



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

March 31, 2000

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

RE: TS-SPRINT-111-000307 - Sprint PCS request for an order to approve tower sharing at an existing telecommunications facility located at 297 North Street in Plymouth, Connecticut.

Dear Ms. Cashin:

At a public meeting held March 22, 2000, 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. 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.

The proposed placement of antennas on this existing SBA tower is in technical compliance with General Statutes § 16-50aa; nonetheless, the Council is concerned that the construction of this tower may contradict the intent of tower sharing policy. This SBA tower was built, with municipal approval, just yards away from an existing Springwichee cellular tower. To fully comply with the spirit of tower sharing policy, all those concerned would have used the existing Springwichee cellular tower, if feasible, or replaced it with a stronger structure. However, the Council did not have jurisdiction over the SBA tower that was constructed. This situation allows the circumvention of tower sharing policy and may encourage the very proliferation of towers that the Connecticut General Assembly sought to avoid. While this particular request is approved, please be advised that the Council may seek to refine its procedure to deal with this type of situation for the long term, and such approval should not be seen as setting a precedent for future requests.

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.

Julie M. Cashin, Esq.
Hurwitz & Sagarin LLC
March 31, 2000
Page 2

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 March 7, 2000.

Very truly yours,


Mortimer A. Gelston
Chairman

MAG/RKE/grg

- c: Honorable David C. Mischke, Mayor, Town of Plymouth
- Honorable Moira K. Lyons, Representative of the 146th District
- Honorable Robert M. Ward, Representative of the 86th District

HURWITZ & SAGARIN LLC

RECEIVED

MAR 16 2000

CONNECTICUT
SITING COUNCIL

March 15, 2000

Via Facsimile

Robert Erling
Staff Analyst
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

RE: Request of Sprint PCS for approval of the shared use of the
existing telecommunications facility located at 297 North Street,
Plymouth, Connecticut.

Dear Bob:

Attached please find the zoning permit issued by the Town of Plymouth for the above
referenced Tower Sharing Request on this SBA telecommunications tower.

Please call me if you have any questions.

Very truly yours,



JULIE M. CASHIN
JMC/dsw
Enc.

cc: Scott Allen

6D

SITE # 4275-008

FILE TYPE CON ST.

SECTION PERMIT.

TOWN OF PLYMOUTH, CONNECTICUT

ZONING PERMIT NO. 99-238

Fee Paid: \$ 100.00 # 077808

Date: Nov 10 19 99

Permission is hereby granted to SBA inc
to erect a Tele Com Tower on the west side of 297 North Street
as follows: Size ft. long, ft. wide, stories high; distance from
road center line ft; distance from each lot line: E ft.; W ft.; S ft.;
N ft.; for the use of the facility as a Tele - communication tower

* see site plan
* Per P+Z
approval 10/14/99

PLANNING AND ZONING COMMISSION, TOWN OF PLYMOUTH
CONNECTICUT

Ronald J. Morrill ★★
Agent of the Planning and Zoning Commission

The recipient of this permit accepts this permit on the condition that he, as owner or as representing the owner, agrees to comply with all applicable ordinances and regulations of the Town of Plymouth and the State of Connecticut regarding the use, occupancy and type of activity to be instituted. It is furthermore understood that the facility can not be used until a Certificate of Occupancy has been issued by the Planning and Zoning Commission and that any change of use similarly does require a new Certificate of Occupancy. Before a Certificate of Occupancy will be issued a plot plan drawn to a scale of 1" = 50' prepared and certified by a licensed engineer or land surveyor must be submitted to the Planning and Zoning Commission showing all boundaries of the line of any public or private right-of-way, sanitary facilities and water supply. This permit shall be valid for one year.

RECEIVED

MAR 16 2000

CONNECTICUT
SITING COUNCIL

HURWITZ & SAGARIN LLC

March 7, 2000

Via Hand Delivery

Mr. Mortimer A. Gelston, Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

RECEIVED

MAR -7 2000

CONNECTICUT
SITING COUNCIL

Dear Chairman Gelston:

On behalf of the applicant, Sprint Spectrum L.P. ("Sprint PCS") I am pleased to submit this Tower Sharing Proposal for the shared use of the existing SBA telecommunications facility located at 297 North Street, Plymouth, Connecticut.

Enclosed are one (1) original and twenty (20) copies of this Tower Sharing Proposal requesting shared use of this facility. A check in the amount of \$500.00 to cover the filing fee is also enclosed. The Mayor of the Town of Plymouth has been sent notice of this Tower Sharing Proposal by certified mail.

Sincerely,



JULIE M. CASHIN, ESQ.
JMC/dsw

Enclosures

cc: David C. Mischke, Mayor
Scott Allen, Sprint PCS

Request of Sprint PCS requesting approval for the shared use of the existing telecommunications facility located at 297 North Street, Plymouth, Connecticut.

RECEIVED

MAR - 7 2000

CONNECTICUT
SITING COUNCIL

Dated: March 7, 2000 in Milford, CT

Introduction

Sprint Spectrum, L.P. ("Sprint PCS") seeks to share a telecommunications tower located at 297 North Street, Plymouth, Connecticut ("Facility") and owned by SBA Inc. ("SBA") of 80 Eastern Boulevard, Glastonbury, Connecticut. Sprint submits this request for the shared use of the Facility as agent for SBA. Letter of authorization is attached hereto as Exhibit A. Sprint PCS hereby requests a finding from the Connecticut Siting Council ("Council") that the shared use of this Facility is technically, legally, environmentally and economically feasible and meets public safety concerns in accordance with Section 16-50aa of the Connecticut General Statutes ("C.G.S."), and an order approving the proposed shared use of the Facility.

