

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

November 9, 2001

David S. Malko Manager-Engineering Verizon Wireless Network Department 99 East River Drive East Hartford, CT 06108

RE:

TS-VER-022-011018 - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at a telecommunications facility located at 53 Westminster Road, Canterbury, Connecticut.

Dear Mr. Malko:

At a public meeting held November 7, 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, with the condition that PCS antennas are removed within 6 months of installation if they are not used. 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 October 11, 2001.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston

Chairman

MAG/RKE/laf

c: Honorable Neil A. Dupont, Sr., First Selectman, Town of Canterbury Darlene L. Gannon, Zoning Enforcement Officer, Town of Canterbury Julie M. Donaldson, Esq., Hurwitz & Sagarin LLC



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

October 23, 2001

Honorable Neil A. Dupont, Sr. First Selectman Town of Canterbury P O Box 27 Canterbury, CT 06331-0027

RE:

TS-VER-022-011018 - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at a telecommunications facility located at 53 Westminster Road, Canterbury, Connecticut.

Dear Mr. Dupont:

The Connecticut Siting Council (Council) received this request for tower sharing, pursuant to Connecticut General Statutes § 16-50aa.

The Council will consider this item at the next meeting scheduled for Wednesday, November 7, 2001, at 1:00 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/RKE/grg

Enclosure: Notice of Tower Sharing

c: Darlene L. Gannon, Zoning Enforcement Officer, Town of Canterbury

October 11, 2001

Mr. Mortimer A. Gelston
Connecticut Siting Council
10 Franklin Square

OCT 18 2001

Network Department
99 East River Drive
East Hartford, CT 06108

Re: Request by Cellco Partnership d/b/a/ Verizon Wireless for an Order to Approve the Shared Use of a Tower Facility located at <u>53 Westminster Road, Canterbury,</u> Connecticut.

SITING COUNCIL

Dear Chairman Gelston:

New Britain, CT 06051

Pursuant to Connecticut General Statutes (C.G.S.) Sec. 16-50aa, Cellco Partnership d/b/a/Verizon Wireless hereby requests an order from the Connecticut Siting Council ("Council") to approve the proposed-shared use by Verizon Wireless of an existing tower located at 53 Westminster Road, Canterbury, Connecticut. The property is owned by Carolyn J. Besade and leased to Sprint Spectrum L.P. Sprint Spectrum L.P. owns and manages the tower. As shown on the attached drawings and as further described below, Verizon Wireless proposes to install antennas on the existing tower and to locate its equipment building at the base of the tower. Verizon Wireless requests that the Council find that the proposed shared use of the tower facility satisfy the criteria stated in the C.G.S. Sec. 16-50aa, and to issue an order approving the proposed shared use.

Background

Verizon Wireless is licensed by the Federal Communications Commission to provide cellular telephone service in the Windham County RSA, which includes the area to be served by the proposed Canterbury installation.

The facility at 53 Westminster Road, Canterbury consists of a 180-foot AGL monopole tower. Verizon Wireless and Sprint Spectrum L.P. have agreed to the proposed-shared use of this tower pursuant to mutually acceptable terms and conditions. Sprint Spectrum L.P. has authorized Verizon Wireless to apply for all necessary permits, approvals and authorizations which may be required for the proposed shared use of this facility.

Verizon Wireless proposes to install twelve (12) panel type antennas on a platform with their center of radiation at approximately 170 feet above ground level ("AGL"). Verizon Wireless will also install one (1) GPS antenna on the tower. Of the 12 antennas, six will be used in Cellco's cellular system, Model No. DB844H90, and six will be used in its Personal Communications Services (PCS) system, Model No. DB948F85.

Mr. Mortimer A. Gelston October 11, 2001 Page 2

Equipment associated with these antennas will be located in a new approximately 12 foot by 30 foot equipment building located at the base of the tower. Verizon Wireless will install a diesel generator for emergency use. The generator will be installed following receipt of the required DEP permit.

G.C.S. Sec. 16-50aa provides that written request for approval of a 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 use" (G.C.S. Sec. 16-50aa(c) (1).)

