

December 14, 2004

Ms. Pamela Katz, Chairman  
Connecticut Siting Council  
10 Franklin Square  
New Britain, Connecticut. 06051

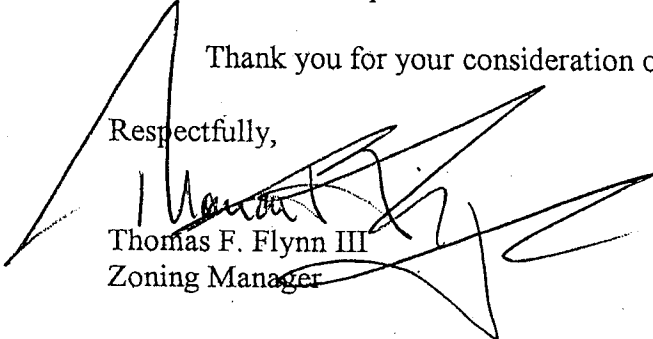
Dear Ms. Katz,

Nextel Communications (Nextel) respectfully submits the attached Petition for a Declaratory Ruling (Petition) to the Connecticut Siting Council for its consideration. Nextel seeks a determination from the Council that a Certificate of Environmental Compatibility and Public Need is not required for the proposed modification to a Connecticut Light & Power Company (CL&P) electric transmission facility at 145 Beebe Hill Road, tower # 2010 in Canaan, Connecticut.

The proposed modification would allow Nextel to use this existing structure and would eliminate the potential need construct a new telecommunications tower to serve the area. The proposed modification is similar to others the Council has previously approved and would further support the Council's long term goal of co-locating telecommunications facilities on existing structures wherever possible.

Thank you for your consideration of this matter.

Respectfully,



Thomas F. Flynn III  
Zoning Manager

Cc: Lou Timolat, First Selectman  
Town of Canaan

Petition of Nextel Communications Inc. for  
A Declaratory Ruling that a Modification of  
Connecticut Light & Power's Pole Structure  
# 2010, Part of Connecticut Light & Power's      PETITION #  
Electric Transmission Lines  
in the Town of Canaan, Connecticut,  
will not have an Significant  
Adverse Environmental Effect and Therefore,  
will not Require a Certificate of Environmental  
Compatibility and Public Need.

## INTRODUCTION

Nextel Communications Inc. (Nextel) hereby petitions the Connecticut Siting Council (Council) for a determination that a Certificate of Environmental Compatibility and Public Need (Certificate) pursuant to Connecticut General Statutes Section 16-50g et seq. is not required for the modification of the Connecticut Light & Power (CL&P) electric transmission facility described herein. The proposed modification involves the installation of a 6 antennas on a 19' pole extension and the location of Nextel's associated equipment and improvements entirely within the existing CL&P property and that no Certificate is required because the proposed modification will not have a substantial adverse environmental effect.

Nextel has received authorization from CL&P for this proposed project. Nextel is licensed by the FCC to provide wireless telecommunications services to the State of Connecticut. The proposed modification is similar to projects previously considered and approved by the Council and will be used into enhance and improve coverage in the general area.

## PROJECT DESCRIPTION

Nextel proposes to install a 19 foot tower extension on top of the existing 85 foot CL&P tower, Tower # 2010 with 6 antennae mounted on the pole extension at the 95 and 101 foot centerlines. The tower is approximately 40 feet east of Beebe Hill Road in Canaan, Connecticut. (Lat. 41 56 57) and Long. 72-21-36, GE is approximately 760'). See Attachments A & B.

As part of Nextel's application process to CL&P, URS Corporation performed an analysis of the existing tower structure. It has been determined that the tower structure is capable of supporting to proposed modification. See Attachment C.

Nextel's access to Tower Structure # 2010 will be via a gravel driveway located within the CL&P easement from Beebe Hill Road. No clearing along the driveway will be necessary.

A 12 by 20 foot pre-fabricated equipment shelter will be used to house Nextel's radio equipment and it will be located on the CL&P easement at the base of tower. All utilities will be brought to the site by underground distribution from a utility pole on Beebe Hill Road .

