



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@po.state.ct.us

Web Site: www.state.ct.us/csc/index.htm

April 27, 2001

Kenneth C. Baldwin
Robinson & Cole
280 Trumbull Street
Hartford, CT 06103-3597

RE: **TS-VER-089-010418** - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at an existing telecommunications facility located at 167 Lester Street, New Britain.

Dear Attorney Baldwin:

At a public meeting held April 26, 2001, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Any additional change to this facility may require an explicit request to this agency pursuant to General Statutes § 16-50aa or notice pursuant to Regulations of Connecticut State Agencies Section 16-50j-73, as applicable. Such request or notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 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.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction.

The proposed shared use is to be implemented as specified in your letter dated April 18, 2001.

Thank you for your attention and cooperation.

Very truly yours,



Mortimer A. Gelston
Chairman

MAG/RKE/laf

c: Honorable Lucian J. Pawlak, Mayor, City of New Britain
Planning and Zoning Department, City of New Britain
Robert Stanford, Crown Atlantic Company LLC

ROBINSON & COLE LLP

HARTFORD • STAMFORD • GREENWICH • NEW YORK • BOSTON

LAW OFFICES
www.rc.com

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Fax 860-275-8299

Kenneth C. Baldwin
860-275-8345
kbaldwin@rc.com

April 18, 2001

Via Hand Delivery

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

Re: **Request of Cellco Partnership d/b/a Verizon Wireless for an Order to Approve the Shared Use of a Tower Facility at 167 Lester Street, New Britain, Connecticut**

Dear Mr. Rinebold:

Pursuant to Connecticut General Statutes §16-50aa, as amended, Cellco Partnership d/b/a Verizon Wireless ("Cellco") hereby requests an order from the Connecticut Siting Council ("Council") to approve the proposed shared use by Cellco of an existing tower located at 167 Lester Street in New Britain, Connecticut. Cellco requests that the Council find that the proposed shared use of the tower satisfies the criteria stated in Connecticut General Statutes § 16-50aa and issue an order approving the proposed use.

Background

In November of 2000, Crown Atlantic Company LLC applied for and subsequently received a building permit for the construction of a telecommunications tower at 167 Lester Street in New Britain. The Lester Street site lies within the Town's I-2 Industrial zone. Telecommunications towers are permitted "as of right" in the I-2 zone district.

As the Council is aware from discussions in previous dockets, Crown and Verizon Wireless have entered into a build-to-suit (BTS) agreement which requires Crown to pursue tower leases and regulatory approvals for sites within search areas issued by Verizon Wireless. Tower proposals which emanate from the BTS agreement have been, and will continue to be presented to the Siting Council for approval.

ROBINSON & COLE LLP

Joel M. Rinebold

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The Lester Street tower however, was not the result of the BTS agreement. This tower was built as one of Crown's so-called "Greenfield" projects, proposed and built on speculation much like towers being built statewide by companies such as SBA Inc. and American Tower. It was not until after the tower was approved by the City building official that Verizon Wireless expressed an interest in the New Britain site. For the Council's information, Crown has also recently been notified by AT&T Wireless that they are interested in sharing this tower. The AT&T request will be the subject of a future tower share request.

As the Council is aware, Cellco is licensed by the Federal Communications Commission (FCC) to provide cellular wireless telephone service in the State of Connecticut, which includes the area to be served by Cellco's proposed New Britain installation. Cellco and Crown have agreed to the proposed shared use of this tower pursuant to mutually acceptable terms and conditions, and Crown has authorized Cellco to act on its behalf to apply for all necessary local, state and federal permits, approvals, and authorizations which may be required for the proposed shared use of this facility.

Cellco proposes to install twelve (12) panel-type antennas at the 145-foot level on the tower. The radio transmission equipment associated with these antennas would be located in a new 12-foot by 30-foot equipment building which would be located near the base of the tower. (See attached Project Plans).

C.G.S. § 16-50aa(c)(1) provides that, upon written request for approval of a proposed shared use, "if the council finds that the proposed shared use of the facility is technically, legally, environmentally and economically feasible and meets public safety concerns, the council shall issue an order approving such shared use." The shared use of the tower satisfies those criteria as follows:

A. Technical Feasibility. The existing tower is structurally capable of supporting the proposed Cellco antennas. The Lester Street tower was designed to accommodate a minimum of four antenna platforms, with twelve (12) antennas mounted on each platform. The proposed shared use of this tower therefore is technically feasible.

