



STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

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

August 11, 1997

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

Re: Bell Atlantic NYNEX Mobile notice of intent to modify an existing telecommunications facility located at 232 South Main Street in East Windsor, Connecticut.

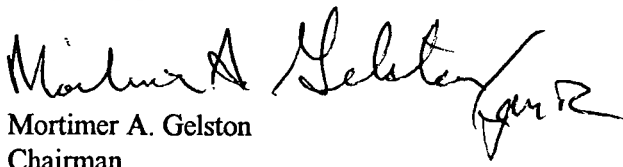
Dear Ms. Carter:

At a public meeting held on August 6, 1997, the Connecticut Siting Council (Council) ruled that the proposed use of this 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) would constitute a regulatory exemption.

The proposed modifications are to be implemented as specified in your notice dated July 11, 1997. 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 site that have received all municipal zoning approvals and building permits 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 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 facility 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 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 Science 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/RKE/ss

c: Honorable John E. Rajala, First Selectman, Town of East Windsor

Bell Atlantic NYNEX Mobile  
20 Alexander Drive  
P.O. Box 5029  
Wallingford, CT 06492  
Telephone: 203-269-8858

**RECEIVED**

JUL 11 1997

CONNECTICUT  
SITING COUNCIL

Mr. Joel M. Rinebold, Executive Director  
Connecticut Siting Council  
10 Franklin Square  
New Britain, Connecticut 06051

July 11, 1997

Re: Bell Atlantic NYNEX Mobile - East Windsor Cell Site

Dear Mr. Rinebold:

Cellco Partnership d/b/a Bell Atlantic NYNEX Mobile (the "Company") plans to install cellular antennas and related equipment at the existing tower facility owned by the Balch Bridge Street Corporation in East Windsor, 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 16-50j-72(c). In further compliance with R.C.S.A. Section 16-50j-73, a copy of this letter is being sent to the First Selectman of East Windsor.

The existing non-facility tower is a 192' lattice tower located at 232 South Main Street, East Windsor, Connecticut. The Company plans to install twelve panel-type cellular antennas and one G.P.S. antenna on the tower. The Company will also install a single story, approximately 12' x 30' equipment building which will contain radio transmission equipment.

Upon activation of this proposed facility, Bell Atlantic NYNEX Mobile will remove the four, 27 inch long panel-type antennas from the existing tower on the roof of the existing garage/warehouse at 250 Main Street, East Windsor, Connecticut. This installation was acknowledged by the Siting Council on June 20, 1995. Bell Atlantic NYNEX Mobile will also remove the radio equipment which has been housed in a 600 square foot portion of leased area within the garage/warehouse building.

The addition of Bell Atlantic NYNEX Mobile's 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 the attached site sketch). 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).

For the foregoing reasons, Bell Atlantic NYNEX Mobile seeks a ruling that its 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 Company further submits that the changes comply with R.C.S.A. Sections 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).

Very truly yours,

*Sandy M. Carter*

Sandy M. Carter, Manager  
Real Estate/Zoning

Attachments

cc: Honorable John E. Rajala, First Selectman, Town of East Windsor

Bell Atlantic NYNEX Mobile  
20 Alexander Drive  
P.O. Box 5029  
Wallingford, CT 06492  
Telephone: 203-269-8858

July 11, 1997

The Honorable John E. Rajala, First Selectman  
Town of East Windsor  
Town Hall  
11 Rye Street  
P. O. Box 213  
Broadbrook, Connecticut 06016

Dear First Selectman Rajala:

Bell Atlantic NYNEX Mobile (the "Company") plans to install antennas and associated equipment at the existing tower facility owned by the Balch Bridge Street Corporation and located at 232 South Main Street in East Windsor. As required by Section 16-50j-73 of the Regulations of Connecticut State Agencies (R.C.S.A.), please accept this letter and the attached letter to the Connecticut Siting Council dated July 11, 1997, as notice of intent of the placement of 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 Company's proposal. However, if you have any questions or require any further information on our plans or the Siting Council's procedures, please contact the undersigned at (203) 294-8519 or Mr. Joel Rinebold, Executive Director, Connecticut Siting Council at (860)827-2935.

Sincerely,

*Sandy M. Carter*

Sandy M. Carter, Manager  
Real Estate/Zoning

Enclosure

First, the height of the existing tower will be unaffected. Twelve antennas, Swedcom Model ALP 9212 will be mounted, four per sector on a triangular platform to be attached to the tower. The center of radiation will be 140' AGL. The G.P.S. antenna will be side mounted from the tower leg at approximately 80' AGL. The tower will not require any structural modification to support the proposed attachments.

