

**CONNECTICUT SITING COUNCIL**

<b>PETITION OF NEW CINGULAR</b>	)	
<b>WIRELESS PCS, LLC ("AT&amp;T") TO THE</b>	)	
<b>CONNECTICUT SITING COUNCIL FOR A</b>	)	<b>PETITION NO. 1010</b>
<b>DECLARATORY RULING THAT NO</b>	)	
<b>CERTIFICATE OF ENVIRONMENTAL</b>	)	<b>FEBRUARY 2, 2012</b>
<b>COMPATIBILITY AND PUBLIC NEED IS</b>	)	
<b>REQUIRED FOR THE PROPOSED</b>	)	
<b>INSTALLATION OF AN CONCEALED</b>	)	
<b>TOWER ON A WATER TANK AND</b>	)	
<b>RELATED FACILITIES LOCATED AT A</b>	)	
<b>WATER TREATMENT PLANT AT</b>	)	
<b>455 VALLEY ROAD</b>	)	
<b>GREENWICH, CONNECTICUT</b>	)	

PETITIONER  
NEW CINGULAR WIRELESS PCS, LLC ("AT&T")  
RESPONSES TO PRE-HEARING INTERROGATORIES

Q1) What is the distance of the nearest residence to the proposed facility?

A1) The nearest residence is across Valley Road 154' to the northwest. That property is identified as 460 Valley Road, Greenwich, Connecticut.

Q2) How many residences are located within a radius of the proposed facility?

A2) There are no residences located within a radius of 64' from the water tank. There are approximately 76 residences within 1000' of the proposed facility.

Q3) What of its licensed frequencies would AT&T use at the proposed site? What is the frequency used in the coverage plots behind Tab G? Provide additional coverage plots at other frequencies that AT&T intends to use at the proposed site?

A3) All AT&T frequencies are planned to be used at the proposed site which are licensed by the FCC as follows:

KNKA256	B-Band Cellular
KNLG502	E-Block PCS
WPSL626	A3 Block PCS
WQGG892	A4 Block PCS
WPWV368	Lower C 700 MHz
WQIZ617	Lower E 700 MHz
WQJU459	Lower B 700 MHz

The frequency used in the coverage plots behind Tab G in AT&T's Petition dated October 4, 2011 is cellular. Additional coverage plots of PCS and 700MHz coverage are included as Attachment 1.

Q4) Is the proposed site within a Federal Emergency Management Agency designated floodplain?

A4) The Aquarion water treatment plant is located within a designated floodplain associated with the Mianus River. Refer to the attached Flood Insurance Rate Map, Town of Greenwich, Connecticut, Fairfield County, Panel 504 of 626, Map Number 09001C0504F, Effective Date June 18, 2010 included as Attachment 2.

The existing water tank and proposed AT&T facility are located just outside of a Zone X (shaded) designated floodplain, which is defined as areas of moderate flood hazard, usually the area between the limits of the 100-year and 500-year floods. A review of the Flood Profiles in the most recent study for the Mianus River reveals that the flood elevation for Zone X in proximity to the site is approximately 71.7 feet (North American Vertical Datum [NAVD] 1988).<sup>1</sup> The spot elevations for the existing water tank and proposed shelter locations are 72' to 73' in elevations. Additionally, as depicted in the Flood Profile Panel 227P, included in Attachment 2, the site is located approximately 50 feet upstream of the dam located next to Cross Section J. Attached please also find revised drawings C01 and C02. The map reference for note 9 on sheet C01 was modified to clarify that the site falls within Zone X (unshaded). On sheet C02, a 71.7' contour has been added defining the limits of the Zone X (shaded) and confirming that the site is outside the Zone X (shaded) limits. Therefore, no adverse impact is anticipated by the proposed development.

Q5) Is the proposed site within a Natural Diversity Database area? Has AT&T corresponded with the Department of Energy and Environmental Protection regarding wildlife?

A5) According to the most recent Natural Diversity Data Base (NDDDB) map, the Aquarion water treatment plant is located within a "shaded area", which represents the general location of a rare species. Please refer to the exhibit incorporating NDDDB map data in Attachment 3. A request for NDDDB State Listed Species Review (Request No. 201107956) was submitted to the Department of Energy and Environmental Protection on December 21, 2011 with photos and plans, a copy of which is included in attachment 3. Ms. Dawn McKay of the NDDDB responded in a December 22, 2011 letter with a determination "that the proposed activities outlined in your request will not impact any extant populations of Federal or State Endangered, Threatened or Special Concern Species that occur in the vicinity of this property." A copy of the NDDDB response letter dated December 22, 2011 is included in Attachment 3.

Q6) What would AT&T use for backup power? How long would that last in the event of a power failure?

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<sup>1</sup> CHA drawing CO1, Note 9 and C02 have been updated and revised with copies included in Attachment 2.

A6) AT&T would use a battery backup system located in its proposed equipment shelter. When the batteries are new, a charge will last for approximately 8-12 hours depending on site usage. In the event of a prolonged power outage, AT&T could utilize a temporary mobile generator at the facility location.

Q7) Is any portion of the proposed facility within Class 1 watershed land? Please provide an aerial photograph of the boundary of the Class 1 watershed land and the distance of the nearest portion of the proposed facility to that boundary.

A7) The Aquarion water treatment plant and associated land are adjacent to the Mianus River. That portion of the land where the water tank and AT&T facility are located is within 100' of the Mianus River. As such, AT&T believes the land itself which is owned by a water company would be defined as Class I watershed land for purposes of Section 25-37c(a)(1). Other areas of the Aquarion property are Class II and Class III watershed land based on relative distances from the Mianus River. An aerial photograph/map with the Class I watershed land "line" is included in Attachment 4.

The Council is respectfully referred to Section 25-32(f) of the Connecticut General Statutes which allows wireless facilities at water tank site locations owned by water companies, even if the underlying land is classified as Class I watershed land. The Council's database lists 80 water tank sites throughout the State of Connecticut that host wireless facilities. One nearby example is an Aquarion water tank on DeKraft Road that is in close proximity to the Putnam Lake Reservoir and another one of Aquarion's water treatment plants in the Town of Greenwich. The underlying land in that case is otherwise regulated as Class I watershed land and T-Mobile has a facility located at the water tank. An aerial photograph/map with that existing water tank/wireless facility site is also included in Attachment 4 for comparison purposes.

CERTIFICATE OF SERVICE

I hereby certify that on this day, an original and 20 copies of the foregoing was sent electronically and by overnight delivery to the Connecticut Siting Council with a copy by first class mail to:

Mario F. Coppola, Esq.  
Bercham, Moses, and Devlin, P.C.  
27 Imperial Avenue  
Westport, Connecticut 06880

Dated: February 2, 2012

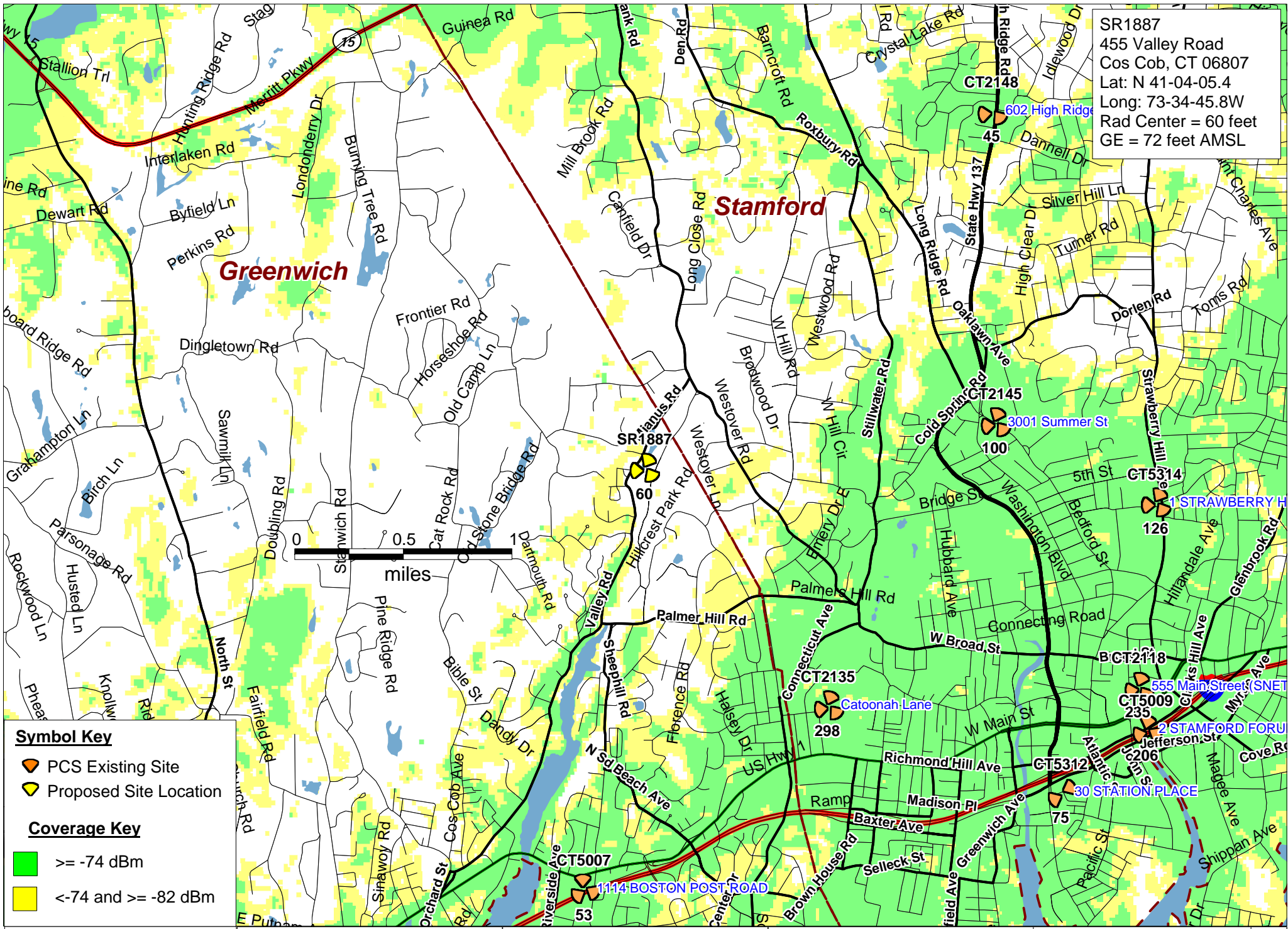


Daniel M. Laub, Esq.