Background

The subject site, owned by SBA, is located at 297 North Street, Plymouth, Connecticut (See location map attached as Exhibit B at Drawing 1). The site currently supports a 195 foot steel self-supporting monopole ("Existing Tower") and appurtenant equipment buildings.

Tower Sharing Proposal

The purpose of this Tower Sharing Proposal is to utilize an existing facility rather than to construct a new tower in the Town of Plymouth. This Facility is the most viable co-location opportunity for Sprint PCS in the area. Sprint PCS has entered into a lease agreement with SBA for placement of antennas and associated equipment.

A. Existing Tower as a "Facility"

For the purposes of this Tower Sharing Proposal and pursuant to Section 16-50aa of the Connecticut General Statutes, "... Facility means a tower owned or operated for a commercial or public purpose by a person, firm, corporation or a public agency which uses such tower for transmitting or receiving signals in the electromagnetic spectrum pursuant to a Federal Communications Commission license." The Existing Tower was built to support at least five telecommunications carriers. Sprint PCS will be the first of five carriers to locate on the Existing Tower.

B. Project Description

Sprint PCS is licensed by the Federal Communications Commission ("FCC") to provide PCS wireless service throughout the State of Connecticut, including the Plymouth area.

Sprint proposes to install as many as nine (9) antennas on the Existing Tower at an antenna centerline of 195 feet and a small global positioning system (GPS) antenna at an antenna height of 50 feet AGL. (See Tower Elevation attached hereto as Exhibit B at

Drawing C-3). A low profile platform with PCS antennas mounted on it will be attached to the Existing Tower with an antenna rad center of 195 feet. Sprint PCS proposes to use nine (9) panel antennas measuring approximately 60 inches high by 6 inches wide by 2.75 inches deep. The base station equipment associated with these antennas would be located near the base of the Existing Tower.

C. Compliance with C.G.S. § 16-50aa

Pursuant to C.G.S. § 16-50aa, “The General Assembly finds that the sharing of towers for fair consideration whenever technically, legally, environmentally and economically feasible, and whenever such sharing meets public safety concerns, will avoid the unnecessary proliferation of towers and is in the public interest.” A discussion of how the proposed co-location by Sprint PCS will be in conformance with C.G.S. § 16-50aa is outlined below:

1. Technical Analysis

Sprint PCS has reviewed the technical parameters of the existing communications facilities and determined it is extremely unlikely that the proposed Sprint PCS antennas will result in interference, due to the sectorized positioning of the antenna, vertical separation, and low power. Sprint PCS does not intend to cause interference, and will correct any interference in the unlikely event that it does occur.

The Existing Tower was designed to accommodate multiple carriers. An engineering letter dated March 3, 2000 evidencing the structural capability of the Existing Tower to accommodate the proposed Sprint installation is attached hereto as Exhibit C. As indicated in the letter, the Existing Tower is capable of supporting the installation proposed by Sprint PCS.

2. *Legal Feasibility*

Sprint PCS has entered into a lease agreement with SBA for the purposes of locating antenna on the Existing Tower and associated equipment adjacent to the base of the Existing Tower. The Council has the authority pursuant to C.G.S. §16-50aa to issue orders approving the proposed shared use of the Facility by Sprint PCS.

3. *Environmental Feasibility*

The proposed shared use would have a minimal environmental effect for the following reasons:

- This proposed shared use will not increase the height of the Existing Tower.
- This proposed shared use will not expand the compound area beyond that already approved by the Town of Plymouth.
- The proposed installations by Sprint PCS will have an insignificant visual impact and will not cause any significant change or alteration in the physical or environmental characteristics of the Site.
- This proposed shared use will not increase noise levels at the Facility site boundary by six decibels.
- This proposed shared use, including operation of the Sprint PCS antennas, will not increase the total radio frequency electromagnetic radiation of the power density measured at the site to or above the standard adopted by the Federal Communications Commission. The engineering exhibit attached as Exhibit D evidences the worst-case power density for the proposed installation, calculated at the base of the Existing Tower, is 0.034917

mW/cm² and the MPE is 3.4917%, which is only 1/28 of the maximum permissible exposure based on the NCRP standard. These calculations show that Sprint PCS will be well below the FCC-mandated limits in all locations around the Existing Tower, even with extremely conservative assumptions.

- The proposed installations by Sprint PCS will not require any water or sanitary facilities, or generate air emissions or discharges to water bodies.

After construction is complete, the proposed Sprint PCS installation will not generate any traffic other than periodic maintenance visits.

The proposed installation would have a de minimis visual impact, and would not cause any significant change or alteration in the physical or environmental characteristics of the existing facility. The proposed shared use of the Existing Tower by Sprint PCS is thus environmentally feasible.

4. *Economic Feasibility*

As previously mentioned, Sprint PCS and SBA have agreed upon acceptable terms and entered into a lease agreement with one another. The proposed shared use of the Facility is therefore economically feasible.

