September 6, 2006

Ref: 40999.08

Mr. Keith Coppins
Optasite, Inc.
One Research Drive, Suite 200C
Westborough, MA 01581

Re: NEPA Compliance Documentation
Pine Grove Cemetery
940 Meriden Road
Waterbury, CT
Optasite ID #CT-999-096

Dear Mr. Coppins,

Vanasse Hangen Brustlin, Inc. (VHB) has been retained by Optasite, Inc. (Optasite) to review environmental resource information outlined in 47 CFR Ch.1 § 1.1307 sections (a) and (b) for environmental consequences pursuant to the Federal Communications Commission ("FCC or Commission") requirements. Optasite is proposing to construct a new wireless telecommunications facility on portions of the Pine Grove Cemetery property located at 940 Meriden Road in Waterbury, Connecticut (Optasite ID #CT-999-0096). Optasite plans to construct a ±120-foot tall monopole, attach carrier antennae onto the monopole, and install associated future ground equipment at the base of the monopole within a proposed ±60-foot by ±60-foot chain-link fenced-enclosed compound area. The proposed compound area will be situated within an approximate 100-foot by 100-foot ground lease area. Access to the facility will be provided via an existing asphalt-paved drive that extends in a westerly direction off of Meriden Road, followed by a proposed ±12-foot wide gravel road that will extend in a northerly direction towards the compound area. Based on information provided by Optasite, the coordinates for the proposed facility are 41° 33' 11.80" north Latitude and 72° 59' 36.10" west Longitude. Specifically, VHB reviewed source information outlined below to determine if the proposed facility will be located in an environmentally sensitive area.

National Environmental Policy Act (NEPA) Requirements

As a licensing agency, the FCC complies with NEPA by requiring its licensees to review their proposed actions for environmental consequences. Rules implementing NEPA are found at Title 47 of the Code of Federal Regulations, Part 1, Subpart I, rule sections 1.1301 to 1.1319.

Section 1.1305 of these rules, state that the Commission "has found no common pattern which would enable it to specify" any particular Commission action as a "major action" under NEPA. Thus, section 1.1306 of the Rules "categorically excluded from environmental processing" all Commission actions except for those specifically identified in section 1.1307. If a licensee's proposed action falls within one of the categories of 1.1307, section 1.1308(a) requires the licensee to consider the potential environmental effects from its

54 Tuttle Place
Middletown, Connecticut 06457-1847
860.632.1500 ▪ FAX 860.632.7879
email: info@vhb.com
www.vhb.com

construction of antenna facilities or structures, and disclose those effects in an environmental assessment (EA) which is filed with the Commission for review.

VHB has reviewed the following source information for identification, location, and impacts to environmentally sensitive areas:

1. **Officially designated wilderness areas** - State of Connecticut, Department of Environmental Protection (CTDEP) Geographic Information System (GIS) data layers, CTDEP Natural Resources Center and Natural Diversity Data Base (NDDB). See attached NEPA screen map prepared by VHB, Inc. and letter from CTDEP.

2. **Officially designated wildlife preserve** – CTDEP GIS data layers, CTDEP Natural Resources Center and NDDB. See attached NEPA screen map and letter from CTDEP.

3. **Threatened or Endangered Species or designated critical habitats** – CTDEP GIS data, CTDEP's Natural Resources Center and NDDB, and United States Department of Interior – Fish and Wildlife Service, (USFWS) New England Field Office. See attached NEPA screen map and letters from USFWS and CTDEP.

4. **National Register of Historic Places** – State of Connecticut Commission on Cultural & Tourism, Historic Preservation & Museum Division, State Historic Preservation Officer (SHPO); National Register and Reported Archeological Sites Connecticut Geographic Information System data layer provided by Heritage Consultants, LLC; and public notice. See attached NEPA screen map prepared by VHB, Inc., letter SHPO, and a copy of the public notice published in the Waterbury Republic-American on June 19, 2006.

5. **Indian Religious Sites** - State of Connecticut, Connecticut Commission on Cultural & Tourism, Historic Preservation & Museum Division SHPO, National Register and Reported Archeological Sites Connecticut Geographic Information System data layer provided by Heritage Consultants, LLC, and all interested Native American Tribes (NAT) and/or Native Hawaiian Organizations (NHO) identified on FCC's online Tower Construction Notification System (TCNS). As identified via TCNS, VHB has notified the Mashantucket Pequot Tribe and the Narragansett Indian Tribe. See attached SHPO letter and appropriate correspondence from NATs.

6. **Flood Plain** – Flood Insurance Rate Maps (FIRM) by Federal Emergency Management Agency (FEMA) Federal Insurance Administration, Office of Risk Assessment 50 C Street, SW Washington, DC 20472; CTDEP GIS data layer. See attached NEPA screen map prepared by VHB, Inc.

7. **Significant change in surface features** – Based on field observations and information provided by Sprint PCS and its contractors, the proposed activity by Sprint PCS does not appear to involve a significant change in surface features or result in wetland fill, deforestation or water diversion. See attached letter prepared by VHB, Inc. dated August 31, 2006.