Discussion

- A. <u>Technical Feasibility</u>. The existing tower is structurally sound and capable of supporting the proposed Verizon antennas. Enclosed is the structural design and analysis of the tower. Verizon engineers have determined that the proposed antenna installations present minimal potential for interference to or from existing radio transmissions from this location. In addition, the applicant is unaware of any occasion where its operations have caused interference with AM, FM, or television reception. The proposed-shared use of this tower therefore is technically feasible.
- B. <u>Legal Feasibility</u>. Under C.G.S. Sec. 16-50aa, the Council has been authorized to issue an order approving the proposed-shared use of an existing communications tower facility such as the facility at 53 Westminster road in Canterbury. (C.G.S. Sec. 16-50aa(c)(1).) This authority complements the Council's prior-existing authority under C.G.S. Sec. 16-50p to issue orders approving the construction of new towers that are subject to the Council's jurisdiction. C.G.S. Section 16-50x(a) directs the Council to "give consideration to other state laws and municipal regulations as it shall deem appropriate' in ruling on requests for the shared use of existing tower facilities. Under the authority vested in the Council by C.G.S. Sec. 16-50aa, an order by the council approving the shared use would permit the applicant to obtain a building permit for the proposed installations.
- C. <u>Environmental Feasibility</u>. 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. The addition of the proposed antennas would not increase the height of the tower, and would not extend the boundaries of the tower site, including the placement of the equipment building near the base of the existing tower.

- 2. The proposed installation would not increase the noise levels at the existing facility by six decibels or more. The only additional noise will occur during emergency use or periodic exercising of the generator.
- 3. 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 applicable standard. "Worst-case "exposure calculations for a point at the base of the tower in relation to each carriers operation are as follows:

	Applicable ANSI Stnd	Calculated "Worst-Case	Percentage of Stnd.
Verizon	0.583 mW/cm2	0.0236 mW/cm2	4.05%
Sprint	1.00 mW/cm2	0.0149 mW/cm2	1.49%

The collective "worst-case" exposure would be only 5.54% 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.

- 4. The proposed installations would not require any water or sanitary Facilities, or generate discharges to water bodies. Operations of the emergency back-up generator will result in limited air emissions Pursuant to R.S.A. Section 22a-174-3, the generator will require the issuance of a permit from the department of Environmental Protection Bureau of Air Management. After construction is complete, the proposed installation 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.
- D. <u>Economic Feasibility</u>. As previously mentioned, the tower owner and the applicant have entered into a mutual agreement to share the use of the existing tower on terms agreeable to the parties, and the proposed tower sharing is thus economically feasible.

Mr. Mortimer A. Gelston October 11, 2001 Page 4

E. <u>Public Safety Concerns.</u> As stated above, the existing tower is structurally capable of supporting the proposed Verizon Wireless antennas. The applicant is not aware of any other public safety concerns relative to the proposed tower sharing of the existing tower. In fact, the provision of continued and improved cellular phone service in the greater Willimantic area is expected to enhance the safety and welfare of area residents. The public safety benefits of wireless service are further illustrated by the decision of local authorities elsewhere in Connecticut to provide cellular phones to residents to improve local public safety and emergency communications. The proposed shared use of this facility would likewise improve public safety in the Canterbury area.

Conclusion

For the reasons discussed above, the proposed shared use of the existing telecommunications tower facility at 53 Westminster Road satisfies the criteria stated in C.G.S. Sec. 16-50aa, and advances the General Assembly's and the Council's goal of preventing the proliferation of towers in Connecticut. The applicant therefore requests that the Council issue an order approving the proposed-shared use.

Thank you for your consideration of this matter.

Pursuant to Connecticut General Statutes Sec. 16-50v and Section 16-50-1(a) of the regulations of Connecticut State Agencies, Verizon Wireless has provided a check in the amount of \$500.00 for the required filing fee.

Sincerely,

David S. Malko, P.E. Manager-Engineering Verizon Wireless

Cc: Mr. Neil A. Dupont, First Selectman



October 17, 2001

SPRINT SITES USA

535 East Crescent Avenue Ramsey, NJ 07446 NJRAMA0101 Voice 201 995 4000 Fax 201 995 4001

Andy Ahrens WFI for Verizon Wireless 1 Paragon Drive, Suite 240 Montvale, NJ 07645

Re: Sprint Site ID: CT33XC084-01 (53 Westminister Road, Canterbury, CT 06331)

Verizon Site ID: #1011050235

Dear Mr. Ahrens:

Please be advised that Verizon Wireless is hereby authorized to act as applicant to file with the Connecticut Siting Council for the necessary approvals and permits required for collocation on the above-referenced tower location.

Authorization to Act as Applicant

I, Robert Greenwell, Property Manager of Sprint Sites USA [NorthEast Region] representing SprintCom, Inc. (property owner) authorize Verizon Wireless and Andy Ahrens to act as applicant, representing us before the Connecticut Siting Council (governing jurisdiction) to obtain zoning approval for any permit required for zoning compliance. Nevertheless, Verizon Wireless and Andy Ahrens shall not be authorized to make any concessions or commitments to the Connecticut Siting Council that may affect the operations or future leasing opportunities of Sprint PCS beyond what is shown on the preliminary site plan dated October 17, 2001, for site CT33XC084-01, without obtaining the prior approval and consent of Sprint Sites USA, a division of SprintCom, Inc.

