

# ORIGINAL

PETITION NO. 779

## CUDDY & FEDER LLP

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WHITE PLAINS, NEW YORK 10601-5196

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STEPHANIE BORTNYK (also NJ)  
JOSEPH P. CARLUCCI  
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ROBERT FEDER  
CHRISTOPHER B. FISHER (also CT)  
CINDY M. FOX (also NJ & DC)  
ANTHONY B. GIOFFRE III (also CT)  
JOSHUA J. GRAUER  
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Of Counsel  
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KAREN G. GRANIK  
ROBERT L. OSAR (also TX)  
MARYANN M. PALERMO  
ROBERT C. SCHNEIDER

July 13, 2006

Mr. S. Derek Phelps  
Executive Director  
Connecticut Siting Council  
Ten Franklin Square  
New Britain, Connecticut 06051

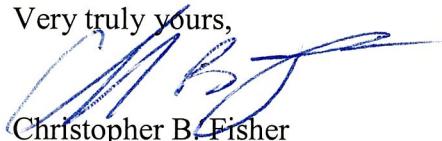
Re: Petition of Cingular  
Replacement of Existing Tower  
138 Main Street, Coventry, Connecticut

RECEIVED  
JUL 17 2006

CONNECTICUT  
SITING COUNCIL

Dear Mr. Phelps:

Enclosed please find the petition of Cingular for a declaratory ruling with respect to the above referenced matter. I will follow up directly with Council staff next week in anticipation of the need to schedule a site visit with a Council member prior to the full Council's consideration of the Petition. Should you or your staff have any questions in the interim, please do not hesitate to contact me.

Very truly yours,  
  
Christopher B. Fisher

Encs.

cc: John A. Elsesser, Town Manager  
Eric M. Trott, Director of Planning & Development  
Richard Pelletier  
Michele Briggs, Cingular  
Steve Levine, Cingular

## CONNECTICUT SITING COUNCIL

**PETITION OF NEW CINGULAR WIRELESS PCS, LLC TO THE CONNECTICUT SITING COUNCIL FOR A DECLARATORY RULING THAT NO CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED IS REQUIRED TO REPLACE AN EXISTING TOWER IN COVENTRY, CONNECTICUT ) PETITION NO. \_\_\_\_\_**

**JULY 13, 2006 )**

### **PETITION FOR DECLARATORY RULING REPLACEMENT OF AN EXISTING TOWER 138 MAIN STREET, COVENTRY, CONNECTICUT**

#### **I. Introduction**

New Cingular Wireless PCS, LLC (“Cingular”) hereby petitions the Connecticut Siting Council (“Council”) pursuant to Sections 16-50j-38 and 16-50j-39 of the Regulations of Connecticut State Agencies (“R.C.S.A.”) for a declaratory ruling that a Certificate of Environmental Compatibility and Public Need (“Certificate”) is not required under the provisions of Connecticut General Statutes (“C.G.S.”) § 16-50k in order for Cingular to replace an existing lattice tower located at 138 Main Street in the Town of Coventry, Connecticut (the “Tower”). As such, Cingular respectfully requests a declaratory ruling that its modifications to the Tower and related site improvements do not require a Certificate and full docket review by the Council.

#### **II. Existing Facility**

The subject property fronts on Main Street (State Route 31) and is classified in the Town’s LI (Light Industrial) zoning district at the southernmost portion of Coventry. The property supports several buildings that are used in conjunction with the owner’s construction business. The existing tower facility installation consists of a 92.8’ lattice Tower with antennas extending to 102’ and other equipment at grade. (Coordinates of the existing Tower are (NAD

83) N 41° 45' 07" and W 72° 16' 06"). The property owner currently uses the existing Tower for communications in its business. The Coventry Planning and Zoning Commission recently re-approved a Special Permit to validate the existing Tower at its existing height (apparently there was some question regarding the approved height dating back to the 1970's and the current height of the existing Tower). See Town of Coventry Planner's Letter dated June 13, 2006 annexed hereto as Exhibit A.

### **III. Proposed Cingular Modifications**

The existing Tower does not have the structural capacity to support Cingular's proposed antennas. See structural letter from URS Corporation annexed hereto as Exhibit B. As shown on the plans enclosed in Exhibit C, including a site plan and elevation, Cingular proposes to replace the existing 92.8' lattice Tower with a 93' monopole and relocate it approximately 12'± from the existing Tower. Cingular will install six panel antennas at 90' AGL and relocate the property owner's existing antenna onto the replacement Tower at the same height it now occupies. An existing construction trailer will be relocated by the property owner in order to accommodate Cingular's 11.5' x 20' equipment shelter. The design of the replacement Tower will allow for co-location by other competing wireless carriers.

### **IV. Municipal Interest in Future Shared Use of the Replacement Tower**

Representatives of Cingular attended the Town of Coventry Planning & Zoning Commission meeting in June of 2006 at which the property owner's application to reissue a special permit for the facility was approved. At that time, Cingular advised the Commission of its intent to replace the lattice Tower with a monopole and seek Council approval for same. The Town acknowledged same and requested that space be reserved at the top of the replacement Tower for future use by the Town's emergency communications purposes. As such, the enclosed

plans show the potential for an additional whip antenna to be installed at the top of the replacement Tower by the Town, though no current use is proposed by the Town.

**V. The Proposed Modifications Will Not Have A Substantial Adverse Environmental Effect**

The proposed modifications involve replacement of an existing lattice Tower with a monopole in kind which will not cause a substantial adverse environmental impact. The replacement Tower with appurtenances will be the same height as the existing Tower, including appurtenances. Photosimulations and existing site condition photographs are included in Exhibit D and demonstrate the lack of any overall change in areas of visibility.

Moreover, the proposed relocation of the replacement Tower approximately 12'± from the site of the existing tower and construction of the equipment shelter will have a de minimus effect on the surrounding area which is already disturbed and supports a construction business. The limits of disturbance of all construction activities will be confined to the minimum extent possible with erosion and sediment control measures installed 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.

Current access to the site is sufficient for Cingular's required service visits and no new access driveway is proposed. No clearing or grading will be required. In addition, the color and texture of the new equipment shelter will be designed to match the existing buildings on site. We note also that neither the existing Tower nor the replacement Tower requires FAA registration, lighting or marking. See TOWAIR results in Exhibit E.

The operation of Cingular's antennas will not increase the total radio frequency electromagnetic power density at the site to a level at or above the applicable standards. As set

forth in a Power Density Report prepared by Cingular, annexed hereto as Exhibit F, the total radio frequency electromagnetic radiation power density at ground level beside the Tower will not be increased 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 the MPE limits established by the Federal Communications Commission.

**VI. Public Need**

Annexed hereto in Exhibit G are coverage plots prepared by Cingular's radiofrequency engineers which demonstrate the need for this replacement Tower facility to provide service along State Route 31 between Route 6 and the village center area of Coventry.