B. Legal Feasibility. Under C.G.S. § 16-50aa, the Council has been authorized to issue orders approving the proposed shared use of an existing tower facility such as the Lester Street facility in New Britain. This authority complements the Council's prior-existing authority under C.G.S. § 16-50p to issue orders approving the construction of new towers that are subject to the Council's jurisdiction. In addition, § 16-50aa directs the Council to "give such consideration to other state laws and municipal regulations as it shall deem appropriate" in ruling on requests for the shared use of existing towers facilities. Under the statutory authority vested

Joel M. Rinebold

April 18, 2001

Page 3

in the Council, an order by the Council approving the requested shared use would permit the Applicant to obtain a building permit for the proposed installations.

C. Environmental Feasibility. The proposed shared use would have a minimal environmental effect, for the following reasons:

1. The proposed installations would have an insignificant incremental visual impact, and would not cause any significant change or alteration in the physical or environmental characteristics of the existing site. In particular, the proposed installations would not increase the height of the existing tower, and would not extend the boundaries of the tower site outside the limits of the existing site compound.
2. The proposed installations would not increase the noise levels at the existing facility by six decibels or more.
3. Operation of antennas at this site would not exceed the total radio frequency (RF) electromagnetic radiation power density level adopted by the Federal Communications Commission. The "worst-case" exposure calculated for operation of this facility (i.e., calculated at the facility boundary, which represents the closest publicly accessible point within the broadcast field of the antennas), would be 0.0325 mW/cm^2 (5.57% of the standard) for Cellco antennas.
4. The proposed installation, would not require any water or sanitary facilities, or generate air emissions or discharges to water or sanitary facilities, or generate air emissions or discharges to water bodies. After construction is complete the proposed installations would not generate any traffic other than periodic maintenance visits.

The proposed use of this facility would therefore have a minimal environmental effect, and is environmentally feasible.

E. Economic Feasibility. As previously mentioned, Crown and Cellco have entered into a mutual agreement to share the use of the tower on terms agreeable to the parties. The proposed tower sharing is therefore economically feasible.

F. Public Safety Concerns. As stated above, the proposed tower will be structurally capable of supporting the Cellco antennas. Cellco is not aware of any public safety concerns relative to the proposed sharing of the existing tower. In fact, the provision of new or improved

Joel M. Rinebold
April 18, 2001
Page 4

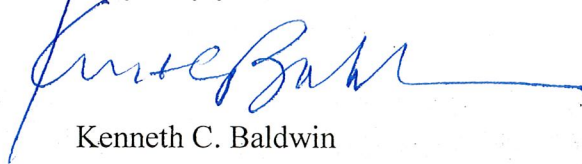
phone service through shared use of the existing tower is expected to enhance the safety and welfare of area residents.

Conclusion

For the reasons discussed above, the proposed shared use of the existing tower off Lester Street in New Britain, Connecticut satisfies the criteria stated in C.G.S. § 16-50aa and advances the General Assembly's and the Siting Council's goal of preventing the proliferation of towers in Connecticut. The Applicant therefore requests that the Siting Council issue an order approving the proposed shared use.

Thank you for your consideration of this matter.