cc: Michele Briggs, AT&T  
Liz Camerino-Schultz, Aquarion



## Attachment 1



Existing Coverage  
 PCS

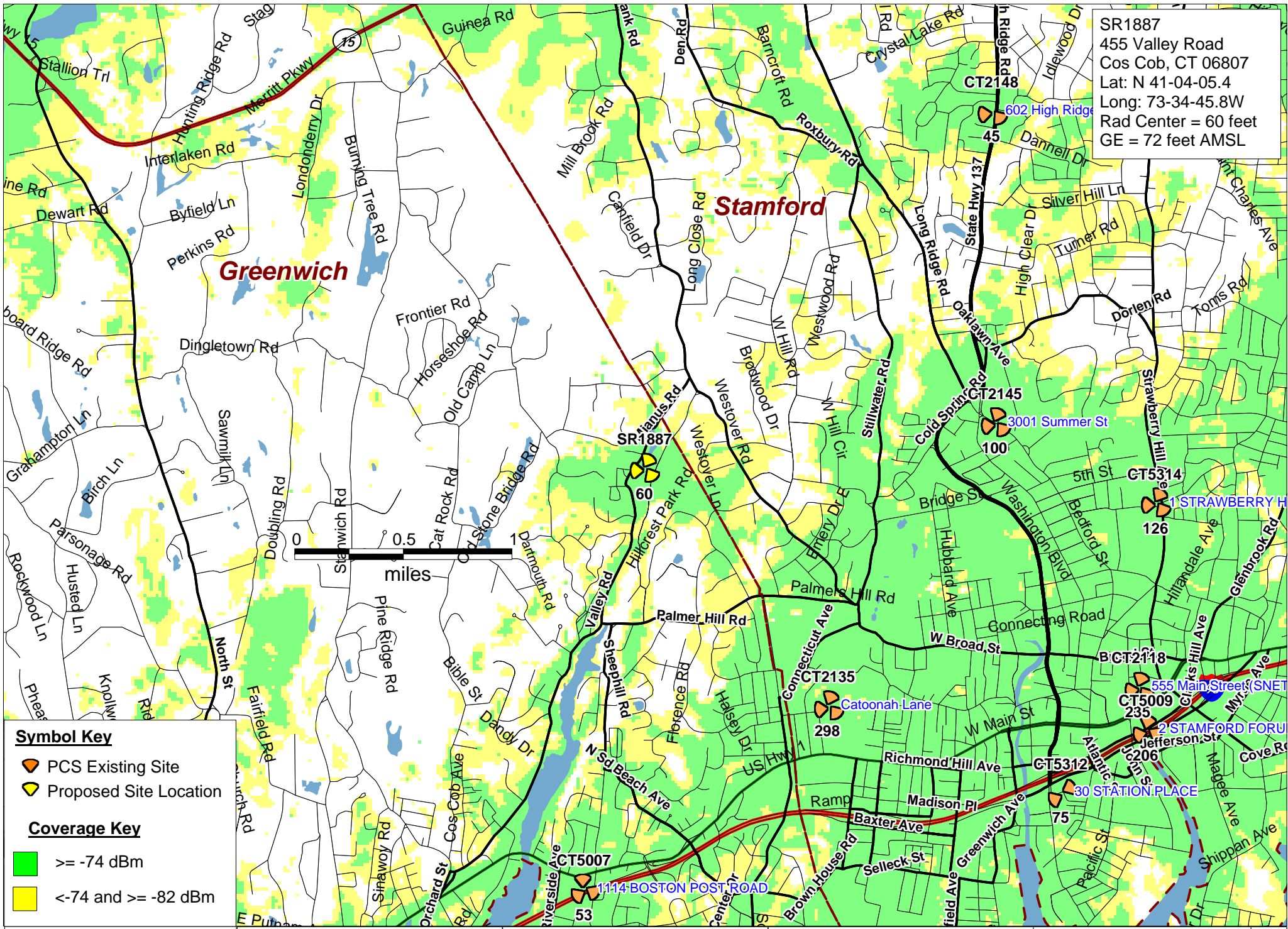
**Cos Cob, CT**

455 Valley Road  
 Cos Cob, CT 06807





PREPARED ON  
 DATE: 01/25/2012

REV 0





SR1887  
 455 Valley Road  
 Cos Cob, CT 06807  
 Lat: N 41-04-05.4  
 Long: 73-34-45.8W  
 Rad Center = 60 feet  
 GE = 72 feet AMSL

**Symbol Key**

-  PCS Existing Site
-  Proposed Site Location

**Coverage Key**

-   $\geq -74$  dBm
-   $< -74$  and  $\geq -82$  dBm

Existing & Proposed  
 PCS

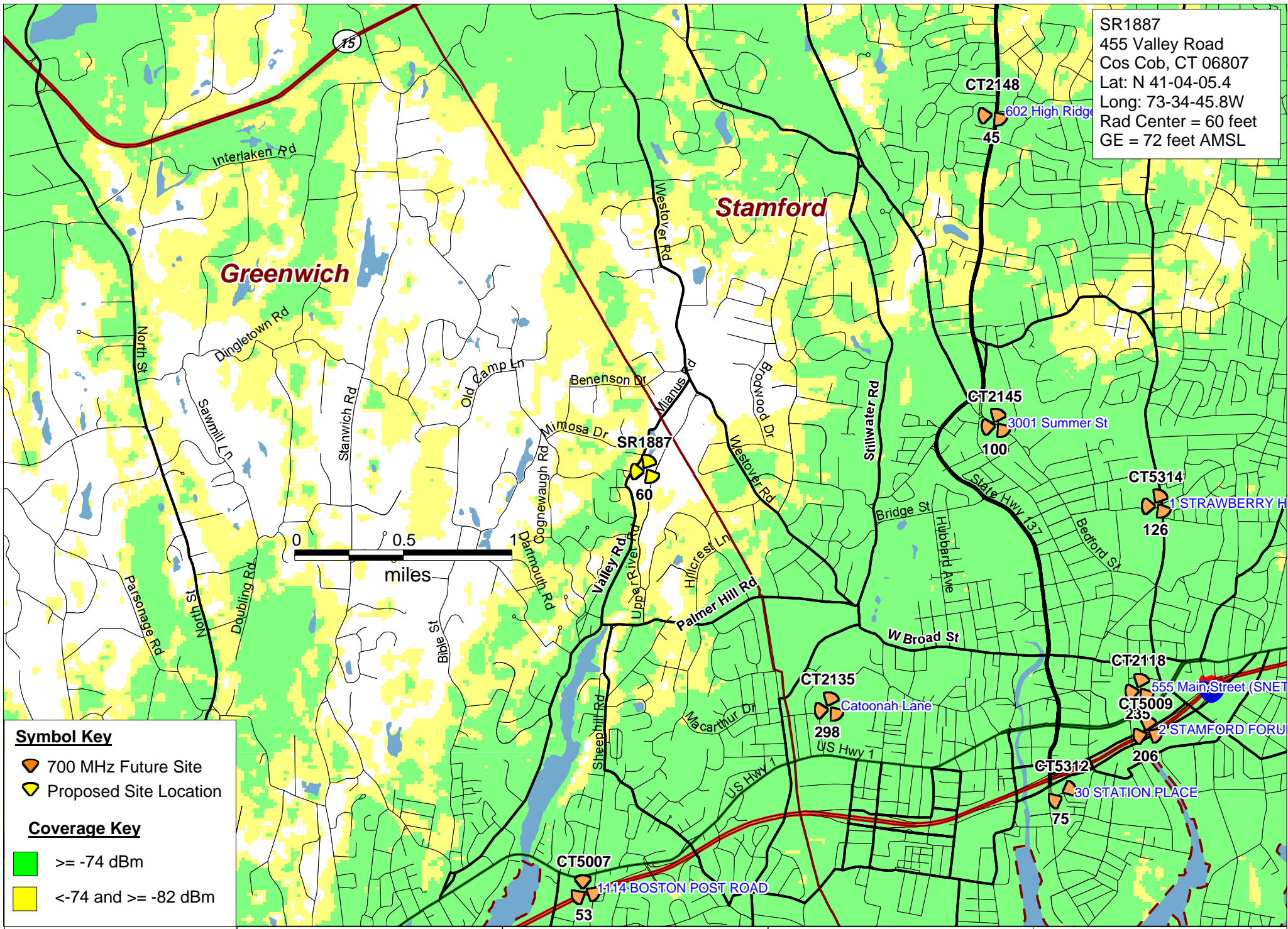
**Cos Cob, CT**

455 Valley Road  
 Cos Cob, CT 06807



PREPARED ON \_\_\_\_\_  
 DATE: 01/25/2012  
 REV 0





SR1887  
 455 Valley Road  
 Cos Cob, CT 06807  
 Lat: N 41-04-05.4  
 Long: 73-34-45.8W  
 Rad Center = 60 feet  
 GE = 72 feet AMSL

- Symbol Key**
- 700 MHz Future Site
  - Proposed Site Location
- Coverage Key**
- >= -74 dBm
  - <-74 and >= -82 dBm

Existing Coverage  
 700 MHz

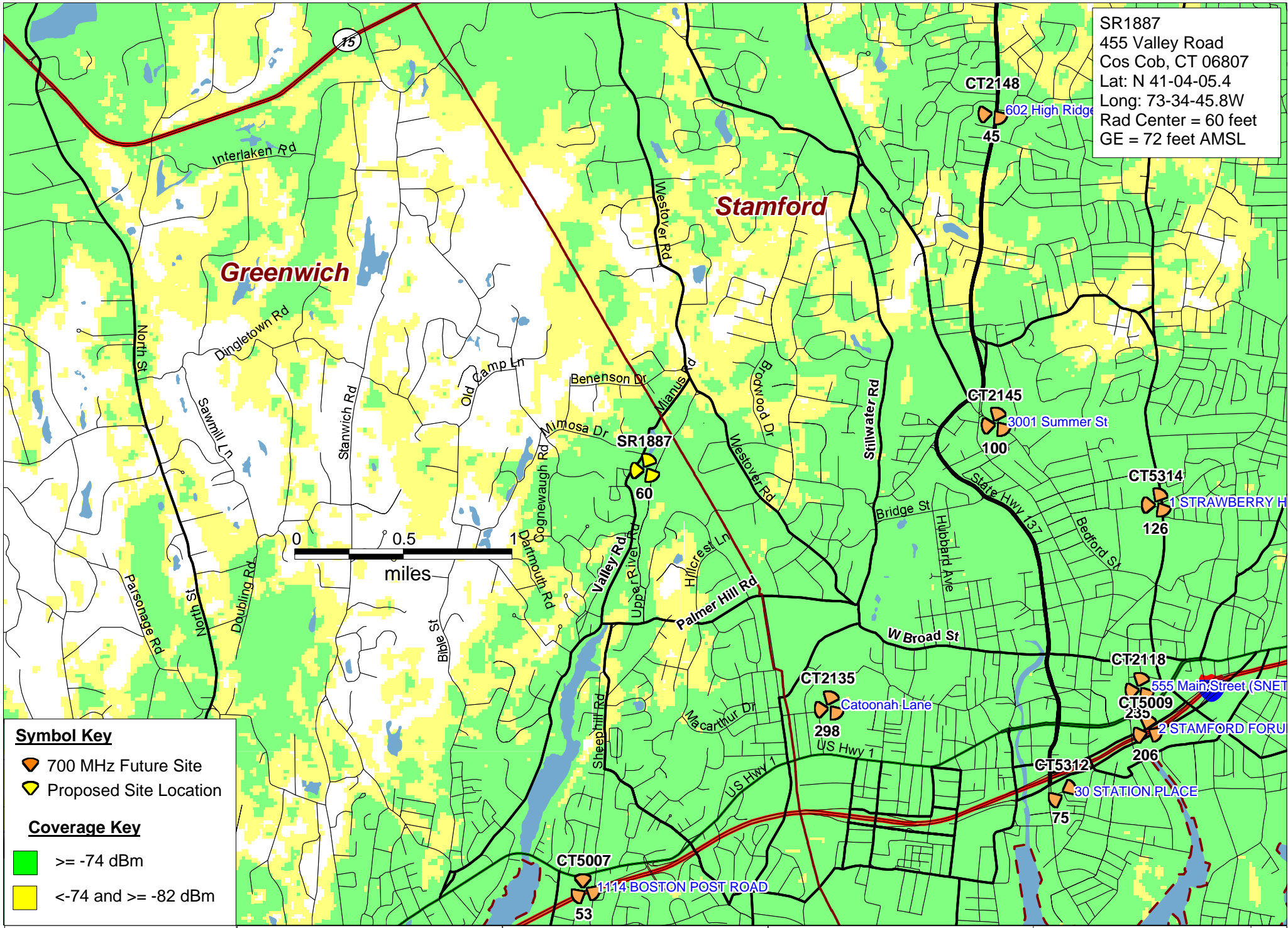
**Cos Cob, CT**

455 Valley Road  
 Cos Cob, CT 06807



PREPARED ON	
DATE: 01/25/2012	REV 0

SR1887  
 455 Valley Road  
 Cos Cob, CT 06807  
 Lat: N 41-04-05.4  
 Long: 73-34-45.8W  
 Rad Center = 60 feet  
 GE = 72 feet AMSL