**VII. Conclusion**

Cingular will not need to construct an entirely new telecommunications tower facility to provide coverage in this area of Coventry if the Council approves the replacement Tower facility. The proposed replacement Tower and other modifications are consistent with legislative findings outlined in Section 16-50g and 16-50aa of the General Statutes of Connecticut that seek to avoid the unnecessary proliferation of towers in the State.

For all the foregoing reasons, Cingular petitions the Council for a determination that the proposed replacement Tower and other improvements do not require a Certificate of Environmental Compatibility and Public Need and that the Council issue an order approving same.

Respectfully Submitted,



Christopher B. Fisher  
On behalf of New Cingular Wireless PCS, LLC

cc: John A. Elsesser, Town Manager  
Eric M. Trott, Director of Planning & Development  
Richard Pelletier  
Michele Briggs, Cingular  
Steve Levine, Cingular



# Town of Coventry

Land Use Office

1712 Main Street • Coventry, CT 06238

Planning • Zoning • Wetlands • Economic Development • Conservation  
Phone: 860 742-4062 Fax: 860 742-8911 Web: [coventryct.org](http://coventryct.org)



CERTIFIED MAIL # 7002 1940 0004 5210 6866

June 13, 2006

Richard Pelletier  
138 Main Street  
Coventry CT 06238

Dear Mr. Pelletier:

At its regular meeting on June 12, 2006, the Coventry Planning and Zoning Commission made the following decision:

Approved the special permit application 06-09S of Richard Pelletier to validate an existing radio tower on property located at 138 Main Street (Assessor's Map 29, Block 55, Lot 18-5); LI Zone.

Reason for decision: The application complies with the applicable criteria.

The Commission also approved the waiver for filing the Mylar per Section 4.3.c.7.

Please see the attached information regarding the filing of the 8-3d form of approval with the Town Clerk's office.

Sincerely,

Eric M. Trott  
Director of Planning and Development

EMT/lpe

**POST APPROVAL GUIDE FOR SPECIAL PERMIT EXCEPTION OR VARIANCE**

If you have received approval from the Coventry Zoning Board of Appeals or the Planning and Zoning Commission for a special permit/exception or variance, the following requirements must be completed before the issuance of a zoning permit:

**FOR SPECIAL EXCEPTION, PERMIT, OR "VARIANCE:**

1. An 8-3d form of approval must be filed with the Town Clerk's office. The form cannot be filed until the fifteen day appeal period has ended (15 days from the date of legal notice publication; not date of Commission/Board approval). The form will be prepared at the Planning office and available for filing after July 1, 2006. (There is a filing fee which you pay at the Clerk's office at the time you file the 8-3d form).

**FOR SPECIAL EXCEPTION/PERMIT:**

1. You must file a Mylar of final plans with the Town Clerk's office within 90 days of approval date. However, the Mylar cannot be filed until after the fifteen day appeal period has ended, which will be after \_\_\_\_\_ . (There is a filing fee which you pay at the Clerk's office at the time you file the Mylar.)

Section 4.3.c.5 of the zoning regulations states:

Endorsement and Filing. Within sixty-five days of the Commission/Board approval, the applicant shall submit one (1) set of final plans on Mylar and six (6) sets on paper (please note: in some cases we may accept three (3) copies for special exceptions), reflecting all conditions or modifications required by the Commission/Board, and accompanied by signed, sworn statements of the applicant's land surveyor, engineer, architect, and any other professional who has participated in the preparation of the application materials, to the effect that the plans submitted are the same as those approved by the Commission/Board except for the depiction of modifications and conditions required by the Commission/Board in its approval vote. If, upon considering the statements and reviewing the plans submitted, the Commission/Board shall find them to be in accordance with the final approval, they shall be endorsed by the signature of the Chairman, Vice-Chairman, or Secretary of the Commission/Board, as the case may be. Thereafter, it shall be the responsibility of the applicant to file one (1) set of endorsed Mylar plans in the office of the Town Clerk. In accordance with Section 8-3d of the Connecticut General Statutes, no Special Permit/Exception shall be effective until the final, endorsed plans are filed with the Town Clerk, and any plans not so filed within ninety (90) days following the Commission's/Board's vote of approval shall become null and void. Any Special Permit/Exception site plan filed in the Town Clerk's office without the endorsement of the Commission's/Board's Chairman, Vice-Chairman, or Secretary shall likewise be void.

~~\*In the case where a variance has been granted, it is recommended that if you have not already done so, you may want to submit your application for building permit and zoning permit to the Building office prior to the appeal period ending. This may possibly help to speed up your application process/review and avoid a delay in obtaining your permits.~~

Revised 03/10/98



July 14, 2006

Colin C. Tait, Esq., Chairman and Members of the Connecticut Siting Council  
Connecticut Siting Council  
10 Franklin Square  
New Britain, CT 06051

**Reference:** **Telecommunications Facility Modification**  
**Cingular Wireless**  
**Pelletier Builders Inc.**  
**138 Main Street**  
**Coventry, Connecticut**  
**CW1 074/36921838.00003**

Dear Chairman Tait and Members of the Council:

URS Corporation AES (URS) conducted a structural review of the existing lattice tower located at 138 Main Street in Coventry, CT for the purpose of collocating the Cingular Wireless antennas and cables on the existing structure.

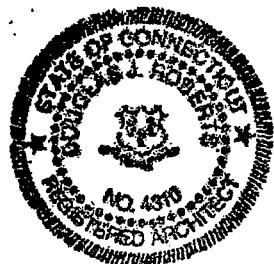
The results of this review indicate the existing lattice tower is structurally inadequate to accommodate the additional antenna loads. It is not feasible in our opinion to reinforce the existing tower and foundation based on its current capacity. It is our recommendation to replace the existing structure and foundation. URS will specify the design of the replacement tower and foundation to meet the requirements of the Connecticut State Building Code and the requirements of TIA/EIA-222-F for use by Cingular Wireless, Pelletier Builders Inc., town whips, and two additional commercial carriers.

If you should have any questions, please call.