Very truly yours,



Kenneth C. Baldwin

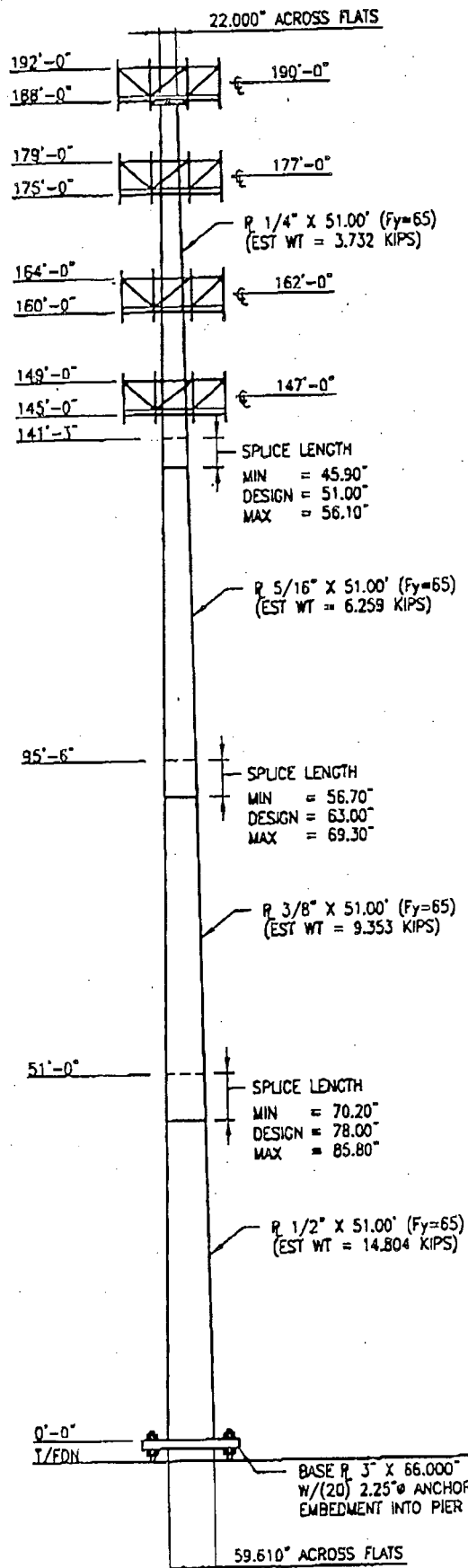
KCB/kmd
Attachments

SUMMIT MANUFACTURING, LLC

225 KIWANIS BOULEVARD, WEST HAZLETON, PA 18201
 PHONE: (888) 847-6537 E-MAIL: SUMMITCA@EPIX.NET
 FAX: (888) 460-6885 WWW.SUMMITMFGLLD.COM



PAUL J. FORD AND COMPANY
STRUCTURAL ENGINEERS
 250 East Broad Street, Suite 500, Columbus, Ohio 43215
 (614) 221-6679 Fax: (614) 221-0166 www.PJFweb.com



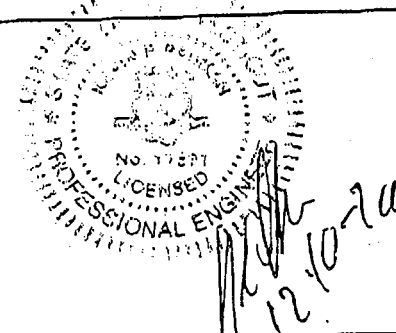
JOB DATA			
Page 1 of 3	Job No.	29200-1787	
By MFP / KJS	Design No.	SUMMIT JOB #12481	
Chk'd By	Date	12-11-2000	
	Rev. No.	Rev. Date	
Pole	190-FT EXPRESS POLE		
Site	NEW BRITAIN III., HARTFORD CO., CT		
Owner	CROWN CASTLE		
Ref. No.			
Design	85 MPH / 74 MH + 1/2" ICE ACCORDING TO TIA/EIA-222-F 1996		

LOAD CASES			
CASE 1	85 MPH WITH NO ICE	DESIGN WIND	
CASE 2	74 MPH WITH 1/2" RADIAL ICE	REDUCED WIND WITH ICE	
CASE 3	50 MPH WITH NO ICE	OPERATIONAL WIND	

POLE SPECIFICATIONS	
Pole Shape Type:	18-SIDED POLYGON
Taper:	0.210027 IN/FT
Shaft Steel:	ASTM A607 GRADE 65
Base PL Steel:	ASTM A572 GRADE 50 (50 KSI)
Anchor Bolts:	2 1/4" Ø x 8'-0" LONG #18J ASTM A615 GRADE 75

ANTENNA LIST		
No.	Elev.	Description
-	TOP	5/8" LIGHTNING ROD
1-12	TOP	(12) 1-FT X 5-FT X 3-IN PANEL ANTENNA
-	TOP	14" PLATFORM
13-24	177.00	(12) 1-FT X 5-FT X 3-IN PANEL ANTENNA
-	177.00	14" PLATFORM
25-36	162.00	(12) 1-FT X 5-FT X 3-IN PANEL ANTENNA
-	162.00	14" PLATFORM
37-48	147.00	(12) 1-FT X 5-FT X 3-IN PANEL ANTENNA
-	147.00	14" PLATFORM

STEP BOLTS FULL HEIGHT.
 ANTENNA FEED LINES RUN INSIDE OF POLE.