### SURROUNDING LAND USE

The proposed project is located along Beebe Hill Road. There is one transmission line that runs through a combination of CL&P ROW and fee owned properties. This is a series of monopole style transmission towers that parallel and cross Route 7 and Beebe Hill Road. The area is zoned RR (rural residential) and is surrounded open space and residential uses.

In the site search area there are no other structures of sufficient height, except similar utility structures, and ground elevation that would be an acceptable substitute.

### PROPOSED COVERAGE AND SERVICE AREA

The proposed telecommunications facility will be used to provide increased coverage and added capacity in Canaan along a very heavily traveled Route 7, Routes 126 and 63 and in the surrounding residential area of the town.

### ENVIRONMENTAL EFFECTS

Although the proposed modification would extend above the height of the existing tower structure, this height increase would not cause a significant adverse environmental effect. The tower extension would still be in proportion with the existing tower structure and the proposed use is consistent with the existing utility and telecommunications use of the tower and surrounding property. Moreover, if approved, the tower extension on the existing tower structure would eliminate the need to construct a new tower in the area to provide the same or similar coverage.

The limits of the disturbance of all construction activities will be confined to every extent possible. Erosion and sedimentation control measures shall be installed, when necessary, and in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control (Revised 1988) and Amendments, as published by the Connecticut Council on Soil and Water Conservation.

## POWER DENSITY ANALYSIS

Radio frequency electromagnetic power density (power density) at the site would be well below applicable State and Federal Standards. A "worst case" calculation for a point at the base of Tower Structure #2010 indicates that Nextel's operations would result in a power density of 5.8494% of the current applicable standard. ( See Attachment D).

## CONCLUSION

Efforts have been made to develop a facility that is in harmony with the existing utility land use, minimizes potential environmental effects, and provide Nextel with needed coverage. If the Council determines that no Certificate is required for the proposed modification, Nextel will be able to avoid the possibility of constructing a new tower in the area. Additionally, by proposing the project in an area that has previously been disturbed, clearing and site preparation will be minimized.

The proposed project is consistent with the Council's legislative purpose, under C.G.S. Section 16-50g, of balancing the need for providing adequate and reliable services at the lowest reasonable cost with the need to protect the environment and ecology of the State and to minimize the damage to scenic, historic and recreational values. The proposed modification also furthers the Council's additional legislative mandate and long time goal of promoting the sharing of tower structures wherever technically, legally, environmentally and economically feasible to avoid the unnecessary proliferation of towers in the State.

CGS Sec. 16-50k(a) provides that a certificate is not required for a proposed modification of a facility if the Council finds that the modification would not have a substantial adverse environmental effect. As described herein, the proposed modification would not have a significant adverse environmental effect. Therefore, Nextel respectfully requests that the Council make a determination that the proposed modifications would not have a significant adverse environmental effect and therefore no Certificate would be required.

# NEXTEL COMMUNICATIONS OF THE MID-ATLANTIC INC

DBA NEXTEL COMMUNICATIONS  
CT-3667A CANAAN

INC. 1998  
NEXTEL COMMUNICATIONS  
795 BROOK STREET, BLDG 5  
ROCKY HILL, CONNECTICUT  
1-800-539-8887

NEXTEL

PROJECT NUMBER: 000000  
SHEET NO.: 1  
DATE: 11/28/04

NO.	DESCRIPTION	DATE
1	DESIGN	11/28/04

APPROVALS

CONSTRUCTION: \_\_\_\_\_ DATE: \_\_\_\_\_  
 LAYING: \_\_\_\_\_ DATE: \_\_\_\_\_  
 WORK: \_\_\_\_\_ DATE: \_\_\_\_\_  
 NETWORK: \_\_\_\_\_ DATE: \_\_\_\_\_  
 OWNER: \_\_\_\_\_ DATE: \_\_\_\_\_

CT-3667A  
CANAN  
145 REEBE HILL ROAD  
FALLS VILLAGE, CT  
06031

NEXTEL COMMUNICATIONS  
OF THE MID-ATLANTIC, INC  
100 CORPORATE PLAZA  
ROCKY HILL, CT 06031  
OFFICE: (800) 539-8887  
FAX: (800) 513-5442  
SHEET NO.

