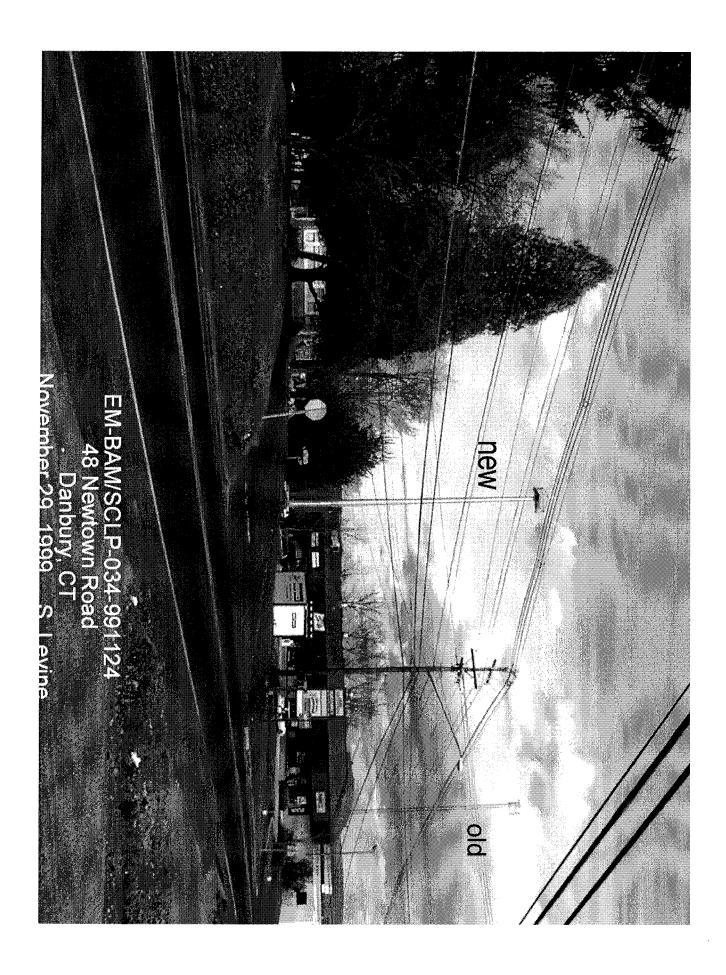
Mechanical Specifications	7120.20	7120.16
Height	31.5" (.8m)	52" (1.32m)
Width	8.3" (.21m)	6.3" (.16m)
Depth	11.4" (.29m)	9.8" (.25m)
Weight	10.1 lb (4.6 kg)	15.4" (7 kg)
Survival wind speed	156 mph (70m/s)	156 mph (70m/s)
Maximum wind area	2.3 sq ft (.21 sq m)	3.7 sq ft (.34 sq m)
Max. wind load @ 100 mph (C=1)	37 lbf. (163N)	59 lbf. (264N)













# STATE OF CONNECTICUT

# CONNECTICUT SITING COUNCIL

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

November 30, 1999

Honorable Gene F. Eriquez Mayor City of Danbury City Hall 155 Deer Hill Avenue Danbury, CT 06810

RE:

EM-BAM/SCLP-034-991124 - Bell Atlantic Mobile and Springwich Cellular Limited Partnership notice of intent to modify an existing telecommunications tower located at 48 Newtown Road in Danbury, Connecticut.

Dear Mayor Eriquez:

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

The Council will consider this item at the next meeting scheduled for Wednesday, December 8, 1999, 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,

Joel M. Rinebold

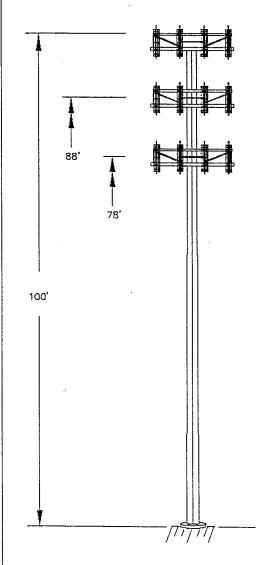
Executive Director

JMR/jlh

Enclosure: Notice of Intent

ENGINEERED	Structure	BELL ATLANTIC/CT	By L. PADGETT  Checked	7/6/99 Date 5246
INCORPO	Structure .	100' MONOPOLE	Checked	5246 Job/Quote No.