Should you have any questions please do not hesitate to contact Tawana Sanders at (201) 995-4029.

SSUSA Property Manager or Director-East Region

Signature

Sworn and subscribed before me this // day of OCTOBER, 2001

State of New TERSE County of BERGER.

Notary Public Signature

David V. Weiner
Attorney At Law of
The State of New Jersey



July 12, 2001

Andy Ahrens Wireless Facilities, Inc. 1 Paragon Drive Montdale, NJ 07645

Reference:

Structural Review of a 180 ft Monopole

Site Name: Canterbury, CT

EEI Job Number: 9574, Reference Job 6897

The 180 ft monopole referenced above was reviewed under the proposed loading presented by Andy Ahrens with Wireless Facilities, Inc. This monopole was designed and supplied by Engineered Endeavors, Inc. and depicted in drawing GS52249. The objective of this review is to determine if the monopole can structurally support the desired configuration and meet the requirements of the TIA/EIA 222-F code and Manual of Steel Construction Allowable Stress Design.

The initial design is for a 180 ft monopole with three carriers of (9) DB980 antennas at the top, and (12) DB 980 antennas at the 170 and 160 ft elevations on Low Profile Platforms. The proposed loading is (12) DB844 antennas on a Low Profile Platform at 170 ft. The monopole will be subject to less wind load than originally designed. Therefore, EEI has concluded that the monopole and foundation is adequate to support the proposed loading.

It is the responsibility of WFI to verify that the monopole reviewed is the correct structure that exists. The base section should be marked with number 26773. This review is intended for use with regard to this specific monopole discussed in general herein. Any substantial changes in mounting or loading should be brought to EEI's attention so that we can determine how this may affect our conclusions.

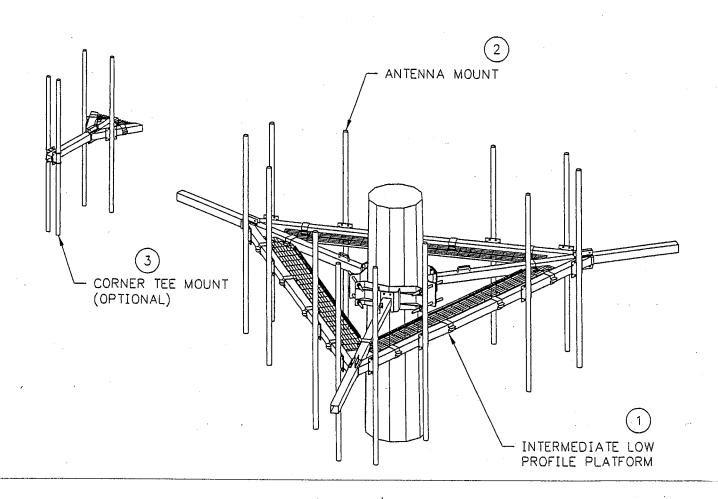
Sincerely,

Engineered Endeavors, Inc.

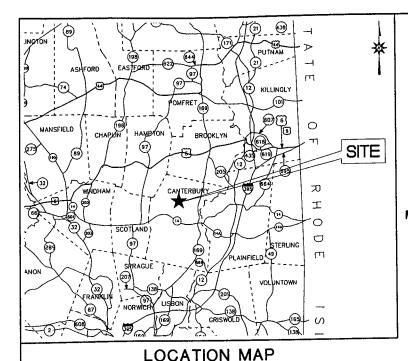
Lynn A. Padgett Design Engineer

Michael R. Morel, P.E. Vice President, Engineering

INTERMEDIATE LOW PROFILE PLATFORM



ITEM	PART #	DESCRIPTION
	K10996	12' INTERMEDIATE LOW PROFILE PLATFORM (10"ø to 25"ø)
1	K11010	12' INTERMEDIATE LOW PROFILE PLATFORM (22" to 38" Ø)
'	K10997	16' INTERMEDIATE LOW PROFILE PLATFORM (10"ø to 25"ø)
	K11011	16' INTERMEDIATE LOW PROFILE PLATFORM (22"ø to 43"ø)
2	K11014	8'-6" DIRECTIONAL ANTENNA MOUNT
3	K11070	CORNER TEE MOUNT (Min Separation 14'-3")