TITLE SHEET -  
GENERAL NOTES  
AND LEGEND

T-1

**SHEET INDEX**

NO.	DESCRIPTION	BY	DATE
1-1	TITLE SHEET - GENERAL NOTES AND LEGEND	A	11/28/04
2-1	CONTRACT	A	11/28/04
3-1	CONTRACT	A	11/28/04
4-1	CONTRACT	A	11/28/04

**APPROVALS**

DRIVER	DATE
NEXTEL P.T. CORP.	DATE
NEXTEL CONSTRUCTION	DATE
NEXTEL WRT. APPROVAL	DATE
NEXTEL FIELD OPERATIONS	DATE
ORDERLY TIMING	DATE

THE ABOVE NAMES MUST APPROVE AND SIGN OFF ON THIS SHEET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION TO PROCEED WITH THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES AND AGENCIES TO THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES AND AGENCIES TO THE PROJECT.

**PROJECT INDEX**

PROJECT NUMBER: CT-3667A  
 SITE NAME: 145 REEBE HILL ROAD  
 SITE ADDRESS: FALLS VILLAGE, CT 06031  
 APPLICANT: NEXTEL COMMUNICATIONS OF THE MID-ATLANTIC, INC  
 PROJECT OWNER: NEXTEL COMMUNICATIONS OF THE MID-ATLANTIC, INC  
 PROPERTY OWNER: CARL AND MARIANNE BARKER  
 SITE CONTACT: ROBERT GUY - NORTHCAST UTILITIES (800) 844-3115

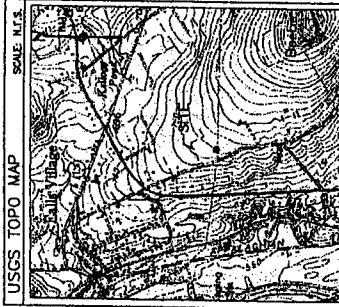
ADJACENT: TOWN OF FALLS VILLAGE  
 ZONING DISTRICT: R1 (RESIDENTIAL SINGLE RESIDENCE DISTRICT)  
 PARCEL # 7: 073-2108-0017  
 SPOTS MAP: SOUTH CANAAN 0410793  
 COUNTY: LEDFELDS  
 LATITUDE: 41°-56'-32.30"  
 LONGITUDE: 72°-31'-23.80"  
 DECLINATION: -1° 13'  
 ORIGINAL ELEVATION: 787 ABL ELEVATION (M TSD)

**PROJECT CONTACTS**

PROJECT MANAGER: JASON SPANIO  
 PROJECT ENGINEER: JASON SPANIO  
 FIELD CONTACT: BILL WICK  
 WEBSITE: WWW.NEXTEL.COM

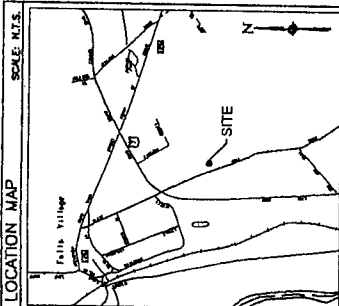
**PROJECT DESCRIPTION**

THE SCOPE OF THIS PROJECT INCLUDES THE INSTALLATION OF AN UNMOUNTED MULTIPLE COMMUNICATIONS CONDUIT RAILWAY TO TRANSMIT MULTIPLE COMMUNICATIONS SIGNALS TO TRANSMISSION POLE TOWER.



**CODE REFERENCES**

CONSTRUCTION	MARKING CODE
CONCRETE	1000
STEEL	2000
WOOD	3000
ASPHALT	4000
GRAVEL	5000
GRAVEL	6000
GRAVEL	7000
GRAVEL	8000
GRAVEL	9000
GRAVEL	0000



**SITE DIRECTIONS**

FROM THE INTERSECTION OF ROUTE 222 AND ROUTE 100, TRAVEL SOUTH ON ROUTE 100 TO THE FIRST LIGHT RAIL CROSSING. TURN LEFT ONTO FALLS VILLAGE ROAD. THE SITE IS ON THE LEFT.