**Symbol Key**

- 700 MHz Future Site
- Proposed Site Location

**Coverage Key**

- >= -74 dBm
- <-74 and >= -82 dBm

Existing & Proposed  
 700 MHz

**Cos Cob, CT**

455 Valley Road  
 Cos Cob, CT 06807

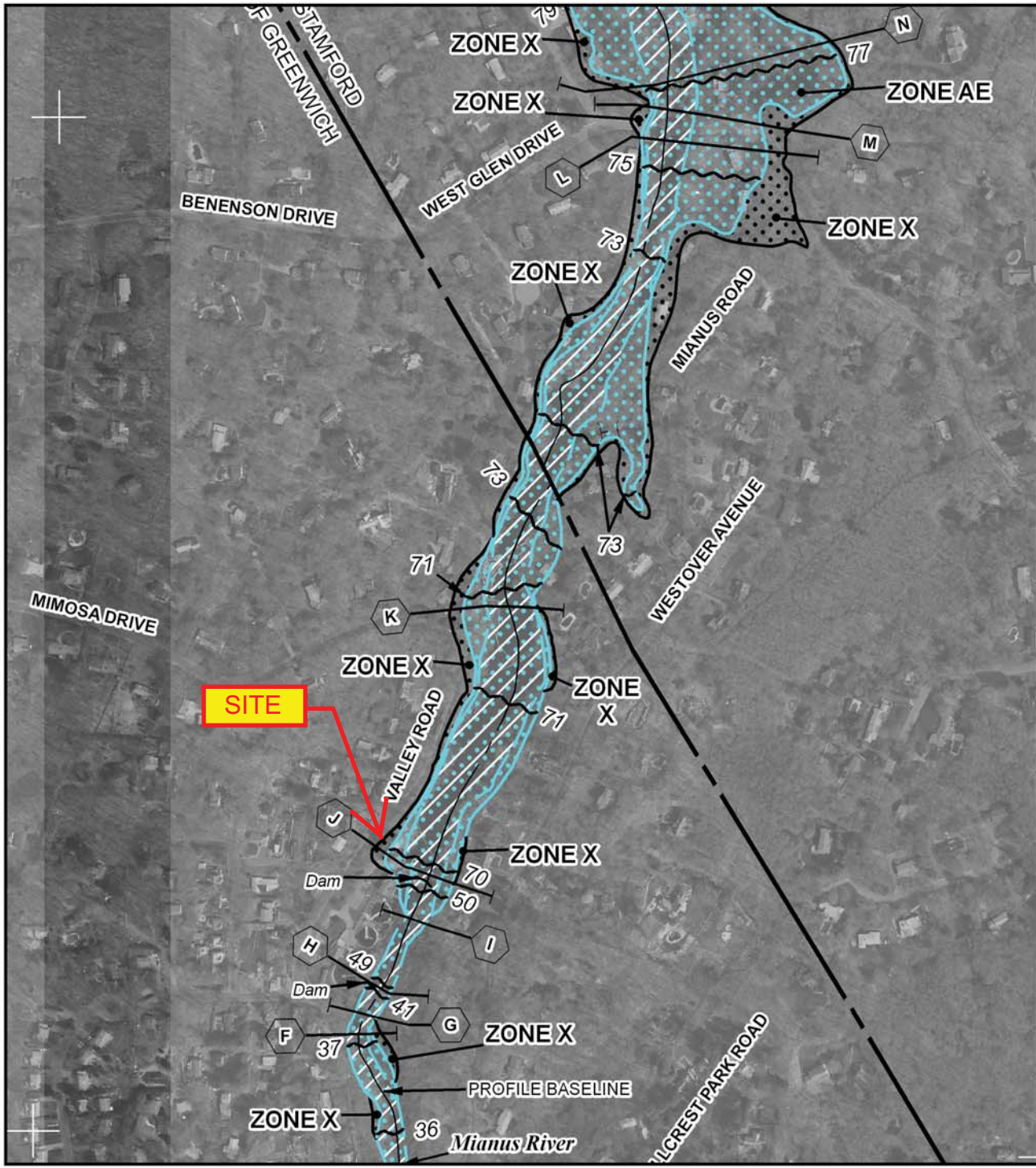


PREPARED ON  
 DATE: 01/25/2012

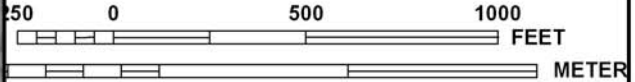
REV  
 0

## Attachment 2





MAP SCALE 1" = 500'



NFIP

PANEL 0504F

# FIRM

FLOOD INSURANCE RATE MAP

FAIRFIELD COUNTY,  
CONNECTICUT  
(ALL JURISDICTIONS)

PANEL 504 OF 626

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
GREENWICH, TOWN OF	090008	0504	F
STAMFORD, CITY OF	090015	0504	F

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



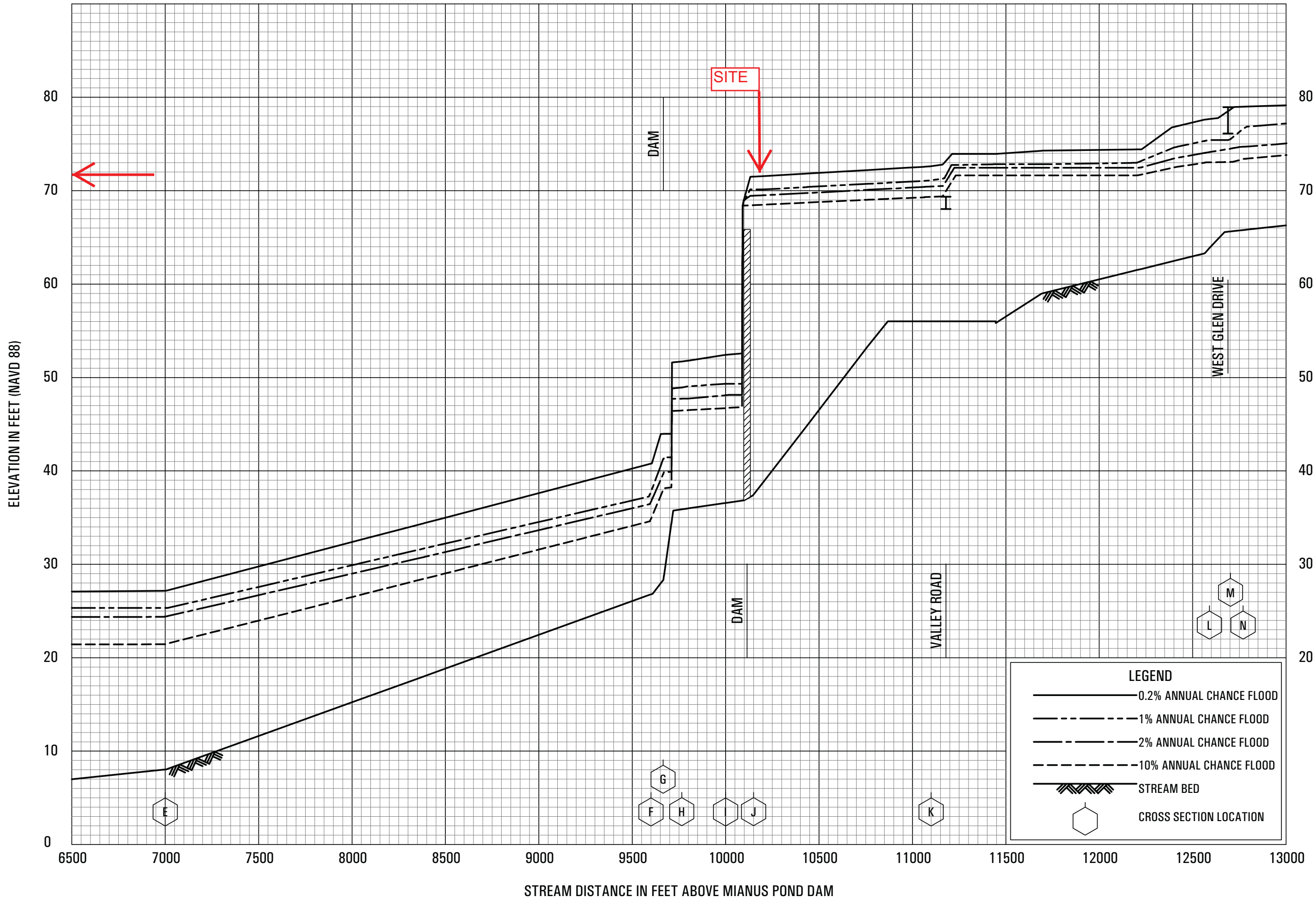
MAP NUMBER  
09001C0504F

EFFECTIVE DATE  
JUNE 18, 2010

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)





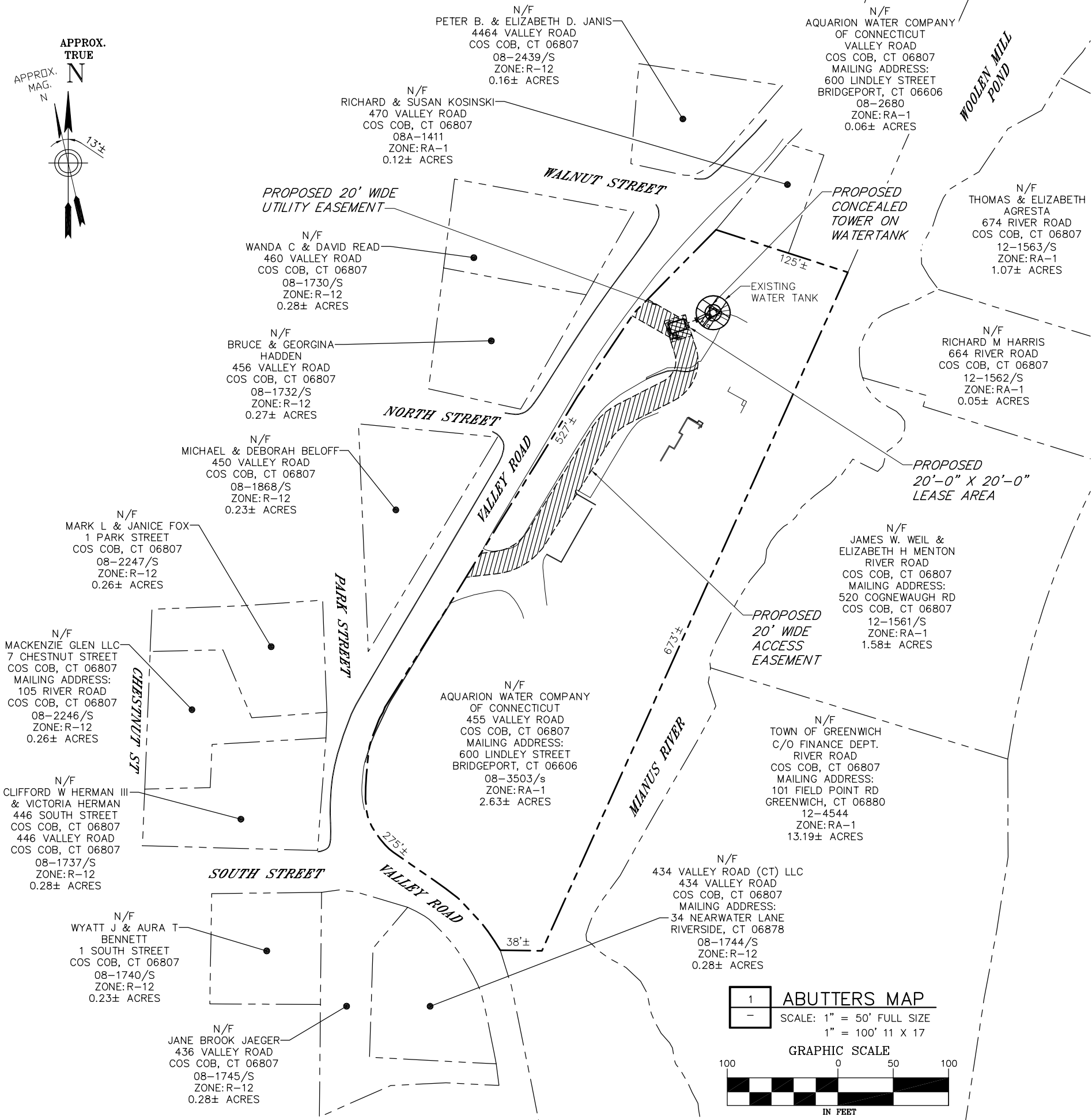
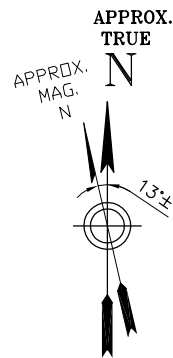
FLOOD PROFILES

MIANUS RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

FAIRFIELD COUNTY, CT

(ALL JURISDICTIONS)



N/F  
PETER B. & ELIZABETH D. JANIS  
4464 VALLEY ROAD  
COS COB, CT 06807  
08-2439/S  
ZONE:R-12  
0.16± ACRES

N/F  
AQUARIUM WATER COMPANY  
OF CONNECTICUT  
VALLEY ROAD  
COS COB, CT 06807  
MAILING ADDRESS:  
600 LINDLEY STREET  
BRIDGEPORT, CT 06606  
08-2680  
ZONE:RA-1  
0.06± ACRES

