



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@ct.gov

www.ct.gov/csc

February 13, 2013

Alex Ignachuck
Tower Resource Management
16 Chestnut Street
Suite 220
Foxborough, MA 02035

RE: **EM-METROPCS-077-121228-MA** - MetroPCS Massachusetts, LLC notice of intent to modify an existing telecommunications facility located at 53 Slater Street, Manchester, Connecticut.

Dear Mr. Ignachuck:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

- Any deviation from the proposed modification as specified in this notice and supporting materials with Council shall render this acknowledgement invalid;
- Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
- Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
- The validity of this action shall expire one year from the date of this letter; and
- The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration;

The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice received December 28, 2012. 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 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. Please be advised that the validity of this action shall expire one year from the date of this letter. 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. Thank you for your attention and cooperation.

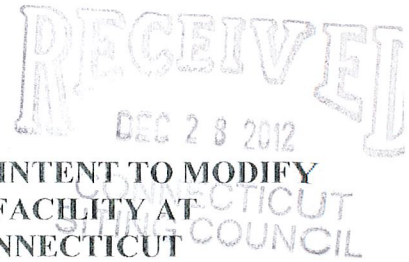
Very truly yours,

Linda Roberts
Executive Director

LR/CDM/jb

c: The Honorable Leo V. Diana, Mayor, Town of Manchester
Scott A. Shanley, General Manager, Town of Manchester
James Davis, Zoning Enforcement Officer, Town of Manchester
Crown Castle





EM-METROPCS-077-121228-MA

**METROPCS MASSACHUSETTS, LLC NOTICE OF INTENT TO MODIFY
AN EXISTING TELECOMMUNICATIONS FACILITY AT
53 SLATER STREET, MANCHESTER, CONNECTICUT**

Pursuant to the Public Utility Environmental Standards Act, Connecticut General Statutes § 16-50g et. Seq. (“PUESA”), and Sections 16-50j-72(b) and 16-50j-73 of the Regulations of Connecticut State Agencies (“R.C.S.A”) adopted pursuant to the PUESA, Metro PCS, Inc., by and through its agent MetroPCS Massachusetts, LLC (“MetroPCS”) and as successor in interest to Pocket Communications hereby notifies the Connecticut Siting Council of its intent to modify an existing facility located at 53 Slater Street, Manchester, Connecticut. The telecommunications facility is owned by Crown Castle International (Crown”) and leased to MetroPCS

MetroPCS’ Proposed Wireless Modifications

ORIGINAL

MetroPCS as successor in interest to Pocket Communications achieved an initial exempt modification approval from the Siting Council to install antennas and related ground equipment on November 3, 2008. The facility consists of a one hundred and fifty-five (155) foot high monopole telecommunications tower (the “Tower”) within a fenced compound. MetroPCS now intends to modify the facility as shown on the enclosed plans prepared by Chappell Engineering Associates, LLC and annexed hereto as Exhibit 1. The modifications will consist of ground work only and entails expanding the existing MetroPCS lease area from 6’x6’ to 10’x9’, removing the one (1) existing radio cabinet and replacing with one (1) proposed radio cabinet and one (1) proposed battery cabinet. The existing ppc cabinet will remain resulting in a final ground configuration of one (1) radio cabinet, one (1) battery cabinet and one (1) ppc cabinet all within a 10’x9’ lease area. MetroPCS will not be modifying the existing antennas and related equipment installed on the tower at this time and therefore; will not affect the structural capacity of the existing tower.

In accordance with R.C.S.A Section 16-50j-73, a copy of this submission is being sent to the Town of Manchester. A copy of this submission is also being sent to 121 Connecticut Avenue Associates, LLC, the property owner on which the tower is located.

MetroPCS’ Proposed Wireless Modifications Constitutes An “Exempt Modification”

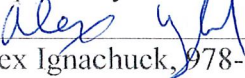
The proposed modification to the Slater Street Facility constitutes an exempt modification of an existing facility provided for in R.C.S.A Section 16-50j-72(b)(2) and Council regulations promulgated pursuant thereto.

- 1) The proposed modifications are restricted to ground equipment only and will not result in an increase in the height of the existing tower.
- 2) The proposed modifications will not require expansion of the site boundaries.
- 3) The proposed modifications will not increase noise levels at the facility by six decibels or more.

- 4) MetroPCS' proposed facility will not increase the cumulative radio frequency electromagnetic radiation power density at the Tower site's boundary to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes and MPE limits established by the Federal Communications Commission. A cumulative General Power Density table for MetroPCS' proposed modified facility is included as Exhibit 2.

For all the foregoing reasons, MetroPCS' respectfully submits that the proposed modifications to the above-referenced telecommunications facility constitutes an exempt modification under R.C.S.A Section 16-50j-72(b)(2)

Respectfully submitted,



Alex Ignachuck, 978-875-0063
16 Chestnut Street, Suite 220
Foxborough, MA 02035
On behalf of MetroPCS Massachusetts, LLC

cc:

Greg Smith
Chief Building Inspector
494 Main Street
Manchester, CT 06045

Guy Burns
121 Connecticut Avenue Associates, LLC
9 Lake Lane
Ellington, CT 06029

Exhibit I

Site Plan

metroPCS

Unlimit Yourself.