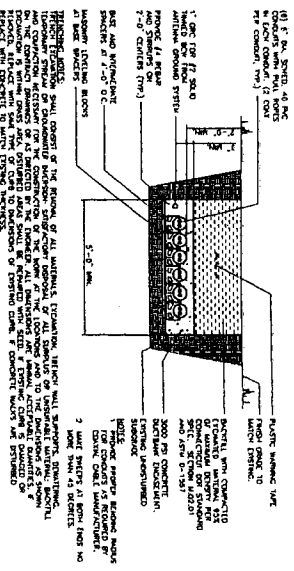
THIS IS THE FINAL SHEET OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION TO PROCEED WITH THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES AND AGENCIES TO THE PROJECT.

**SOIL EROSION AND CONTROL NOTES**

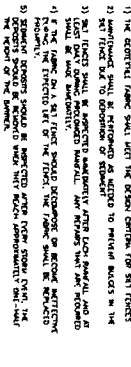
- 1) THE EROSION CONTROL MEASURES SHALL BE CONFORMANT TO ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS AND STANDARDS.
- 2) EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
- 3) EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
- 4) EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
- 5) EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.

GENERAL LEGEND		
DESCRIPTION	SYMBOL	PROPOSED
PROPOSED LINE	---	---
EXISTING LINE	---	---
PROPOSED TRENCH	---	---
PROPOSED TRENCH WITH SLOPE	---	---
PROPOSED TRENCH WITH SLOPE AND CURB	---	---
PROPOSED TRENCH WITH SLOPE AND CURB AND SIDEWALK	---	---

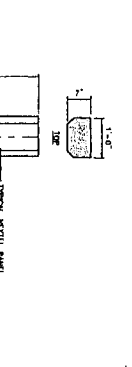
**5) TYPICAL COAXIAL CABLE TRENCHING DETAIL**



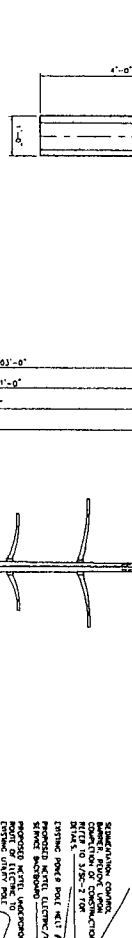
**4) TYPICAL PANEL ANTENNA**



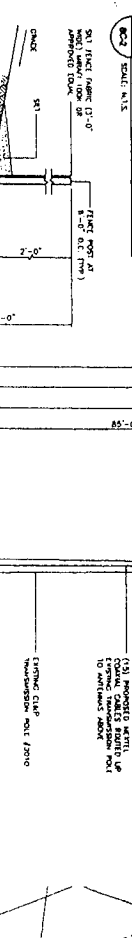
**3) BARRIERSLIT FENCE DETAIL**



**2) TRANSMISSION POLE ELEVATION**



**1) COMPOUND PLAN**



**GENERAL NOTES**

- 1) THE EROSION CONTROL MEASURES SHALL BE CONFORMANT TO ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS AND STANDARDS.
- 2) EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
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- 4) EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
- 5) EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.

**NEXTEL**  
 785 BIRCH STREET, BLDG 5  
 ROCKY HILL, CONNECTICUT  
 1-800-828-8842

**SC-2**

**CT 3667A**  
 CANNAN  
 145 BEEBE HILL ROAD  
 FALLS VILLAGE, CT  
 06031

**REVISIONS**

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		

**PROJECT INFORMATION**

CLIENT: COMMUNICATIONS  
 OF THE MID-ATLANTIC  
 REGION  
 PROJECT: CANNAN  
 PROJECT NO.: 06031  
 DATE: 06/03/01  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]  
 APPROVED BY: [Name]



DESIGN COMPANY/LOGO  
 785 BROOK STREET, BLDG 5  
 ROCKY HILL, CONNECTICUT  
 1-800-529-6882

**NEXTEL**

SCALE: 1/4" = 1'-0"

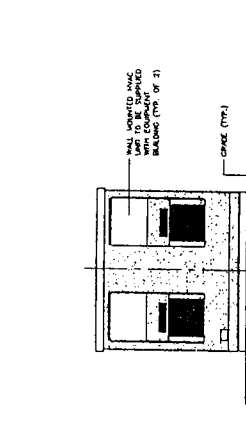
NO.	REVISION	DATE
1	ISSUE FOR PERMITS	11/23/09