N/F  
RICHARD & SUSAN KOSINSKI  
470 VALLEY ROAD  
COS COB, CT 06807  
08A-1411  
ZONE:RA-1  
0.12± ACRES

N/F  
THOMAS & ELIZABETH  
AGRESTA  
674 RIVER ROAD  
COS COB, CT 06807  
12-1563/S  
ZONE:RA-1  
1.07± ACRES

N/F  
WANDA C & DAVID READ  
460 VALLEY ROAD  
COS COB, CT 06807  
08-1730/S  
ZONE:R-12  
0.28± ACRES

PROPOSED  
CONCEALED  
TOWER ON  
WATERTANK

N/F  
BRUCE & GEORGINA  
HADDEEN  
456 VALLEY ROAD  
COS COB, CT 06807  
08-1732/S  
ZONE:R-12  
0.27± ACRES

N/F  
RICHARD M HARRIS  
664 RIVER ROAD  
COS COB, CT 06807  
12-1562/S  
ZONE:RA-1  
0.05± ACRES

N/F  
MICHAEL & DEBORAH BELOFF  
450 VALLEY ROAD  
COS COB, CT 06807  
08-1868/S  
ZONE:R-12  
0.23± ACRES

N/F  
JAMES W. WEIL &  
ELIZABETH H MENTON  
RIVER ROAD  
COS COB, CT 06807  
MAILING ADDRESS:  
520 COGNEWAUGH RD  
COS COB, CT 06807  
12-1561/S  
ZONE:RA-1  
1.58± ACRES

N/F  
MARK L & JANICE FOX  
1 PARK STREET  
COS COB, CT 06807  
08-2247/S  
ZONE:R-12  
0.26± ACRES

PROPOSED  
20' WIDE  
ACCESS  
EASEMENT

N/F  
MACKENZIE GLEN LLC  
7 CHESTNUT STREET  
COS COB, CT 06807  
MAILING ADDRESS:  
105 RIVER ROAD  
COS COB, CT 06807  
08-2246/S  
ZONE:R-12  
0.26± ACRES

N/F  
AQUARIUM WATER COMPANY  
OF CONNECTICUT  
455 VALLEY ROAD  
COS COB, CT 06807  
MAILING ADDRESS:  
600 LINDLEY STREET  
BRIDGEPORT, CT 06606  
08-3503/s  
ZONE:RA-1  
2.63± ACRES

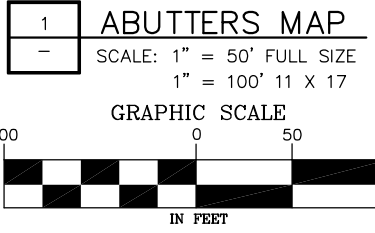
N/F  
TOWN OF GREENWICH  
C/O FINANCE DEPT.  
RIVER ROAD  
COS COB, CT 06807  
MAILING ADDRESS:  
101 FIELD POINT RD  
GREENWICH, CT 06880  
12-4544  
ZONE:RA-1  
13.19± ACRES

N/F  
CLIFFORD W HERMAN III  
& VICTORIA HERMAN  
446 SOUTH STREET  
COS COB, CT 06807  
446 VALLEY ROAD  
COS COB, CT 06807  
08-1737/S  
ZONE:R-12  
0.28± ACRES

N/F  
434 VALLEY ROAD (CT) LLC  
434 VALLEY ROAD  
COS COB, CT 06807  
MAILING ADDRESS:  
34 NEARWATER LANE  
RIVERSIDE, CT 06878  
08-1744/S  
ZONE:R-12  
0.28± ACRES

N/F  
WYATT J & AURA T  
BENNETT  
1 SOUTH STREET  
COS COB, CT 06807  
08-1740/S  
ZONE:R-12  
0.23± ACRES

N/F  
JANE BROOK JAEGER  
436 VALLEY ROAD  
COS COB, CT 06807  
08-1745/S  
ZONE:R-12  
0.28± ACRES



**SURVEY NOTES:**

1. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. ON SEPTEMBER 26, 1996. THE BOUNDARY LINES SHOWN ON THIS PLAN WERE COMPILED FROM OTHER MAPS, RECORD RESEARCH OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY, AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE.

TYPE OF SURVEY: COMPILATION PLAN

BOUNDARY DETERMINATION CATEGORY: NONE

CLASS OF ACCURACY: HORIZONTAL CLASS A-2  
VERTICAL CLASS V-2  
TOPOGRAPHIC CLASS T-2

2. PROPERTY LINE SHOWN HEREON ARE FROM RECORD DEEDS PLOTS AND/OR TAX MAPS AS OVERLAID ON ANY MONUMENTATION OR OTHER EVIDENCE THAT MAY HAVE BEEN LOCATED DURING THE TOPOGRAPHIC SURVEY. A PROPERTY SURVEY WAS NOT PERFORMED BY CHA AND AS A RESULT THE PROPERTY LINES SHOWN ARE APPROXIMATE AND DO NOT PRESENT A PROPERTY/BOUNDARY OPINION.

3. BASE MAPPING PREPARED BY CHA FROM AN JULY 2011 FIELD SURVEY.

4. NORTH ORIENTATION IS TRUE NORTH BASED ON GPS OBSERVATIONS TAKEN AT THE TIME OF THE FIELD SURVEY.

5. UNDERGROUND UTILITIES, STRUCTURES AND FACILITIES HAVE BEEN SHOWN FROM SURFACE LOCATIONS AND MEASUREMENTS OBTAINED FROM A FIELD SURVEY, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER UTILITIES WHICH THE EXISTENCE OF ARE NOT KNOWN. SIZE, TYPE AND LOCATION OF ALL UTILITIES AND STRUCTURES MUST BE VERIFIED BY PROPER AUTHORITIES PRIOR TO ANY AND ALL CONSTRUCTION. CALL DIG SAFE PRIOR.

6. SUBJECT TO ANY STATEMENT OF FACTS THAT AN UP-TO-DATE ABSTRACT OF TITLE WOULD DISCLOSE.

7. SUBJECT TO ALL RIGHTS, EASEMENTS, COVENANTS OR RESTRICTIONS OF RECORD.

8. LATITUDE/LONGITUDE/ELEVATIONS WERE OBTAINED BY GPS OBSERVATIONS. LATITUDE/LONGITUDE ARE REFERENCED TO NAD83 CONNECTICUT ZONE. COORDINATES SHOWN, IF ANY, ARE EXPRESSED IN U.S. SURVEY FEET. ELEVATIONS ARE REFERENCED TO NAVD88. TOP OF STRUCTURE HEIGHT AS SHOWN, IF ANY, DETERMINED BY VERTICAL ANGLE OR BY ACTUAL LOCATION. INFORMATION SHOWN BASED ON FAA 1A CERTIFICATION ACCURACY LEVEL DEFINED AS:  
HORIZONTAL: ±20 FEET / 6 METERS  
VERTICAL: ±3 FEET / 1 METERS

9. SITE FALLS WITHIN ZONE "X" (UNSHADED) DEFINED AS AREAS TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, PER FLOOD INSURANCE RATE MAP, TOWN OF GREENWICH, CONNECTICUT, FAIRFIELD COUNTY, PANEL 504 OF 626, MAP NUMBER 09001C0504F, EFFECTIVE DATE JUNE 18, 2010.

**MAP REFERENCES:**

- MAP ENTITLED "IMPROVEMENT LOCATION SURVEY AND COMPILED PROPERTY LINE SURVEY- VALLEY ROAD GREENWICH, CONNECTICUT, PREPARED FOR TIGHE & BOND" AS PREPARED BY CHAS. H. SELLS, INC., DATED DECEMBER 28, 2005.
- TOWN OF GREENWICH TAX MAPS 400, 401 & 402 VOL5.



NEW CINGULAR WIRELESS PCS, LLC  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06067

Drawing Copyright © 2011



2139 Silas Deane Highway, Suite 212 - Rocky Hill, CT 06067-2336  
Main: (860) 257-4557 - www.chacompanies.com

CHA PROJECT NO:  
18301 - 1077 - 43000

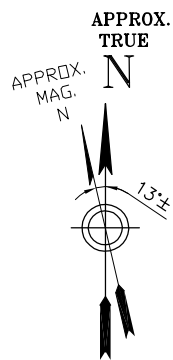
NO.	SUBMITTAL
0	09/20/11 ISSUED FOR CSC CERTIFICATE
	BY: PAL CHK: PAL APP'D: PAL

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

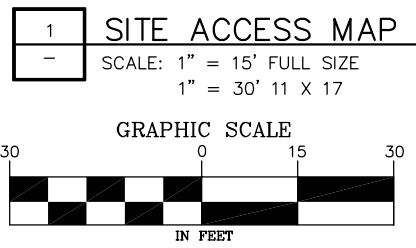
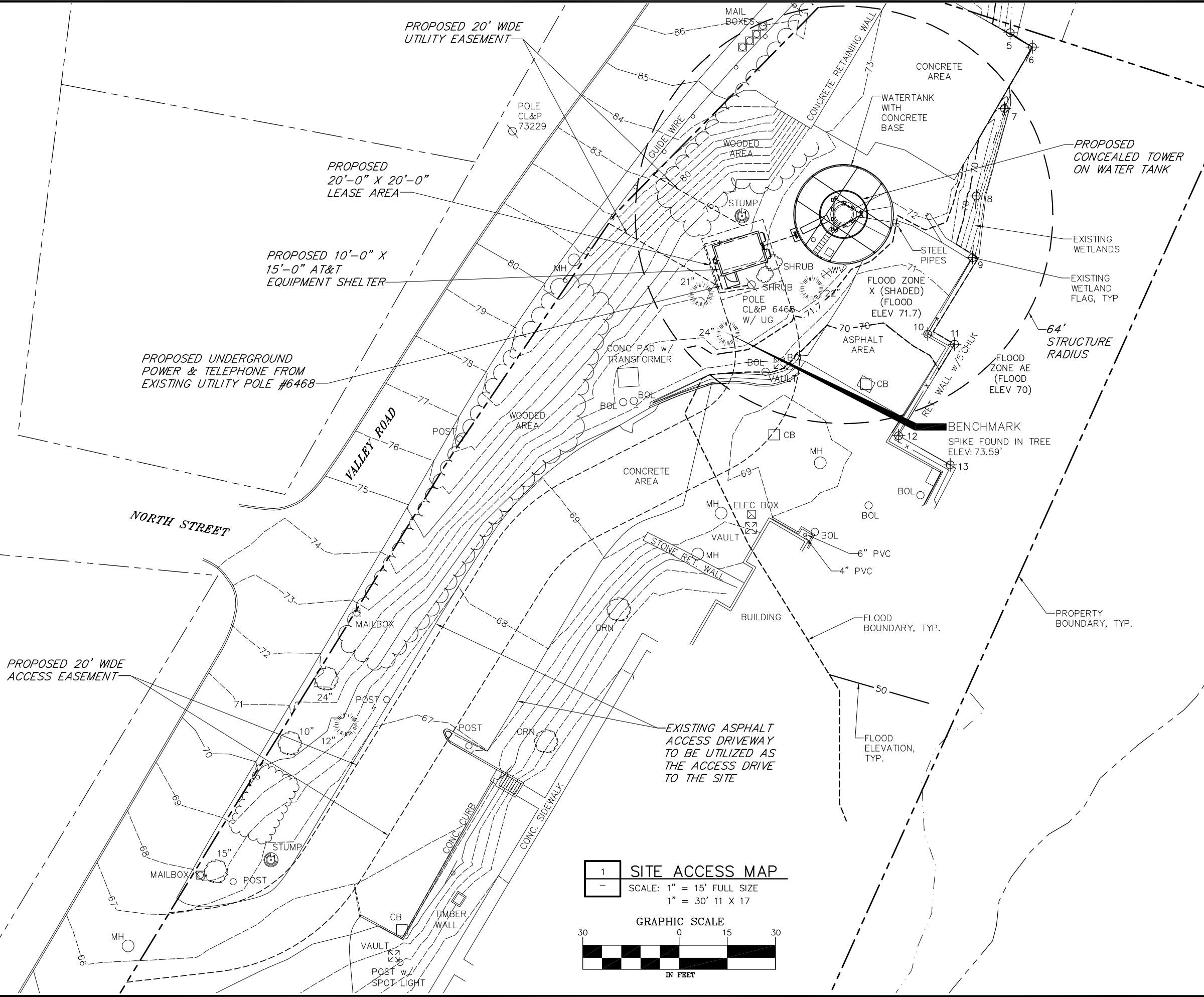
SITE ID:  
CT1887  
SITE NAME:  
MIANUS WASH  
WATER TANK  
SITE ADDRESS:  
455 VALLEY ROAD  
COS COB, CT  
06807  
FAIRFIELD COUNTY

SHEET TITLE  
ABUTTERS  
MAP

SHEET NUMBER  
C01



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**at&t**  
Your world. Delivered.