SITE LOCATION - FAIRFIELD COUNTY, CT SITE NAME - GERMANTOWN



# TANTENNA LOADING:

- (12) ALP 9212 DIRECTIONAL ANTENNAS STANDARD PLATFORM
- (12) ALP 9212 DIRECTIONAL ANTENNAS STANDARD PLATFORM @ 88' (FUTURE)
- (12) ALP 9212 DIRECTIONAL ANTENNAS STANDARD PLATFORM @ 78' (FUTURE)

DESIGN NOTES

DESIGNED IN ACCORDANCE WITH TIA/EIA 222 F 85 MPH BASIC WIND SPEED 1/2" RADIAL ICE

CASE I - 85 MPH BASIC WIND SPEED

CASE II - 75% OF 85 MPH BASIC WIND WITH 1/2" SIMULTANEOUS ICE

NOTE: IT IS THE RESPONSIBILITY
OF THE PURCHASER TO VERIFY
THAT THE WIND LOADS AND DESIGN
CRITERIA SPECIFIED MEET THE REQUIREMENTS
OF ALL LOCAL BUILDING CODES

# Engineered Endeavors Inc.

7610 Jenther Drive Mentor, Ohio 44060 Tel (440) 918-1101 Fax (440) 918-1108

# Communications Structure Nonlinear Analysis and Design Program

15:52:14 07-06-1999 Revision 1.2 - 4/22/98 Engineer: L. PADGETT

Customer BELL ATLANTIC MOBILE/CT

Job Name 5246

Structure 100' MONOPOLE

Location FAIRFIELD COUNTY, CT

Site **GERMANTOWN** 

OD BOT	OD NUM. TOP SIDES	THICK INCH	TAPER IN/FT	LENGTH FT		JOINT TYPE			JOINT HEIGHT
27.98 37.00		).3125 COTAL T	0.210 JBE WEI	50.00	0.00	SLIP BASEPL 8242. 96.00	52.0 POUNDS	5242.	48.00

E = 29600.0 KSI
UNIT WGT = 0.283 LBS/CU IN
AISC constants are used for stress reductions.
TUBE SECTIONS HAVE 18 SIDES AND ARE TREATED AS ROUND
Internal bend radius = 3 X T
Tube diameters are measured flat to flat.
Tube diameters are increased by 1.020 for wind across points.
Drag coefficients are increase by 1.300 for steps on the pole.
AISC Tube Shape Coefficient of 1.000 is applied.
ORIGINAL DATA FILE NAME H:\LAP\QUOTES9\9625-100

REVISED DATA FILE NAME H:\LAP\JOBS5\5246-100

## **APPURTENANCES**

ALP 9212-N 12 98. 1.365 3.90 27. 2.0000 4.24 55. 2.0000 0 5 5 5 5 5 5 5 5 5 5 6 6 7 6 7 7 8 7 7 8 7 8 7 8 7 8 7 8 7 8	DESCRIPTION	NUM.	ELEV. Kz	AREA WGT Ca	AREA WGT Ca FACTOR
STD AMPS PLATFORM 1 78. 1.279 33.75 2000. 1.0000 42.20 3000. 1.0000 1 STD AMPS PLATFORM 1 88. 1.323 33.75 2000. 1.0000 42.20 3000. 1.0000 1	ALP 9212-N STD AMPS PLATFORM ALP 9212-N ALP 9212-N STD AMPS PLATFORM	12 1 12 12 1	98. 1.365 98. 1.365 88. 1.323 78. 1.279 78. 1.279	<pre>&lt; WITHOUT ICE &gt; 3.90  27. 2.0000 33.75 2000. 1.0000 3.90  27. 2.0000 3.90  27. 2.0000 33.75 2000. 1.0000</pre>	<pre>&lt; WITH ICE &gt; 4.24 55. 2.0000 0.75 42.20 3000. 1.0000 1.00 4.24 55. 2.0000 0.75 4.24 55. 2.0000 0.75 4.20 3000. 1.0000 1.00</pre>