Second, the proposed addition will not extend the site boundaries. The proposed equipment building will be located within the tower compound area on a parcel of land of approximately 800 s.f. which will be leased to Bell Atlantic NYNEX Mobile (see attached site plan).

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

Fourth, operation of the additional antennas will not increase the total radio frequency electromagnetic radiation power density, measured at the tower base, to a level at or above the ANSI standard. The following table summarizes the power densities at the site from the various sources on the tower (including those proposed herein) in relation to the standard.

<u>Frequency</u> (Mhz)	<u>Power Density</u> (mW/cm2)	<u>Standard Limits</u> (mW/cm2)	<u>% of Standard</u> %
(Nextel) 858.5+/-	0.0020	.572	0.35%
(Sprint) 1957.5+/-	0.0335	1.305	2.57%
(BANM) 875	0.0348	.583	5.98%
Total	N/A	N/A	8.90%

As the table demonstrates, Bell Atlantic NYNEX Mobile's proposed antennas would contribute 5.98% of the ANSI standard for the cellular frequency range, bringing the site total to 8.90% of the standard as calculated for a mixed frequency site.

Finally, the Company has received the necessary municipal approvals and permits for the project. Attached is a signed copy of the building permit to attach the antennas to the existing tower and install the equipment building.



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

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

July 23, 1997

Honorable John E. Rajala  
First Selectman  
Town of East Windsor  
Town Hall, 11 Rye Street  
P.O. Box 213  
Broad Brook, CT 06016

RE: Bell Atlantic NYNEX Mobile notice of intent to modify an existing telecommunications facility located at 232 South Main Street in East Windsor, Connecticut.

Dear Mr. Rajala:

On July 11, 1997, the Connecticut Siting Council (Council) received a request from Bell Atlantic NYNEX Mobile to modify an existing telecommunications facility located at 232 South Main Street in East Windsor, Connecticut, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting tentatively scheduled for Wednesday, August 6, 1997, at 2:00 p.m. in Hearing Room Two, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this modification of an existing facility.

Thank you for your cooperation and consideration.

Very truly yours,

A handwritten signature in black ink, appearing to read "Joel M. Rinebold".

Joel M. Rinebold  
Executive Director

JMR/ss

Enclosure: Notice of Intent

## ALP 9212-N

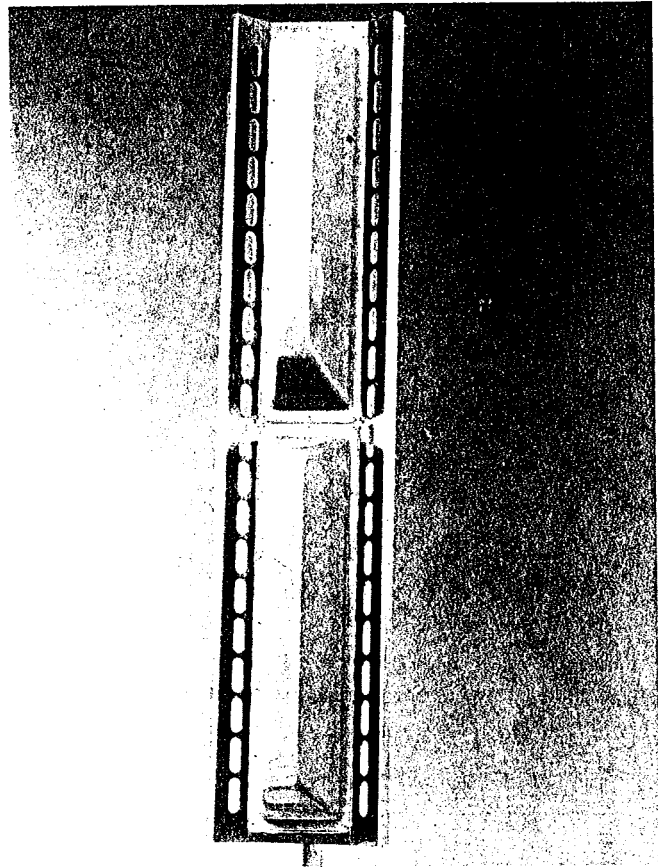
Log-Periodic Reflector Antenna

92 Degrees 12 dBd

### Features:

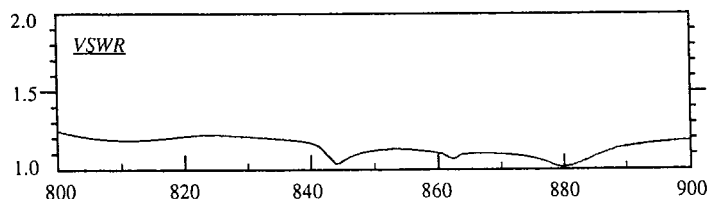
- Broadbanded. (800-900 MHz)
- Low backlobe radiation. Front-to-back ratio better than 28 dB
- Low Intermodulation Products.
- Low Wind-load.
- Low weight.
- Small size.
- Rugged design.