8. **High Intensity white lights located in residential neighborhoods** – No lighting information was provided to VHB. However, we understand that no lighting is required on this facility.

Based on the information currently available, VHB has found **that the proposed facility does not fall under any of the listed categories of Section 1.1307 under the NPA**. The NEPA checklist and NEPA screen map, which outlines the location of the site and the location of the environmental resources, agency correspondence, and a copy of the current Site Plans are attached to this letter.

Very truly yours,

VANASSE HANGEN BRUSTLIN, INC.

Nicole Dentamaro

Nicole Dentamaro
Environmental Scientist

Attachments

cc: Christine Scanlon, Optasite (2 copies)
Julie D. Kohler, Esq., Cohen and Wolf, PPC. (4 copies)

Optasite

Contact Name: Keith Coppins	Site type (*choose one*): ☒ Raw land ☐ Tower colo* ☐ Other colo*	Optasite Cascade ID #: CT-999-096	Site Name & Address: Pine Grove Cemetery 940 Meriden Road Waterbury, CT

NEPA Land Use Screening Checklist

FCC NEPA Category	Consulting Agency to Contact	SSEO Document Reference	*Check appropriate box(es) below*			
			No Adverse Impact	Potential Adverse Impact	Exempt from Review*	CNPA Applies**
1. Designated Wilderness Areas	National Park Service, US Forest Service, Bureau of Land Management (BLM), CTDEP GIS data layers and Natural Diversity Data Base (NDDB)	Section 3.4.1	☒	☐	☐	☐
2. Designated Wildlife Preserves	National Park Service, US Forest Service, BLM, CTDEP GIS data layers and NDDB	Section 3.4.1	☒	☐	☐	☐
3. Threatened or Endangered Species & Critical Habitats	CTDEP NDDB, US Fish & Wildlife Service - Field Office (USF&WS)	Section 3.4.2	☒	☐	☐	☐
4. Historic Places	State Historic Preservation Officer (SHPO), Tribal Historic Preservation Officer (THPO); Public Notice	Section 3.4.3	☒	☐	☐	☐
5. Indian Religious Sites	SHPO, Tower Construction Notification System (TCNS) website – Native American Tribes (NATs), and/or Native Hawaiian Organizations (NHOs), Bureau of Indian Affairs (BIA)	Section 3.4.4	☒	☐	☐	☐
6. Floodplain	Federal Emergency Management Agency (FEMA)	Section 3.4.5	☒	☐	☐	☐
7. Wetlands & Surface Waterways	US Army Corps of Engineers (ACOE)	Section 3.4.6	☒	☐	☐	☐
8. High Intensity White Lights in Residential Neighborhoods	Lighting information, if applicable, to be provide by client via FAA form or other relevant lighting documentation – N/A	Section 3.4.7	☒	☐	☐	☐

**For collocation projects that are not subject to exemption under the CNPA, NEPA Land Use Screening Categories 4 and 5 are only required. The remaining categories are categorically excluded.*