Elevation	85 MPH WIND		50 MPH WIND	
	Lateral Deflection (Inches)	Rotation (sway) (degrees)	Lateral Deflection (Inches)	Rotation (sway) (degrees)
TOP	158.6	7.772	54.7	2.689

SHAFT SECTION DATA					
Shaft Section	Section Length (feet)	Plate Thickness (in.)	Lap Splice (in.)	Diameter Across Flats (inches)	
				Top	Bottom
1	51.00	0.2500	51.00	22.000	32.711
2	51.00	0.3125	63.00	31.319	42.030
3	51.00	0.3750	78.00	40.302	51.014
4	51.00	0.5000		48.899	59.610

NOTE: DIMENSIONS SHOWN DO NOT INCLUDE GALVANIZING TOLERANCES

FOUNDATION DESIGN BASE REACTIONS

MOMENT = 4650 ft-kips
 SHEAR = 34.5 kips
 AXIAL = 44.0 kips

MANUFACTURING LLC.

5 BOULEVARD,
88) 847-6537
3) 460-6885

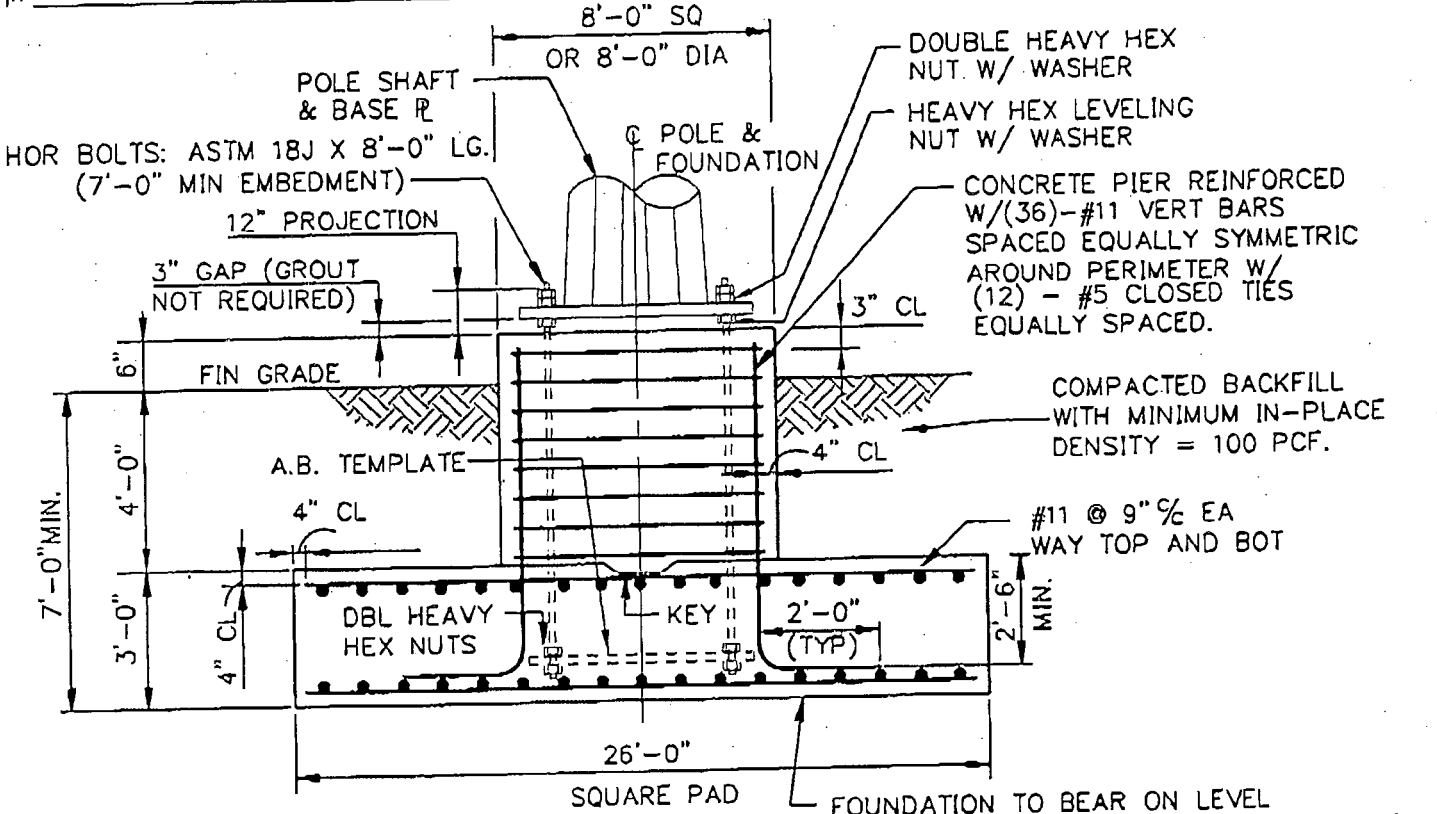
WEST HAZLETON, PA 18201
E MAIL: SUMMITCA@EPIX.NET
WWW.SUMMITMFLLC.COM



PAUL J. FORD AND COMPANY
STRUCTURAL ENGINEERS
250 East Broad Street, Suite 500, Columbus, Ohio 43215
(614)-221-6679 FAX (614)-221-0166

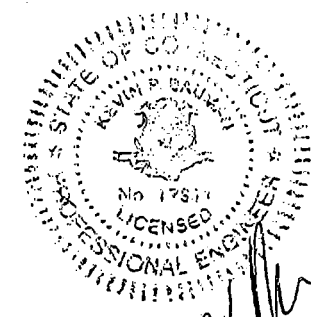