Sincerely,

*Douglas Roberts* **URS Corporation AES**

*Douglas Roberts*  
AIA  
Project Manager



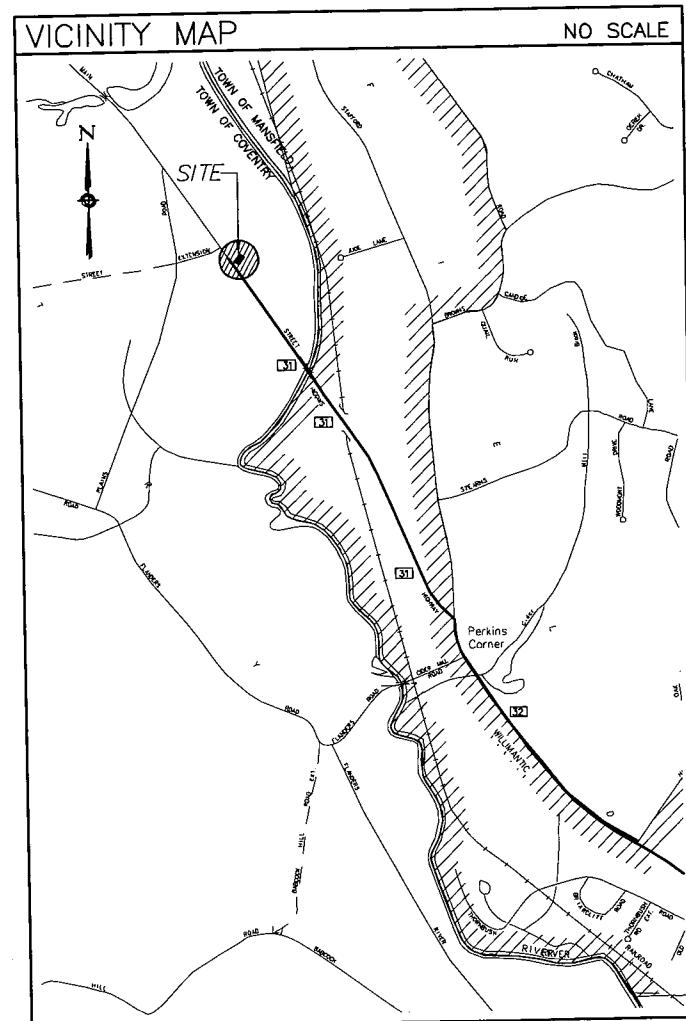
cc: Steve Levine— Cingular Wireless  
Christopher Fisher - Cuddy & Feder  
Alitz Abadjian - URS  
Ignacio C. Artaiz, AIA  
CF/Book

URS Corporation  
500 Enterprise Drive, Suite 3B  
Rocky Hill, CT 06067  
Tel: 860.529.8882  
Fax: 860.529.3991

O:\Telecom\Projects\C W 1\Letters\CW1 074 Siting Council Letter.doc



WIRELESS COMMUNICATIONS FACILITY  
PELLETIER BUILDERS INC.  
CELL SITE #1182  
138 MAIN STREET  
COVENTRY, CONNECTICUT 06238



PROJECT SUMMARY	
SITE NAME:	PELLETIER BUILDERS INC.
SITE ADDRESS:	138 MAIN STREET COVENTRY, CONNECTICUT 06238
CONTACT PERSON:	CINGULAR WIRELESS STEVE LEVINE 860-529-7636
GOVERNING CODE:	CONNECTICUT BUILDING CODES CONNECTICUT LIFE SAFETY CODES
JURISDICTION:	CONNECTICUT SITING COUNCIL
APPLICANT:	CINGULAR WIRELESS 500 ENTERPRISE DRIVE ROCKY HILL, CT. 06067
ARCHITECT:	URS CORPORATION A.E.S. 500 ENTERPRISE DRIVE, SUITE 3B ROCKY HILL, CT 06067
M/E/P ENGINEER:	URS CORPORATION A.E.S. 500 ENTERPRISE DRIVE, SUITE 3B ROCKY HILL, CT 06067

A&E FIRM <b>URS CORPORATION A.E.S.</b> 500 ENTERPRISE DRIVE ROCKY HILL, CONNECTICUT 1-860-529-8882
A&E SEAL
PROJECT NO: 36921838
JOB NO: CW1-074
DRAWN BY: RRH
CHECKED BY:
ISSUED FOR
0 06-26-06 REVIEW
1 06-26-06 REVIEW
2 06-29-06 REVIEW
THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CINGULAR WIRELESS IS STRICTLY PROHIBITED.
PELLETIER BUILDERS INC. 138 MAIN STREET COVENTRY, CONNECTICUT 06238
SCALE: NONE
TITLE SHEET- GENERAL NOTES AND LEGENDS
T-1

LEGEND		
DESCRIPTION	EXISTING	PROPOSED
PROPERTY LINE	— - - - -	
LEASE LINE		
CHAIN LINK FENCE	— o o —	
CONTOUR LINES	— XXX —	
UNDERGROUND UTILITIES		— E/T —
UTILITY POLE	o	o
TREE LINE	wavy line	
SEDIMENTATION FENCE		
SPOT ELEVATION	x XXX.X	

**SITE PLAN NOTE:**  
EXISTING INFORMATION PROVIDED ON THIS SITE PLAN IS  
BASED ON SURVEY COMPLETED BY DATUM ENGINEERING &  
SURVEY, LLC, DATED APRIL 20, 2006.

**UTILITY NOTE:**  
UTILITIES TO BE COORDINATED FURTHER WITH APPLICABLE  
UTILITIES COMPANIES. ROUTING AND EQUIPMENT LOCATIONS  
SUBJECT TO CHANGE.