5. *Public Safety Concerns*

There are no known public safety concerns associated with this Tower Sharing Proposal. As stated above, the Existing Tower will be structurally capable of supporting the Sprint PCS antennas. Sprint PCS anticipates that the provision of new or improved phone service made possible by the shared use of the Facility will enhance the safety and welfare of area residents.

Conclusions

The above Tower Sharing Proposal satisfies all of the criteria set forth in Section 16-50aa of the Connecticut General Statutes, including technical, legal, environmental and economic feasibility, and meets public safety concerns. Sprint PCS respectfully requests that the Council issue an order approving the proposed shared use.

EXHIBIT A

LETTER OF AUTHORIZATION

Municipality:

Tax Assessor's Parcel Number:

Re.: Building Permits and Land Use Approvals

SBA INC, the Landlord/Owner of 297 North Street Plymouth Ct.
(the "Property") does hereby appoint Sprint Spectrum, L.P. ("Sprint") and its agents and
representatives as Owner's Agent for the purpose of completing, executing, and/or filing
any application, form, map, approval, variance, special permit or other land use approval
or building permit ("Approvals") required to provide Sprint with lawful access to, and the
ability to use the Property for the purpose of installing, erecting, or otherwise placing
antennae, support structures and related equipment on the Property. Owner shall fully
cooperate with Sprint and its agents and representatives in obtaining any required
Approvals. Sprint shall be responsible for all costs, filing fees, or any expense incurred in
connection with securing any approvals.

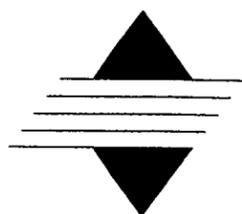
Landlord/Owner: SBA INC

By: [Signature]

Name: JOHN R. JACCHINI

Its: CONSTRUCTION MANAGER

Date: 3/6/00



Sprint PCS

WIRELESS COMMUNICATIONS FACILITY SITE No.: CT33XC604 THOMASTON 297 NORTH STREET PLYMOUTH, CONNECTICUT 06782

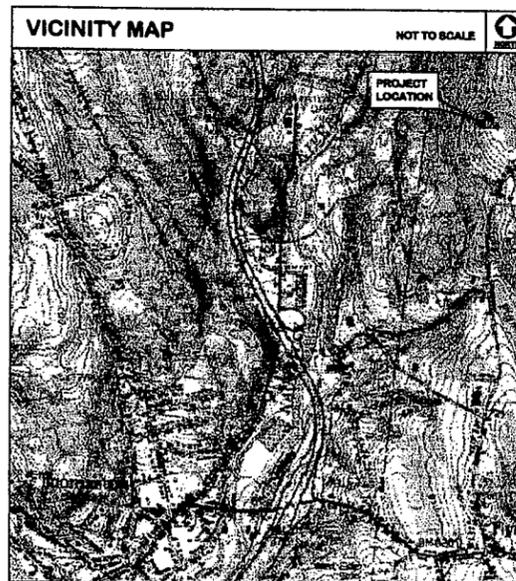
ZONING REQUIREMENTS		
ZONE R (RESIDENCE DISTRICT)		
MIN. DISTANCE FROM RESIDENCE	200'	213'±
FRONT YARD SETBACK (TOWER HT. + 20 FEET)	215'	156' (1)
SIDE YARD SETBACK (TOWER HT. + 20 FEET)	215'	>215'
REAR YARD SETBACK (TOWER HT. + 20 FEET)	215'	>215'

NOTES
 (1) EXISTING CONDITION

PROJECT SUMMARY	
SITE NAME:	THOMASTON
SITE NUMBER:	CT33XC604
SITE ADDRESS:	297 NORTH STREET PLYMOUTH, CONNECTICUT 06782
SITE OWNER:	SBA, INC. 80 EASTERN BLVD. GLASTONBURY, CT 06033 (860) 659-9101
PROPERTY OWNER:	RAYMOND AND BRENDA LAGOSZ & FANCIS AND BARBARA BART 19 CRESCENT STREET TERRYVILLE, CONNECTICUT 06786
TENANT:	SPRINT SPECTRUM LP 9 BARNES INDUSTRIAL ROAD WALLINGFORD, CT 06492 (203) 294-5600
CENTER OF TOWER:	LATITUDE: 41° 41' 35.95" LONGITUDE: 73° 03' 13.36" GROUND ELEVATION @ TOWER: 820'±

GENERAL NOTES	
1.	PROPOSED ANTENNA AND MOUNTING PLATFORM ELEVATIONS WERE PROVIDED BY SPRINT PCS. EXISTING PLATFORM HEIGHT INFORMATION PROVIDED BY THE SITE OWNER.
2.	COMPOUND LAYOUT IS BASED ON INFORMATION OBTAINED IN FROM DRAWING C-3 DATED 10/28/99 BY ERDMAN ANTHONY CONSULTING ENGINEERS FOR SBA, INC.
3.	UNDERGROUND UTILITY LOCATIONS ARE SCHEMATIC AND ARE BASED ON INFORMATION OBTAINED IN FROM DRAWING E-1 DATED 10/28/99 BY ERDMAN ANTHONY CONSULTING ENGINEERS FOR SBA, INC.
4.	ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF SPECIFICATIONS NO. G-001, "TECHNICAL SPECIFICATIONS FOR CONSTRUCTION" AND G-002, "TECHNICAL SPECIFICATIONS FOR CONSTRUCTION OF ELECTRICAL AND GROUNDING SYSTEM". IN CASE OF A CONFLICT BETWEEN THE CONSTRUCTION SPECIFICATIONS AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN. IN CASE OF A CONFLICT BETWEEN SSCP STANDARD PRACTICES AND EITHER THE CONSTRUCTION SPECIFICATIONS OR THE DRAWINGS, THE SSCP STANDARD PRACTICES SHALL GOVERN.
5.	FOR ADDITIONAL NOTES AND DETAILS REFER TO THE ACCOMPANYING DRAWINGS.