190' EXPRESS POLE
HARTFORD CO., CT
NEW BRITIAN III.
CROWN CASTLE
80 MPH / 69 MPH + 1/2" RADIAL ICE

Page 3 Of 3
By MFP / KJS Date 12-11-2000
Summit Job No. 12481 Job No. 29200-1787
Revision No. _____ Date _____
According to TIA/EIA-222-F 1996



PAD & PIER FOUNDATION

- NOTES:**
- ALL STRUCTURAL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF AT LEAST 3000 PSI AT 28 DAYS.
 - REINFORCING STEEL SHALL CONFORM TO ASTM A615 (GRADE 60) EXCEPT PIER TIES MAY BE ASTM A615 GRADE 40).
 - SEE PAGE 1 FOR ANCHOR BOLT QUANTITY, SIZE, LENGTH AND BOLT CIRCLE.
 - TOTAL CONCRETE = 86 CUBIC YARDS.
 - FOUNDATION DESIGN BASED UPON GEOTECHNICAL EXPLORATION REPORT
PREPARED BY: CLOUGH, HARBOUR & ASSOCIATES, LLP.
REPORT NO.: 8961.07.46
DATED: 10-26-2000
 - CONTRACTOR SHALL CONSULT GEOTECHNICAL ENGINEER AS NECESSARY PRIOR TO CONSTRUCTION.
 - MONOPOLE WAS DESIGNED USING THE FOLLOWING SERVICE LOADS:
MOMENT = 4650 FT-K, AXIAL = 44.0 K, AND SHEAR = 34.5 K.