APPROVALS  
 CONTRACTOR: \_\_\_\_\_ DATE: \_\_\_\_\_  
 ARCHITECT: \_\_\_\_\_ DATE: \_\_\_\_\_  
 ENGINEER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 ELEC. ENGINEER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 OWNER: \_\_\_\_\_ DATE: \_\_\_\_\_

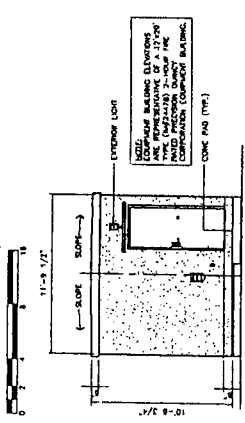
PROJECT NAME  
 145 BEBBE HILL ROAD  
 FALLS VILLAGE, CT  
 06031

EQUIPMENT BUILDING  
 ELEVATIONS AND  
 DETAILS

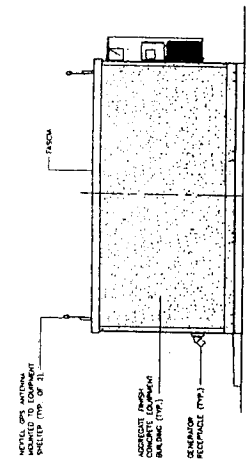
SC-3



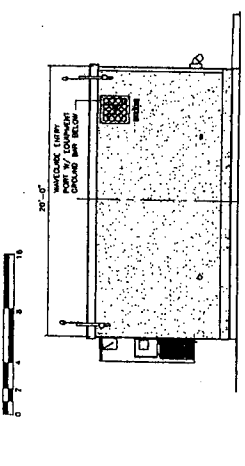
6 EQUIPMENT BUILDING ELEVATION (EAST)  
 SCALE: 1/4" = 1'-0"



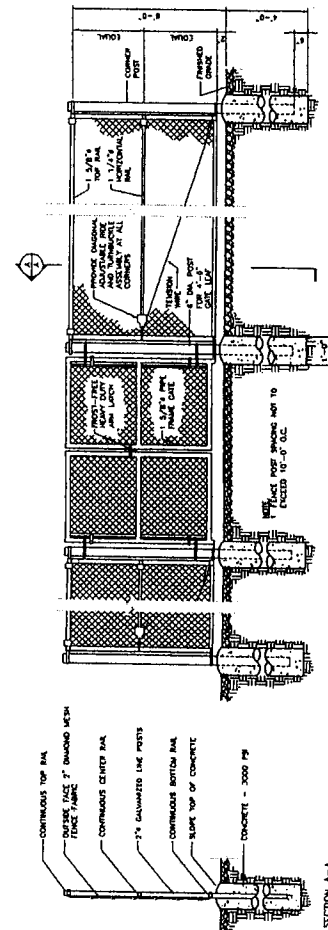
4 EQUIPMENT BUILDING ELEVATION (WEST)  
 SCALE: 1/4" = 1'-0"



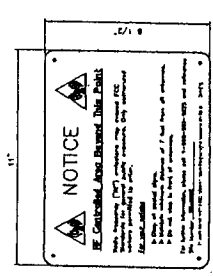
7 EQUIPMENT BUILDING ELEVATION (SOUTH)  
 SCALE: 1/4" = 1'-0"



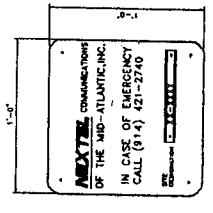
5 EQUIPMENT BUILDING ELEVATION (NORTH)  
 SCALE: 1/4" = 1'-0"



1 TYPICAL CHAINLINK FENCE AND GATE DETAIL  
 SCALE: 1/4" = 1'-0"



3 EMERGENCY SIGN DETAIL  
 SCALE: 1/4" = 1'-0"



2 NOTICE SIGN DETAIL  
 SCALE: 1/4" = 1'-0"

NOTES:  
 1. ALL DIMENSIONS ARE IN FEET AND INCHES.  
 2. ORIGINAL DATE IN INCHES.