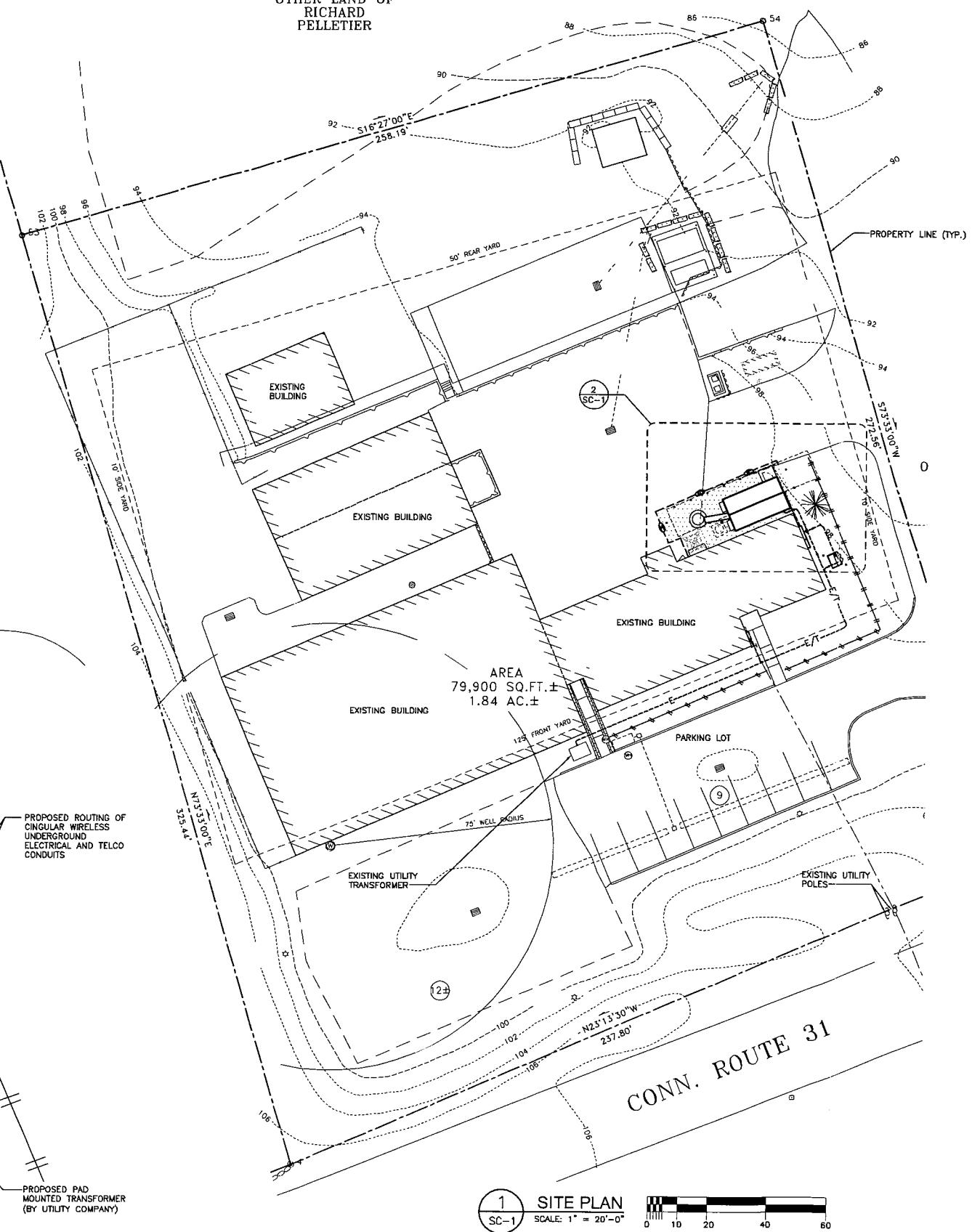
## NOTES

1. THE PROPOSED FACILITY IS UNMANNED AND DOES NOT REQUIRE WATER OR SEWER SERVICE.
  2. THE PROPOSED EQUIPMENT SHELTER WILL NOT BE USED FOR HUMAN HABITATION. OCCUPANCY WILL BE LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY ONCE PER MONTH.
  3. THE PROPOSED FACILITY WILL NOT EMIT ANY NOISE, SMOKE, DUST OR ODORS.
  4. THE PROPOSED FACILITY WILL NOT REQUIRE OUTDOOR STORAGE OR SOLID WASTE CONTAINERS.
  5. ND LIGHTING IS PROPOSED.
  6. NO COMMERCIAL SIGNS ARE PROPOSED.

This Compound Plan diagram illustrates the layout of a construction site with various proposed and existing structures and features. Key elements include:

- EXISTING EDGE OF PAVEMENT**: Indicated by a line along the top and left edges of the site.
- EXISTING DRIVeway**: Indicated by a line along the top right edge.
- OWNER TO REMOVE EXISTING TRAILER**: A note indicating the removal of an existing trailer.
- EXISTING EDGE OF PAVEMENT**: Indicated by a line along the middle left edge.
- PROPOSED BOLLARDS (TYP. OF 11)**: Indicated by a line along the middle left edge.
- PROPOSED 11'-8" x 20'-0" CINGULAR WIRELESS SHELTER**: A proposed structure to match the existing building.
- EXISTING BUILDING (WHITE STUCCO)**: An existing building structure.
- PROPOSED CINGULAR WIRELESS ICE BRIDGE**: A proposed structure.
- PROPOSED 93'-0" MONPOLE**: A proposed tall structure.
- EXISTING LATTICE TOWER TO BE REMOVED**: A note indicating the removal of an existing lattice tower.
- SC**: Labels indicating the location of sedimentation control barriers.
- 12'-4"**: A dimension line indicating a distance of 12'-4" between two points.
- 22'-4"**: A dimension line indicating a distance of 22'-4" between two points.
- EXISTING OIL TANK**: An existing oil tank structure.
- EXISTING TREE**: An existing tree located in the lower right area.
- PROPOSED CINGULAR WIRELESS GPS**: A proposed GPS unit.
- RELOCATE EXISTING CONDENSING UNIT. LOCATION TO BE DETERMINED BY OWNER.**: A note regarding the relocation of an existing condensing unit.
- EXISTING BUILDING**: An existing building structure.
- PROPOSED CINGULAR WIRELESS MODULAR METER CENTER**: A proposed meter center.
- PROPOSED CINGULAR WIRELESS MODULAR SERVICE ENTRANCE**: A proposed service entrance.
- SEDIMENTATION CONTROL BARRIER. REMOVE UPON COMPLETION OF CONSTRUCTION.**: A note regarding the removal of sedimentation control barriers.
- REFER TO 2/SC-2**: A reference note.
- EXISTING DRIVeway**: Indicated by a line along the middle right edge.

OTHER LAND O  
RICHARD  
PELLETIER



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A&E FIRM  
**ERS CORPORATION AES**  
500 ENTERPRISE DRIVE  
ROCKY HILL, CONNECTICUT  
1-(860)-529-8882

SEAL

OBJECT NO: 36921838

B NO: CW1-074

AWN BY: HSG/RH

RECEIVED BY:

ISSUED FOR

06-28-06	REVIEW
06-29-06	REVIEW

INFORMATION CONTAINED  
THIS SET OF DOCUMENTS  
PROPRIETARY BY NATURE.  
USE OR DISCLOSURE  
EXCEPT THAT WHICH  
RELATES TO CINGULAR WIRELESS  
IS STRICTLY PROHIBITED.

PELLETIER  
BUILDERS INC.  
138 MAIN STREET  
OVENTRY, CONNECTICUT  
06238

11 E: AS NOTED

## SITE PLAN AND COMPOUND PLAN

SC-1

## SEDIMENTATION CONTROL FENCE SPECIFICATIONS MAINTENANCE

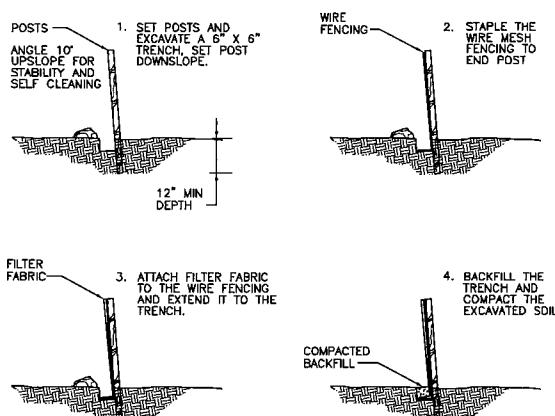
1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
2. IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT, THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
4. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATION.