HFC0618A SLATER STREET - MANCHESTER

53 SLATER STREET
MANCHESTER, CT 06042
HARTFORD COUNTY

CROWN SITE: 876347
SITE TYPE: EQUIPMENT UPGRADE - MONOPOLE

SITE INFORMATION:

PROPERTY OWNER: ONE HUNDRED TWENTY ON CONNECTICUT AVENUE ASSOCIATES LLC

TOWER OWNER: CROWN CASTLE
500 WEST CUMMINGS PARK, SUITE 3600
WOBURN, MA 01801

APPLICANT: MetroPCS MASSACHUSETTS, LLC
285 BILLERICA ROAD, THIRD FLOOR
CHELMSFORD, MA 01824
(978) 244-7000

SITE ADDRESS: 53 SLATER STREET
MANCHESTER, CT 06042
HARTFORD

COUNTY: HARTFORD

LATITUDE: N 41.805041°

LONGITUDE: W -72.533495°

ZONING CLASSIFICATION: INDUSTRIAL

ZONING JURISDICTION: TOWN OF MANCHESTER

TAX ID PARCEL NUMBER: MAP 56 BLOCK 5140 LOT 53

ARCHITECT / ENGINEER: CHAPPELL ENGINEERING ASSOCIATES, LLC
R.K. EXECUTIVE CENTRE
201 BOSTON POST ROAD WEST
SUITE 101
MARLBOROUGH, MA 01752

POWER COMPANY: CONNECTICUT LIGHT & POWER
P.O. BOX 270
HARTFORD, CT 06141-0270
(800) 286-2000

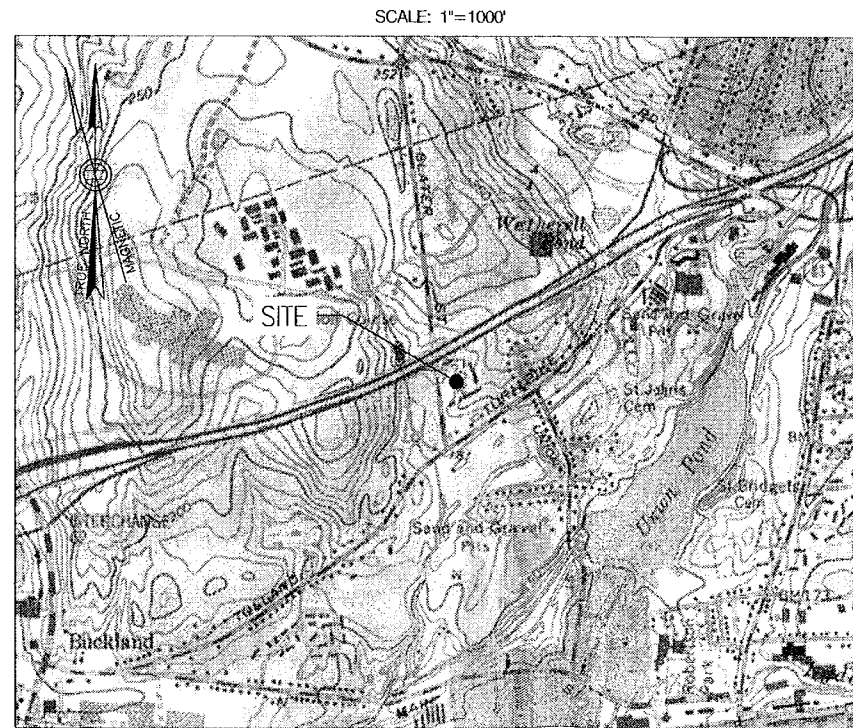
TELEPHONE COMPANY: AT&T CONNECTICUT
2147 SUMMER STREET
STAMFORD, CT 06905-4523
(203) 708-9992

SITE ACQUISITION MANAGER: KELLIE DUNN
(978) 244-7200

CONSTRUCTION MANAGER: DAVE BLAN
(978) 244-7200

OPERATIONS MANAGER: MIKE WILBANKS
(978) 244-7200

VICINITY MAP



DRIVING DIRECTIONS

TAKE I-495 SOUTH TOWARD MARLBOROUGH/TAUNTON. TAKE EXIT 25B FOR I-290 WEST TOWARD WORCESTER. TAKE EXIT 7 FOR I-90/MASS PIKE. FOLLOW SIGNS FOR I-90 WEST/SPRINGFIELD/ALBANY AND MERGE ONTO I-90 WEST. TAKE EXIT 9 FOR I-84 WEST TOWARD US-20/HARTFORD/NEW YORK CITY. TAKE EXIT 63 FOR CT-30 TOWARD CT-83/AS WINDSOR/MANCHESTER. TURN RIGHT ONTO CT-30 N/DEMINING ST. TAKE THE 1ST RIGHT ONTO TOLLAND TURNPIKE 13. TURN RIGHT ONTO SLATER ST. DESTINATION WILL BE ON THE RIGHT.