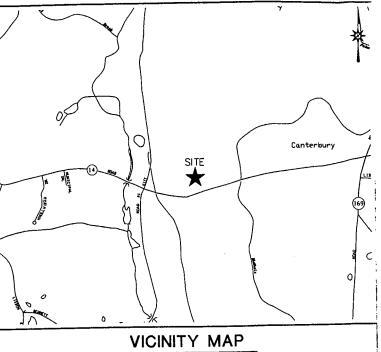
SITING COUNCIL SUBMISSION

PLAINFIELD WEST TELECOMMUNICATION FACILITY

53 WESTMINSTER ROAD CATERBURY, CONNETICUT 06331

PREPARED FOR:

CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS 99 EAST RIVER DRIVE 9TH FLOOR EAST HARTFORD, CONNECTICUT 06108



SCALE 1"=1000"

PREPARED BY:



ARCHITECTURE ENGINEERING PLANNING LANDSCAPE ARCHITECTURE LAND SURVEYING ENVIRONMENTAL SCIENCES ANALYTICAL SERVICES

355 RESEARCH PARKWAY MERIDEN, CONNECTICUT 06450 (203) 630-1406 (203) 630-2615 Fax

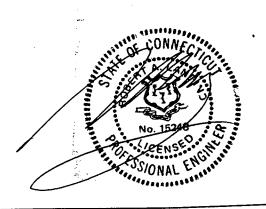


CAD FILE: CVC00201

TITLE SHEET

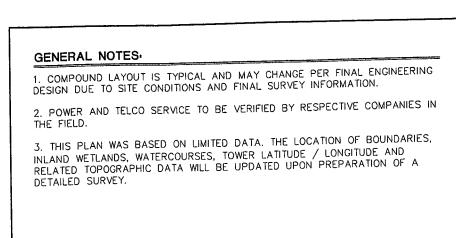
SITE PLAN AND TOWER ELEVATION

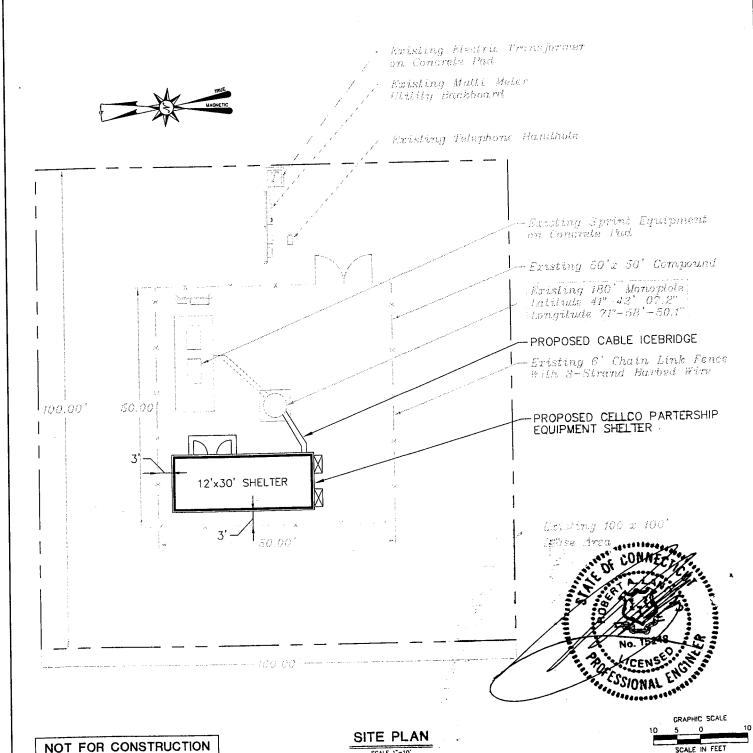
NOT FOR CONSTRUCTION FOR PERMITTING ONLY