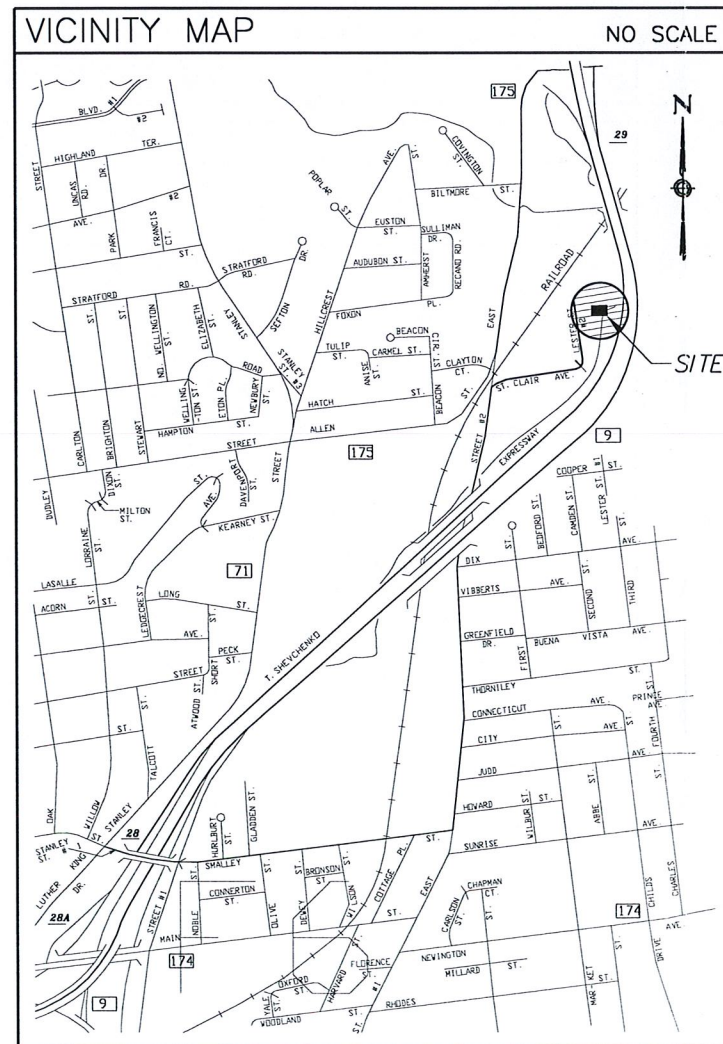
Kevin P. Baldwin
12-10-20



NEW BRITAIN 3

LESTER STREET

NEW BRITAIN, CONNECTICUT

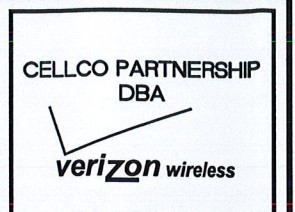


PROJECT SUMMARY	
SITE NAME:	NEW BRITAIN 3
SITE ADDRESS:	LESTER STREET NEW BRITAIN, CONNECTICUT
CONTACT PERSON:	MARK GAUCER (203) 494-0023
GOVERNING CODE:	CONNECTICUT STATE BUILDING AND LIFE SAFETY CODE
APPLICANT:	VERIZON WIRELESS 20 ALEXANDER DRIVE WALLINGFORD, CT. 06492
ARCHITECT:	URS CORPORATION A.E.S. 500 ENTERPRISE DRIVE ROCKY HILL, CT 06067
M/E/P ENGINEER:	URS CORPORATION A.E.S. 500 ENTERPRISE DRIVE ROCKY HILL, CT 06067
SURVEYOR:	URS CORPORATION A.E.S. 500 ENTERPRISE DRIVE ROCKY HILL, CT 06067

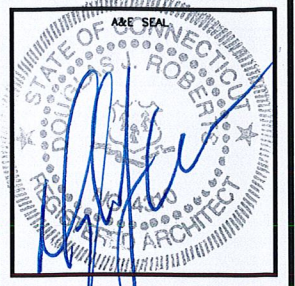
LEGEND	
SYMBOL	DESCRIPTION
	SECTION OR DETAIL NUMBER SHEET WHERE DETAIL/SECTION OCCURS
	ELEVATION NUMBER SHEET WHERE ELEVATION OCCURS

ABBREVIATIONS	
MIN.	MINIMUM
V.I.F.	VERIFY IN FIELD
O.C.	ON CENTER
PSF	POUND/SQUARE FOOT
TYP.	TYPICAL
:OC	TOP OF CONCRETE
TOW	TOP OF WALL

SHEET INDEX	
Sht. NO.	DESCRIPTION
T-1	TITLE SHEET - GENERAL NOTES AND LEGENDS
SC-1	SITE PLAN, TOWER ELEVATION AND LEGEND



A&E FIRM
URS CORPORATION A.E.S.
 500 ENTERPRISE DRIVE
 ROCKY HILL, CONNECTICUT
 1-(860)-529-8882



PROJECT NO: F301825.40/F03

DRAWN BY: KJB

CHECKED BY:

ISSUED FOR	
04-06-01	REVIEW
04-12-01	FINAL

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO VERIZON WIRELESS IS STRICTLY PROHIBITED.