APPROVALS

LANDLORD: _____

FIELD CONST. MGR: _____

RF ENGINEER: _____

SITE ACQUISITION AGENT: _____

ZONING MANAGER: _____

ERICSSON: _____

SHEET INDEX

DWG.	DESCRIPTION	REV.
T-1	TITLE SHEET	0
GN-1	GENERAL NOTES	0
A-1	COMPOUND PLAN & ELEVATION	0
S-1	EQUIPMENT PLANS, SECTIONS & DETAILS	0
E-1	ONE-LINE DIAGRAM, RISER, DETAILS & NOTES	0
E-2	GROUNDING DETAILS	0

PROJECT DESCRIPTION

- THIS IS AN UNMANNED AND RESTRICTED ACCESS EQUIPMENT AND WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNAL FOR THE PURPOSE OF PROVIDING PUBLIC CELLULAR SERVICE.
- THIS FACILITY WILL CONSUME NO UNRECOVERABLE ENERGY.
- NO POTABLE WATER SUPPLY IS TO BE PROVIDED AT THIS LOCATION.
- NO WASTE WATER WILL BE GENERATED AT THIS LOCATION.
- NO SOLID WASTE WILL BE GENERATED AT THIS LOCATION.
- METRO PCS MAINTENANCE CREW (TYPICALLY ONE PERSON) WILL MAKE AN AVERAGE OF ONE TRIP PER MONTH AT ONE HOUR PER VISIT.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE PROJECT OWNER'S REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

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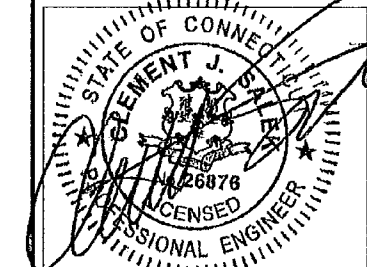
285 BILLERICA ROAD
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CHELMSFORD, MA 01824
TEL (978) 244-7000
FAX (978) 244-7240

ERICSSON

6300 LEGACY DRIVE
PLANO, TX 75024
TEL (972) 583-0000

CHAPPELL
ENGINEERING
ASSOCIATES, LLC

R.K. EXECUTIVE CENTRE
201 BOSTON POST ROAD WEST, SUITE 101
MARLBOROUGH, MA 01752
(508) 481-7400
www.chappellengineering.com