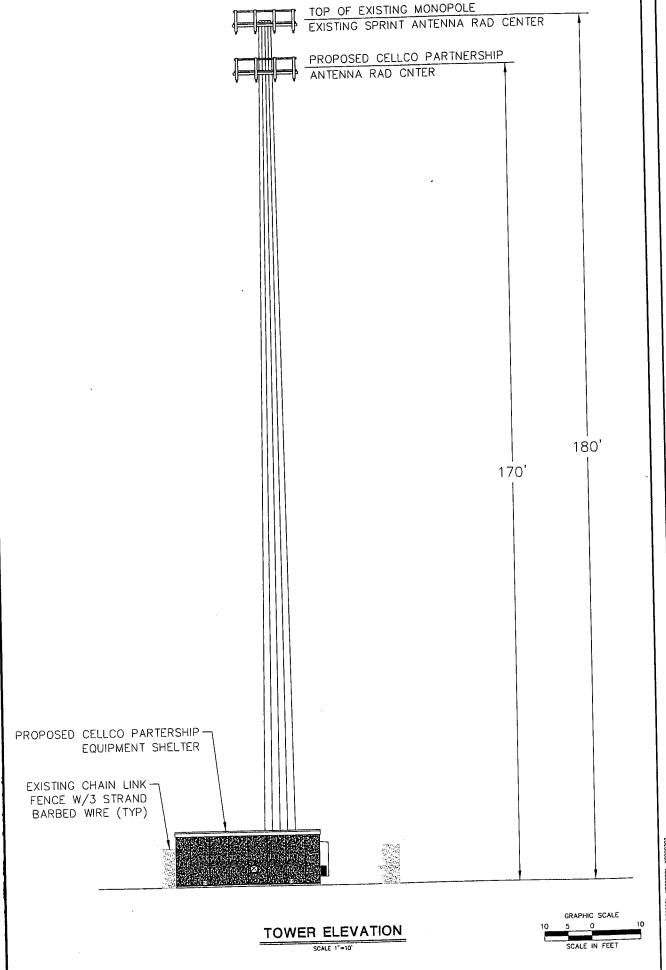


DATES

ISSUE DATE: OCTOBER 16, 2001 (ISSUED FOR PERMITTING) REVISION:









FOR PERMITTING ONLY

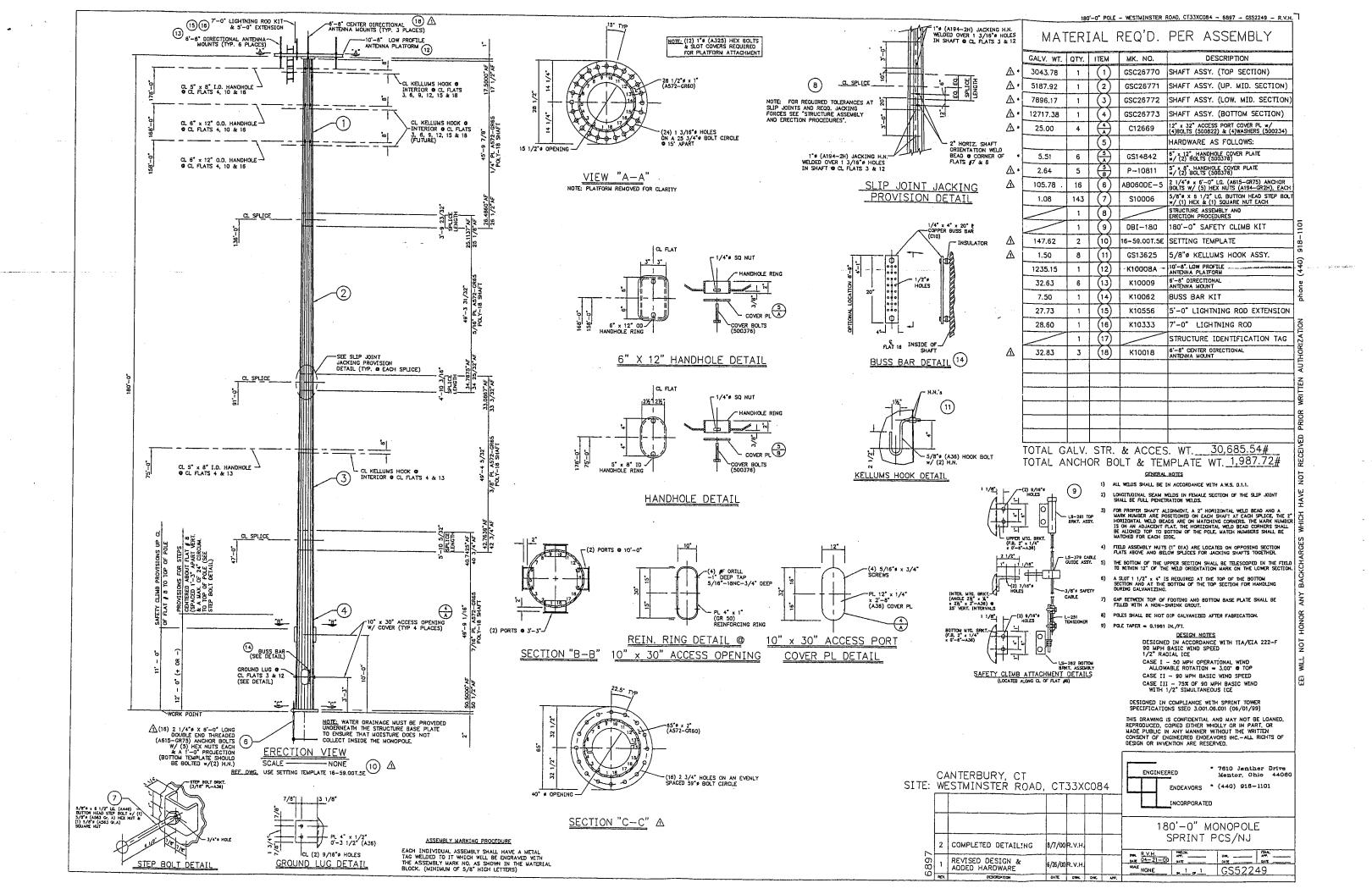
Companies

ARCHITECTURE
ENGINEERING
PLANNING
LANDSCAPE ARCHITECTURE
LAND SURVEYING
ENVIRONMENTAL SCIENCES
ANALYTICAL SERVICES

ST TELECOMMUNICATION FACILITY 53 WESTMINSTER ROAD ELEVATION TOWER AND PLAN SITE

Approved
Scale
Project No.
Date
CAD File 10/16,/20

SP-1





DB342H80N-XY, DB342H90N-XY dB DIRECTOR™ LOG PERIODIC ANTENNAS DB344H30N-XY, DB344H90N-XY 9-13 dBd GAIN, 40 dB F/B RATIO, 806-960 MHz



Ideal for cellular and trunking/ESMR applications, these high quality log periodics are now available from Decibel in four new models with 80 or 90 degree horizontal apertures. They're compact, lightweight, and provide an unmatched front-to-back ratio of 40 dB.

- Less Wind Loading They measure only 24 or 48 inches (610 or 1219 mm) tall, 8.5 inches deep (216 mm), and 6 inches wide (152 mm). They weigh only 5 or 10 pounds.
- Downtilt Electrical downtilt is available on all 4-foot models, 6°, 8°, 11°, 13°, or for mechanical downtilt, order DB5083 bracket.
- · Mull-Fill Four-foot models provide null-fill and upper lobe suppression.
- . Most Stringent IM Test Each antenna is tested for the absence of IM with 16 carriers at 500 watts of composite power.
- Sturdy Construction Made in the U.S. of high-strength aluminum alloy backs, brass elements and UV resistant ABS plastic radomes. No rivets are used!
- · Lightning Resistant All metal parts are grounded.
- Terminations and Mounts All models are available with N-Female or 7/16 DIN connectors. DB380 pipe mount is included.

Ordering information - See table for models to fit your requirements.

UPS Shippable

	Models	Available		
Model*	D8842H80N-XY	OB844H80N-XY	08842H90N-XY	D8844H90M-XY
Gain - dBd/dBi	10/12.1	13/15.1	9/11.1	12/14.1
F/B Ratio – d8	40	40	40	40
Horizontal beamwidth**	. 80°	30°	90° .	90°
Vertical beamwidth**	30°	15° ;	30°	15°
Height - in. (mm)	24 (610)	43 (1219)	24 (610)	48 (1219)
Weight - Ibs. (kg)	5 (2.3)	10 (4.6)	5 (2.3)	10 (4.6)
Shipping weight - lbs. (kg)	8 (3.6)	15 (6.3)	8 (3.6)	15 (6.3)

For 7/16 DIN connectors substitute "E" for "N" in the model numbers. Example: DB842H80E-XY.

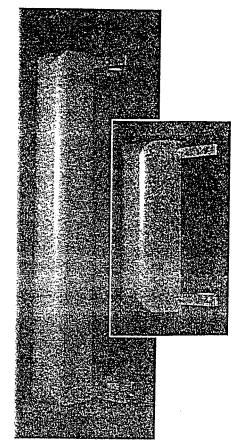
Side offset mounting bracket is included. For electrical downtilt of 6°, 8°, 11° or 13° add T6, T8, T11 or T13 before the "N" or "E" in any 4-foot model number. Example: DB344H80T6N-XY. Note: Electrical downtilt causes a gain loss of .05 dB, or , at the horizon, a reduction of 3, 6, 9 or 12 dB on downtilts of 6°, 8°, 11° or 13° respectively. For mechanical downtilt order DB5083 bracket.