Please see the following pages including radiation patterns/tables for ALP 9212-N.



### Electrical Specifications:

Frequency range:	806-896 MHz
Impedance:	50 ohm
Connector:	N-female or 7/8" EIA
VSWR:	Typ. 1.3:1 max 1.5:1
Polarization:	Vertical
Gain:	12 dBd
Front to back ratio:	>28 dB
Side-lobe suppression:	>18 dB
Intermodulation: (2x25W):	IM3 >146 dB IM5 >153 dB IM7 & IM9 >163 dB
Power Rating:	500 W
H-Plane: -3 dB	95 °
E-Plane: -3 dB	15 °
Lightning Protection:	DC Grounded



### Mechanical Specifications:

Overall Height:	52 in	(1320 mm)
Width:	11.4 in	(290 mm)
Depth:	11.4 in	(290 mm)
Weight including brackets:	26.7 lbs	(12 Kg)
Rated wind velocity:	113 mph	(180 Km/h)
Wind Area (CxA/Front):	3.9 sq.ft	(0.36 sq.m)
Lateral thrust at rated wind		
<b>Worst case:</b>	570 N	

### Materials:

Radiating elements:	Aluminum
Element housing:	Grey PVC
Back-plate:	Aluminum

Mounting hardware  
clamps:  
bolts:

Hot dip galvanized steel  
Stainless steel

Manufactured by: Allgon System AB

TOWN OF EAST WINDSOR, CT

No. 009717

Date: 05/20/97

Date Issued: 5/15/97

BUILDING PERMIT  
Est. Cost: \$ 50,000  
Fee: \$ 500.00

OWNER

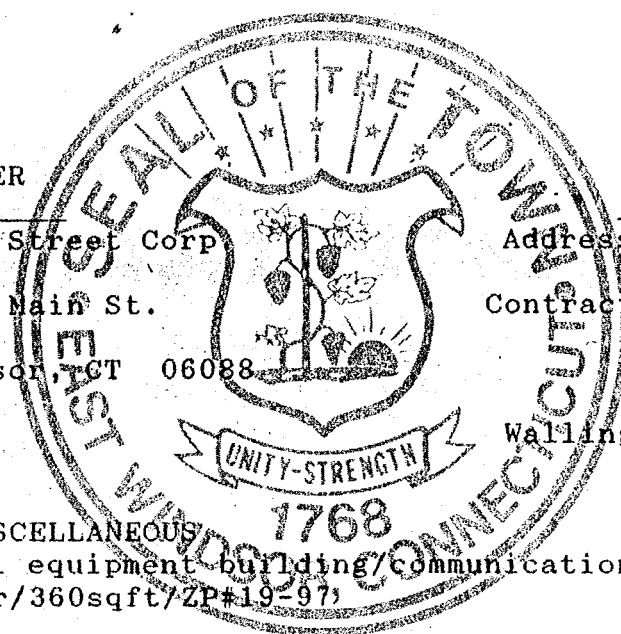
Name: Balch Bridge Street Corp

Address: 250 South Main St.  
East Windsor, CT 06088

LOCATION

Address: 232 SW SOUTH MAIN ST.

Contractor: BELL ATLANTIC Nynex Mo  
20 Alexander Drive  
Wallingford, CT 06492



ADD MISCELLANEOUS  
Install equipment building/communication  
shelter/360sqft/ZP#19-97

All work to be done in accordance with the application  
and plans approved by the building department.

*Michael T. Agnew*

Building Official



Zoning Permit #14-97

BUILDING PERMIT APPLICATION  
(THIS IS NOT A PERMIT)

# EAST WINDSOR

BUILDING DEPARTMENT

PHONE: 623-2439



PRESS HARD! PLEASE PRINT OR TYPE  
OWNER OF RECORD

AUTHORIZED AGENT REGISTRATION NO. 0000567

Balch Bridge Street Corporation (Last) (M.I.)

Bell Atlantic NYNEX mobile (Last) (First) (M.I.)