***Based on the CNPA the collocation project is exempt from Section 106 review.*

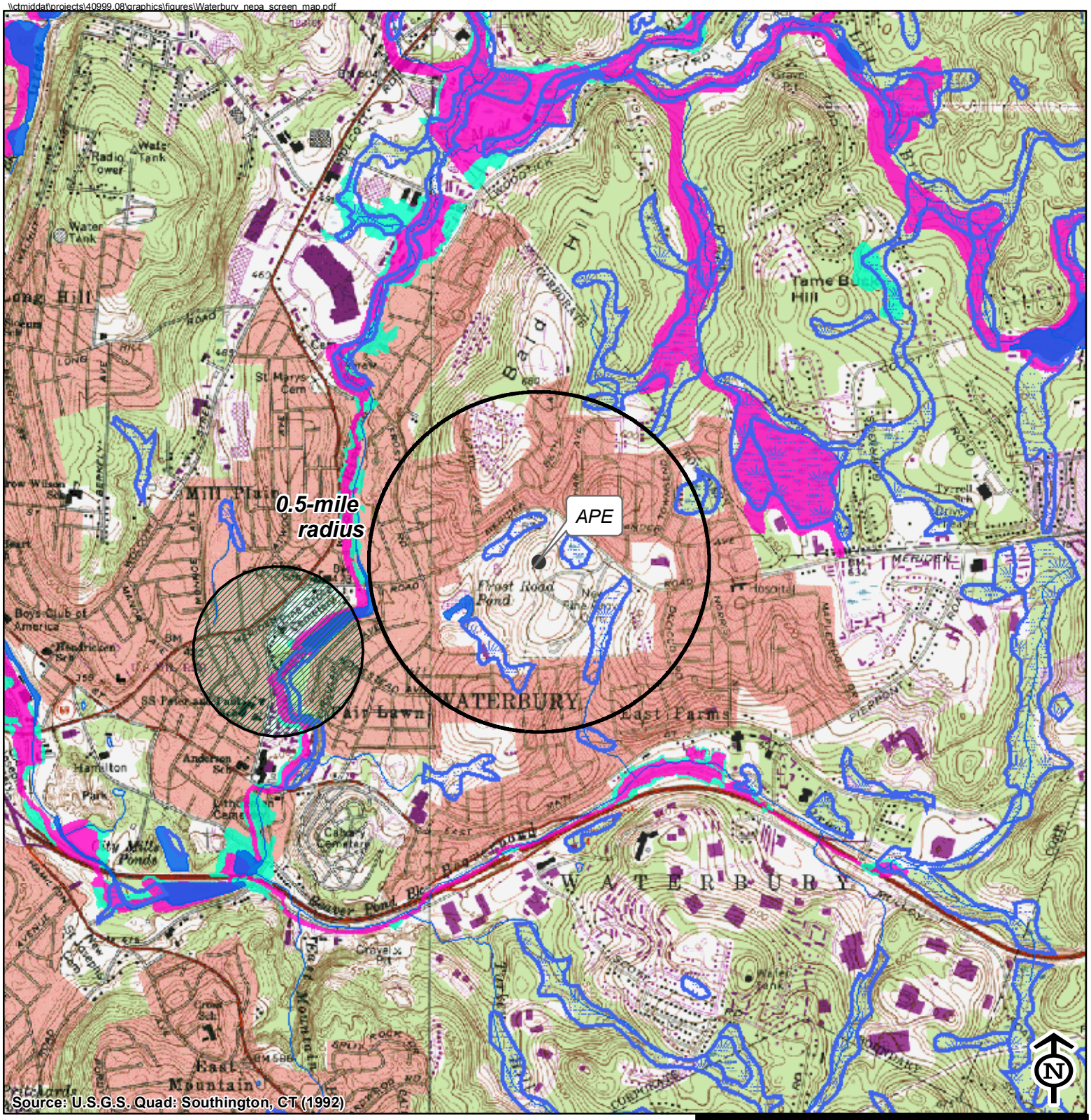
Prepared By: Nicole Dentamaro
(print name): Nicole Dentamaro

Company: Vanasse Hangen Brustlin, Inc.
Date: September 6, 2006

The undersigned has reviewed and approved this Checklist prior to commencement of site construction.

By: _____ Date: _____
Site Development Manager or Director

\\ctmiddat\projects\40999.08\graphics\figures\Waterbury_nepa_screen_map.pdf



- Area of Potential Effect (APE)
- Natural Diversity Database Threatened and Endangered Species (updated June 2005, buffered)
- National Register Historic Sites*
- National Register Historic Districts*
- Reported Archaeological Sites (buffered)**
- Open Water
- Wetlands

Floodplains

- 100 Year Floodplain
- 500 Year Floodplain
- Floodway

Protected Properties (Federal; CT DEP 2002 data)

- State Forest
- State Park
- DEP Owned Waterbody
- State Park Scenic Reserve
- Historic Preserve
- Natural Area Preserve
- Fish Hatchery
- Flood Control
- Other
- State Park Trail
- Water Access
- Wildlife Area
- Wildlife Sanctuary
- Protected Properties (Federal; 2002)

* no historic resources within 1/2 mile of APE
** no reported archaeological resources located within APE

Vanasse Hangen Brustlin, Inc.

NEPA Screen Map
Optasite ID# CT-999-0096
Lat: 41 33 11.80 Long: 72 59 36.10
Pine Grove Cemetery
940 Meriden Road
Waterbury, Connecticut

July 18, 2006

1,000 500 0 1,000 Feet

Optasite

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

June 13, 2006

Ms. Nicole Dentamaro
Transportation Land Development
Environmental Services
54 Tuttle Place
Middletown, CT 06457-1847

Re: Proposed Wireless Facility,
Pine Grove Cemetary, 940 Meriden Rd,
Waterbury

Dear Ms. Dentamaro:

I have reviewed Natural Diversity Data Base maps and files regarding the area delineated on the map you provided for the proposed wireless telecommunications facility on Pine Grove Cemetary in Waterbury, Connecticut. According to our information there are no known extant populations of Federal or State Endangered, Threatened or Special Concern Species that occur at the site in question.

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 Natural Resources Center's Geological and Natural History Survey and cooperating units of DEP, 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 newcontributors 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 424-3592. Thank you for consulting the Natural Diversity Data Base. Also be advised thatthis 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 DEP for the proposed site.

Sincerely,

Dawn M. McKay
Biologist/Environmental Analyst

DMM/blm

United States Department of the Interior

FISH AND WILDLIFE SERVICE
New England Field Office
70 Commercial Street, Suite 300
Concord, New Hampshire 03301-5087

July 6, 2006

Reference:

Project	Location
Tower replacement	Guilford, CT, Ref: 41176.00
Tower	Waterbury, CT, Ref: 40999.08

Nicole Dentamaro
Vanasse Hangen Brustlin, Inc.
54 Tuttle Place
Middletown, CT 06457-1847

Dear Ms. Dentamaro:

This responds to your recent correspondence requesting information on the presence of federally-listed and/or proposed endangered or threatened species in relation to the proposed activity(ies) referenced above.