:	Mechani	cal Data
	Width - in. (mm)	6 (152)
	Depth - in. (mm)	8.5 (216)
	Height	See table above
	Maximum wind speed - i	mph (km/h) 125 (200)
:	Wind area – ít² (m²) 24" (610 mm) antenn	a 1 (.093)
	48" (1219 mm) anten	na 2 (.186)
	Wind load (at 100 mph/16	31 km/h) - lbf (N) kp
	24" (610 mm) antenn	a 40 (173) 18
	48" (1219 mm) anten	na 80 (356) 36
	Radome	Gray ABS
	Backplate	Passivated aluminum
	Radiators	Brass
	Mounting hardware	Galvanized steel
	Weight	See table above

Electr	ical Data
Frequency Range - MH	z 806-960
Gain - dBd	See table above
Front-to-back ratio - dt Beamwidths VSWR	See table above <1.5:1
Null-fill and secondary	On 48" (1219 mm)
lobe suppression	models only
Maximum power input Nominal impedance - o	
Lightning protection	All metal parts grounded
Termination	N-Female or 7/16 DIN

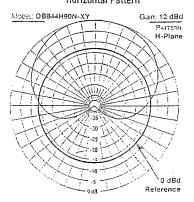


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Model: OB842H80-XY	Gain: 10 dBd
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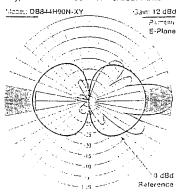


4-Foot and 2-Foot dB DIRECTORS

Typical DB842H90N-XY, DB844H90N-XY Horizontal Pattern



Typical D8844H90N-XY Vertical Pattern



^{** 3} dB from maximum.

Orector Log Periodic Antenna Family is engineered to the best possible coverage control for today's complex

duce co-channel interference.

novide exact coverage penetration.

megrated phasing and array structure in a single circuit. ouncontrolled fasteners, mechanical screws, or rivets in grourrent path.

attern shaping options:

Max Gain™ – focused gain on the horizon.

Max Fill™ – excellent USLS of 18 db and null fill of 11 to 12 dB.

austanding "cone of silence" and front to back ratio 440 dS, typical.

scellent control of intermodulation, IM3-147 dBc.

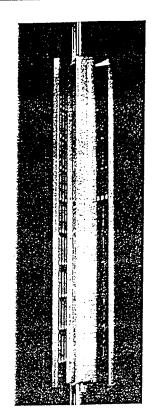
kailable in a wide range of gains and beam shapes.

sm profile for outstanding reduction of wind load.

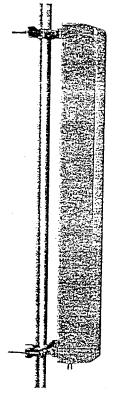
ning Information: "G" indicates "Max Gain™", "F" indicates afili™". Max Fill™ antenna gain is typically down 0.5 to # from Max Gain™. All antennas above are standard with OIN connectors, bottom mounted.

vency Dasignations: M-1850-1990, KL-1710-1880.

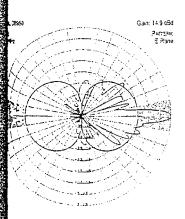
08390 Pipe mount kit (included). -085098 Downtilt Bracket (optional).

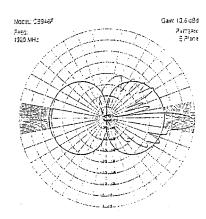


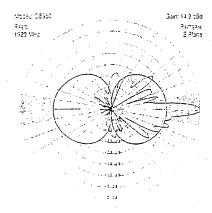


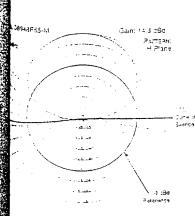


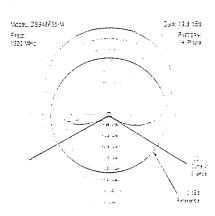
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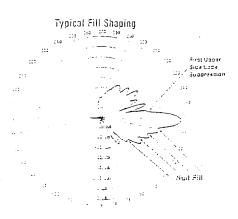