### CONSTRUCTION SEQUENCE

1. THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR SILT FENCES
2. THE FABRIC SHALL BE EMBEDDED A MINIMUM OF 8 INCHES INTO THE GROUND AND THE SOIL COMPAKTED OVER THE EMBEDDED FABRIC.
3. WOVEN WIRE FENCES SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES OR STAPLES.
4. FILTER CLOTH SHALL BE FASTENED SECURELY TO THE WOVEN WIRE FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP, MID-SECTION, AND BOTTOM.
5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED AND STAPLED.
6. FENCE POSTS SHALL BE A MINIMUM OF 36 INCHES LONG AND DRIVEN A MINIMUM OF 18 INCHES INTO THE GROUND. WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD AND SHALL HAVE A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQUARE INCHES.
7. MAINTENANCE SHALL BE PERFORMED AS NEEDED TO PREVENT BULGES IN THE SILT FENCE DUE TO DEPOSITION OF SEDIMENT.

### EROSION CONTROL NOTES

1. DURING CONSTRUCTION AND THEREAFTER EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED. NOT GREATER THAN 20,000 SF OF LAND SHALL BE EXPOSED AT ANY ONE TIME DURING DEVELOPMENT. WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE EXPOSURE SHOULD BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME AND SHALL NOT EXCEED 90 DAYS. LAND SHOULD NOT BE LEFT EXPOSED DURING THE WINTER MONTHS.
2. SILTATION FENCING SHALL BE INSTALLED WHERE SHOWN PRIOR TO ANY ON SITE GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL. IT SHOULD BE MAINTAINED DURING AND AFTER DEVELOPMENT TO REMOVE SEDIMENT FROM RUNOFF WATER AND FROM LAND UNDERGOING DEVELOPMENT. WHERE POSSIBLE NATURAL DRAINAGE-WAYS SHOULD BE UTILIZED AND LEFT OPEN TO REMOVE EXCESS SURFACE WATER.
3. ALL DISTURBED AREAS AND SIDE SLOPES WHICH ARE FINISH GRADED WITH NO FURTHER CONSTRUCTION TO TAKE PLACE SHALL BE LOAMED AND SEDED. A MINIMUM OF 4" OF LOAM SHALL BE INSTALLED.
4. ANY DISTURBED AREAS WHICH ARE TO BE LEFT TEMPORARILY, AND WHICH WILL BE REGRADED LATER DURING CONSTRUCTION SHALL BE MACHINE HAY MULCHED AND SEDED WITH RYE GRASS TO PREVENT EROSION. HAY OR STRAW MULCH SHALL BE APPLIED TO ALL FRESHLY SEDED AREAS AT A RATE OF 2 TONS PER ACRE. BALES SHALL BE UNSPOILED, AIR-DRIED, AND FREE FROM WEED, SEEDS AND ANY COARSE MATERIAL.



2 SEDIMENTATION CONTROL BARRIER - SILT FENCE  
SC-2

1A EXISTING TOWER ELEVATION  
SC-2

SCALE: 1" = 5'-0"

0 2.5 5 10 20

TOP OF WHIP  
EXISTING WHIP ANTENNA TO  
RELOCATED

EXISTING LATTICE  
TOWER TO BE  
REMOVED

ANTENNA CENTERLINE

TOP OF MONPOLE

RELOCATED PELLETIER WHIP  
ANTENNA FROM EXISTING TOWER

PROPOSED CINGULAR WIRELESS  
ANTENNAS WITH PLATFORM  
(6 ANTENNAS TOTAL)

ANTENNA CENTERLINE

POSSIBLE FUTURE ANTENNAS WITH  
PLATFORM

ANTENNA CENTERLINE

POSSIBLE FUTURE ANTENNAS WITH  
PLATFORM

PROPOSED MONPOLE

APPROXIMATE GRADE

APPROXIMATE GRADE

1 TOWER ELEVATION  
SC-2

SCALE: 1" = 5'-0"

0 2.5 5 10 20

**cingular**  
WIRELESS

A&E FIRM

**URS CORPORATION AES**

500 ENTERPRISE DRIVE  
ROCKY HILL, CONNECTICUT  
1-860-529-8882

A&E SEAL

PROJECT NO: 36921838

JOB NO: CW1-074

DRAWN BY: HSG/RH

CHECKED BY:

ISSUED FOR

0 06-26-06 REVIEW  
1 06-28-06 REVIEW  
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PELLETIER  
BUILDERS INC.  
138 MAIN STREET  
COVENTRY, CONNECTICUT  
06238

SCALE: AS NOTED

TOWER  
ELEVATIONS  
AND DETAIL

SC-2

# PHOTOSIMULATIONS AND EXISTING SITE CONDITIONS

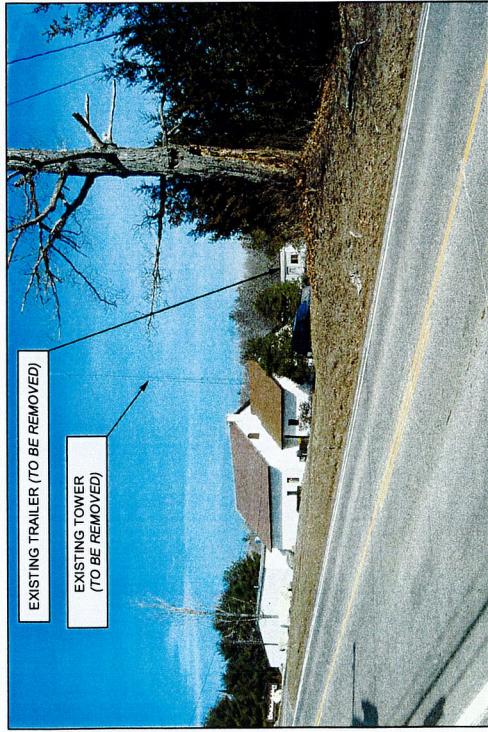
138 MAIN STREET  
COVENTRY, CONNECTICUT

Prepared for:

 **cingular**  
WIRELESS  
Cingular Wireless  
500 Enterprise Drive  
Rocky Hill, CT 06067

prepared by

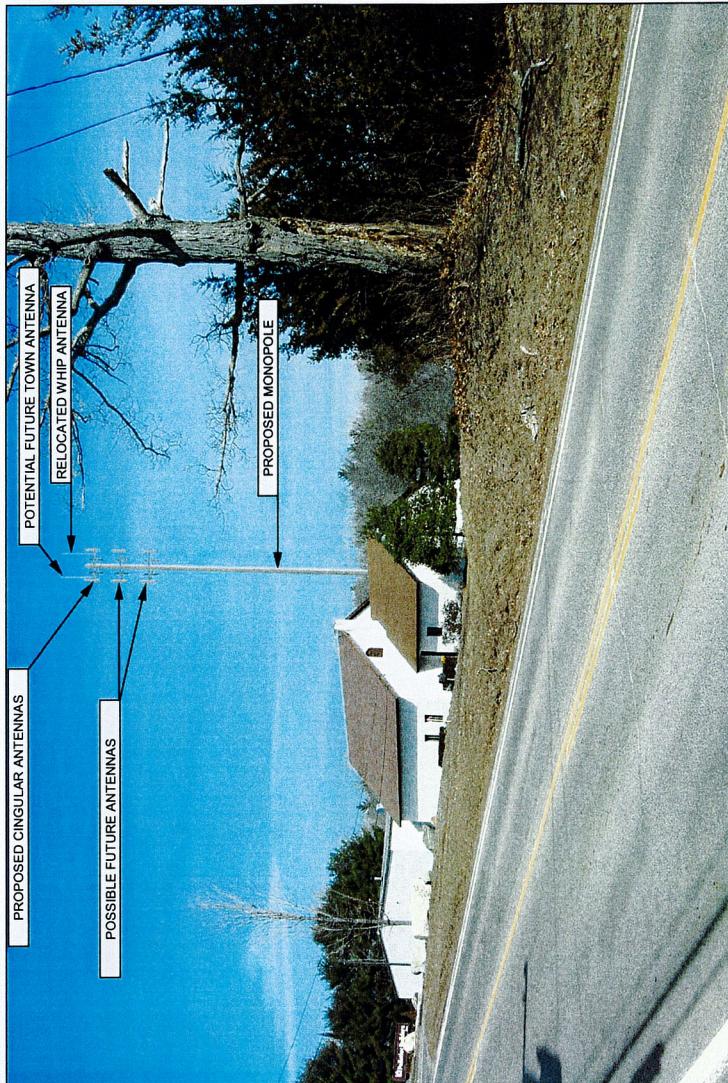
**URS**  
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Tel. 860-529-8882  
Fax 860-529-5566



MAIN STREET, SOUTHWEST OF THE SITE

EXISTING VIEW (above)

PHOTOSIMULATION (right)



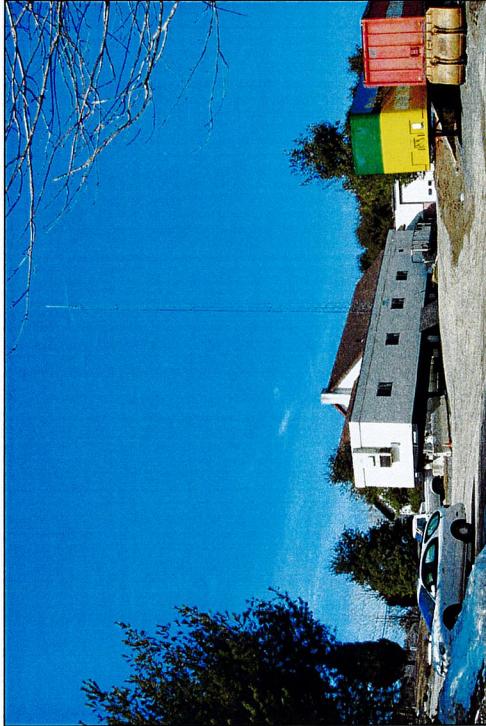


PHOTO A: TAKEN FROM SOUTHEAST CORNER OF PROPERTY

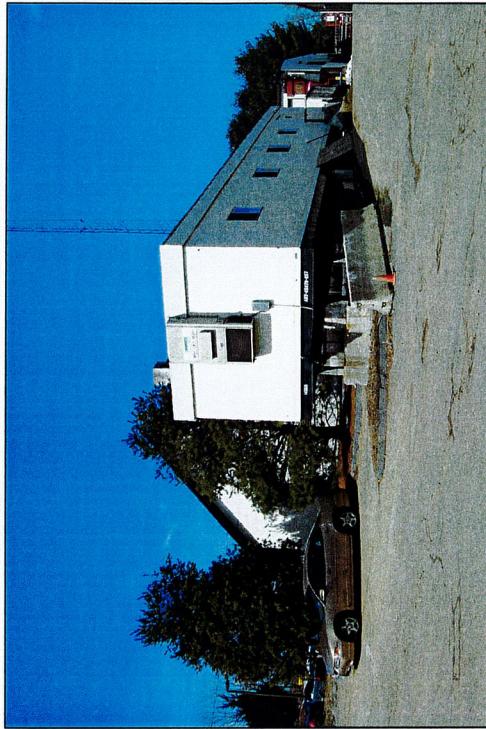


PHOTO B: TAKEN FROM SOUTHERN PARKING LOT



PHOTO C: TAKEN FROM NORTHEAST OF EXISTING TOWER BASE



PHOTO D: TAKEN FROM BASE OF EXISTING TOWER



## Antenna Structure Registration

[FCC](#) > [WTB](#) > [ASR](#) > [Online Systems](#) > [TOWAIR](#)
[FCC Site Map](#)


## TOWAIR Determination Results

 [New Search](#)  [Printable Page](#)

A routine check of the coordinates, heights, and structure type you provided indicates that this structure does not require registration.

### \*\*\* NOTICE \*\*\*

TOWAIR's findings are not definitive or binding, and we cannot guarantee that the data in TOWAIR are fully current and accurate. In some instances, TOWAIR may yield results that differ from application of the criteria set out in 47 C.F.R. Section 17.7 and 14 C.F.R. Section 77.13. A positive finding by TOWAIR recommending notification should be given considerable weight. On the other hand, a finding by TOWAIR recommending either for or against notification is not conclusive. It is the responsibility of each ASR participant to exercise due diligence to determine if it must coordinate its structure with the FAA. TOWAIR is only one tool designed to assist ASR participants in exercising this due diligence, and further investigation may be necessary to determine if FAA coordination is appropriate.

### DETERMINATION Results

#### PASS SLOPE(100:1): NO FAA REQ-RWY MORE THAN 10499 MTRS & 7050.63 MTRS (7.05060 KM) AWAY

Type	C/R	Latitude	Longitude	Name	Address	Lowest Elevation (m)	Runway Length (m)
AIRP	R	41-44-36.00N	072-11-7.00W	WINDHAM	WINDHAM WILLIMANTIC, CT	71.7	1303.9000000000001

#### PASS SLOPE(100:1): NO FAA REQ-RWY MORE THAN 10499 MTRS & 6986.62 MTRS (6.98660 KM) AWAY

Type	C/R	Latitude	Longitude	Name	Address	Lowest Elevation (m)	Runway Length (m)
AIRP	R	41-44-47.00N	072-11-8.00W	WINDHAM	WINDHAM WILLIMANTIC, CT	71.7	1303.9000000000001

### Your Specifications

Latitude 41-45-09.0 north  
 Longitude 072-16-09.0 west

### Measurements (Meters)

Overall Structure Height (AGL) 33.5

Support Structure Height (AGL)	27.7
Site Elevation (AMSL)	85

**Structure Type**

TOWER - Free standing or Guyed Structure used for Communications Purposes

**Tower Construction Notification**

Notify Tribes and Historic Preservation Officers of your plans to build a tower.

Note: Notification does NOT replace Section 106 Consultation.