Based on information currently available to us, no federally-listed or proposed, threatened or endangered species or critical habitat under the jurisdiction of the U.S. Fish and Wildlife Service are known to occur in the project area(s). Preparation of a Biological Assessment or further consultation with us under Section 7 of the Endangered Species Act is not required.

This concludes our review of listed species and critical habitat in the project location(s) and environs referenced above. No further Endangered Species Act coordination of this type is necessary for a period of one year from the date of this letter, unless additional information on listed or proposed species becomes available.

Thank you for your coordination. Please contact us at 603-223-2541 if we can be of further assistance.

Sincerely yours,

Michael J. Amaral

Michael J. Amaral
Endangered Species Specialist
New England Field Office

Connecticut Commission on Culture & Tourism

Historic Preservation
& Museum Division

59 South Prospect Street
Hartford, Connecticut
06106

(v) 860.566.3005
(f) 860.566.5078

July 12, 2006

Ms. Nicole Dentamaro
Vanasse Hangen Brustlin Inc.
54 Tuttle Place
Middletown, CT 06457-1847

Subject: Telecommunications Facilities
940 Meriden Road – Pine Grove Cemetery
Waterbury, CT
Optasite #CT-999-0096

Dear Ms. Dentamaro:

The State Historic Preservation Office has reviewed the above-named project. This office expects that the proposed undertaking will have no effect on historic, architectural, or archaeological resources listed on or eligible for the National Register of Historic Places.

This office appreciates the opportunity to have reviewed and commented upon the proposed undertaking.

This comment is provided in accordance with the National Historic Preservation Act and the Connecticut Environmental Policy Act.

For further information please contact Dr. David A. Poirier, Staff Archaeologist.

Sincerely,

J. Paul Loether
Division Director and Deputy
State Historic Preservation Officer

RepublicanAmerican

389 Meadow Street - P.O. Box 2090
Waterbury, CT 06722-2090
Phone: 203-574-3636 Fax: 203-573-0090 Toll Free: 800-992-3232
e mail: advbilling@rep-am.com

Fed EIN 06-0581760

Customer	A/C #	Billing Period
VANASSE HANGEN BRUSTLIN, INC. (VHB)	37777	06/01/06-06/30/06

PAYMENT TERMS	30 DAYS
TOTAL AMOUNT DUE	$ 0.00

DATE	AD # / INV #	CUST ORDER #	PUB	DESCRIPTION	SIZE	BILLED UNITS	TIMES RUN	RATE	BILLED AMOUNT
				Previous Balance					$0.00
06/19/06	RA0049924 / INV000084701	ck#2089	RA	PUBLIC NOTICE Optasite Inc. is proposing to install a new w	1x	35.000	1	$2.2000	$77.00
06/19/06	30559			RA0049924					-$77.00
				TOTAL AMOUNT DUE					$0.00

PUBLIC NOTICE

Optasite Inc. is proposing to install a new, wireless, telecommunication facility, consisting of a ±120-foot tall monopole, antenna, and associated ground equipment, at 940 Meriden Road in Waterbury, Connecticut. This facility will provide improved wireless coverage to areas of Waterbury.

Parties interested in submitting comments regarding any potential effects of the proposed facility on historic properties may do so by sending such comments to Vanasse Hangen Brustlin, Inc., 54 Tuttle Place, Middletown, CT 06457, to the attention of Nicole Dentamaro. Questions about this proposed project may be submitted via regular mail, email to ndentamaro@vhb.com, or by calling (860) 632-1500 ext. 2317.

VHB will be accepting comments and/or questions within 30 days of the date of this publication. Therefore, all comments or questions regarding this matter should be postmarked/submitted by no later than July 19, 2006.

R-A June 19, 2006

RECEIVED
JUL 18 2006
VANASSE HANGEN BRUSTLIN, INC.

Past due balance accrues finance charge of 1.5% per month

All charges include any applicable Connecticut State sales tax

REMITTANCE ADVICE - PLEASE RETURN WITH PAYMENT

REMITTANCE ADDRESS

REPUBLICAN AMERICAN
PO BOX 2090
WATERBURY, CT 06722-2290

CUSTOMER	A/C #	BILLING PERIOD	TOTAL AMOUNT DUE	AMOUNT REMITTED
VANASSE HANGEN BRUSTLIN, INC. (VH	37777	06/01/06-06/30/06	$ 0.00	

CREDIT CARD #	
EXPIRATION DATE	
SIGNATURE	

VANASSE HANGEN BRUSTLIN, INC. (VHB)
54 TUTTLE PLACE
MIDDLETOWN CT 06457

CHECK #	

7-15-06

Ms. Nicole Dentamaro,
Environmental Scientist
Vanasse Hangen Brustlin, Inc.
54 Tuttle Place
Middletown, CT 06457-1847