	SUMMARY	TABLE							
ELEV	STRESS RA	ATIO AXIAL	BENDING	LOAD	ING				
96.00	0.04	2.05	8.9	1	85	MPH	BASIC	WIND	SPEED
88.00	0.16	4.39	47.2	1	85	MPH	BASIC	WIND	SPEED
78.00	0.40	6.94	143.9	1.	85	MPH.	BASIC	WIND	SPEED
68.00	0.65	7.69	288.2	1	85	MPH	BASIC	WIND	SPEED
58.00	0.82	8.54	436.8	. 1	85	MPH	BASIC	WIND	SPEED
48.00	0.95	8.54	589.6	1	85	MPH	BASIC	WIND	SPEED
36.00	0.88	*11.39	778.6	1	85	MPH	BASIC	WIND	SPEED
24.00	0.93	13.23	973.2	1	85	MPH	BASIC	WIND	SPEED
12.00	0.96	14.61	1173.5	1	85	MPH	BASIC	WIND	SPEED
0.00	0.99	15.33	1379.3	1	85	MPH	BASIC-	WIND	SPEED

MAXIMUM	SOPPOR	K.T. MOWE	:NT K-1	."I"	1379.35
CORRESPO	ONDING	AXIAL	FORCE	KIPS	15.32
CORRESPO	ONDING	SHEAR	FORCE	KIPS	17.49

BASE	PLATE	AT	ELEVATION	0.00	FEET
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TUBE DIAMETER	37.00 INCHE	S	
DESIGN MOMENT	1379.3 KIP F	T	Max. I
DESIGN MOMENT IS	0. DEGREES FR	OM THE W	IND DIRECTION
BOLTS ARE ON THE	KNUCKLES OF THE	TUBE	
ADDITED AVIAL FORCE	15 2 VIDO	•	