ENGINEER/LAND SURVEYOR DATE

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

REVISIONS

REV. #	DATE	DESCRIPTION
0	12/05/12	ISSUED FOR CONSTRUCTION

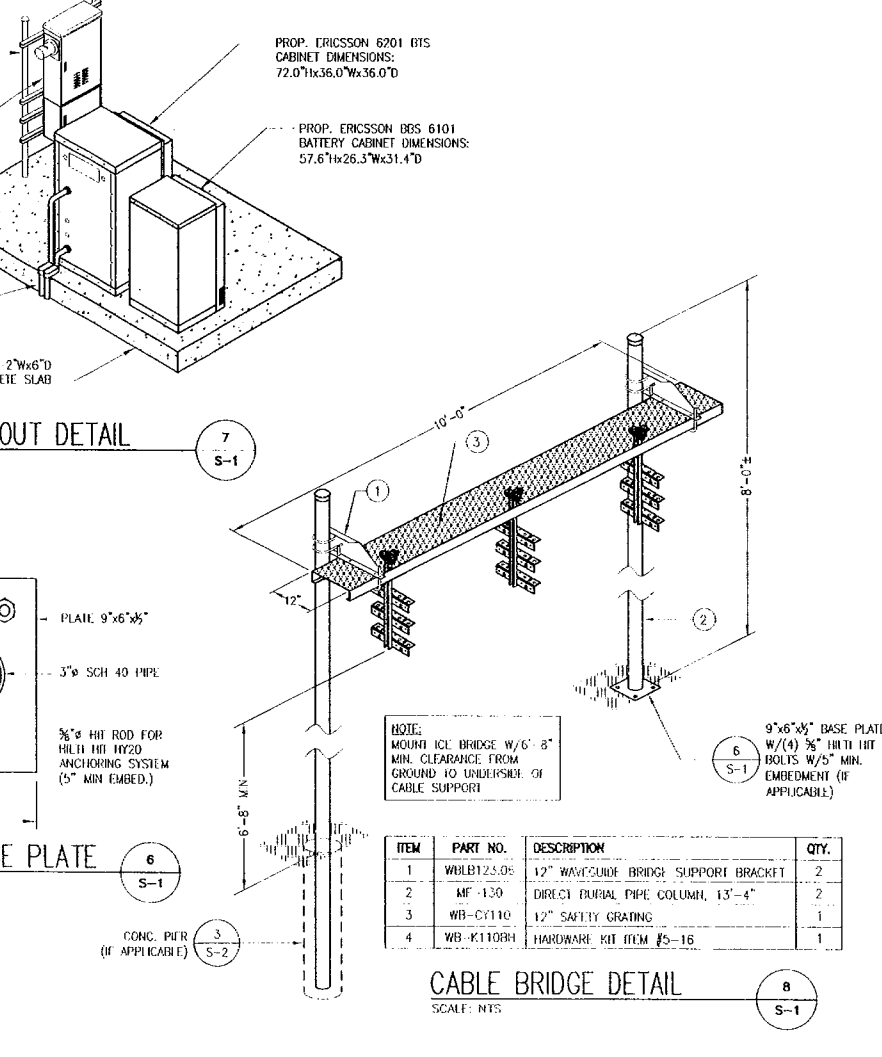
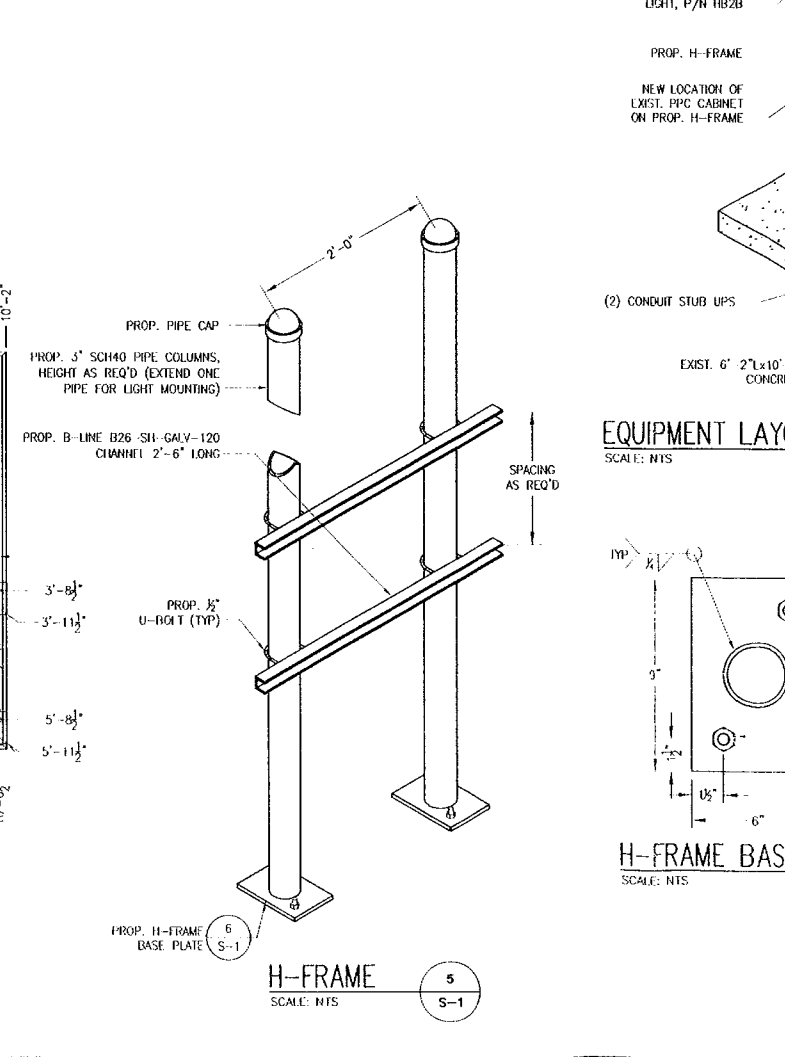