SITE DIRECTIONS	
FROM WALLINGFORD, CONNECTICUT	
- TAKE I-91 NORTH TO I-691 WEST - MERGE ONTO I-84 WEST TO ROUTE-8 - TAKE ROUTE-8 NORTH TO EXIT 39 - TAKE RIGHT ONTO EAST MAIN STREET APPROX. 1/3 MILE TO PLYMOUTH CENTER - TAKE LEFT ONTO NORTH STREET - SITE IS ON LEFT APPROX. 1.5 MILES	



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

SHEET INDEX		
SHT. NO.	DESCRIPTION	REV.
T-1	TITLE SHEET	0
C-1	SITE PLAN	0
C-2	PARTIAL SITE PLAN AND NOTES	0
C-3	COMPOUND PLAN, ELEVATION AND DETAILS	0

Natcomm, L.L.C.
 63-2 North Branford Road
 Branford, Connecticut 06405
 Tel. (203) 488-0580
 Fax (203) 488-8587
 Consulting Engineers - Project Management
 Site Acquisition - Communications Installations

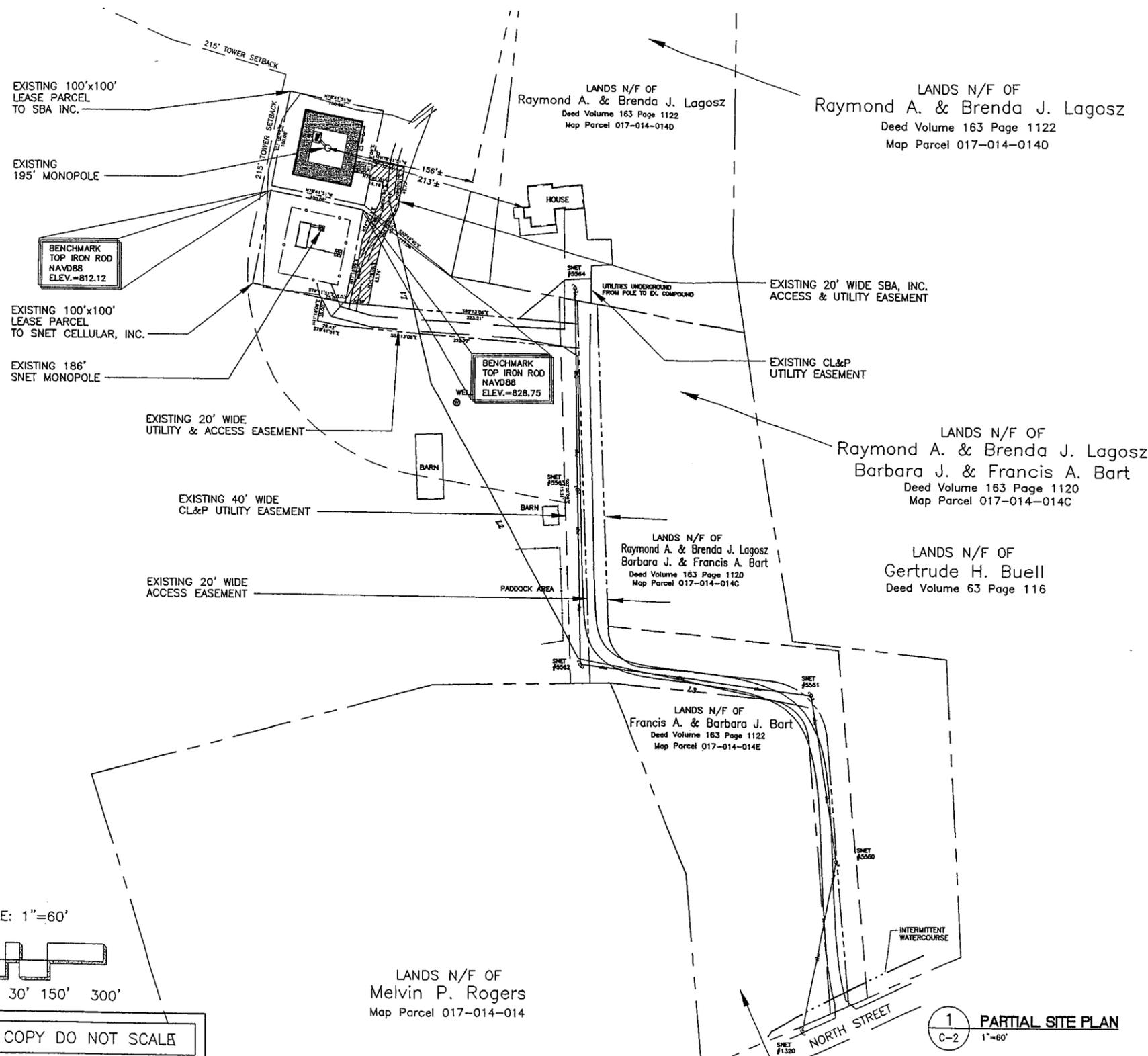
THOMASTON
 297 NORTH STREET
 PLYMOUTH, CONNECTICUT 06782
 SITE NO.: CT33XC604

Sprint Spectrum LP
 9 Barnes Industrial Road
 Wallingford, CT 06492

NO.	DATE	REVISIONS	BY	CHK	APPV.
△	03/01/00	ISSUED FOR ZONING	JBA	CFC	CFC
DRAWN BY: JBA CHECKED BY: CFC SCALE: AS NOTED DATE: 03/01/00					