APPLIED AXIAL FORCE 15.3 KIPS
APPLIED SHEAR 17.49 KIPS

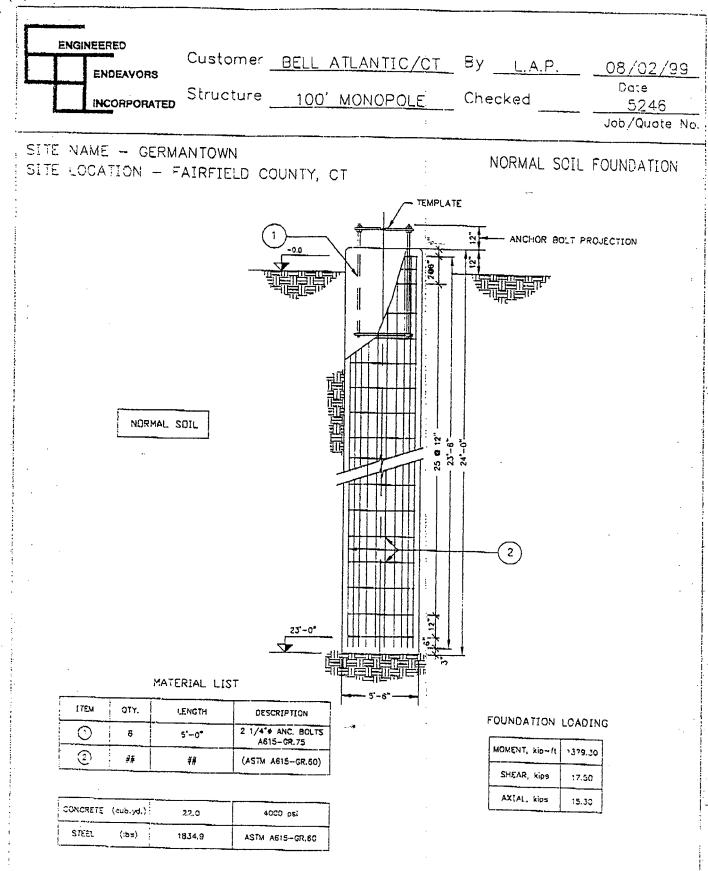
# BOLT DATA

BOLT TYPE	A615	GR75
BOLTS ARE EVENLY SPACED		
DIAMETER	2.250	INCHES
EFFECTIVE AREA	3.250	SQ IN
TOTAL LENGTH (DET)	6.0	FEET
MINIMUM EMBEDMENT	5.0	FEET
NUMBER OF BOLTS	8	
BOLT CIRCLE DIAMETER	45.00	INCHES
ALLOWABLE STRESS	60.0	KSI
APPLIED AXIAL STRESS	57.2	KSI
MAX BOLT FORCE	185.8	KIPS
BOLT BENDING STRESS	3.2	KSI
COMBINED BOLT STRESS	60.4	KSI
CLEARANCE UNDER PLATE	3.25	INCHES
BOLT WEIGHT		POUNDS

# PLATE DATA

DIAMETER OF PLATE	51.00	INCHES
MATERIAL	A871 G	R60
PROVIDED THICKNESS	1.500	INCHES
REQUIRED THICKNESS	1.455	INCHES
BOLT HOLE DIAMETER	2.625	INCHES
CENTER HOLE SIZE	27.00	INCHES
NET WEIGHT	605.7	POUNDS
RAW STOCK WEIGHT	1104.1	POUNDS
SURFACE AREA	19.82	SQ FT
ALLOWABLE STRESS	59.99	KŠI
MAX APPLIED STRESS	56.47	KSI
CONCRETE STRENGTH	3000	PST

Base Plate - use 51.00 inch ROUND x 1.500 inch A871 GR60 with ( 8) 2.250 diameter x 6.00 foot caged A615 GR75 double end threaded bolts  $\rm w/(5)$  hex nuts each on a 45.00 inch bolt circle

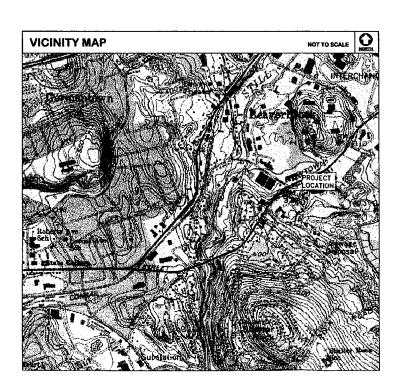


NOT FOR CONSTRUCTION

# OBell Atlantic Mobile

# WIRELESS COMMUNICATIONS FACILITY

# GERMANTOWN 50 NEWTOWN ROAD DANBURY, CONNECTICUT



LEGEND	
SYMBOL	DESCRIPTION
	SECTION OR DETAIL NUMBER SHEET WHERE DETAIL/SECTION OCCURS
	ELEVATION NUMBER SHEET WHERE ELEVATION OCCURS

SHEET INDEX			
DESCRIPTION	REV. NO.		
TITLE SHEET, GENERAL NOTES & LEGENDS	00		
SITE PLAN	00		
BUILDING ELEVATION	00		
<u> </u>			
	DESCRIPTION  TITLE SHEET, GENERAL NOTES & LEGENDS  SITE PLAN		