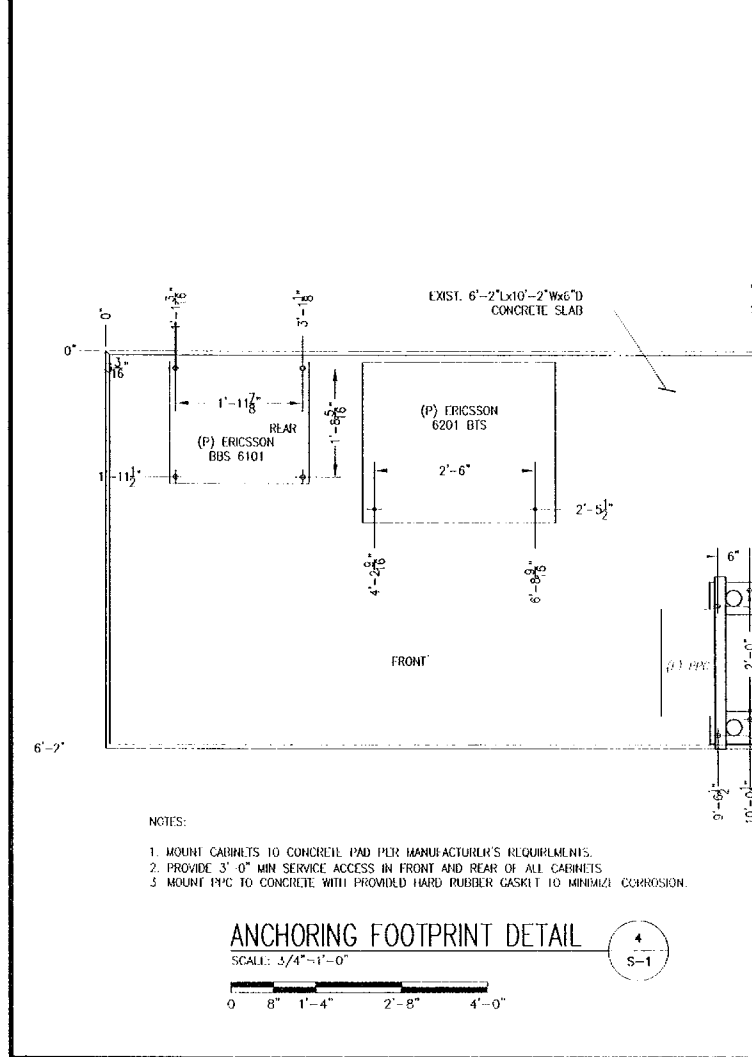
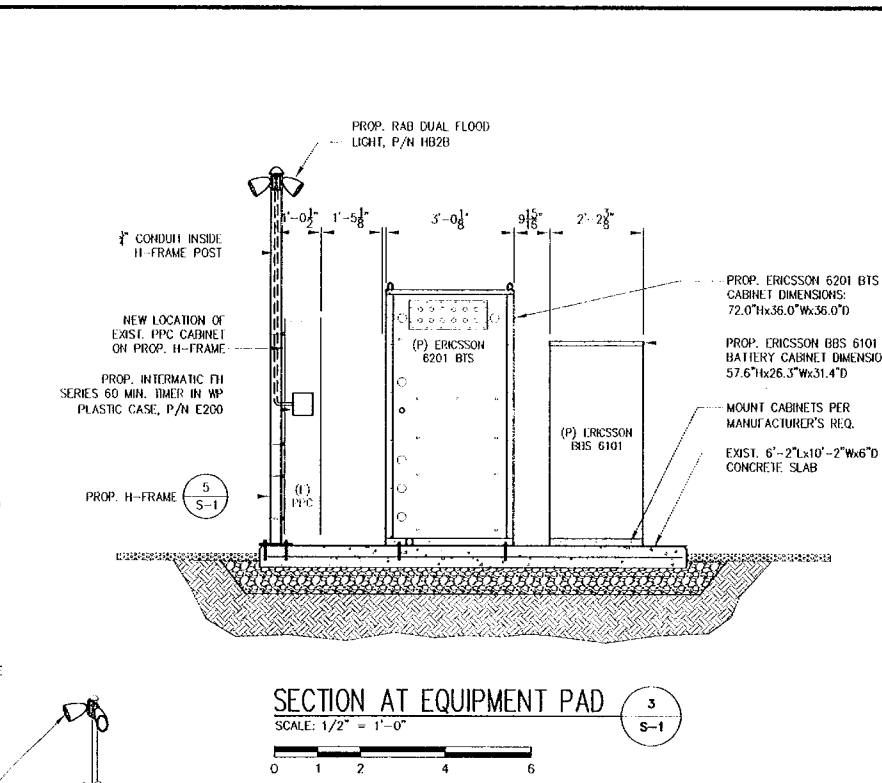
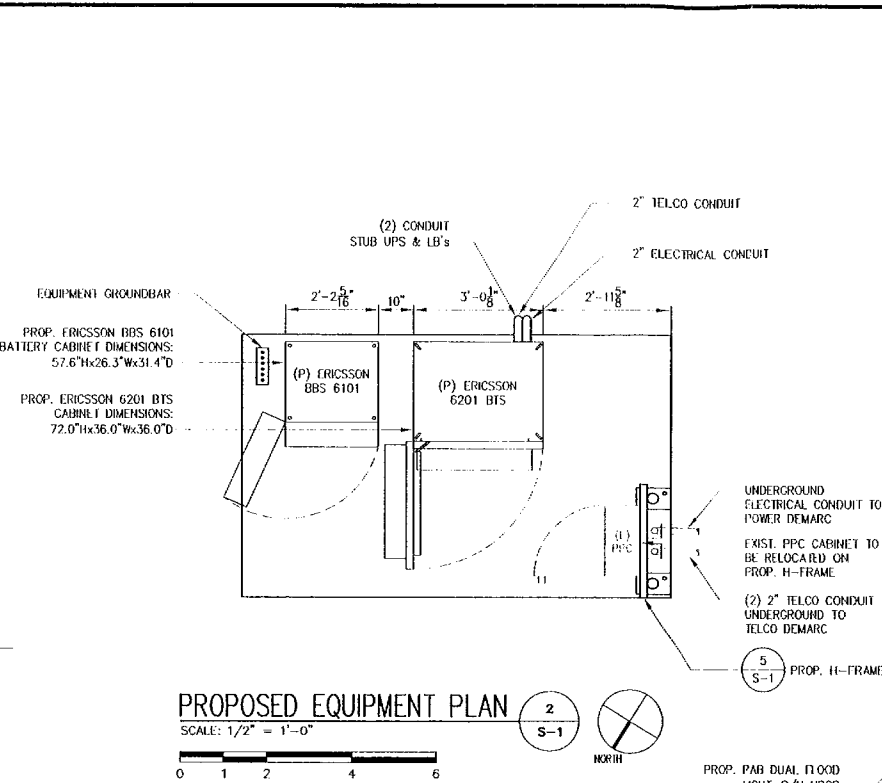
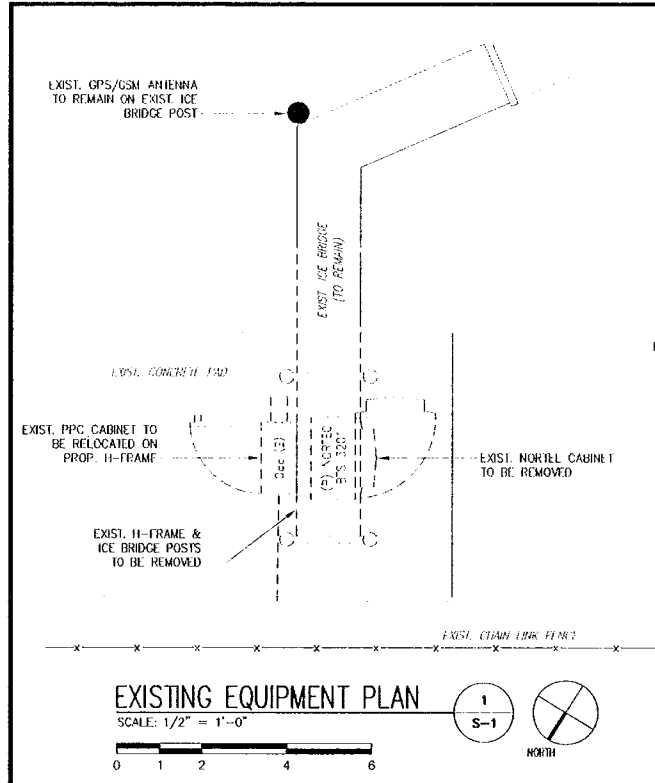
PROJECT NO.	DESIGNED BY:	SCALE
1255.032	JMT	AS SHOWN