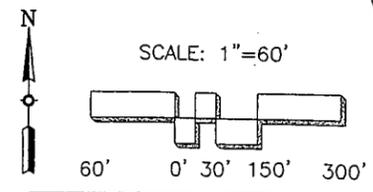
STATE OF CONNECTICUT
 PROFESSIONAL ENGINEER
 License No. 16684
 Sprint Spectrum LP
 TITLE SHEET

JOB NO.	DRAWING NUMBER	REV.
131A	T-1	0



- EXCAVATION AND GRADING NOTES**
1. All excavations on which concrete is to be placed shall be substantially horizontal on undisturbed and untraced soil and be free from loose material and excess groundwater. Dewatering for excess groundwater shall be provided if required.
 2. Concrete foundations shall not be placed on organic materials. If sound soil is not reached at the designated excavation depth, the unsatisfactory soil shall be excavated to its full depth and either be replaced with mechanically compacted granular material or the excavation be filled with concrete of the same quality specified for the foundation.
 3. Any excavation over the required depth shall be filled with either mechanically compacted granular material or concrete of the same quality specified for the foundation. Coarse stone may be used to stabilize the bottom of the excavation. Slags, if used, shall not be used as compaction concrete thickness.
 4. After completion of the foundation and other construction below grade, and before backfilling, all excavations shall be clean of unsuitable material such as vegetation, trash, debris and so forth.
 5. Backfilling shall:
 - Use approved materials consisting of earth, loam, sandy clay, sand and gravel, or soft shale;
 - Be free from clods or stones over 2 1/2" maximum dimensions;
 - Be placed in 6" layers and compacted to 95% areas, where 90% standard proctor is required except in grasses/landscaped.
 6. Fill preparation: Remove all vegetation, loose soil, wet and unsatisfactory soil materials, obstructions, and deleterious materials from ground surface prior to placing fills, strip, or break up sloped surfaces steeper than 1 vertical to 4 horizontal so fill material will bond with existing surface when subgrade or existing ground surface to receive fill has a density less than that required for fill, break up ground surface to depth required, pulverize, moisture-condition or aerate soil and recompact to required density.
 7. Protect existing gravel surfacing and subgrade in areas where equipment loads will operate. Use planking or other suitable materials designed to spread equipment loads, repair damage to existing gravel surfacing or subgrade where such damage is due to contractor's operations. Damaged gravel surfacing shall be restored to match the adjacent undamaged gravel surfacing and shall be of the same thickness.
 8. Replace existing gravel surfacing on areas from which gravel surfacing is removed during construction operations, gravel surfacing shall be replaced to match existing adjacent gravel surfacing and shall be of the same thickness. Surface of gravel surfacing shall be free from corrugations and waves. Existing gravel surfacing may be excavated separately and reused if in excess amounts of earth, organic matter, or other deleterious materials are removed prior to reuse. Furnish all additional gravel surfacing material as required. Before gravel surfacing is replaced, subgrade shall be graded to conform to required subgrade elevations, and loose or disturbed materials shall be thoroughly compacted. Depressions in the subgrade shall be filled and compacted with approved selected material. Gravel surfacing to engineer's approval.
 9. Damage to existing structures and utilities resulting from contractor's negligence shall be repaired/replaced to owner's satisfaction at contractor's expense.
 10. Contractor shall coordinate the construction schedule with property owner so as to avoid interruptions to property owner's operations.
 11. Ensure positive drainage during and after completion of construction.
 12. All cut and fill slopes shall be 3:1 maximum, unless otherwise noted.
 13. Remove all organics, rocks greater than 3", unused fill and other debris to an area off site in a legal manner.

