



# 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](mailto:siting.council@po.state.ct.us)

Web Site: [www.state.ct.us/csc/index.htm](http://www.state.ct.us/csc/index.htm)

March 7, 2001

Julie M. Donaldson, Esq.  
Hurwitz & Sagarin LLC  
147 North Broad Street  
P.O. Box 112  
Milford, CT 06460-0112

RE: **EM-SPRINT-155-010214** - Sprint Spectrum L.P. (Sprint PCS) notice of intent to modify an existing telecommunications facility located at New Park Avenue, West Hartford, Connecticut. (Docket No. 131)

Dear Attorney Donaldson:

At a public meeting held on March 1, 2001, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated February 14, 2001. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site 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 frequencies 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 decision is under the exclusive jurisdiction of the Council. 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 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.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston  
Chairman

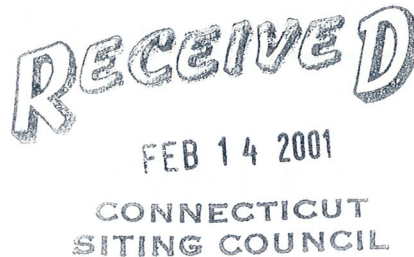
MAG/RKE/laf

c: Honorable Robert R. Bouvier, Mayor, Town of West Hartford  
Mr. Barry M. Feldman, Town Manager, Town of West Hartford  
Mr. Donald Foster, Town Planner, Town of West Hartford  
Sandy M. Carter, Verizon Wireless  
Christine Belvin, LCC International, Inc.

# HURWITZ & SAGARIN LLC

February 14, 2001

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



**Re: Notice of Intent to Modify an Existing Telecommunications Facility  
West Hartford, Connecticut (Docket No. 131)**

Dear Mr. Rinebold:

Sprint Spectrum L.P. ("Sprint") hereby requests acknowledgement that its addition of a backup power cabinet and associated four (4) foot by four (4) foot concrete pad to its existing equipment layout at the communications facility located at New Park Avenue, West Hartford, Connecticut ("West Hartford Facility") constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). The West Hartford Facility is owned by Crown Castle International. In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to the Mayor of West Hartford.

Sprint plans to add a single backup power cabinet on a four (4) foot by four (4) foot concrete pad adjacent to its existing equipment bank within the existing site compound. For the following reasons, the proposed modifications to the West Hartford Facility fall squarely within and satisfy the requirements set forth in R.C.S.A. § 16-50j-72(b)(2):

1. There are no proposed changes to the tower height
2. The installation of Sprint equipment near the base of the tower will not require an extension of the site boundaries as evidenced by the attached site plan. The proposed additional backup power cabinet and concrete pad extension will be located entirely within the existing site.
3. The proposed modifications will not increase the noise levels at the existing facility by six decibels or more.
4. There are no additional antennas proposed and therefore the total radio frequency (RF) power density will not be increased

For the foregoing reasons, Sprint respectfully submits that the proposed addition of a backup power cabinet and associated four (4) foot by four (4) foot concrete pad at the West Hartford Facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Very truly yours,



Julie M. Donaldson

cc: Robert Bouvier, Mayor  
Tara Rand, Crown Castle International  
Marc Anderson



**STRUCTURAL NOTES**

ALL WORK SHALL COMPLY WITH THE 1999 CONNECTICUT STATE BUILDING CODE.

ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND AWS D1.1 WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION", 9TH EDITION. AT THE COMPLETION OF ALL WELDING, ALL DAMAGE TO GALVANIZED COATING SHALL BE REPAIRED.

DESIGN BASIS	1999 CONNECTICUT STATE BUILDING CODE
DESIGN LIVE LOADS:	
SNOW LOAD:	
GROUND SNOW LOAD (Pg)	30 PSF
IMPORTANCE FACTOR (I)	1.2
EXPOSURE FACTOR (Ce)	.7
WIND LOAD:	
BASIC WIND LOAD	80 MPH
BASIC VELOCITY PRESSURE (Pv)	16.4 PSF
EXPOSURE GROUP	B
IMPORTANCE FACTOR category III (1)	1.17

EQUIPMENT LOAD:	2880 LB
SEISMIC DESIGN PARAMETERS:	
HAZARD EXPOSURE GROUP	GROUP III
PERFORMANCE CATEGORY	GROUP C
PEAK VELOCITY (Av)	.11
PEAK ACCELERATION (Aa)	.15
SEISMIC SOIL COEFFICIENT	2 FOR UNKNOWN SOIL PROFILE
STRUCTURAL STEEL, PLATES, ANGLES	ASTM A572 GRADE 50
PIPE COLUMNS	ASTM A53 GRADE B
TUBE COLUMNS	F=48.KS
BOLTS	ASTM A500
WELDING ELECTRODE	ASTM A325-N
	ASTM E 70

SHOP AND ERECTION DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL STEEL WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. SUBMIT 6 SETS OF PRINTS TO THE ARCHITECT FOR REVIEW.