**ASR Help**

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Federal Communications Commission  
445 12th Street SW  
Washington, DC 20554

Phone: 1-888-CALL-FCC (1-888-225-5322)  
TTY: 1-888-TELL-FCC (1-888-835-5322)  
E-mail: [fccinfo@fcc.gov](mailto:fccinfo@fcc.gov)



**New Cingular Wireless PCS, LLC**  
500 Enterprise Drive  
Rocky Hill, Connecticut 06067-3900  
Phone: (860) 513-7636  
Fax: (860) 513-7190

**Steven L. Levine**  
*Real Estate Consultant*

June 15, 2006

TO: Attorney Chris Fisher  
FROM: Steve Levine  
RE: Power Density Calculation for 138 Main Street, Coventry, CT

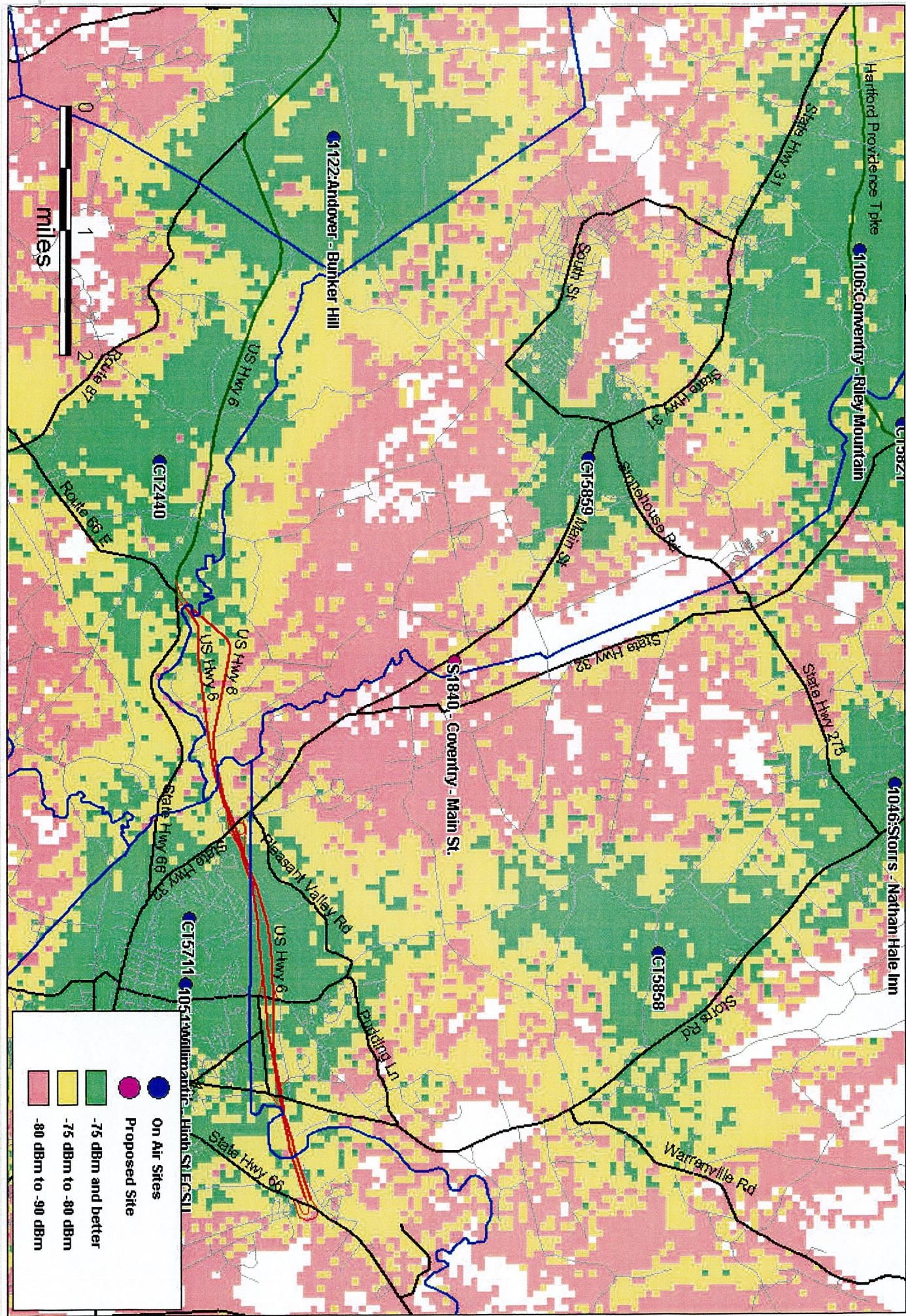
The revised cumulative worst-case power density for this site in accordance with FCC OET Bulletin No. 65 (1997) for a point of interest at ground level beside the tower follows.

This worst-case calculation assumes all channels working simultaneously at full power with the antennas facing directly downward.

Company	Centerline Height (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density <sup>†</sup> (mW/cm <sup>2</sup> )	Standard Limits (mW/cm <sup>2</sup> )	Percent of Limit
Pelletier Builders*	97	31.16	1	110	0.0042	0.2000	2.10
Cingular	90	880-895	6	296	0.0788	0.5867	13.44
Cingular	90	1930-1935 1965-1970	3	427	0.0569	1.0000	5.69
<b>Total</b>							<b>21.23%</b>

\* Power density parameters from FCC Universal Licensing System website.

† Please note that the standard power density equation provided by the Council in its memo of January 22, 2001 incorporates a ground reflection factor of 2.56 (i.e., the square of 1.6) as described in FCC OET Bulletin No. 65.