- EROSION & SEDIMENT CONTROL NARRATIVE**
1. Additional erosion control measures will be employed where determined necessary by actual site conditions.
 2. Prior to commencing land disturbance activity, the limits of land disturbance shall be clearly and accurately demarcated with stakes, ribbons, or other appropriate means.
 3. The construction of the site will initiate with the installation of erosion control measures sufficient to control sediment deposits and erosion. Contractor shall call local municipal representative for an inspection of soil erosion control measures prior to beginning grading activity. All sediment control will be maintained until all upstream ground within the construction area has been completely stabilized.
 4. The location of some of the erosion control devices may have to be altered from that shown on the plans if drainage patterns during construction differ from the final proposed drainage patterns. Any difficulty in controlling erosion during any phase of construction shall be reported to the engineer immediately.
 5. Erosion control measures will be maintained at all times. If full implementation of the approved plan does not provide for elective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source.
 6. The contractor shall remove accumulated silt when the silt is within 12" of the top of the silt fence.
 7. Failure to install, operate or maintain all erosion control measures will result in all construction being stopped on the job site until such measures are corrected.
 8. Silt barriers to be placed at downstream toe of all cut and fill slopes.
 9. Any disturbed areas left exposed for a period greater than 7 days shall be stabilized with seeding.
 10. Seeding: Seedbed preparation: Area to be seeded shall be loose and friable to a depth of at least 3". The top layer shall be loosened by raking, disking or other acceptable means before seeding occurs. In lieu of soil test results apply 50 lbs. of dolomitic limestone and 25 lbs. of 10-10-10 fertilizer per 1,000 sq. ft. Harrow or disk time and fertilizer into the soil to a depth of at least 3" on slopes flatter than 3:1. Seeding: Apply 50 lbs per acre of common bermuda & winter rye. Apply seed uniformly with a cyclone seeded drill cultipacker seeder or hydroseeder (slurry includes seeds and fertilizer recommended on steep slopes only) on a moist, firm seedbed. Maximum seed depth should be 1/2" in clay soils and 3/4" in sandy soils when using other than the hydroseeder method. Irrigate until vegetation is firmly established if soil moisture is not sufficient to support adequate growth.
 11. Contractor shall remove all erosion & sediment control measures after completion or construction and establishment of permanent ground cover.
 12. The escape of sediment from the site shall be prevented by the installation of erosion control measures and practices prior to, or concurrent with, land-disturbing activities.
 13. All cut and fill slopes must be surface roughened and vegetated within seven (7) days of their construction.
 14. Control measures will be checked daily and any deficiencies noted will be corrected by the end of each day additional erosion and sediment control measures will be installed if deemed necessary after on-site inspection by the issuing authority.
 15. The only materials to be buried on-site is vegetative material. Construction waste may neither be burned nor buried and must be taken to a state approved landfill.



REDUCED COPY DO NOT SCALE

1 PARTIAL SITE PLAN
C-2 1"=60'

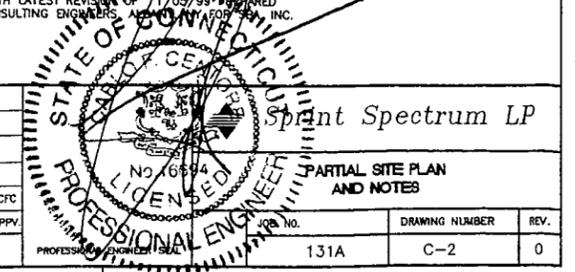
NOTE: SURVEY INFORMATION TAKEN FROM "PLYMOUTH COMMUNICATIONS FACILITY, 297 NORTH STREET, PLYMOUTH, CONNECTICUT DRAWINGS C-2 AND C-3 DATED 10/28/98 WITH LATEST REVISION OF 11/05/99" PREPARED BY ERDMAN ANTHONY CONSULTING ENGINEERS, INC.

Natcomm, L.L.C.
63-2 North Branford Road
Branford, Connecticut 06405
Tel. (203) 488-0580
Fax (203) 488-8587
Consulting Engineers - Project Management
Site Acquisition - Communications Installations

THOMASTON
297 NORTH STREET
PLYMOUTH, CONNECTICUT 06782
SITE NO.: CT33XC804

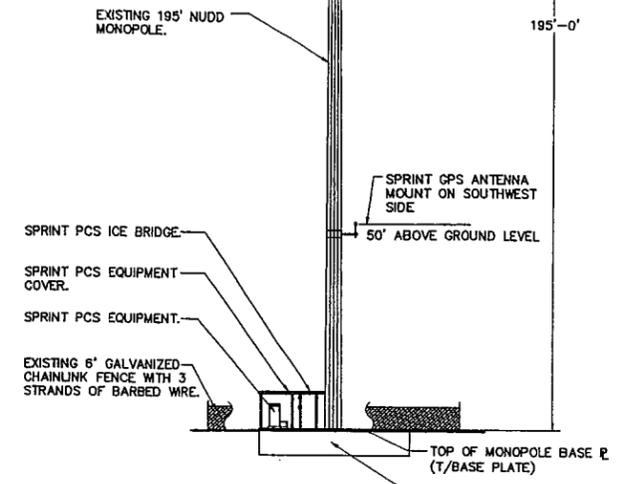
Sprint Spectrum LP
9 Barnes Industrial Road
Wallingford, CT 06492

NO.	DATE	REVISIONS	BY	CHK	APPV
1	03/01/00	ISSUED FOR ZONING	JBA	CFC	CFC
DRAWN BY: JBA			CHECKED BY: CFC		SCALE: AS NOTED
DATE: 03/01/00			DATE: 03/01/00		PROFESSIONAL ENGINEER
DRAWING NUMBER: 131A			C-2		REV: 0



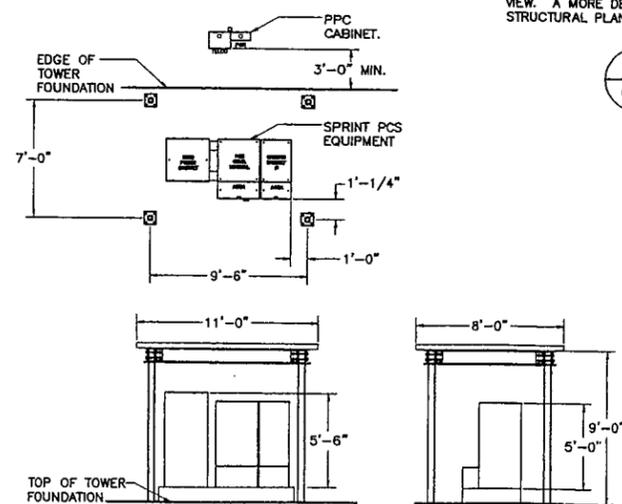
PROPOSED RAD CENTER FOR SPRINT PCS ANTENNAS.