Re: PRELIMINARY ARCHAEOLOGICAL ASSESSMENT OF TELECOMMUNICATIONS TOWER CT-999-0096 LOCATED AT 940 MERIDEN ROAD IN WATERBURY, CONNECTICUT
TCNS # 16555

Dear Ms. Dentamaro,

This is in response to the letter you sent July 6, 2006, I have been away on travel for a couple of weeks and just returned to the office this past week.
I have reviewed the Preliminary Archaeological Assessment entitled "PRELIMINARY ARCHAEOLOGICAL ASSESSMENT OF TELECOMMUNICATIONS TOWER CT-999-0096 LOCATED AT 940 MERIDEN ROAD IN WATERBURY , CONNECTICUT " submitted by Heritage Consultants, LLC.
The research design and testing strategy meets acceptable professional standards, and agree with the recommendations and conclusions.
Please keep me informed of any further developments with respect to this project.

Sincerely,

Kathleen Knowles

Kathleen Knowles,
Tribal Historic Preservation Officer
Mashantucket Pequot Tribe

MASHANTUCKET PEQUOT MUSEUM
& RESEARCH CENTER

110 Pequot Trail, PO Box 3180
Mashantucket, CT 06338
Phone: 860 396 6800
Fax: 860 396 6850
www.pequotmuseum.org

Federal Communications Commission
Washington DC 20554

Proposed Construction of Communications Facilities
Notification of Final Contacts

OPTASITE
NICOLE DENTAMARO
54 TUTTLE PLACE
MIDDLETOWN, CT 06457

Date: 08/17/2006
Reference Number: 0520665

Dear Applicant:

This letter addresses the proposed communications facilities listed below that you have referred to the Federal Communications Commission (Commission) for purposes of contacting federally recognized Indian Tribes, including Alaska Native Villages (collectively Indian Tribes), and Native Hawaiian Organizations (NHOs), as specified by Section IV.G of the Nationwide Programmatic Agreement (NPA). Consistent with the procedures outlined in the Commission's recent Declaratory Ruling,[1] we have contacted the Indian Tribes or NHOs identified in the attached Table for the projects listed in the attached Table. You referred these projects to us between 08/10/2006 and 08/17/2006. Our contact with these Indian Tribes or NHOs was sent on 08/17/2006.

Thus, as described in the Declaratory Ruling,[2] if you or Commission staff do not receive a statement of interest regarding a particular project from any Tribe or NHO within 20 calendar days of 08/17/2006, your obligations under Section IV of the NPA with respect to these Indian Tribes or NHOs are complete.[3] If an Indian Tribe or NHO responds that it is interested in participating within the 20 calendar day period, the Applicant must involve it in the review as set forth in the NPA, and may not begin construction until the process set forth in the NPA is completed.

You are reminded that Section IX of the NPA imposes independent obligations on an Applicant when a previously unidentified site that may be a historic property, including an archeological property, is discovered during construction or after the completion of review.[4] In such instances, the Applicant must cease construction and promptly notify, among others, any potentially affected Indian Tribe or NHO. An Indian Tribe's or NHO's failure to express interest in participating in pre-construction review of an undertaking does not necessarily mean it is not interested in archeological properties or human remains that may inadvertently be discovered during construction. Hence, an Applicant is still required to notify

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[1] *See* Clarification of Procedures for Participation of Federally Recognized Indian Tribes and Native Hawaiian Organizations Under the Nationwide Programmatic Agreement, *Declaratory Ruling*, FCC 05-176 (released October 6, 2005) (Declaratory Ruling).

[2] *Id* § 8-10.

[3] We note that, under the Declaratory Ruling, an expression of interest by an Indian Tribe or NHO addressed solely to the Commission staff during the 20-day period is sufficient even if it does not contact the Applicant.

[4] *Id* at § 11.

any potentially affected Indian Tribe or NHO of any such finds pursuant to Section IX or other applicable law.

Sincerely,

Dan Abeyta
Assistant Chief
Spectrum and Competition Policy Division
Wireless Telecommunications Bureau