STRUCTURAL STEEL SHALL CONFORM TO THE CURRENT "AISC SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", AND THE "AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".

ALL WELDING SHALL BE DONE BY A CERTIFIED WELDER IN ACCORDANCE WITH A.W.S. STANDARDS.

CONNECTIONS SHALL CONFORM TO ALL REQUIREMENTS OF THE "AISC SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", LATEST EDITION, AND THE "SPECIFICATION FOR STRUCTURAL STEEL JOINTS USING ASTM A325 OR A490 BOLTS" APPROVED APRIL 28, 1978.

CONNECTION ANGLES SHALL HAVE A MINIMUM THICKNESS OF 5/16 INCHES.

CONNECTIONS SHALL HAVE A MINIMUM OF TWO BOLT ROWS.

SHOP CONNECTIONS SHALL BE WELDED OR HIGH STRENGTH BOLTED.

UNLESS SPECIFICALLY NOTED BOLTS SHALL BE 3/4" TYPE A325-N GALVANIZED.

THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE WORK IS FULLY COMPLETED.

MILL BEARING ENDS OF COLUMNS, STIFFENERS, AND OTHER BEARING SURFACES TO TRANSFER LOAD OVER ENTIRE CROSS SECTION.

BOLT HOLES SHALL BE PUNCHED OR DRILLED. FLAME CUT HOLES ARE NOT ACCEPTABLE.

FABRICATE BEAMS WITH MILL CAMBER UP.

LEVEL AND PLUMB INDIVIDUAL MEMBERS OF THE STRUCTURE TO AN ACCURACY OF 1/500, BUT NOT TO EXCEED 1/4" IN THE FULL HEIGHT OF THE COLUMN.

COMMENCEMENT OF STRUCTURAL STEEL WORK WITHOUT NOTIFYING THE ENGINEER OF ANY DISCREPANCIES WILL BE CONSIDERED ACCEPTANCE OF PRECEDING WORK.

FOUR COPIES OF ALL INSPECTION TEST REPORTS SHALL BE SUBMITTED TO THE ARCHITECT WITHIN TEN (10) WORKING DAYS OF THE DATE OF INSPECTION.

ALL STEEL WORK SHALL BE GALVANIZED AND IN ACCORDANCE WITH THE SPECIFICATION ASTM A123 UNLESS OTHERWISE NOTED. (AFTER FABRICATION)

ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND AWS D1.1 WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION", 9TH EDITION. AT THE COMPLETION OF ALL WELDING, ALL DAMAGE TO GALVANIZED COATING SHALL BE REPAIRED.

NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIA. GALVANIZED ASTM A 307 BOLTS UNLESS NOTED OTHERWISE.

USE PRECAUTIONS & PROCEDURES PER AWS D1.1 WHEN WELDING GALVANIZED METALS.

TOUCH-UP ALL DAMAGED GALVANIZED STEEL WITH APPROVED COLD ZINC, "GALVANOX", "DRY GALV", "ZINC-IT", OR APPROVED EQUIVALENT, IN ACCORDANCE WITH MANUFACTURERS GUIDELINES.

TOUCH-UP DAMAGED NON GALVANIZED STEEL WITH SAME PAINT APPLIED IN SHOP OR FIELD.