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**DETAILED PCS MAST ATTACHMENT DESIGN  
AND STRUCTURAL EVALUATION OF 85'  
EXISTING UTILITY POLE FOR PROPOSED  
ANTENNA ADDITION**

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145 Beebe Hill Road  
Canaan, Connecticut  
Nextel Site No. CT-3667A

---

*prepared for*

**GENERAL DYNAMICS  
WIRELESS SERVICES**

General Dynamics Wireless Services  
100 Corporate Place  
Rocky Hill, CT 06067

*prepared by*

**URS**

URS CORPORATION  
795 BROOK STREET, BUILDING 5  
ROCKY HILL, CT 06067  
TEL. 860-529-8882

36927438  
GDN042

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    - 6.1.2. Structural Loading Computations
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  - 6.2. Utility Pole Evaluation
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  - 6.5. Northeast Utilities Design Criteria

1. EXECUTIVE SUMMARY

This report summarizes the design of the PCS mast structure attachment and the evaluation of the existing 85' steel utility pole structure, CL&P pole #2010, located in Canaan, Connecticut. The design and evaluation were conducted in accordance with the Northeast Utilities Service Company's *Criteria for Design of PCS Facilities on or Above Metal Electric Transmission Towers/Poles*. The antenna loading considered in the analysis consists of all existing and proposed antennas, transmission lines, and ancillary items as outlined on the following page of this report.

The results of the evaluation indicate that the utility pole is in compliance with the proposed loading conditions. **The utility pole is considered structurally feasible with the Northeast Utilities criteria for the design of PCS facilities.** The utility pole foundation was not evaluated by URS and will be evaluated by Northeast Utilities. The proposed Nextel installation consists of:

- |  |                   |                                      |
|--|-------------------|--------------------------------------|
| (3) EMS RR90-11-XXXBL antennas, flush mounted to a pipe mount extension with (9) 1 5/8" coaxial cables | Nextel (proposed) | @ 101'-6" elevation (antenna center) |
| (3) EMS RR90-11-XXXBL antennas, flush mounted to a pipe mount extension with (6) 1 5/8" coaxial cables | Nextel (proposed) | @ 95'-0" elevation (antenna center)  |

This analysis is based on:

1. PCS mast furnished and installed as specified on the Construction Drawings in Section 6.1.1 of this report.
2. The structure's theoretical capacity not including any assessment of the condition of the pole.
3. Antenna inventory as specified on the following page of this report.
4. Tower design documents prepared by the A.B. Chance Co., number JT44681, dated May 5, 1974.
5. Northeast Utilities Service Company's *Criteria for Design of PCS Facilities on or Above Metal Electric Transmission Towers/Poles* dated December 7, 2001.
6. Northeast Utilities Service Company will perform the foundation analysis and evaluation

This report is only valid per the assumptions and data utilized in this report for antenna inventory, mounts and associated cables. The user of this report shall field verify the assumptions of the antenna and mount configurations. Notify the engineer in writing immediately if any of the assumptions in this report are other than specified.

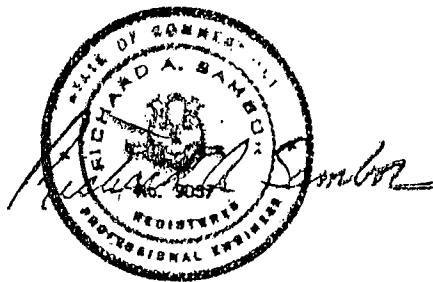
Should you have any questions, please contact us.

Sincerely,  
URS Corporation AES

Richard A Sambor, P.E.  
Manager Facilities Design

RAS/ddm

cc: Jason D'Amico – General Dynamics Wireless Services  
A.A., CF/Book – URS



2. INTRODUCTION

The PCS mast attachment design and existing pole evaluation were performed for this 85' steel utility pole structure located in Canaan, Connecticut by URS Corporation AES (URS) for General Dynamics Wireless Services. This evaluation was conducted to evaluate twist (rotation), sway (deflection), and stress on the utility pole.

The pole structure, CL&P pole #2010, was designed by the A.B. Chance Co., number JT44681, dated May 5, 1974.