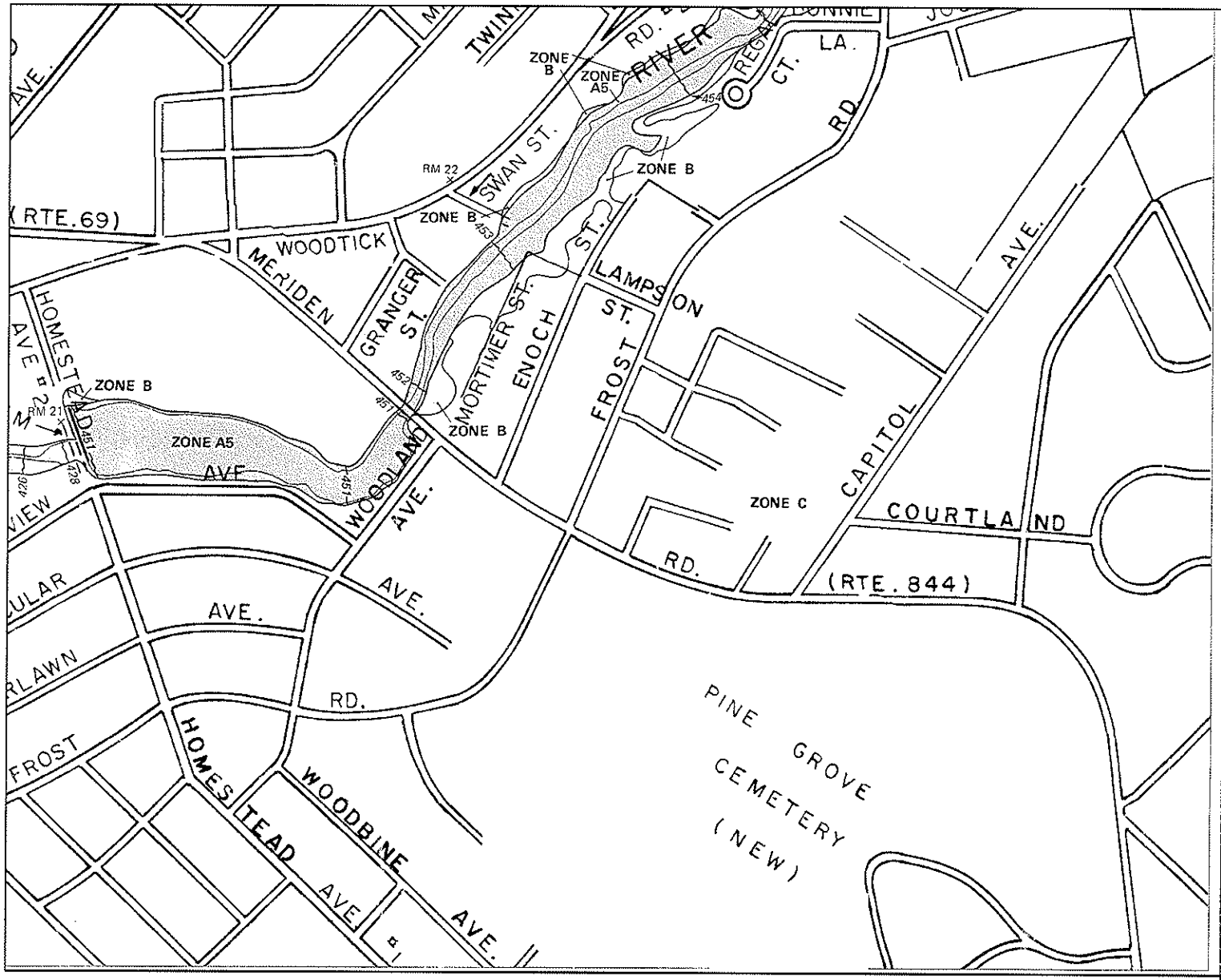
LIST OF PROPOSED COMMUNICATIONS TOWERS

TCNS#: 16555 Referred Date: 08/10/2006 Location: 940 Meriden Road, Waterbury, CT
Tribe Name: Narragansett Indian Tribe

TCNS#: 16323 Referred Date: 08/10/2006 Location: 1919 Boston Post Road, Guilford, CT
Tribe Name: Narragansett Indian Tribe

TCNS#: 15547 Referred Date: 08/10/2006 Location: 651 Paddock Avenue, Meriden, CT
Tribe Name: Narragansett Indian Tribe

LEGEND:
* - Notification numbers are assigned by the Commission staff for sites where initial contact was not made through TCNS.



APPROXIMATE SCALE
400 0 400 FE

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

CITY OF
WATERBURY, CONNECTICUT
NEW HAVEN COUNTY

PANEL 8 OF 12
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
090091 0008 B

EFFECTIVE DATE:
NOVEMBER 1, 1979

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
FEDERAL INSURANCE ADMINISTRATION

Transportation
Land Development
Environmental
Services

VHB *Vanasse Hangen Brustlin, Inc.*

54 Tuttle Place
Middletown, Connecticut 06457
860 632-1500
FAX 860 632-7879

Memorandum

To: Chuck Regulbuto
Optasite, Inc.
One Research Drive, Suite 200C
Westborough, MA 01581

Date: August 31, 2006

Project No.: 40999.08

From: Sara Fusco
Soil Scientist

Re: Wetland Inspection
Proposed Telecommunication Facility
940 Meriden Road
Waterbury, CT

Vanasse Hangen Brustlin, Inc. (VHB) has completed on-site investigations to determine if wetlands and/or watercourses are located on the above-referenced Site. VHB has relied upon the accuracy of information provided by Optasite, Inc. regarding the proposed lease area, access road, and utility easement locations for identifying wetlands and watercourses within and proximate to said locations.