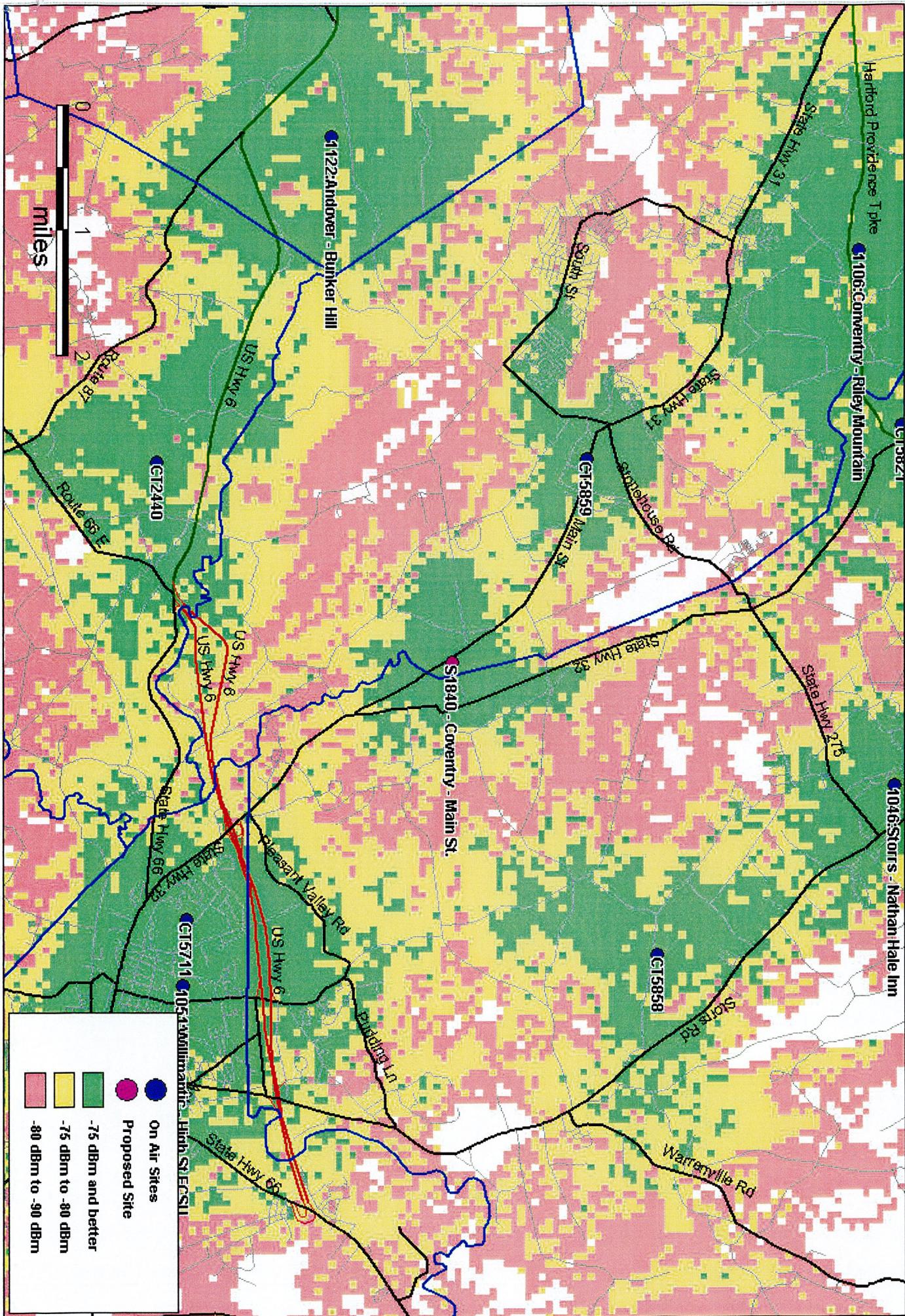
 **cingular**  
raising the bar.<sup>SM</sup>

**Cingular Wireless  
Existing Cells @ 1900 MHz  
Coventry, CT.**

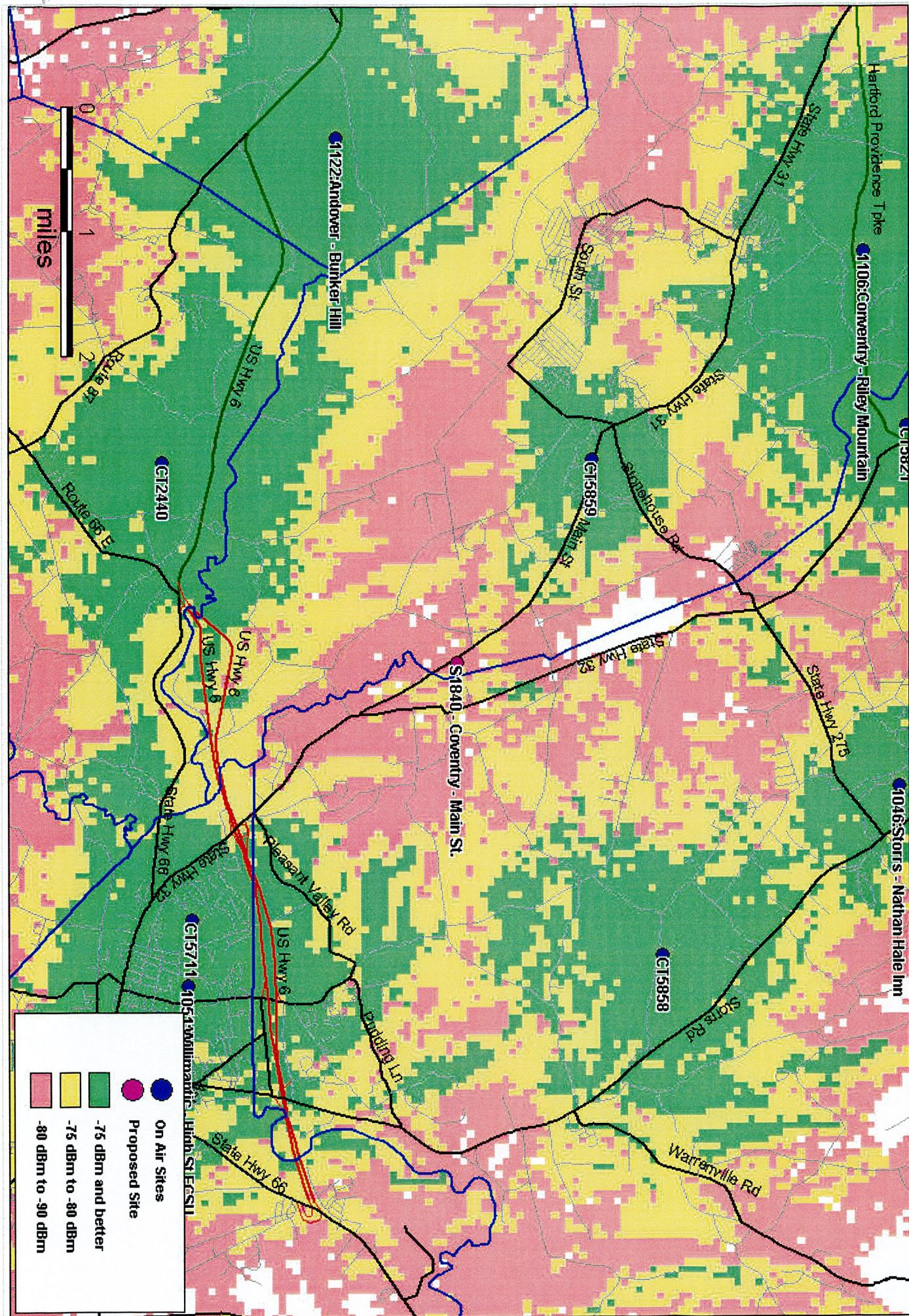


raising the bar

**Cingular Wireless**  
**Existing Cells and Proposed Cell S1840 @ 1900 MHz**  
**Coventry, CT.**



**Cingular Wireless**  
**Existing Cells @ 850 MHz**  
**Coventry, CT.**





**Cingular Wireless  
Existing Cells and Proposed Cell S1840 @ 850 MHz  
Coventry, CT.**