250 South Main Street (No.) (Street) (State) (ZIP)

De Alexander Dave (No.) (Street) (State) (ZIP)

East Windsor Ct 06088-0678 (Town) (State) (ZIP)

William Ford of OH 492 (Town) (State) (ZIP)

860 623-2466 (Phone) (State) (ZIP)

De 3. 269. 8578 (Phone) (State) (ZIP)

PERMIT TO Equipment Bulky (Type of Improvement) (1) STORY COMMUNICATIONS Shelter (Proposed Use) NUMBER OF DWELLING UNITS Unmanned (Phone)

AT (LOCATION) 232 South Main Street (No.) (Street) ZONING DISTRICT B2

BETWEEN Abbe Road (Cross Street) AND Scantic Road (Cross Street)

SUBDIVISION \_\_\_\_\_ BLOCK \_\_\_\_\_ LOT \_\_\_\_\_ LOT SIZE \_\_\_\_\_

BUILDING TO BE \_\_\_\_\_ FT. WIDE BY \_\_\_\_\_ FT. LONG BY \_\_\_\_\_ FT. IN HEIGHT AND SHALL CONFORM IN CONSTRUCTION

TO TYPE \_\_\_\_\_ USE GROUP \_\_\_\_\_ BASEMENT WALLS OR FOUNDATION \_\_\_\_\_ (Type)

REMARKS: \_\_\_\_\_

READ BEFORE SIGNING:

- I. I accept full responsibility for notifying the building official when the work is ready for inspection at the various stages of construction as indicated on the Job Card; and
- II. I accept full responsibility for all costs involved in having the work uncovered if any work is concealed without first giving the building official at least 24 hours to respond to a properly executed request for an inspection; and
- III. I understand that a permit grants no expressed or implied permission to violate any code, regulation, ordinance or statute regardless of what may or may not be shown on the approved plans, and regardless of any agreement with any official; and
- IV. I have read and understand all the above statements and hereby certify that I am the legal owner of the property to which this application applies or the authorized agent of the owner and have the owner's permission to perform the work.

"EVERY JOB IS A SELF-PORTRAIT OF THE PERSON WHO DID IT" \$ \_\_\_\_\_ (Signature) James A. Balch, Pres. \_\_\_\_\_ 05-05-97 (Date)