NEW BRITAIN 3
 LESTER STREET
 NEW BRITAIN, CONNECTICUT

SCALE: NONE

DATE: 04-06-01

DRAWING 1 OF 2

TITLE SHEET-
 GENERAL NOTES
 AND LEGENDS

T-1

LEGEND

DESCRIPTIONS

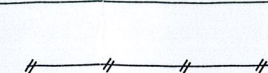
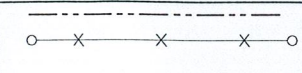
LEASE/PROPERTY LINE

CHAIN LINK FENCE

SEDIMENTATION CONTROL FENCE

EXISTING

PROPOSED



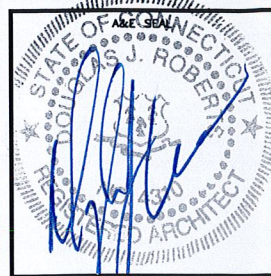
CELLCO PARTNERSHIP
DBA



A&E FIRM

URS CORPORATION AES

500 ENTERPRISE DRIVE
ROCKY HILL, CONNECTICUT
1-(860)-520-8882



PROJECT NO: F301825.40/F03

DRAWN BY: KJB

CHECKED BY:

ISSUED FOR

04-06-01	REVIEW
04-12-01	FINAL

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NEW BRITAIN 3

LESTER STREET
NEW BRITAIN, CONNECTICUT

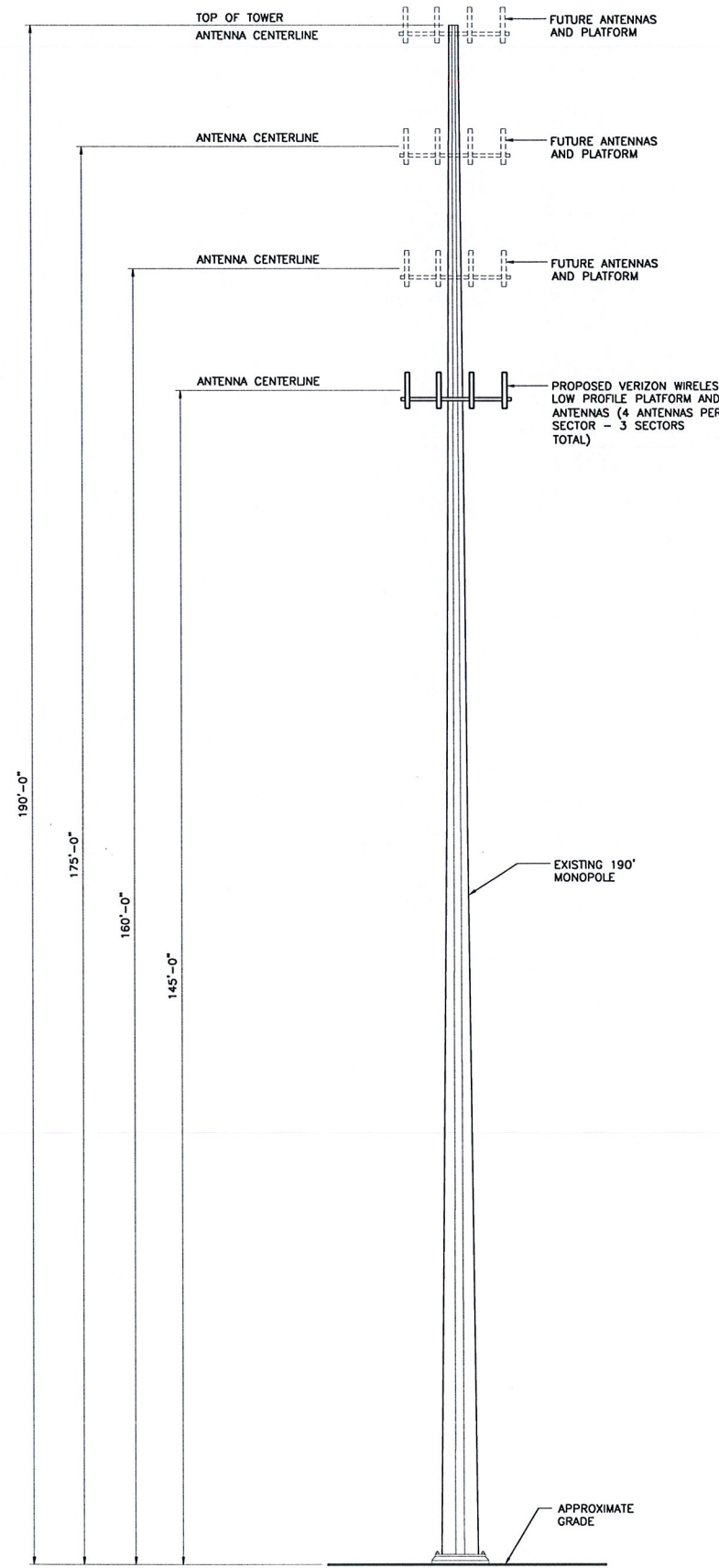
SCALE: AS NOTED

DATE: 04-06-01

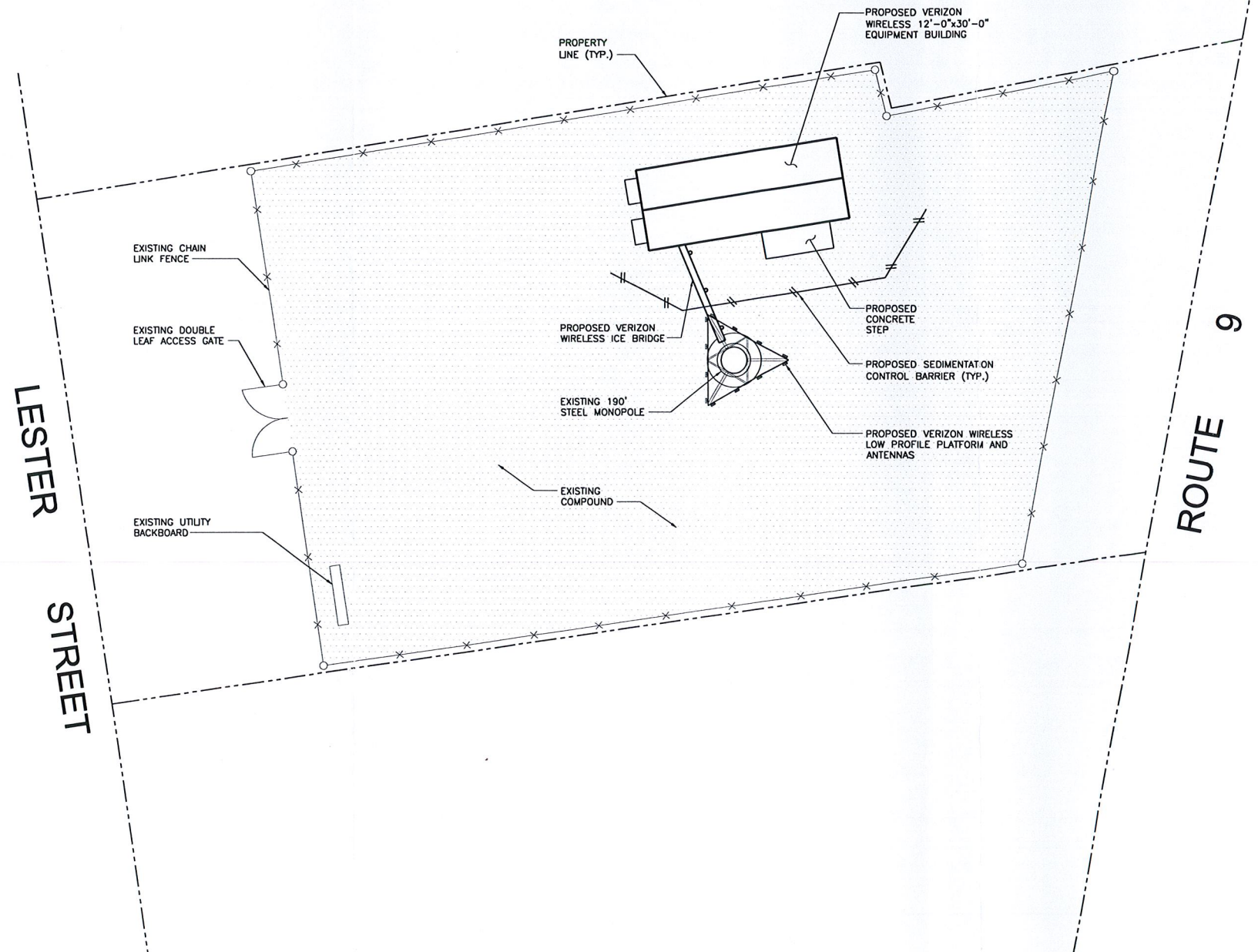
DRAWING 2 OF 2

**SITE PLAN,
TOWER ELEVATION
AND LEGEND**

SC-1



2 TOWER ELEVATION
SCALE: 1" = 10'-0"
SC-1



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

LATITUDE: 41°-41'-11.08" (NAD 83)
LONGITUDE: 72°-45'-27.08" (NAD 83)

LESTER STREET

ROUTE 9