SITE NAME:
HFC0618A
SLATER STREET
MANCHESTER
CROWN SITE: 876347

SITE ADDRESS:
53 SLATER STREET
MANCHESTER, CT 06042

DRAWING TITLE:
TITLE SHEET

DRAWING NO:
T-1



- NOTES:
1. MOUNT CABINETS TO CONCRETE PAD PER MANUFACTURER'S REQUIREMENTS.
 2. PROVIDE 3" 0" MIN SERVICE ACCESS IN FRONT AND REAR OF ALL CABINETS.
 3. MOUNT PPC TO CONCRETE WITH PROVIDED HARD RUBBER GASKIT TO MINIMIZE CORROSION.

ITEM	PART NO.	DESCRIPTION	QTY.
1	WBLET23.05	12" WAVEGUIDE BRIDGE SUPPORT BRACKET	2
2	MF-130	DIRECT BURIAL PIPE COLUMN, 13'-4"	2
3	WB-CY110	12" SAFETY GRATING	1
4	WB-K110RH	HARDWARE KIT ITEM #5-16	1

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285 BILLERICA ROAD
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ERICSSON

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MARLBOROUGH, MA 01752
(508) 481-7400
www.chappellengineering.com

STATE OF CONNECTICUT
CLEMENT J. CHAPPELL
LICENSED PROFESSIONAL ENGINEER
26078

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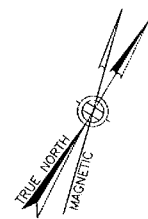
PROJECT NO. 1255.032
DESIGNED BY: JMT
DRAWN BY: RJK
CHECKED BY: JMT
SCALE: AS SHOWN