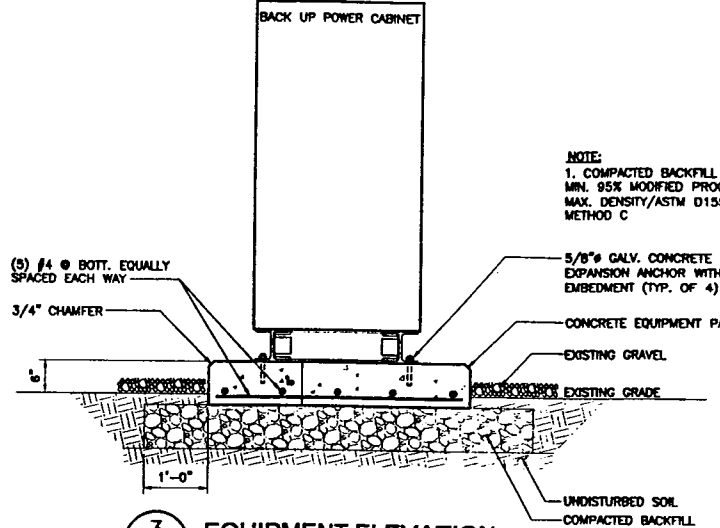
EXISTING DIMENSIONS OF STRUCTURE SHOWN ON THESE PLANS ARE NOT GUARANTEED. CONTRACTOR SHALL TAKE FIELD MEASUREMENTS NECESSARY TO ASSURE PROPER FIT ALL FINISHED WORK AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY WHEN SHOP DRAWING BASED ON FIELD MEASUREMENT IS SUBMITTED FOR REVIEW. THE FIELD MEASUREMENT SHALL BE SUBMITTED FOR REFERENCE TO THE ENGINEER.

**CONCRETE AND REINFORCING STEEL NOTES**

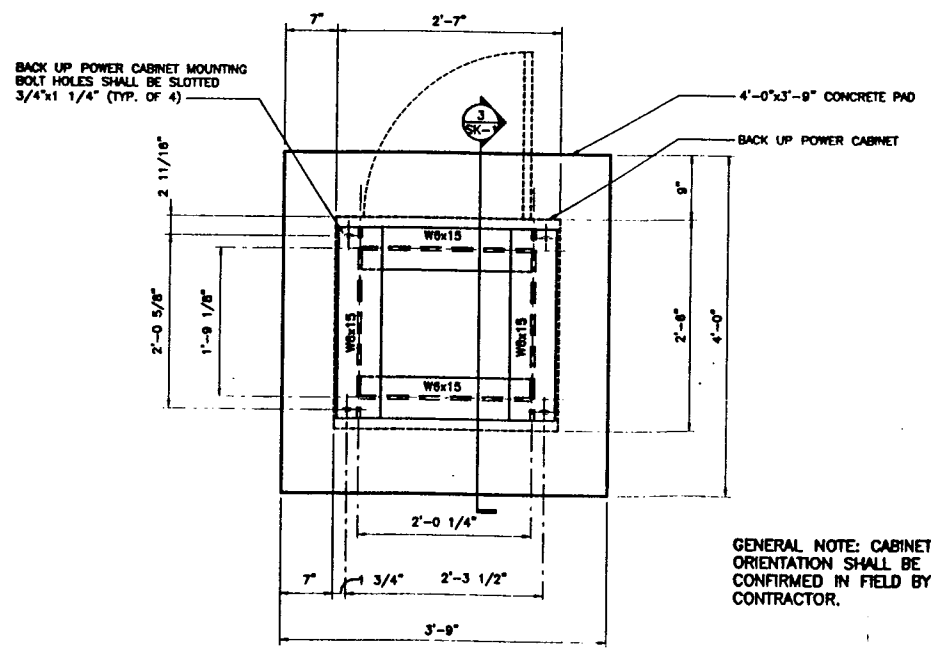
- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318 AND THE SPECIFICATION CAST-IN-PLACE CONCRETE.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE. ALL CONCRETE TO BE AIR-ENTRAINED TO (4% TO 6%), SLUMP 3" TO 5".
- REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNO.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

- CONCRETE CAST AGAINST EARTH.....3 IN.
- CONCRETE EXPOSED TO EARTH OR WEATHER:
  - #6 AND LARGER .....2 IN.
  - #3 AND SMALLER & WWF .....1 1/2 IN.
- CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:
  - SLAB AND WALL .....3/4 IN.
  - BEAMS AND COLUMNS .....1 1/2 IN.

- A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
- INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL WHEN DRILLING HOLES IN CONCRETE.
- COLD WEATHER CONCRETE POURING SHALL BE IN ACCORDANCE WITH ACI-308
- NO FOOTING SHALL BE PLACED ON FROZEN GROUND. FRESH CONCRETE SHALL BE PROTECTED AGAINST FROST.
- APPLY NON-SLIP BROOM FINISH IMMEDIATELY AFTER TROWEL FINISHING.