NEW CINGULAR WIRELESS PCS, LLC  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06067

Drawing Copyright © 2011

2139 Silas Deane Highway, Suite 212 - Rocky Hill, CT 06067-2336  
Main: (860) 257-4557 - www.chacompanies.com

CHA PROJECT NO:  
18301 - 1077 - 43000

NO.	DATE	DESCRIPTION
0	09/20/11	ISSUED FOR CSC CERTIFICATE
	BY: PAL	CHK: PAL APP'D: PAL

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

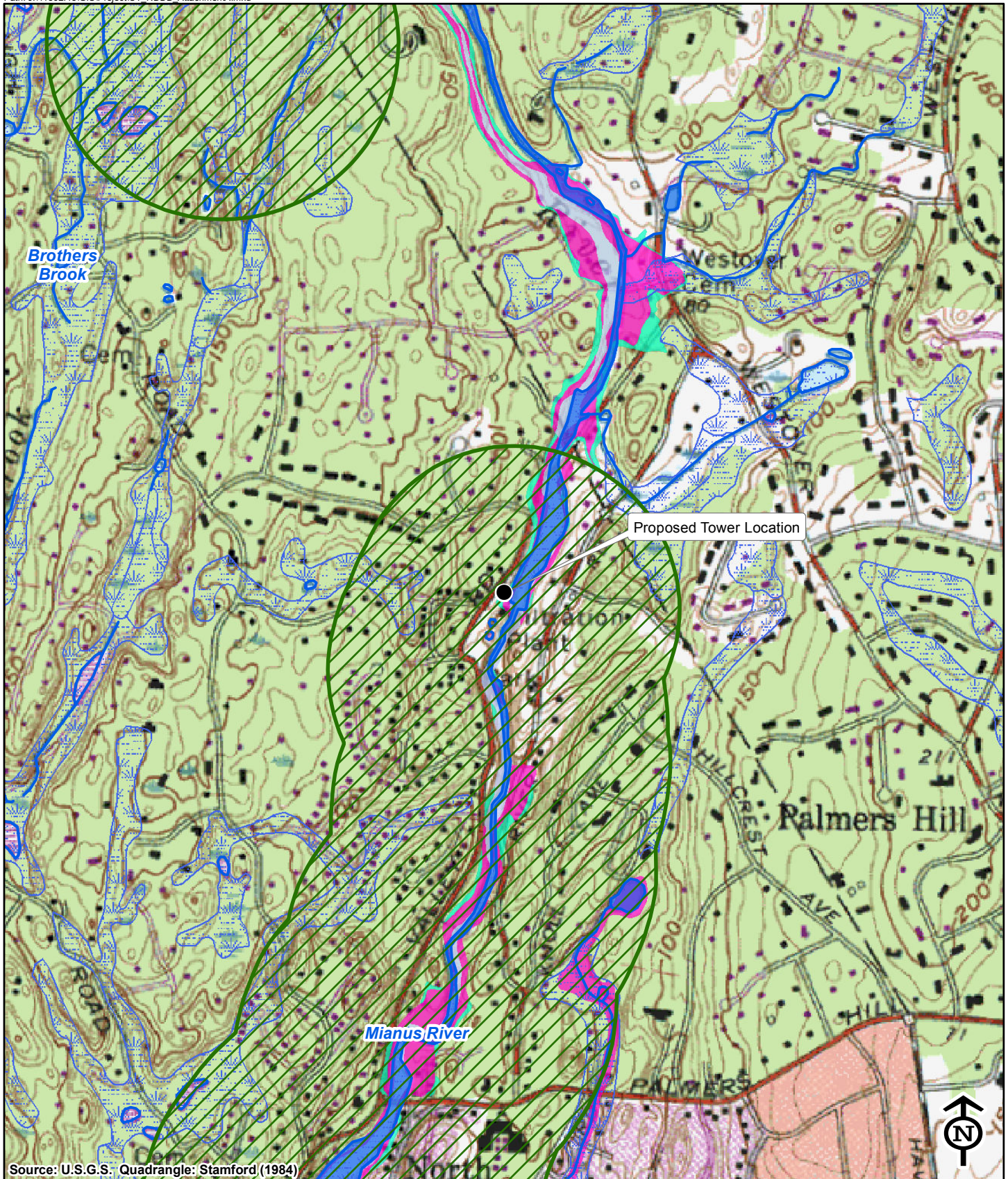
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CT1887  
SITE NAME:  
MIANUS WASH  
WATER TANK  
SITE ADDRESS:  
455 VALLEY ROAD  
COS COB, CT  
06807  
FAIRFIELD COUNTY

SHEET TITLE  
SITE ACCESS MAP

SHEET NUMBER  
C02

## Attachment 3

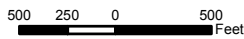




Source: U.S.G.S. Quadrangle: Stamford (1984)

**Legend**

- Proposed Tower Location
- NDDB Areas (CTDEP, 12/2011)
- ▨ Critical Habitat (CTDEP, 12/2009)
- ☁ Wetlands (CTDEP, 2005)
- 💧 Open Water
- FEMA Flood Zone
- 100 Year Flood Zone
- 500 Year Flood Zone
- Floodway in Zone AE
- Other Flood Areas



**Vanasse Hangen Brustlin, Inc.**

**Attachment A**  
**Natural Diversity Data Base (NDDB)**  
**State and Federally-Listed Endangered,**  
**Threatened, and Special Concern Species**  
**and Significant Natural Communities Screen**  
**Proposed Wireless Telecommunications Facility**  
**SR-1887 Mianus Wash Water Tank**  
**455 Valley Road**  
**Cos Cob, Connecticut**





Connecticut Department of  
Energy & Environmental Protection  
Bureau of Natural Resources  
Wildlife Division

**CPPU USE ONLY**

App #: \_\_\_\_\_

Doc #: \_\_\_\_\_

Check #: No fee required

Program: Natural Diversity Database  
Endangered Species

Hardcopy \_\_\_\_\_ Electronic \_\_\_\_\_

## Request for Natural Diversity Data Base (NDDB) State Listed Species Review

Please complete this form in accordance with the instructions (DEP-INST-007) to ensure proper handling of your request.

**There are no fees associated with NDDB Reviews.**

### Part I: Preliminary Screening

Before submitting this request, you must review the Natural Diversity Data Base "State and Federal Listed Species and Significant Natural Communities Maps" found on the DEEP website. Follow the instructions on the map or in this form's instruction document. These maps are updated twice a year, usually in June and December.

Does your site, including all affected areas, meet the screening criteria according to the instructions:

Yes     No

Enter the date of the map reviewed for pre-screening: December 2011

### Part II: Requester Information

*\*If the requester is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, the company name shall be stated **exactly** as it is registered with the Secretary of State. This information can be accessed at CONCORD.*

*If the requester is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).*

1. Requester Company Name\*: **SAI Communications for New Cingular Wireless, PCS, LLC ("AT&T")**

Name:

Address: **500 Enterprise Drive**

City/Town: **Rocky Hill**

State: **CT**

Zip Code: **06067**

Business Phone:

ext.

Fax:

E-mail:

By providing this email address you are agreeing to receive official correspondence from the department, at this electronic address, concerning this request. Please remember to check your security settings to be sure you can receive emails from "ct.gov" addresses. Also, please notify the department if your e-mail address changes.

Requester can best be described as:

Business Entity     Federal Agency     Municipal govt.     State agency     Individual  
 Tribe     Other (specify):

Acting as (Affiliation), pick one:

Property owner     Consultant     Engineer     Facility owner     Applicant  
 Biologist     Pesticide Applicator     Other representative:

## Part II. Requester Information (continued)

### 2. List Primary Contact to receive Natural Diversity Data Base correspondence and inquiries, if different from requester.

Company: **Vanasse Hangen Brustlin, Inc.**

Contact Person: **Coreen Kelsey**

Title: **Environmental Coordinator**

Mailing Address: **54 Tuttle Place**

City/Town: **Middletown**

State: **CT**

Zip Code: **06457**

Business Phone: **860-632-1500**

ext. **2306**

Fax: **860-632-7879**

E-mail: **ckelsey@vhb.com**

By providing this email address you are agreeing to receive official correspondence from the department, at this electronic address, concerning this request. Please remember to check your security settings to be sure you can receive emails from "ct.gov" addresses. Also, please notify the department if your e-mail address changes.

## Part III: Site Information

This request can only be completed for one site. A separate request must be filed for each additional site.

### 1. SITE NAME AND LOCATION

Site Name or Project Name: **SR1887 - Mianus Wash Water Tank**

Town(s): **Cos Cob (Greenwich)**

Street Address or Location Description:

**455 Valley Road**

Size in acres, or site dimensions: **20' x 20' compound area and 20' wide utility easement**

Latitude and longitude of the center of the site in decimal degrees (e.g., 41.23456 -71.68574):

Latitude: **41.068167**

Longitude: **73.579389**

Method of coordinate determination (check one):

GPS     Photo interpolation using CTECO map viewer     Other (specify):

### 2a. Describe the current land use and land cover of the site.

The subject parcel is developed as an Aquarion Water Treatment Plant.

### b. Check all that apply and enter the size in acres or % of area in the space after each checked category.

Industrial/Commercial \_\_\_\_\_

Residential \_\_\_\_\_

Forest \_\_\_\_\_

Wetland \_\_\_\_\_

Field/grassland \_\_\_\_\_

Agricultural \_\_\_\_\_

Water \_\_\_\_\_

Utility Right-of-way \_\_\_\_\_

Transportation Right-of-way \_\_\_\_\_

Other (specify): **100% existing paved drive and**

**maintained lawn within water treatment plant**



## Part IV: Project Information

### 1. PROJECT TYPE:

Choose Project Type: Cellular/Communications tower installation/maint. , If other describe: \_\_\_\_\_

2. Is the subject activity limited to the maintenance, repair, or improvement of an existing structure within the existing footprint?     Yes     No    If yes, explain.

3. Give a detailed description of the activity which is the subject of this request and describe the methods and equipment that will be used.

A proposed telecommunications facility will be installed adjacent to an existing water tank. Antennas will be installed on top of the water tank. Associated ground equipment will be installed within a 20' x 20' compound area.

4. Provide a contact for questions about the project details if different from Part II primary contact.

Name: **Dean Gustafson**

Phone: 860-632-1500

E-mail: [dgustafson@vhb.com](mailto:dgustafson@vhb.com)

## Part V: Request Type and Associated Application Type

Check *one* box from either Group 1 or Group 2, indicating the appropriate category for this request.

**Group 1.** If you check one of these boxes, fill out Parts I – VII of this form and submit the required attachments A and B.

- Preliminary screening was negative but an NDDB review is still requested
- Request regards a municipally regulated or unregulated activity (no state permit/certificate needed)
- Request regards a preliminary site assessment or project feasibility study
- Request relates to land acquisition or protection
- Request is associated with a *renewal* of an existing permit, with no modifications

**Group 2.** If you check one of these boxes, fill out Parts I – VII of this form and submit required attachments A, B, and C.

- Request is associated with a *new* state or federal permit application
- Request is associated with modification of an existing permit
- Request is associated with a permit enforcement action
- Request regards site management or planning, requiring detailed species recommendations
- Request regards a state funded project, state agency activity, or CEPA request

If you are filing this request as part of a state or federal permit application enter the application information below.

Permitting Agency and Application Name:  
**Connecticut Siting Council, Certificate of Environmental Compatibility and Public Need**

State DEEP Application Number, if known: \_\_\_\_\_

State DEEP Enforcement Action Number, if known: \_\_\_\_\_

State DEEP Permit Analyst/Engineer, if known: \_\_\_\_\_

Is this request related to a previously submitted NDDB request?    Yes    No

Enter the previous NDDB Request Number(s), if known: \_\_\_\_\_


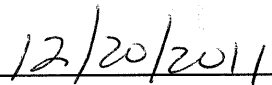
## Part VI: Supporting Documents

Check each attachment submitted as verification that *all* applicable attachments have been supplied with this request form. Label each attachment as indicated in this part (e.g., Attachment A, etc.) and be sure to include the requester's name, site name and the date. **Please note that Attachments A and B are required for all requesters.** Attachment C (DEP-APP-007C) is supplied at the end of this form.