SITE NAME:
HFC0618A
SLATER STREET
MANCHESTER
CROWN SITE: 876347

SITE ADDRESS:
53 SLATER STREET
MANCHESTER, CT 06402

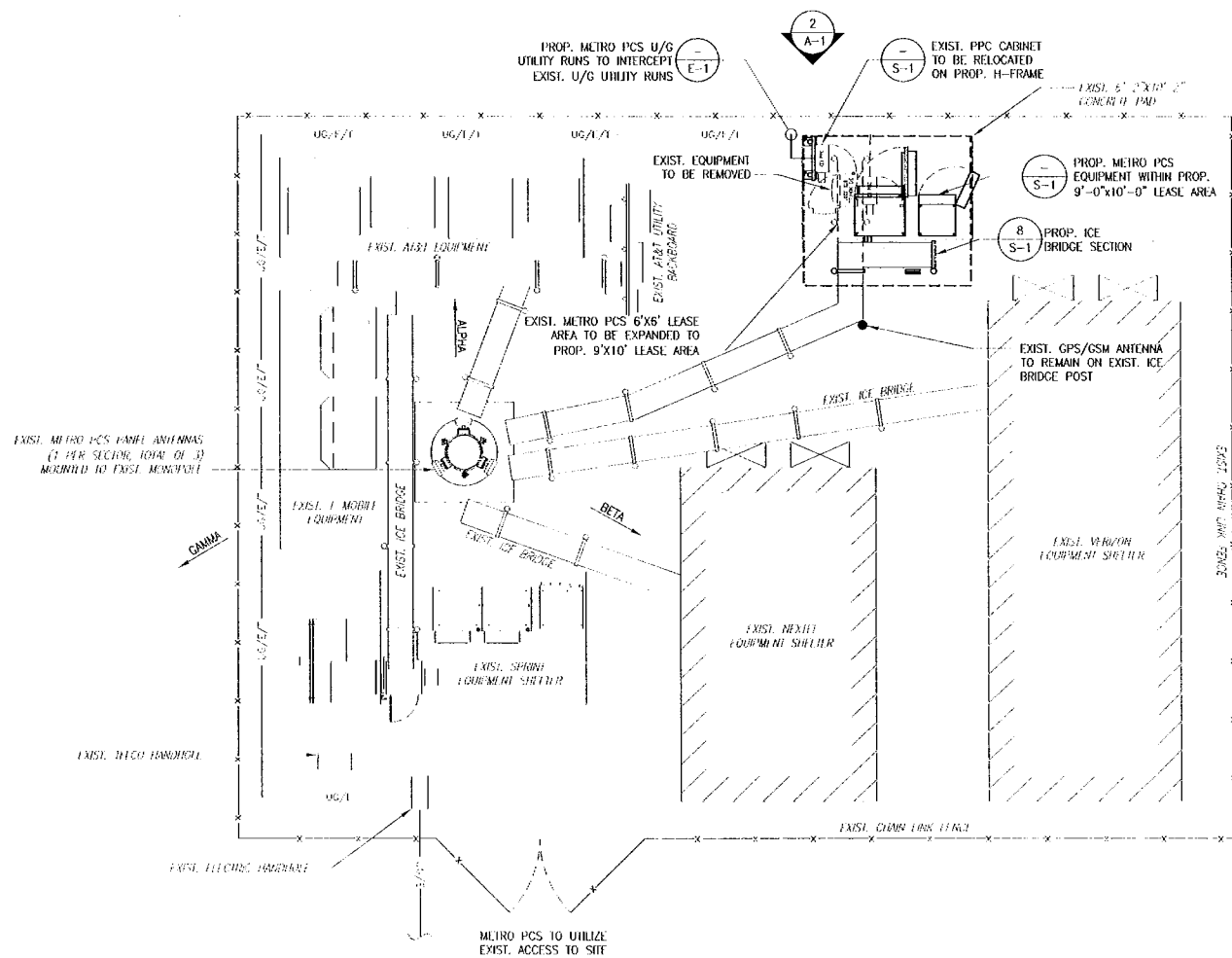
DRAWING TITLE:
EQUIPMENT PLAN,
SECTIONS & DETAILS

DRAWING NO.:
S-1

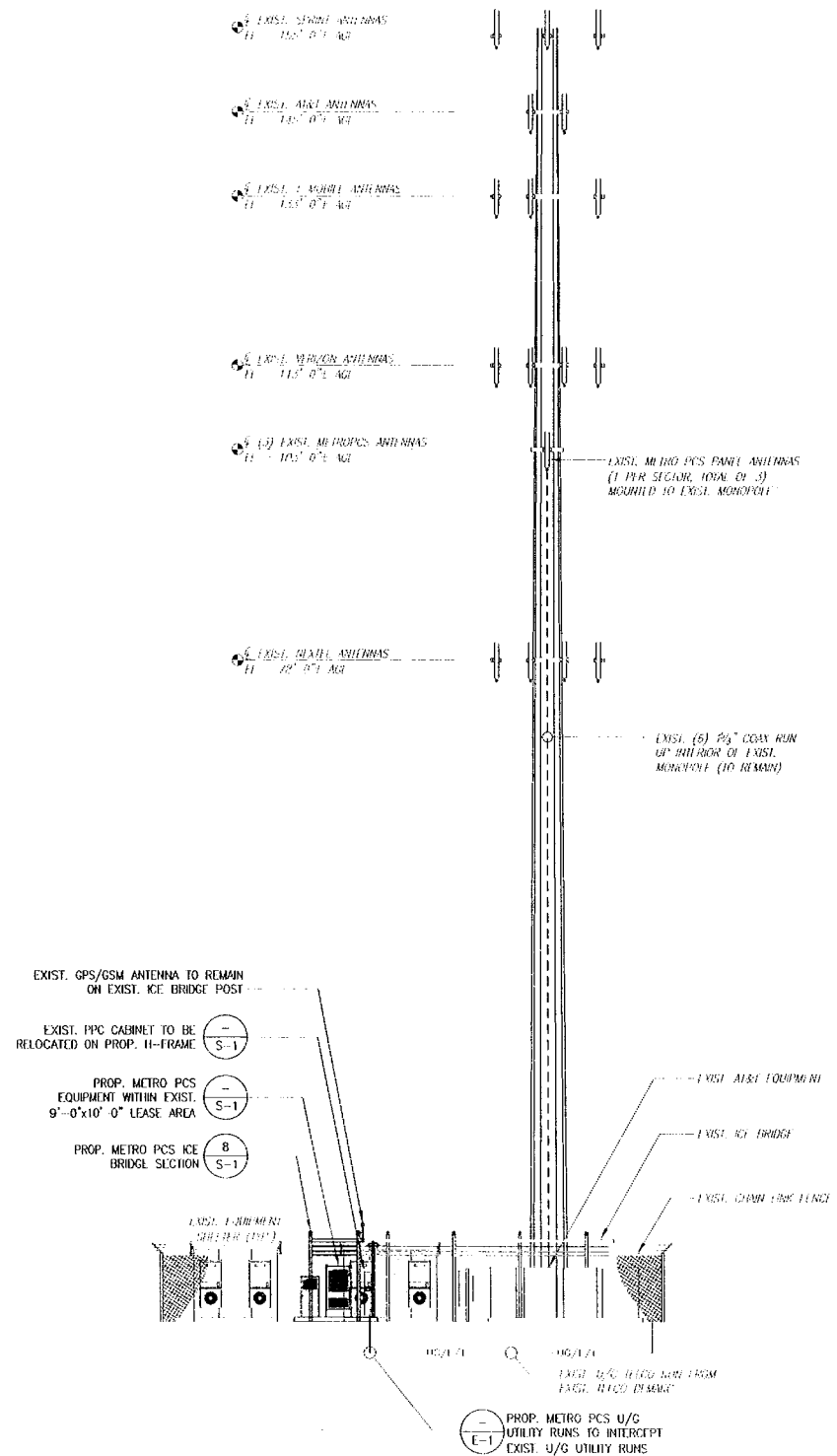


SITE NOTES

1. EXIST. METRO PCS 6'x6' LEASE AREA TO BE EXPANDED TO PROP. 9'x10' LEASE AREA
2. EXISTING 100A ELECTRIC SERVICE TO REMAIN & BE RECONNECTED TO PPC.
3. EXISTING TELCO CONDUIT TO REMAIN. INSTALL NEW 25 PAIR, 24 GAUGE RCKY-PPC CABLE, AS DIRECTED BY METRO PCS.
4. EXISTING GPS ANTENNA TO REMAIN ON EXISTING ICE BRIDGE POST.
5. INSTALL NEW COAX GROUND BAR FOR GROUND KITS & POLYPHASE SURGE ARRESTORS.
6. INSTALL NEW EQUIPMENT TO REPLACE EXISTING H-FRAME ON PROPOSED CONCRETE PAD.



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



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

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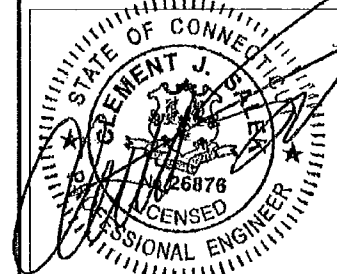
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	RJK	
	CHECKED BY:	
	JMT	

SITE NAME:
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SLATER STREET
MANCHESTER
CROWN SITE: 876347**

SITE ADDRESS:
**53 SLATER STREET
MANCHESTER, CT 06402**

DRAWING TITLE:
COMPOUND PLAN & ELEVATION

DRAWING NO:
A-1

Exhibit 2

Power Density Calculation

Power Density Calculations

Control Number	Site	Carrier	#Channels	ERP/Ch	Ant Ht	Power Density (mW/cm2)	MHz	S	%MPE	Site Total