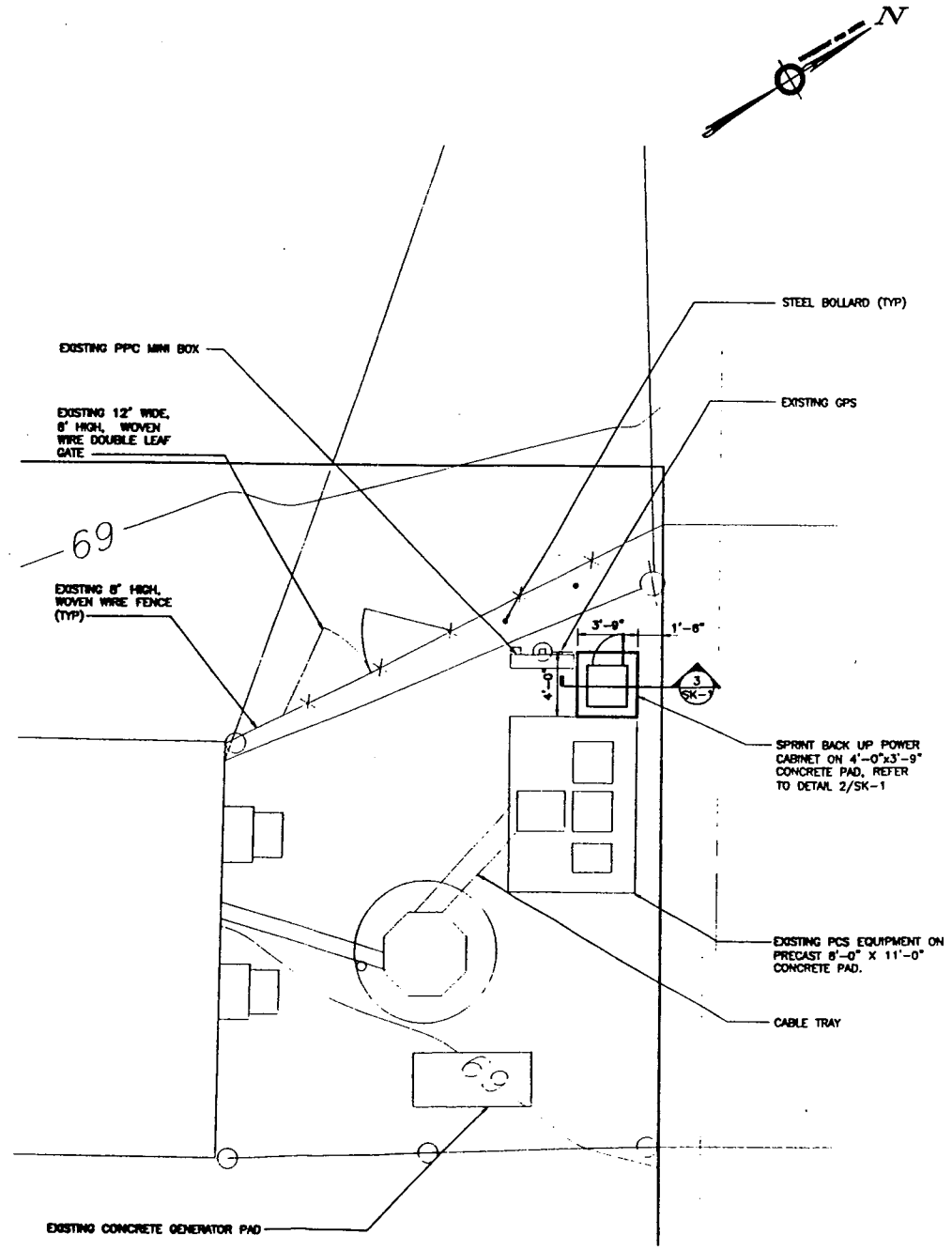


**3 EQUIPMENT ELEVATION**  
SCALE: 3/4"=1'-0"



**2 EQUIPMENT FRAME LAYOUT PLAN**  
SCALE: 1"=1'-0"

GENERAL NOTE: CABINET ORIENTATION SHALL BE CONFIRMED IN FIELD BY CONTRACTOR.



**1 COMPOUND PLAN**  
SCALE: 1"=5'-0"

**URS CORPORATION AES**  
500 ENTERPRISE DRIVE  
ROCKY HILL, CONNECTICUT  
1-(866)-529-8882

WEST HARTFORD  
NEW PARK AVENUE  
WEST HARTFORD, CONNECTICUT 06127  
SITE NO. CT03XC091

**Sprint PCS**  
HARTFORD MTA

NO.	DATE	REVISION	BY	CHK	APP



**Sprint PCS**  
PARTIAL COMPOUND PLAN, DETAILS AND STRUCTURAL NOTES  
JOB NO. F302030.11/F12  
DRAWING NUMBER SK-1  
REV 0