<input checked="" type="checkbox"/> Attachment A:	<b>Overview Map:</b> an 8 1/2" X 11" print/copy of the relevant portion of a USGS Topographic Quadrangle Map clearly indicating the exact location of the site.
<input checked="" type="checkbox"/> Attachment B:	<b>Detailed Site Map:</b> fine scaled map showing site boundary details on aerial imagery with relevant landmarks labeled. (Site boundaries in GIS [ESRI ArcView shapefile, in NAD83, State Plane, feet] format can be substituted for detailed maps, see instruction document)
<input checked="" type="checkbox"/> Attachment C:	<b>Supplemental Information, Group 2 requirement (attached, DEP-APP-007C)</b> <input checked="" type="checkbox"/> Section i: Supplemental Site Information and supporting documents <input checked="" type="checkbox"/> Section ii: Supplemental Project Information and supporting documents

## Part VII: Requester Certification

The requester *and* the individual(s) responsible for actually preparing the request must sign this part. A request will be considered incomplete unless all required signatures are provided.

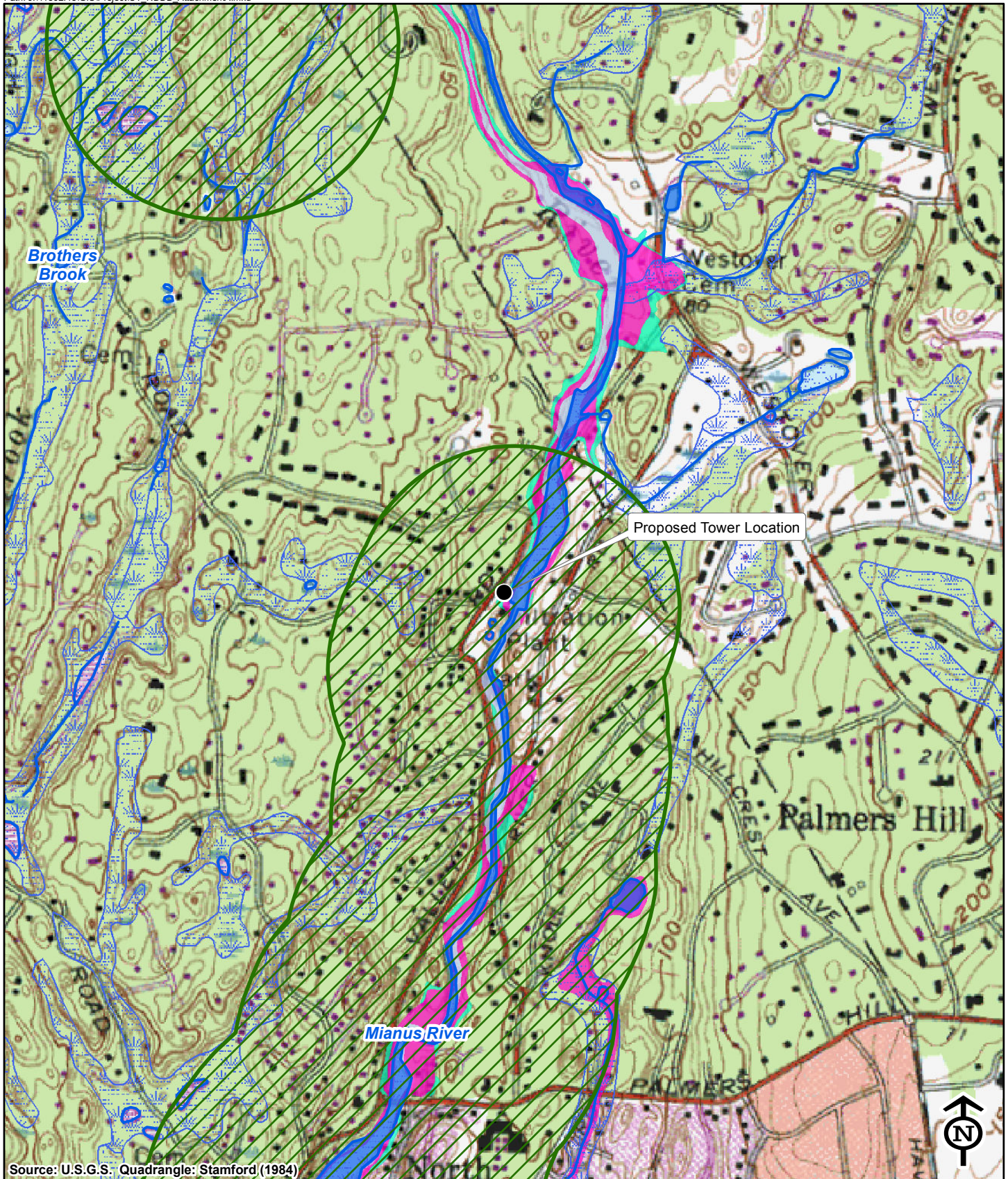
<p>"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief."</p>	
	
Signature of Requester	Date
<b>Coreen Kelsey</b>	<b>Environmental Coordinator</b>
Name of Requester (print or type)	Title (if applicable)
Signature of Preparer (if different than above)	Date
Name of Preparer (print or type)	Title (if applicable)

Note: Please submit the completed Request Form and all Supporting Documents to:

CENTRAL PERMIT PROCESSING UNIT  
 DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION  
 79 ELM STREET  
 HARTFORD, CT 06106-5127

Or email request to: [dep.nddbrequest@ct.gov](mailto:dep.nddbrequest@ct.gov)

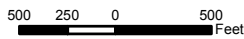




Source: U.S.G.S. Quadrangle: Stamford (1984)

**Legend**

- Proposed Tower Location
- NDDB Areas (CTDEP, 12/2011)
- ▨ Critical Habitat (CTDEP, 12/2009)
- ☁ Wetlands (CTDEP, 2005)
- 💧 Open Water
- FEMA Flood Zone
- 100 Year Flood Zone
- 500 Year Flood Zone
- Floodway in Zone AE
- Other Flood Areas



**Vanasse Hangen Brustlin, Inc.**





**Attachment A**  
**Natural Diversity Data Base (NDDB)**  
**State and Federally-Listed Endangered,**  
**Threatened, and Special Concern Species**  
**and Significant Natural Communities Screen**  
**Proposed Wireless Telecommunications Facility**  
**SR-1887 Mianus Wash Water Tank**  
**455 Valley Road**  
**Cos Cob, Connecticut**

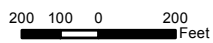




Base Map Source: 2010 color aerial photograph with 1-foot resolution.

**Legend**

-  Proposed Tower Location
-  Proposed Equipment Shelter Area
-  Approximate Site Property Boundary
-  Open Water



**Vanasse Hangen Brustlin, Inc.**

Attachment B  
 2010 Color Aerial Map  
 Proposed Wireless  
 Telecommunications Facility  
 SR-1887 Mianus Wash Water Tank  
 455 Valley Road  
 Cos Cob, Connecticut



# Attachment C: Supplemental Information, Group 2 requirement

## Section i: Supplemental Site Information

### 1. Existing Conditions

Describe all natural and man-made features including wetlands, watercourses, fish and wildlife habitat, floodplains and any existing structures potentially affected by the subject activity. Such features should be depicted and labeled on the site plan that must be submitted. Photographs of current site conditions may be helpful to reviewers.

The proposed facility and access drive and utility easement will be located in a maintained lawn area within an existing water treatment facility. Access to the facility originates over an existing paved driveway. A 100-year floodplain associated with the Mianus River encroaches over the existing driveway, however no grading is proposed in this area.

- Site Photographs (optional) attached**
- Site Plan/sketch of existing conditions attached**

### 2. Biological Surveys

Has a biologist visited the site and conducted a biological survey to determine the presence of any endangered, threatened or special concern species  Yes  No

If yes, complete the following questions and submit any reports of biological surveys, documentation of the biologist's qualifications, and any NDDB survey forms.

Biologist(s) name:

Habitat and/or species targeted by survey:

Dates when surveys were conducted:

- Reports of biological surveys attached**
- Documentation of biologist's qualifications attached**
- NDDB Survey forms for any listed species observations attached**

## Section ii: Supplemental Project Information

1. Provide a schedule for all phases of the project including the year, the month and/or season that the proposed activity will be initiated and the duration of the activity.

The proposed construction project, consisting of the construction of a 20 foot access drive, 20-foot by 20-foot compound, equipment shelter and underground utilities typically endures for 6 to 8 weeks.

2. Describe and quantify the proposed changes to existing conditions and describe any on-site or off-site impacts. In addition, provide an annotated site plan detailing the areas of impact and proposed changes to existing conditions.

The proposed facility would result in the conversion of approximately 500 square feet of maintained lawn area to an equipment shelter and gravel access drive.

- Annotated Site Plan attached**

**Vanasse Hangen Brustlin, Inc.**  
455 Valley Road  
Cos Cob, Connecticut



*Photograph 1* – Existing water tank located behind trees.



*Photograph 2* - View looking northeast at existing water tank.



**Vanasse Hangen Brustlin, Inc.**

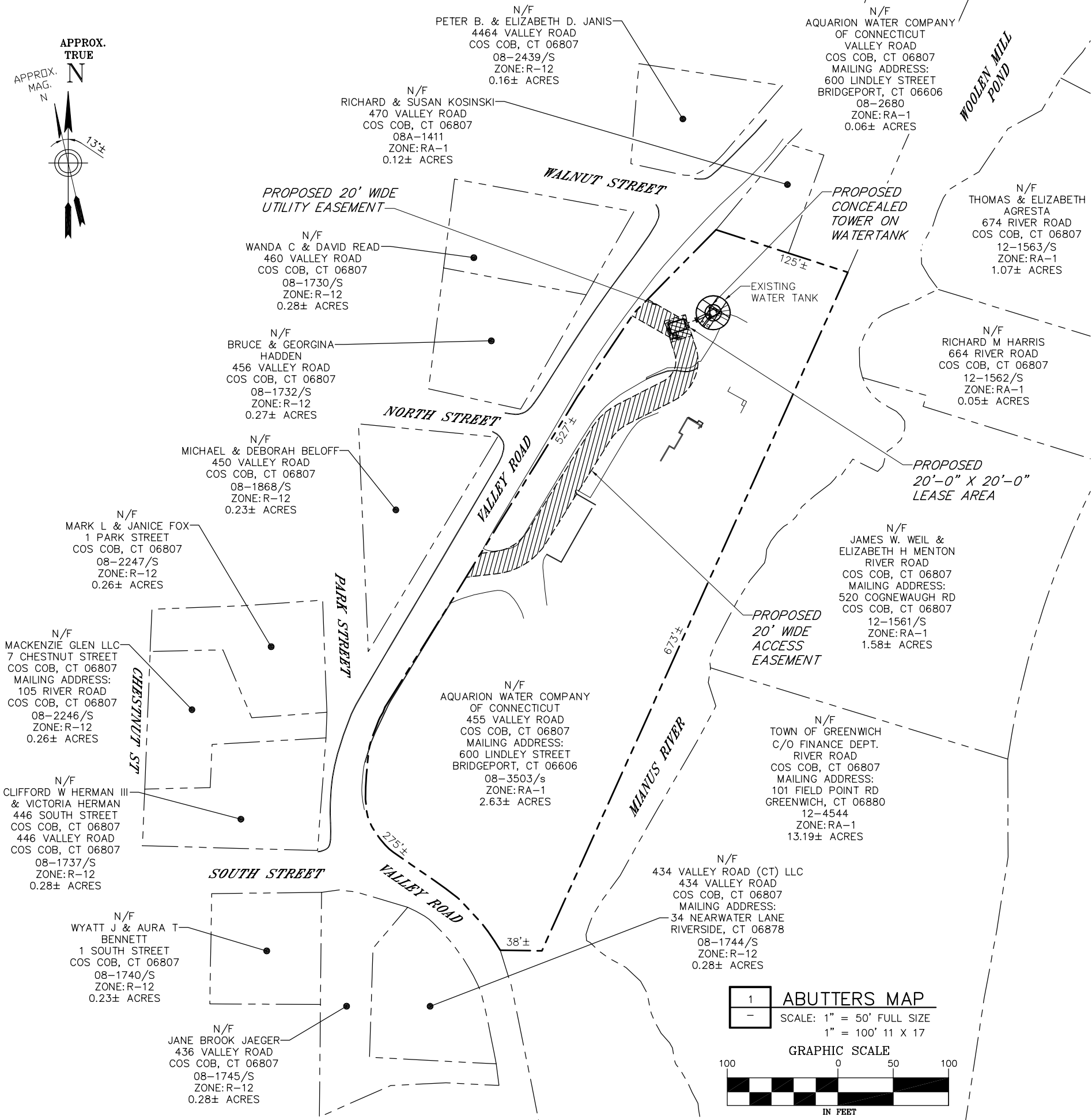
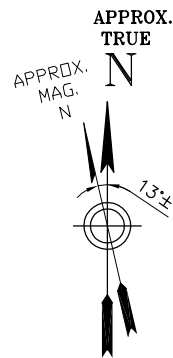
*455 Valley Road  
Cos Cob, Connecticut*



**Photograph 3** – View looking southwest at proposed 10' x 15' equipment shelter area.



**Photograph 4** – View looking south at proposed 10' x 15' equipment shelter area and proposed access easement off of existing asphalt driveway.