VHB understands that Optasite, Inc. proposes to construct a wireless telecommunication facility at 940 Meriden Road in Waterbury, Connecticut (the "Site"). The facility will include an approximate 100-foot by 100-foot fenced compound area that will house a 120-foot monopole and associated telecommunication equipment and structures. Access to the Site will be gained via a proposed 12-foot gravel access drive from an existing asphalt drive. Wetlands identified and delineated on the property include a small potential vernal pool, a large palustrine wetland system and a small man made depressional wetland; refer to the attached Wetlands Delineation Report for further detail. No wetlands or watercourses were identified within 300 feet of proposed development activities. The nearest wetland is the man made depression (Wetland 3) located approximately 325 feet east of the proposed lease area. Therefore, proposed development activities will not directly or indirectly affect wetlands or watercourses and will not have a significant adverse effect on wetland resources of the City of Waterbury.

Enclosure

Ccc: Julie Kohler, Esq. Cohen and Wolf PPC

Vanasse Hangen Brustlin, Inc.

WETLANDS DELINEATION REPORT

Date: August 31, 2006

Project No.: 40999.08

Prepared For: Chuck Regulbuto
Project Manager
Optasite, Inc.
One Research Drive, Suite 200C
Westborough, MA 01581

Site Location: 940 Meriden Road
Waterbury, CT

Site Map: Sketch Map, 8/31/06 – S. Fusco

Inspection Date: August 31, 2006

Field Conditions: Weather: sunny, mid 70's
Snow Depth: 0 inches
General Soil Moisture: moist
Frost Depth: 0 inches

Type of Wetlands Identified and Delineated:

Connecticut Inland Wetlands and Watercourses	☒
Tidal Wetlands	☐
U.S. Army Corps of Engineers	☐

Field Numbering Sequence of Wetlands Boundary: WF1-01 to WF1-06; WF2-01 to WF2-17; WF2A-01 to WF2A-20; WF3-01 to WF3-04

[as depicted on attached wetland sketch map]

The classification systems of the National Cooperative Soil Survey, the U.S. Department of Agriculture, Natural Resources Conservation Service, County Soil Survey Identification Legend, Connecticut Department of Environmental Protection and United States Army Corps of Engineers New England District were used in this investigation.

All established wetlands boundary lines are subject to change until officially adopted by local, state, or federal regulatory agencies.

The wetlands delineation was conducted by:

Sara Fusco DG

Sara Fusco
Soil Scientist

The wetlands delineation was reviewed by:

Dean Gustafson
Professional Soil Scientist

Enclosures (4)

54 Tuttle Place
Middletown, Connecticut 06457-1847
860.632.1500 ▪ FAX 860.632.7879
email: info@vhb.com
www.vhb.com

Attachments

- Wetland Delineation Field Form
- Soil Map
- Soil Report
- Wetland Delineation Sketch Map

Wetland Delineation Field Form

Project Name:	Optasite, Waterbury CT	Project Number:	40999.08
Inspection Date:	8/31/06	Inspector:	S. Fusco
Wetland I.D.:	1		

Field Conditions:	Weather: Sunny, mid 70's	Snow Depth: 0
	General Soil Moisture: Moist	Frost Depth: 0
Type of Wetland Delineation:	Connecticut ☑	
	ACOE ☐	
	Tidal ☐	
Field Numbering Sequence: WF1-01 to WF1-06		

WETLAND HYDROLOGY:

Nontidal

Regularly Flooded ☐	Irregularly Flooded ☐	Permanently Flooded ☐
Semipermanently Flooded ☐	Seasonally Flooded ☒	Temporarily Flooded ☐
Permanently Saturated ☐	Seasonally Saturated – seepage ☐	Seasonally Saturated - perched ☐
Comments:		

Tidal

Subtidal ☐	Regularly Flooded ☐	Irregularly Flooded ☐
Seasonally Flooded ☐	Temporarily Flooded ☐	
Comments: N/A		

WETLAND TYPE:

System

Estuarine ☐	Riverine ☐	Palustrine ☒
Lacustrine ☐	Marine ☐	
Comments:		

Class

Emergent Marsh ☐	Scrub-shrub ☐	Forested ☒
Open Water ☐	Disturbed ☐	
Comments:		

WATERCOURSE TYPE:

Upper Perennial ☐	Lower Perennial ☐	Intermittent ☐
Tidal ☐		
Comments: N/A		

SPECIAL AQUATIC HABITAT:

Vernal Pool ☒	Other ☐	
Comments: +/- 1,000 ☐		

DOMINANT PLANTS:

Red Maple	
Winterberry	
Highbush blueberry	

Wetland Delineation Field Form

Project Name:	Optasite, Waterbury CT	Project Number:	40999.08
Inspection Date:	8/31/06	Inspector:	S. Fusco
Wetland I.D.:	2		

Field Conditions:	Weather: Sunny, Mid 70's	Snow Depth: 0
	General Soil Moisture: Moist	Frost Depth: 0
Type of Wetland Delineation:	Connecticut ☒	
	ACOE ☐	
	Tidal ☐	
Field Numbering Sequence: WF2-01 to WF2-17		