195'± ABOVE T/BASE PLATE	
PROPOSED RAD CENTER FOR FUTURE ANTENNAS.	10'-0"
185'± ABOVE T/BASE PLATE	
PROPOSED RAD CENTER FOR FUTURE ANTENNAS.	10'-0"
175'± ABOVE T/BASE PLATE	
PROPOSED RAD CENTER FOR FUTURE ANTENNAS.	10'-0"
165'± ABOVE T/BASE PLATE	
PROPOSED RAD CENTER FOR FUTURE ANTENNAS.	10'-0"
155'± ABOVE T/BASE PLATE	

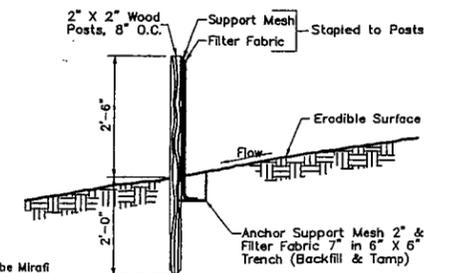


NOTES:
 A. THE TOWER & TOWER FOUNDATION SHALL BE DESIGNED, SIGNED & SEALED BY A STRUCTURAL ENGINEER, LICENSED IN THE STATE OF CONNECTICUT.
 B. THE TOWER SHOWN HERE IS JUST A CONCEPTUAL VIEW. A MORE DETAILED VIEW IS PROVIDED IN THE STRUCTURAL PLANS PROVIDED BY OTHERS.