N/F  
PETER B. & ELIZABETH D. JANIS  
4464 VALLEY ROAD  
COS COB, CT 06807  
08-2439/S  
ZONE:R-12  
0.16± ACRES

N/F  
AQUARIUM WATER COMPANY  
OF CONNECTICUT  
VALLEY ROAD  
COS COB, CT 06807  
MAILING ADDRESS:  
600 LINDLEY STREET  
BRIDGEPORT, CT 06606  
08-2680  
ZONE:RA-1  
0.06± ACRES

N/F  
RICHARD & SUSAN KOSINSKI  
470 VALLEY ROAD  
COS COB, CT 06807  
08A-1411  
ZONE:RA-1  
0.12± ACRES

N/F  
THOMAS & ELIZABETH  
AGRESTA  
674 RIVER ROAD  
COS COB, CT 06807  
12-1563/S  
ZONE:RA-1  
1.07± ACRES

N/F  
WANDA C & DAVID READ  
460 VALLEY ROAD  
COS COB, CT 06807  
08-1730/S  
ZONE:R-12  
0.28± ACRES

N/F  
RICHARD M HARRIS  
664 RIVER ROAD  
COS COB, CT 06807  
12-1562/S  
ZONE:RA-1  
0.05± ACRES

N/F  
BRUCE & GEORGINA  
HADDEN  
456 VALLEY ROAD  
COS COB, CT 06807  
08-1732/S  
ZONE:R-12  
0.27± ACRES

N/F  
MICHAEL & DEBORAH BELOFF  
450 VALLEY ROAD  
COS COB, CT 06807  
08-1868/S  
ZONE:R-12  
0.23± ACRES

N/F  
MARK L & JANICE FOX  
1 PARK STREET  
COS COB, CT 06807  
08-2247/S  
ZONE:R-12  
0.26± ACRES

N/F  
MACKENZIE GLEN LLC  
7 CHESTNUT STREET  
COS COB, CT 06807  
MAILING ADDRESS:  
105 RIVER ROAD  
COS COB, CT 06807  
08-2246/S  
ZONE:R-12  
0.26± ACRES

N/F  
CLIFFORD W HERMAN III  
& VICTORIA HERMAN  
446 SOUTH STREET  
COS COB, CT 06807  
446 VALLEY ROAD  
COS COB, CT 06807  
08-1737/S  
ZONE:R-12  
0.28± ACRES

N/F  
WYATT J & AURA T  
BENNETT  
1 SOUTH STREET  
COS COB, CT 06807  
08-1740/S  
ZONE:R-12  
0.23± ACRES

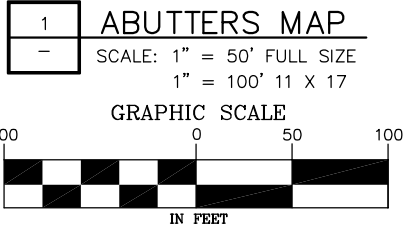
N/F  
JANE BROOK JAEGER  
436 VALLEY ROAD  
COS COB, CT 06807  
08-1745/S  
ZONE:R-12  
0.28± ACRES

N/F  
AQUARIUM WATER COMPANY  
OF CONNECTICUT  
455 VALLEY ROAD  
COS COB, CT 06807  
MAILING ADDRESS:  
600 LINDLEY STREET  
BRIDGEPORT, CT 06606  
08-3503/s  
ZONE:RA-1  
2.63± ACRES

N/F  
JAMES W. WEIL &  
ELIZABETH H MENTON  
RIVER ROAD  
COS COB, CT 06807  
MAILING ADDRESS:  
520 COGNEWAUGH RD  
COS COB, CT 06807  
12-1561/S  
ZONE:RA-1  
1.58± ACRES

N/F  
TOWN OF GREENWICH  
C/O FINANCE DEPT.  
RIVER ROAD  
COS COB, CT 06807  
MAILING ADDRESS:  
101 FIELD POINT RD  
GREENWICH, CT 06880  
12-4544  
ZONE:RA-1  
13.19± ACRES

N/F  
434 VALLEY ROAD (CT) LLC  
434 VALLEY ROAD  
COS COB, CT 06807  
MAILING ADDRESS:  
34 NEARWATER LANE  
RIVERSIDE, CT 06878  
08-1744/S  
ZONE:R-12  
0.28± ACRES



**SURVEY NOTES:**

1. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. ON SEPTEMBER 26, 1996. THE BOUNDARY LINES SHOWN ON THIS PLAN WERE COMPILED FROM OTHER MAPS, RECORD RESEARCH OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY, AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE.

TYPE OF SURVEY: COMPILATION PLAN

BOUNDARY DETERMINATION CATEGORY: NONE

CLASS OF ACCURACY: HORIZONTAL CLASS A-2  
VERTICAL CLASS V-2  
TOPOGRAPHIC CLASS T-2

2. PROPERTY LINE SHOWN HEREON ARE FROM RECORD DEEDS PLOTS AND/OR TAX MAPS AS OVERLAID ON ANY MONUMENTATION OR OTHER EVIDENCE THAT MAY HAVE BEEN LOCATED DURING THE TOPOGRAPHIC SURVEY. A PROPERTY SURVEY WAS NOT PERFORMED BY CHA AND AS A RESULT THE PROPERTY LINES SHOWN ARE APPROXIMATE AND DO NOT PRESENT A PROPERTY/BOUNDARY OPINION.

3. BASE MAPPING PREPARED BY CHA FROM AN JULY 2011 FIELD SURVEY.

4. NORTH ORIENTATION IS TRUE NORTH BASED ON GPS OBSERVATIONS TAKEN AT THE TIME OF THE FIELD SURVEY.

5. UNDERGROUND UTILITIES, STRUCTURES AND FACILITIES HAVE BEEN SHOWN FROM SURFACE LOCATIONS AND MEASUREMENTS OBTAINED FROM A FIELD SURVEY, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER UTILITIES WHICH THE EXISTENCE OF ARE NOT KNOWN. SIZE, TYPE AND LOCATION OF ALL UTILITIES AND STRUCTURES MUST BE VERIFIED BY PROPER AUTHORITIES PRIOR TO ANY AND ALL CONSTRUCTION. CALL DIG SAFE PRIOR.

6. SUBJECT TO ANY STATEMENT OF FACTS THAT AN UP-TO-DATE ABSTRACT OF TITLE WOULD DISCLOSE.

7. SUBJECT TO ALL RIGHTS, EASEMENTS, COVENANTS OR RESTRICTIONS OF RECORD.

8. LATITUDE/LONGITUDE/ELEVATIONS WERE OBTAINED BY GPS OBSERVATIONS. LATITUDE/LONGITUDE ARE REFERENCED TO NAD83 CONNECTICUT ZONE. COORDINATES SHOWN, IF ANY, ARE EXPRESSED IN U.S. SURVEY FEET. ELEVATIONS ARE REFERENCED TO NAVD88. TOP OF STRUCTURE HEIGHT AS SHOWN, IF ANY, DETERMINED BY VERTICAL ANGLE OR BY ACTUAL LOCATION. INFORMATION SHOWN BASED ON FAA 1A CERTIFICATION ACCURACY LEVEL DEFINED AS:  
HORIZONTAL: ±20 FEET / 6 METERS  
VERTICAL: ±3 FEET / 1 METERS

9. SITE FALLS WITHIN ZONE "X" DEFINED AS AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN AS SHOWN ON FLOOD INSURANCE RATE MAP, TOWN OF GREENWICH, CONNECTICUT, FAIRFIELD COUNTY, PANEL 14 OF 28, COMMUNITY PANEL NUMBER 090008 0014 C, REVISED FEBRUARY 22, 1999.

**MAP REFERENCES:**

- MAP ENTITLED "IMPROVEMENT LOCATION SURVEY AND COMPILED PROPERTY LINE SURVEY- VALLEY ROAD GREENWICH, CONNECTICUT, PREPARED FOR TIGHE & BOND" AS PREPARED BY CHAS. H. SELLS, INC., DATED DECEMBER 28, 2005.
- TOWN OF GREENWICH TAX MAPS 400, 401 & 402 VOL5.



NEW CINGULAR WIRELESS PCS, LLC  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06067

Drawing Copyright © 2011

2139 Silas Deane Highway, Suite 212 - Rocky Hill, CT 06067-2336  
Main: (860) 257-4557 - www.chacompanies.com

CHA PROJECT NO:  
18301 - 1077 - 43000

NO.	SUBMITTAL		
0	09/20/11	ISSUED FOR CSC CERTIFICATE	
	BY: PAL	CHK: PAL	APP'D: PAL

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

SITE ID:  
CT1887  
SITE NAME:  
MIANUS WASH  
WATER TANK  
SITE ADDRESS:  
455 VALLEY ROAD  
COS COB, CT  
06807  
FAIRFIELD COUNTY

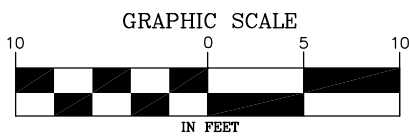
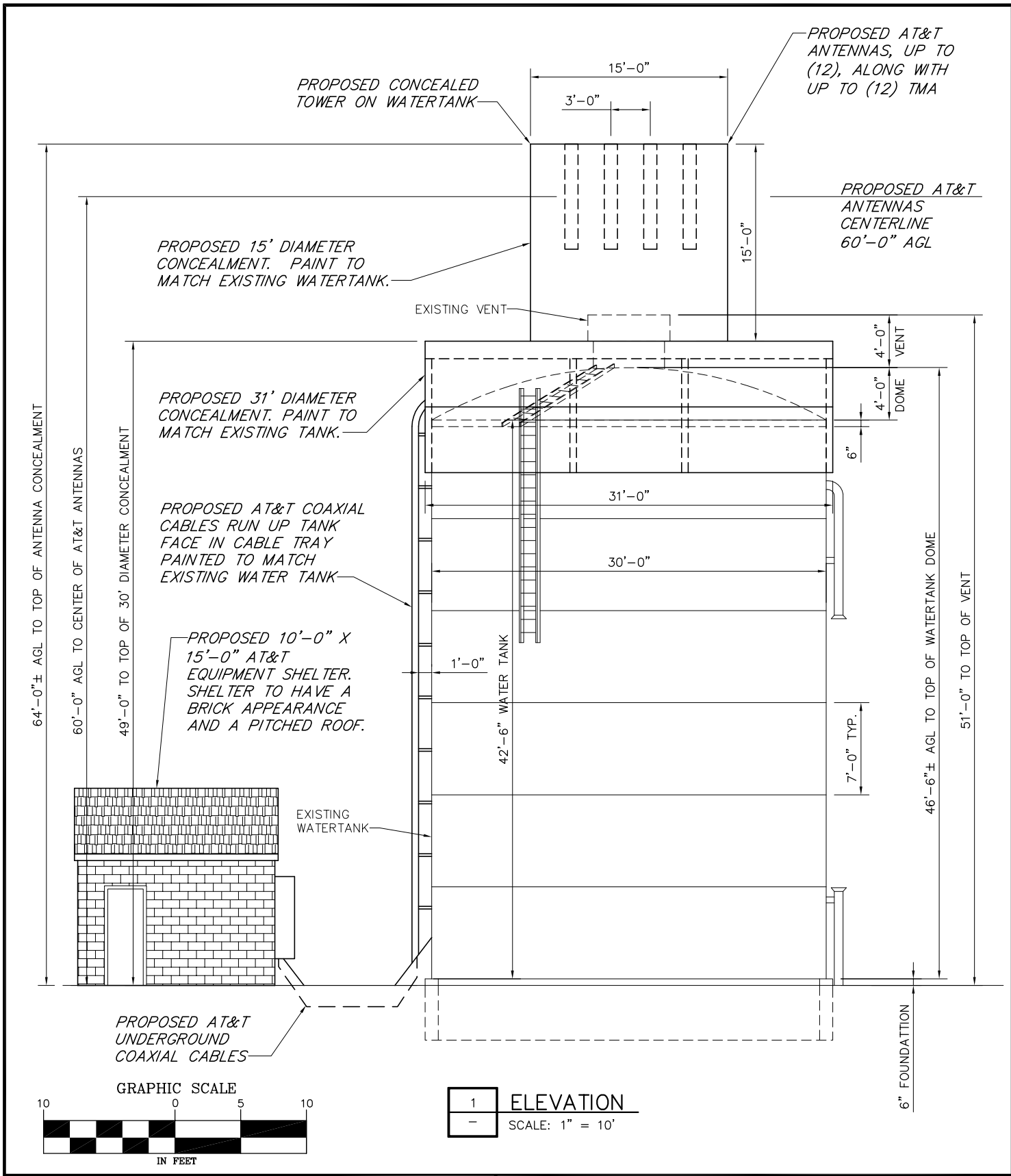
SHEET TITLE  
ABUTTERS  
MAP

SHEET NUMBER  
C01









1 ELEVATION  
 - SCALE: 1" = 10'

Drawing Copyright © 2011

2136 Silas Deane Highway, Suite 212 - Rocky Hill, CT 06067-2336  
 Main: (860) 257-4557 - www.chacompanies.com

Your world. Delivered.