EM-NEXTEL-077-020604	Manchester - 53 Slater Road	Nextel	9	100	78	0.0532	851	0.5673	9.38%	
EM-NEXTEL-077-020604	Manchester - 53 Slater Road	Sprint	11	100	155	0.0165	1962	1.0000	1.65%	
EM-Clearwire-077-10218	Manchester - 53 Slater Road	Clearwire	2	153	155	0.0046	2496	1.0000	0.46%	
EM-Clearwire-077-10218	Manchester - 53 Slater Road	Clearwire	1	211	151	0.0033	11 GHz	1.0000	0.33%	
EM-CING-077-120713	Manchester - 53 Slater Road	AT&T UMTS	2	565	145	0.0193	880	0.5867	3.29%	
EM-CING-077-120713	Manchester - 53 Slater Road	AT&T UMTS	2	1077	145	0.0368	1900	1.0000	3.68%	
EM-CING-077-120713	Manchester - 53 Slater Road	AT&T GSM	1	283	145	0.0048	880	0.5867	0.82%	
EM-CING-077-120713	Manchester - 53 Slater Road	AT&T GSM	4	646	145	0.0442	1900	1.0000	4.42%	
EM-CING-077-120713	Manchester - 53 Slater Road	AT&T LTE	1	1313	145	0.0225	734	0.4893	4.59%	
EM-Pocket-081015	Manchester - 53 Slater Road	metroPCS CDMA	3	727	103	0.0739	2135	1.0000	7.39%	
EM-T-Mobile-077-0901238	Manchester - 53 Slater Road	T-Mobile	8	175	133	0.0285	1945	1.0000	2.85%	
EM-T-Mobile-077-0901238	Manchester - 53 Slater Road	T-Mobile	2	699	133	0.0284	2100	1.0000	2.84%	
EM-VER-077-100128	Manchester - 53 Slater Road	Verizon	9	338	113	0.0857	869	0.5793	14.79%	
EM-VER-077-100128	Manchester - 53 Slater Road	Verizon	3	418	113	0.0353	1970	1.0000	3.53%	
EM-VER-077-100128	Manchester - 53 Slater Road	Verizon	1	867	113	0.0244	757	0.5047	4.84%	64.85%
	Manchester - 53 Slater Road	metroPCS LTE	1	1200	103	0.0407	2130	1.0000	4.07%	68.94%