4 TOWER ELEVATION
 C-3 1"=20'

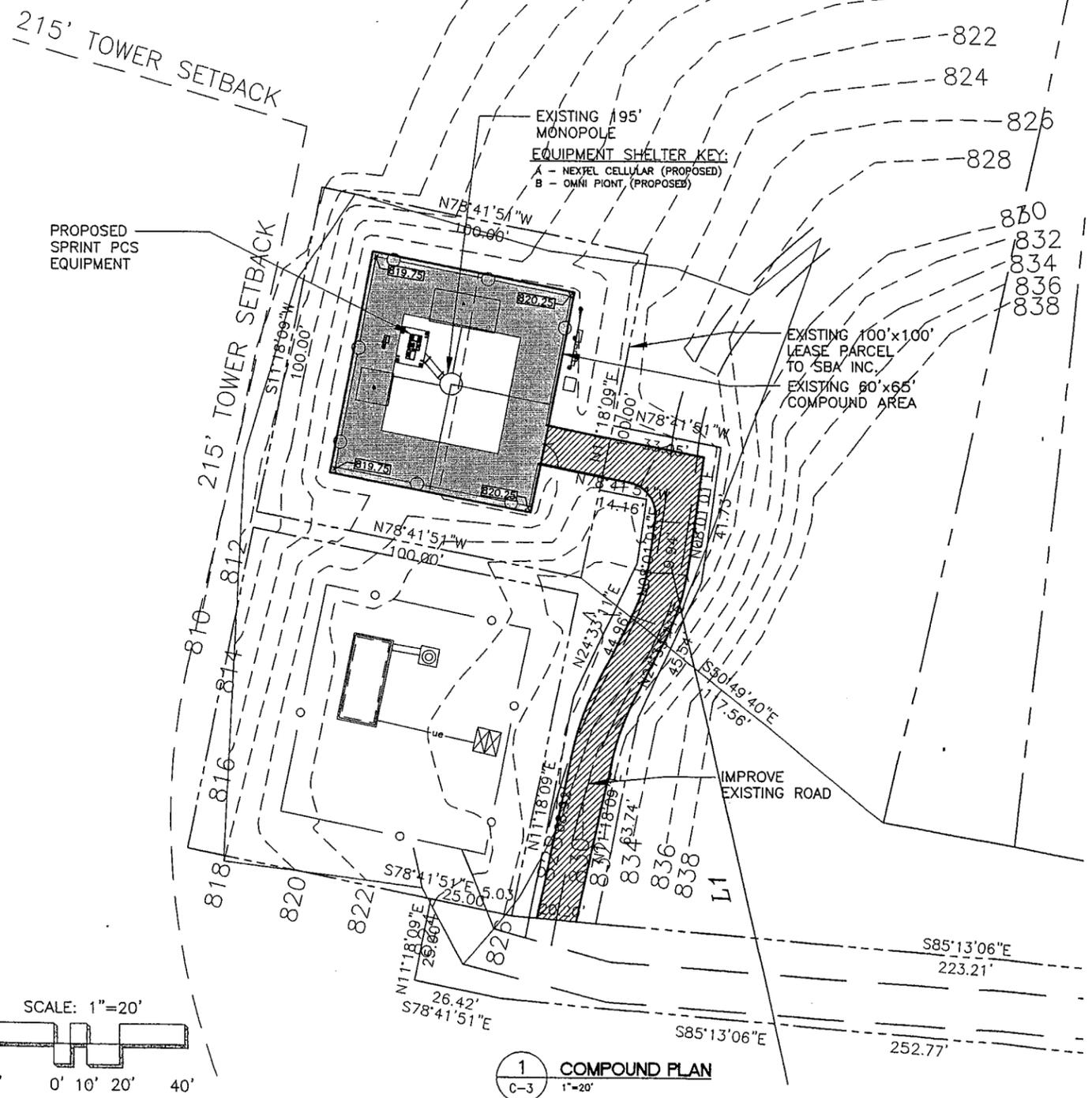


2 SPRINT SCP EQUIPMENT DETAILS
 C-3 NOT TO SCALE

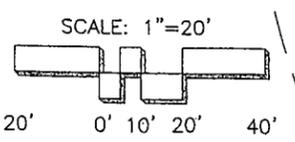


NOTE:
 Silt Fence to be Miraf Envirofence or Equal

3 SILT FENCE DETAIL
 C-3 NOT TO SCALE



1 COMPOUND PLAN
 C-3 1"=20'



REDUCED COPY DO NOT SCALE

Natcomm, L.L.C.
 63-2 North Branford Road
 Branford, Connecticut 06405
 Tel. (203) 488-0380
 Fax (203) 488-8587
 Consulting Engineers - Project Management
 Site Acquisition - Communications Installations

THOMASTON
 297 NORTH STREET
 PLYMOUTH, CONNECTICUT 06782
 SITE NO.: CT33XC604

Sprint Spectrum LP
 9 Barnes Industrial Road
 Wallingford, CT 06492

NO.	DATE	REVISIONS	BY	CHK	APPY.
03/01/00		ISSUED FOR ZONING	JBA	CFC	CFC
DRAWN BY: JBA		CHECKED BY: CFC	SCALE: AS NOTED	DATE: 03/01/00	

STATE OF CONNECTICUT
 PROFESSIONAL ENGINEER
 No. 18654
 JAMES B. JARVIS
 SPRINT SPECTRUM LP
 COMPOUND PLAN, ELEVATION AND NOTES
 DRAWING NUMBER: 131A
 REV: C-3
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FRED A. NUDD CORPORATION

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March 3, 2000

Randy Freschlin
SBA INC.
80 Eastern Blvd.
Glastonbury, CT 06033
Phone: (860) 659-9101
Fax: (860) 659-9140

Re: 195' MJ-180 Monopole, SBA Site #: 4275-008 Plymouth 2, Litchfield County, CT

Dear Mr. Freschlin,

We design our towers according to the latest version of the applicable tower code (TIA/EIA-222-F), steel construction code (American Institute of Steel Construction ASD), and concrete design code (American Concrete Institute ACI 318). All recommended factors of safety are met or exceeded. Nudd towers will not fail unless the design windspeeds are greatly exceeded.

195' MJ-180 Heavy Series Monopole was designed for the SBA Plymouth 2 tower site to carry 5 levels of (12) 6' panel antennas from the top down with 10' vertical separation, and to withstand 80 mph wind speed recommended in TIA/EIA-222-F standard for Litchfield County, CT.

The DB896 antenna used in the design is a decibel product of Allen Telecom Inc. with a lateral wind load of 248 lbf at 100 mph. Typical Sprint antenna is DAPA 48000 with a lateral wind load of 109 lbf at 100 mph. Therefore, placing of 6, 12 or even 18 DAPA 48000 antennas at any elevation on this monopole is completely safe and acceptable. In fact, this monopole is structurally capable of carrying as many as 17 levels of (12) DAPA 48000 antennas from the top of the tower down to the bottom with 10' vertical separation.

Should you have any additional questions regarding this issue, please do not hesitate to contact me.

Sincerely,

Ed Rozenblyum
Engineering

EXHIBIT D

Plymouth CT33XC604 (SBA)

Worst Case Power Density Analysis of Sprint PCS Antennas @ Base of Tower. Assumes Max ERP & No Antenna Pattern Adjustment

Operating Frequency (MHz)	Number of Trans.	Effective Radiated Power (ERP) Per Transmitter (Watts)	Total ERP (Watts)	Antenna Height (Feet)	Distance From Base of Tower (Feet)	Calculated Power Density (mW/cm ²)	Maximum Permissible Exposure*	%MPE
1962.5	11	355	3905	195	0	0.034917	1	3.4917%
1962.5	11	355	3905	195	50	0.032762	1	3.2762%
1962.5	11	355	3905	195	100	0.027646	1	2.7646%
1962.5	11	355	3905	195	150	0.021936	1	2.1936%
1962.5	11	355	3905	195	200	0.017016	1	1.7016%
1962.5	11	355	3905	195	250	0.013208	1	1.3208%
1962.5	11	355	3905	195	300	0.010371	1	1.0371%
1962.5	11	355	3905	195	350	0.008271	1	0.8271%
1962.5	11	355	3905	195	400	0.006705	1	0.6705%
1962.5	11	355	3905	195	450	0.005520	1	0.5520%
1962.5	11	355	3905	195	500	0.004610	1	0.4610%

*Requirements set forth in OET Bulletin 65. Based on NCRP Report No. 86 and ANSI/IEEE C95.1-1992