NEW CINGULAR WIRELESS PCS, LLC  
 500 ENTERPRISE DRIVE, ROCKY HILL, CT 06067

CT1887  
 MIANUS WASH WATER TANK  
 455 VALLEY ROAD  
 COS COB, CT 06807  
 FAIRFIELD COUNTY

CHA PROJ. NO. - 18301-1077-43000

SHEET TITLE:  
 TOWER ELEVATION

DATE:  
 09/20/11

REVISION:  
 0



Connecticut Department of  
**ENERGY &  
ENVIRONMENTAL  
PROTECTION**

December 22, 2011

Ms. Coreen Kelsey  
Vanasse Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457

Project: SR1887-Telecommunications Facility at the Mianus Wash Water Tank Located at 455 Valley Road in Greenwich (Cos Cob), Connecticut

Request No.: 201107956

Dear Ms. Kelsey,

I have reviewed Natural Diversity Data Base maps and files regarding the area delineated on the map you provided for the proposed SR1887, a telecommunications facility at the Mianus Wash Water Tank located at 455 Valley Road in Cos Cob (Greenwich), Connecticut. I have determined that the proposed activities outlined in your request will not impact any extant populations of Federal or State Endangered, Threatened or Special Concern Species that occur in the vicinity of this property

Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey and cooperating units of DEEP, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the Data Base should not be substitutes for on-site surveys required for environmental assessments. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the Data Base as it becomes available.

Please contact me if you have further questions at (860) 424-3592, or [dawn.mckay@ct.gov](mailto:dawn.mckay@ct.gov). Thank you for consulting the Natural Diversity Data Base. Also be advised that this is a preliminary review and not a final determination. A more detailed review may be conducted as part of any subsequent environmental permit applications submitted to DEEP for the proposed site.

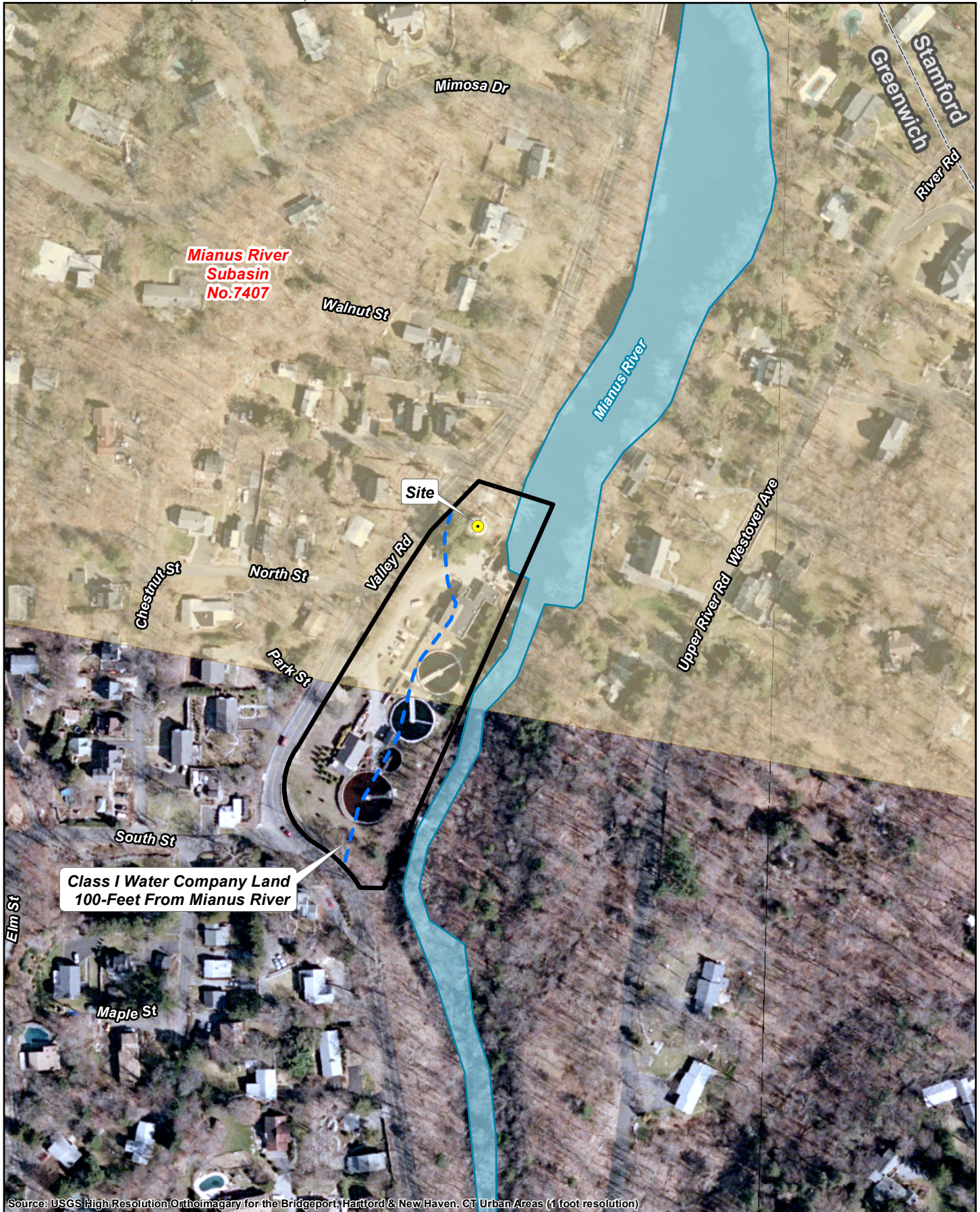
Sincerely,

A handwritten signature in cursive script that reads "Dawn M. McKay".

Dawn M. McKay  
Environmental Analyst 3






## Attachment 4

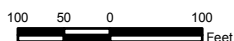




Source: USGS High Resolution Orthoimagery for the Bridgeport, Hartford & New Haven, CT Urban Areas (1 foot resolution)

**Legend**

-  Proposed Site Location
-  Drinking Water Supply Watershed Boundary
-  Watershed Boundary
-  Approximate Site Property Boundary
-  Town Line



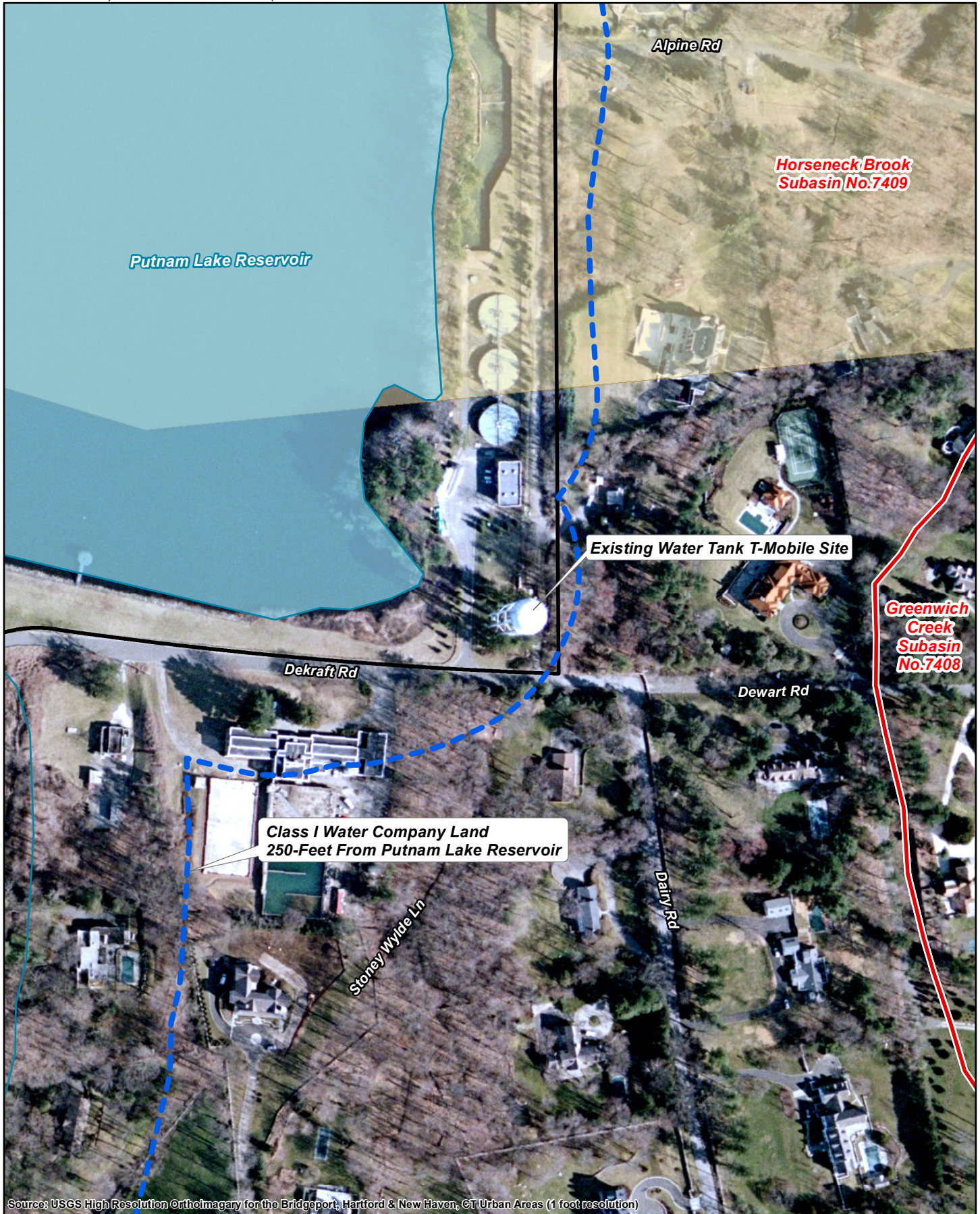
**Vanasse Hangen Brustlin, Inc.**

**Watershed Map**  
**Proposed Wireless Telecommunications Facility**  
**Aquarion Water Tank**  
**455 Valley Road**  
**Cos Cob, Connecticut**

February 1, 2012







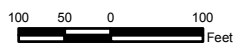




Source: USGS High Resolution Orthoimagary for the Bridgeport, Hartford & New Haven, CT Urban Areas (1 foot resolution)

**Legend**

-  Drinking Water Supply Watershed Boundary
-  Watershed Boundary
-  Approximate Site Property Boundary
-  Town Line



**Vanasse Hangen Brustlin, Inc.**

**Class 1 Water Company Land  
Putnam Lake Reservoir  
Greenwich, Connecticut**

**February 2, 2012**