	RE\	/ISIONS
00	11/22/99	CT SITING COUNCIL
01		
02		
03		
04		
06		
06		
07		
08		

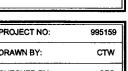






GERMANTOWN DANBURY BAM PROJECT NO. 963120

50 NEWTOWN ROAD DANBURY, CONNECTICUT



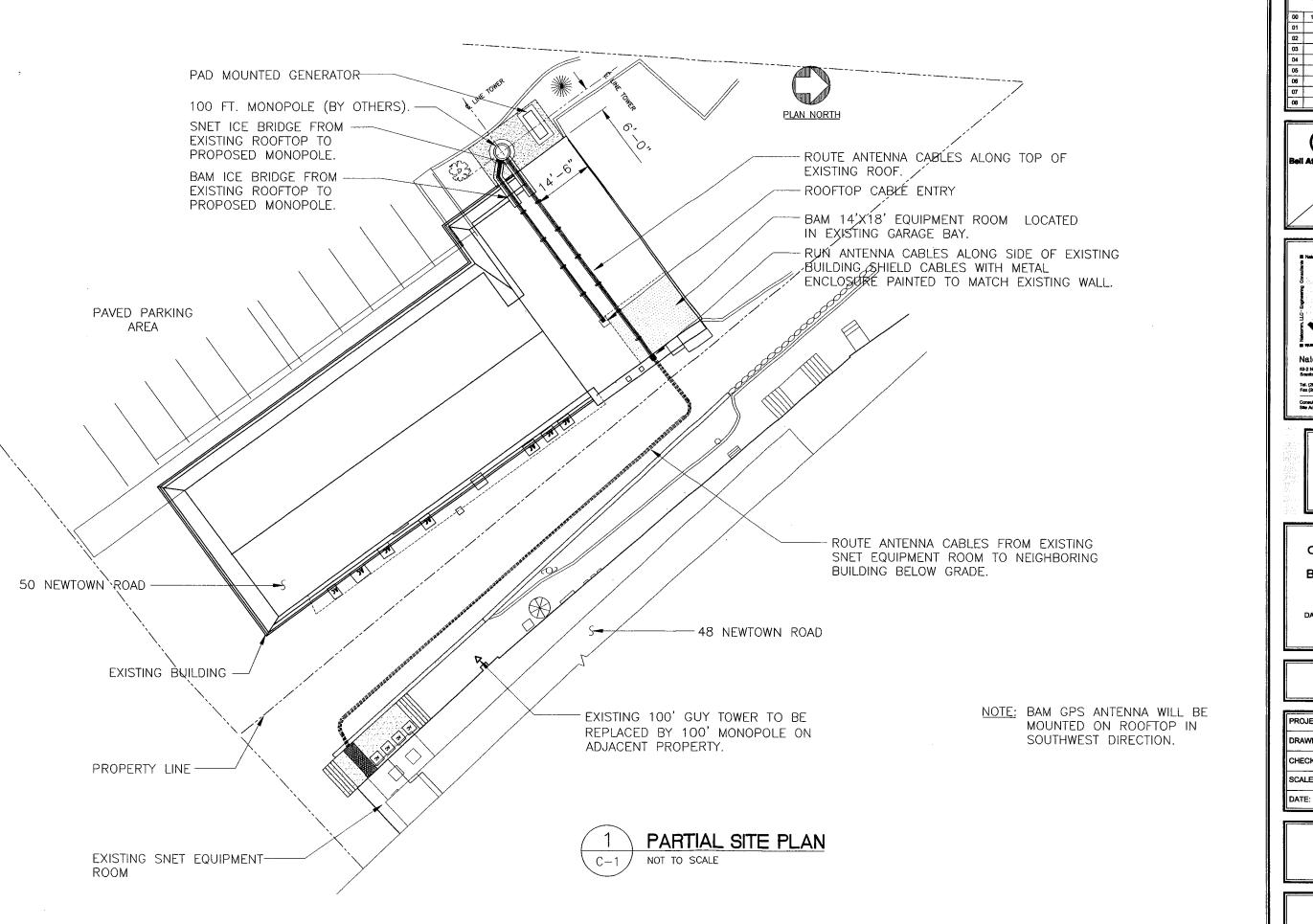
CHECKED BY: CFC

SCALE: NONE

DATE: 4/23/99

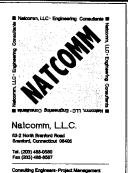
TITLE SHEET, GENERAL NOTES AND LEGENDS

T-1



- 11		LEVIOIONS			
	00	11/22/99	CT SITING COUNCIL		
	01				
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GERMANTOWN DANBURY BAM PROJECT NO. 963120