DB948, DB950

			MaxGain*	MaxFill*	MaxGain
Medium Gain	MaxGain*	MaxFill"	Q8948G65	08948F85	08948G85
Model Number	08948G40	DB948F65	15.5 (17.6)	14 (16.1)	14.8 (16.9)
Gain: dbd (dBi)	17.5 (19.6)	15.1 (17.2)	653	35°	35°
Horizontal Beamwidth	40°	65'	72	3°	7°
Vertical Beamwidth	7°	3°	J. 1.	0°, 2°, 4°	0°, 4°
Electrical Downtilt Options	0°	0°, 2°, 4"	48.5 (1232)	48.5 (1232)	48.5 (1232)
Length: in. (mm)	48.5 (1232)	48.5 (1232)	10.5 (267)	3.5 (89)	3.5 (89)
Width: in. (mm)	11 (279)	10.5 (267)	6.5 (165)	6.9 (175)	6.5 (165)
Deoth: in. (mm)	7.8 (198)	7 (178)	14 (6.4)	8.5 (3.9)	8.5 (3.9)
Weight: Ibs. (Kg)	17 (7.7)	14 (6.4)	3.5 (0.33)	1.2 (0.11)	1.2 (0.11)
Frontal Wind Area: ft ² (m ²)	3.7 (0.34)	3.5 (0.33)	2.2 (0.20)	2.3 (0.21)	2.2 (0.20)
Lateral Wind Area: ft² (m²)	2.6 (0.24)	2.4 (0.22)	140 lbr (623N) 62.9 kg	43 lbf (214N) 21.6 kp	48 lbf (214N) 21.6 kp
Frontal Wind Load (at 100mph)	148 lbf (658N) 66.5 kp	140 lbf (623N) 62.3 kp		92 lbf (409N) 41.3 kp	38 lbr (391N) 39.5 kp
Lateral Wind Load (at 100mph)	104 lbf (463N) 46.7 kp		38 lbf (391N) 93.5 kp	92 IOI (4050) 41.J kg	00 /01 (1
Lateral Wind Coad (at 166mph)					MaxGain'
	MaxGain*	MaxFill"	MaxGain*	MaxFill* DB950F85	08950G85
High Gain	D8950G40	D8950F65	D8950G65		15.9 (18.0)
Model Number	19 (21.1)	16.1 (18.2)	16.6 (13.7)	14.9 (17.0)	85°
Gain: dbd (d8i)	40°	65°	65°	85°	5.53
Horizontal Beamwidth	5.53	6.5°	5.5°	6.5*	0.9
Vertical Beamwidth	0°	0°, 2°, 4°	0°	0°, 2°, 4°	60 (1524)
Electrical Downtilt Options	60 (1524)	60 (1524)	60 (1524)	60 (1524)	
Length: in. (mm)		10.5 (267)	10.5 (267)	3.5 (39)	3.5 (89)
Width: in. (mm)	11 (279)	7 (178)	7 (173)	6.9 (175)	6.9 (175)
Depth: in. (mm)	7.8 (198)	15 (6.8)	15 (6.3)	10.5 (4.8)	10.5 (4.8)
Weight: Ibs. (Kg)	20 (9 1)	4.4 (0.41)	4.4 (0.41)	1.5 (0.14)	1.5 (0.14)
Frontal Wind Area: ft² (m²)	4.6 (0.43)	2.9 (0.27)	2.9 (0.27)	2.9 (0.27)	2.9 (0.27)
Lateral Wind Area: ft ^z (m ^z)	3.3 (0.30)		176 lbf (783N) 79.1 kp	60 lbf (267N) 27.0 kp	60 lbf (267N) 27.0 kp
Frontal Wind Load (at 100mph)	184 lbf (818N) 82.7 kp				60 lbi (267N) 27.0 kp
	132 lbf (587N) 59.3 kp	1 10 101 (3100) 021		L	
Other configurations available. Plea	ase call Customer Service o	or your Sales Representat	176.		
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Standard Specifications	KL 1710 - 1880	M 1850 - 1990	
Frequency Range (MHz)	GSM 1800	PCS	
Application VSWR	1.4:1		
IM3	150 dBc, typical		
Polarization	Vertical		
Front-to-Back Ratio	40 db, typical		
Max. Input Power	250 Watts		
Lightning Protection	All metal parts grounded E: 7/16 DIN, N: Type N-Female		
Connector Options	2: 7/16 Ulid, N. Type I		



Network Department 99 East River Drive East Hartford, CT 06108

October 11, 2001

Honorable Mr. Neil A. Dupont First Selectman Town Hall P.O. Box 26 Canterbury, CT 06331

Dear Mr. Dupont,

This letter is to inform you that Cellco Partnership d/b/a Verizon Wireless plans to install antennas and associated equipment at the existing tower facility located at 53 Westminster Road, Canterbury, Connecticut. I am enclosing a copy of Verizon Wireless's tower sharing application to the Connecticut Siting Council.

The application fully sets forth the Company's proposal. However, if you have any questions or require further information on our plans or the Siting Council's procedures, please contact me at (860) 803-8213 or Mr. Joel Rinebold, Executive Director of the Connecticut Siting Council at (860) 827-2935.

Sincerely,

David S. Malko/P.E. Manager-Engineering Verizon Wireless

Enclosure