Antenna and Mount Configuration:

ANTENNA & MOUNT DESCRIPTION	CARRIER	ANTENNA CENTERLINE
(3) EMS RR90-11-XXXBL antennas, flush mounted to a pipe mount extension with (9) 1 5/8" coaxial cables	Nextel (proposed)	@ 101'-6" elevation (antenna center)
(3) EMS RR90-11-XXXBL antennas, flush mounted to a pipe mount extension with (6) 1 5/8" coaxial cables	Nextel (proposed)	@ 95'-0" elevation (antenna center)

3. ANALYSIS METHODOLOGY AND LOADING CONDITIONS

The structural design and evaluation was done in accordance with Northeast Utilities Service Company's *Criteria for Design of PCS Facilities on or Above Metal Electric Transmission Towers/Poles*, the American Society of Civil Engineers (ASCE) Manual and Reports on Engineering Practice No. 72, *Design of Steel Transmission Pole Structures*, and the American Institute of Steel Construction (AISC).

The PCS mast design was conducted using ERI Tower 3.0. Two load conditions were evaluated as shown below which were compared to allowable stresses according to AISC and TIA/EIA. The two load combinations were investigated in ERI Tower 3.0 to determine the stress, sway, and rotation.

- Load Condition 1 = 85 mph Wind Load (without ice) + PCS Mast Dead Load
- Load Condition 2 = 74ph Wind Load (with 1/2" radial ice) + PCS Mast Dead Load

The existing pole evaluation was conducted using PLS-Pole version 6.04. Two load conditions were evaluated as shown below which were compared to yield stresses according to ASCE and AISC. The two load conditions were investigated in PLS-Pole to determine the stress, sway and rotation.

- Load Condition 1 = NESC C2-2002 Extreme Wind Loading (50-year)
- Load Condition 2 = NESC C2-2002 Heavy Loading (combined ice and wind)

Allowable stresses were not increased for the design and evaluation.

4. EVALUATION OF UTILITY POLE

Combined axial and bending stresses on the steel utility pole structure were evaluated to compare with allowable stresses in accordance with ASCE and AISC. The calculated stress ratios were within Northeast Utilities Service Company's acceptable limits. Detailed analysis and calculations for the proposed antenna arrangement and load conditions are provided in section 6 of this report.

The maximum base reactions of the utility pole structure with existing and proposed configurations result from the NESC Extreme Wind Loading condition. The reactions are as follows:

Bending Moment:	1,423.13 ft-kips
Shear Force:	23.05 kips
Vertical Force:	20.65 kips

The base reactions of the utility pole structure with existing and proposed configurations resulting from the NESC Heavy Loading condition are as follows:

Bending Moment:	1,245.39 ft-kips
Shear Force:	18.10 kips
Vertical Force:	37.47 kips

## 5. CONCLUSIONS

The results of the evaluation indicate that the existing steel utility pole structure is compliance with the proposed loading conditions. **The utility pole structure is considered structurally adequate with the Northeast Utilities Service Company's requirements. The utility pole foundation was not evaluated by URS and will be performed by the Northeast Utilities Service Company.**

### Limitations/Assumptions:

This report is based on the following:

1. PCS mast loading for antennas and mounts as listed in this report.
2. All coaxial cable will be installed outside of the utility pole and PCS mast structure.
3. PCS mast will be properly installed and maintained.
4. All proposed PCS mast members will be as specified in the design documents.
5. PCS mast and utility pole will be in plumb condition.
6. All members will be galvanized
7. Utility pole was properly installed and maintained and all members were properly designed, detailed, fabricated, and installed and have been properly maintained since erection .
8. All members were as specified in the original design documents and are in good condition.
9. All required members are in place.
10. All bolts are in place and are properly tightened.
11. Protective coatings are in good condition

Canaan, CT (145 Beebe Hill Rd.) CT3667 - CT Siting Council Power Density Calculations

Nextel Directional Antennas ESMR - 851 MHz at centerline 120' AGL ***												
Only 120' centerline will be used for worst case purposes												
Note: Power densities are in mW/cm <sup>2</sup>												
Transmitters:	Frequency in MHz	CT Standard mW/cm <sup>2</sup>	Number of Channels	ERP (W) per channel	Centerline of TX antennas AGL (ft.)	Power density calculated at base of tower	% of CT Standard					
Nextel Digital ESMR	851	0.5673	12	100	114	0.0333185596	5.8494%					
** Nextel antenna centerline is 120' adjusted to 114' per OET 65 Bulletin for 6' average head height.												
Total % of CT Standard								5.8494%				