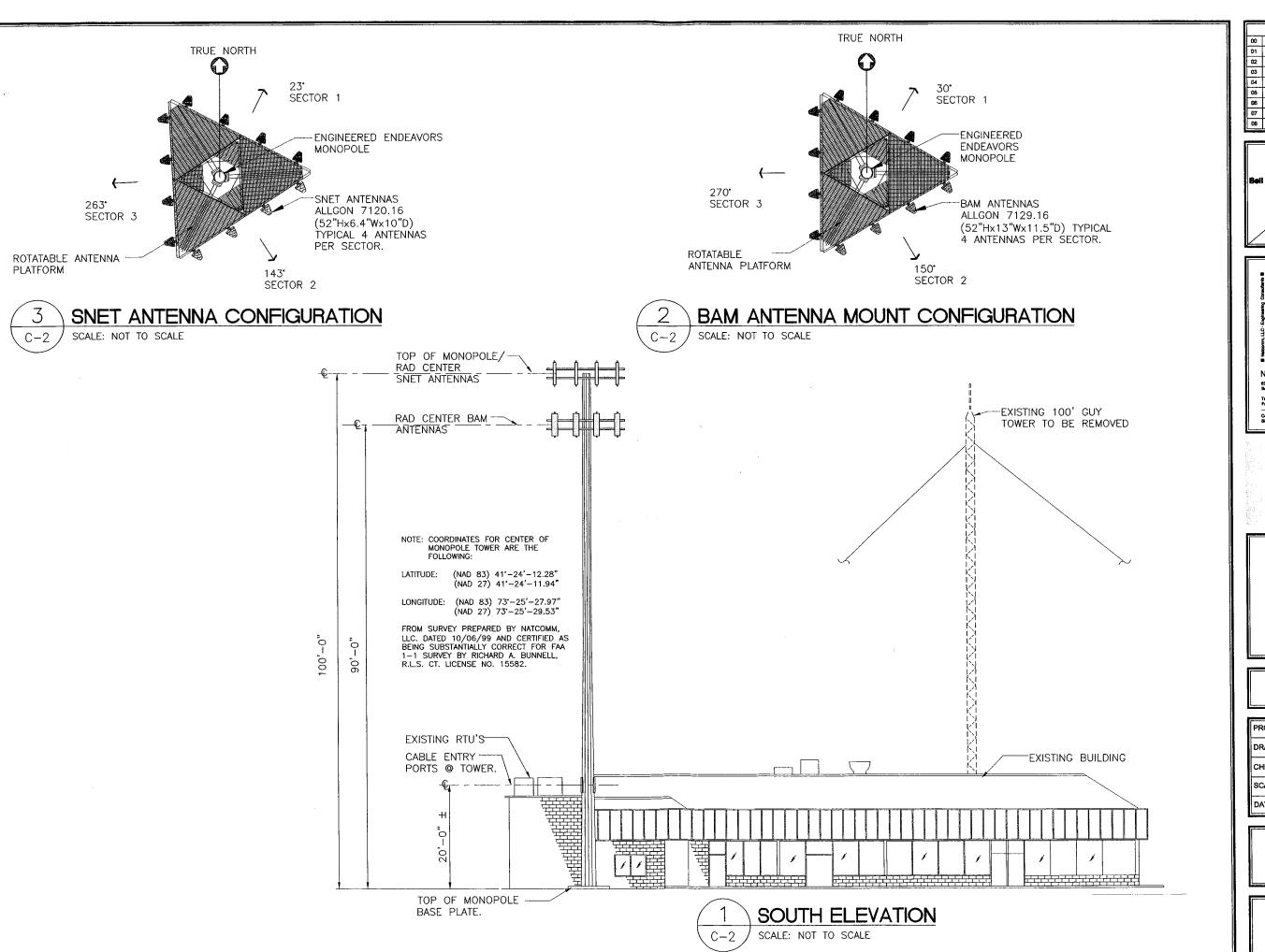
50 NEWTOWN ROAD DANBURY, CONNECTICUT



PROJECT NO:	995159
DRAWN BY:	стw
CHECKED BY:	CFC
SCALE:	AS NOTED
DATE:	4/23/99

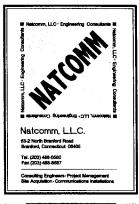
SITE PLAN





		REVISIONS				
		00	11/22/99	CT SITING COUNCIL		
		91				
		02				
		03				
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1	l	05				
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		08				
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GERMANTOWN DANBURY BAM PROJECT NO. 963120

50 NEWTOWN ROAD DANBURY, CONNECTICUT

PROJECT NO:	995159

DRAWN BY: CTW
CHECKED BY: CFC
SCALE: NOT TO SCALE
DATE: 4/23/99

BUILDING ELEVATION

C-2