THIS SIDE COMPLETED BY BUILDING OFFICIAL

(No.) \_\_\_\_\_ (Street) \_\_\_\_\_

PERMIT NO. \_\_\_\_\_

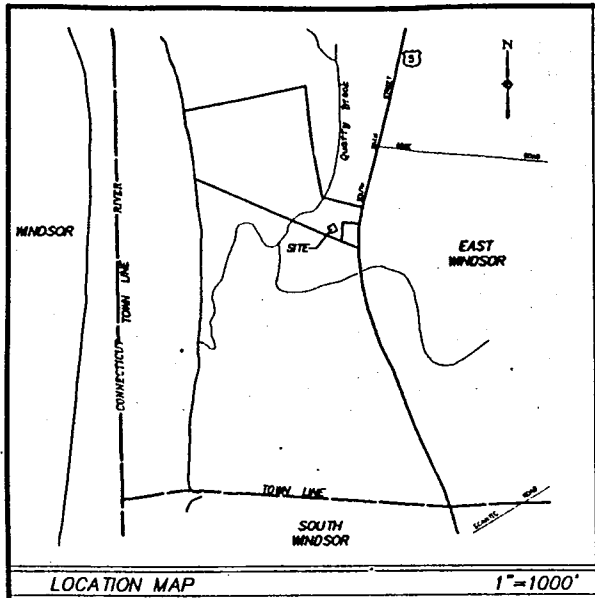
### TYPE OF PERMIT

- FOUNDATION
- STRUCTURE
- POOL
- CHIMNEY
- SOLAR
- FENCE
- DEMOLITION
- TEMP. TRAILER
- HABITABILITY
- OTHER

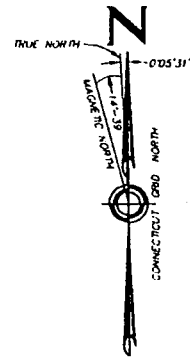
### APPROVALS

- PLLOT PLAN
- BLUEPRINTS
- ZONING
- WPCA/NCHD
- WETLANDS
- Z. B. A.
- D. O. T.
- TOWN ENG.
- FIRE MARSHALS

\$ 10000



A. FISHER



EXISTING TOWER LOCATION  
LATITUDE - 41°-52'-37.79"  
LONGITUDE - 72°-36'-38.81"  
NAD 83  
ELEVATION 57  
NGVD 29

PROPOSED LEASED LAND

N.T.  
All American Products Corporation

Other Land of Balch Bridge Street Corporation

Land of Balch Bridge Street Corporation

Other Land of Balch Bridge Street Corporation

SOUTH MAIN STREET - U.S. ROUTE 5

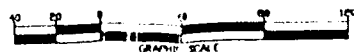
PROPOSED 15' ALTERNATE RIGHT OF WAY

PROPOSED 15' ACCESS & UTILITY EASEMENT

NOTES

- THIS MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 30-300b-1 THRU 30-300b-20. THIS IS A COMPILATION PLAN PREPARED TO CLASS D STANDARDS. THIS PLAN WAS COMPILED FROM OTHER MAPS, RECORD RESEARCH OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSIDERED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY, AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE.
- LOCATIONS REFER TO THE CONNECTICUT COORDINATE SYSTEM BASED UPON CGS MONUMENTS 5811 & 5812 HOLDING THE PUBLISHED COORDINATE VALUES.  
CGS 5811 N 380,894.04 E 841,800.30 CGS 5812 N 381,031.72 E 842,830.63
- ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 BASED UPON CGS MONUMENT 2008 HOLDING THE PUBLISHED ELEVATION OF 80.735.
- REFERENCE IS MADE TO THE FOLLOWING MAPS:  
A. "CONNECTICUT STATE HIGHWAY DEPARTMENT, RIGHT OF WAY MAP, TOWN OF EAST WINDSOR, HARTFORD BRIDGE RD ROAD EAST SIDE FROM THE SOUTH WINDSOR TOWN LINE NORTHERLY ABOUT 6100.0 FEET, ROUTE U.S. 5, SCALE 1"=40', DATED APRIL 30, 1930, NUMBER 246, SHEET 2 OF 3.  
B. "LET LINES, INC., B. COMFIELD, CONN., MAP SHOWING PROPOSED 10' EASEMENT TO BE ACQUIRED FROM ANTHONIA & JOSEPH A. MORGAN, EAST WINDSOR, CONN.", BY WILLIAM PALMISTO, SCALE 1"=40', DATED APRIL 1972.  
C. "BOUNDARY SURVEY, ESTATE OF JOSEPH A. MORGAN AND IN TRUST FOR ANTHONIA MORGAN, ROUTE U.S. 5, EAST WINDSOR, CONNECTICUT", BY CLIFFORD A. WASHBURN, JR., SCALE 1"=100', DATED MAY 1972.  
D. "TOPOGRAPHIC PLAN, BALCH BRIDGE STREET CORPORATION SOUTH MAIN STREET - U.S. ROUTE 5, EAST WINDSOR, CONNECTICUT", BY JOSEPH R. RUSSO, SCALE 1"=40', DATED 9-4-84, REVISED TO 9-21-86, SHEET 3 OF 4.  
E. "EASEMENT LOCATION MAP, BALCH BRIDGE STREET CORPORATION, 232 SOUTH MAIN STREET - U.S. ROUTE 5, EAST WINDSOR, CONNECTICUT", BY JOSEPH R. RUSSO, SCALE 1"=40', DATED 10-23-86, REVISED 1-28-87.
- THE PROPERTY IS SUBJECT TO AN EASEMENT TO DISCHARGE WATER IN FAVOR OF THE STATE OF CONNECTICUT AS DESCRIBED IN WILLIAM 58 PAGE 8 OF THE EAST WINDSOR LAND RECORDS.
- THE PROPERTY IS SUBJECT TO A PIPELINE EASEMENT IN FAVOR OF JET LINES, INC. AS DESCRIBED IN VOLUME 109, PAGE 383 OF THE EAST WINDSOR LAND RECORDS.
- REFERENCE IS MADE TO THE ZONING COMPARISON LETTER #107 OF APPROVAL REQUIRED IN VOLUME 108, PAGE 108 AND 109 AND 110, PAGE 108, BOTH OF THE EAST WINDSOR LAND RECORDS.

COMPILATION PLAN  
PROPOSED LEASED LAND  
LAND OF  
**BALCH BRIDGE STREET CORPORATION**  
SOUTH MAIN STREET - CONN. ROUTE 5  
EAST WINDSOR, CONNECTICUT  
PREPARED FOR  
**BELL ATLANTIC NYNEX MOBILE**



		Surveying and Mapping by <b>URS Greiner</b> URS Greiner, Inc. A-E-B 300 Enterprise Drive, P.O. Box 4002 Rocky Hill, Connecticut 06067-4002 Tel: (860) 329-8882	
Scale: 1" = 40'	Date: FEBRUARY 1997	Sheet: 8	Project: 8
Drawn by: J. Russo	Checked by: J. Russo	3519	1-30-1997
Computed by: J. Russo	Drawn by: J. Russo	Checked by: J. Russo	Plot Date: 8-15-96