WETLAND HYDROLOGY:

Nontidal

Regularly Flooded ☐	Irregularly Flooded ☐	Permanently Flooded ☐
Semipermanently Flooded ☒	Seasonally Flooded ☐	Temporarily Flooded ☐
Permanently Saturated ☒	Seasonally Saturated – seepage ☐	Seasonally Saturated - perched ☐
Comments:		

Tidal

Subtidal ☐	Regularly Flooded ☐	Irregularly Flooded ☐
Seasonally Flooded ☐	Temporarily Flooded ☐	
Comments: N/A		

WETLAND TYPE:

System

Estuarine ☐	Riverine ☐	Palustrine ☒
Lacustrine ☐	Marine ☐	
Comments:		

Class

Emergent Marsh ☐	Scrub-shrub ☒	Forested ☐
Open Water ☐	Disturbed ☐	
Comments:		

WATERCOURSE TYPE:

Upper Perennial ☐	Lower Perennial ☐	Intermittent ☐
Tidal ☐		
Comments: N/A		

SPECIAL AQUATIC HABITAT:

Vernal Pool ☐	Other ☐	
Comments: water impounded by berm/easement		

DOMINANT PLANTS:

Red Maple	elderberry
Silky dogwood	tussock sedge
Spicebush	cattail
pepperbush	jewelweed
spirea	cinnamon fern
winterberry	skunk cabbage
Highbush blueberry	tulip poplar

(*) dense stand of Japanese Knotweed at edge near drive

Wetland Delineation Field Form

Project Name:	Optesite, Waterbury CT	Project Number:	40999.08
Inspection Date:	8/31/06	Inspector:	S. Fusco
Wetland I.D.:	2A		

Field Conditions:	Weather: Sunny, mid 70's	Snow Depth: 0
	General Soil Moisture: Moist	Frost Depth: 0
Type of Wetland Delineation:	Connecticut ☒	
	ACOE ☐	
	Tidal ☐	
Field Numbering Sequence:	WF2A-01 to WF2A-20	

WETLAND HYDROLOGY:

Nontidal

Regularly Flooded ☐	Irregularly Flooded ☐	Permanently Flooded ☐
Semipermanently Flooded ☐	Seasonally Flooded ☐	Temporarily Flooded ☐
Permanently Saturated ☐	Seasonally Saturated – seepage ☒	Seasonally Saturated - perched ☐
Comments:		

Tidal

Subtidal ☐	Regularly Flooded ☐	Irregularly Flooded ☐
Seasonally Flooded ☐	Temporarily Flooded ☐	
Comments: N/A		

WETLAND TYPE:

System

Estuarine ☐	Riverine ☐	Palustrine ☒
Lacustrine ☐	Marine ☐	
Comments:		

Class

Emergent Marsh ☐	Scrub-shrub ☐	Forested ☒
Open Water ☐	Disturbed ☐	
Comments:		

WATERCOURSE TYPE:

Upper Perennial ☐	Lower Perennial ☐	Intermittent ☒
Tidal ☐		
Comments:		

SPECIAL AQUATIC HABITAT:

Vernal Pool ☐	Other ☐	
Comments: N/A		

DOMINANT PLANTS:

Red maple	highbush blueberry
tulip poplar	black birch
green ash	yellow birch
Spicebush	
pepperbush	
Skunk cabbage	
Jack-in-the-pulpit	

Wetland Delineation Field Form

Project Name:	Optasite, Waterbury	Project Number:	40999.08
Inspection Date:	8/31/06	Inspector:	S. Fusco
Wetland I.D.:	3		

Field Conditions:	Weather: Sunny, mid 70's	Snow Depth: 0"
	General Soil Moisture: moist	Frost Depth: 0"
Type of Wetland Delineation:	Connecticut ☒	
	ACOE ☐	
	Tidal ☐	
Field Numbering Sequence: WF3-01 to WF3-04		

WETLAND HYDROLOGY:

Nontidal

Regularly Flooded ☐	Irregularly Flooded ☐	Permanently Flooded ☐
Semipermanently Flooded ☐	Seasonally Flooded ☐	Temporarily Flooded ☐
Permanently Saturated ☐	Seasonally Saturated – seepage ☒	Seasonally Saturated - perched ☐
Comments: Man made depression at toe slope +/- 100 Ft		

Tidal

Subtidal ☐	Regularly Flooded ☐	Irregularly Flooded ☐
Seasonally Flooded ☐	Temporarily Flooded ☐	
Comments: N/A		

WETLAND TYPE:

System

Estuarine ☐	Riverine ☐	Palustrine ☑
Lacustrine ☐	Marine ☐	
Comments:		

Class

Emergent Marsh ☐	Scrub-shrub ☐	Forested ☑
Open Water ☐	Disturbed ☐	
Comments:		

WATERCOURSE TYPE:

Upper Perennial ☐	Lower Perennial ☐	Intermittent ☐
Tidal ☐		
Comments: N/A		

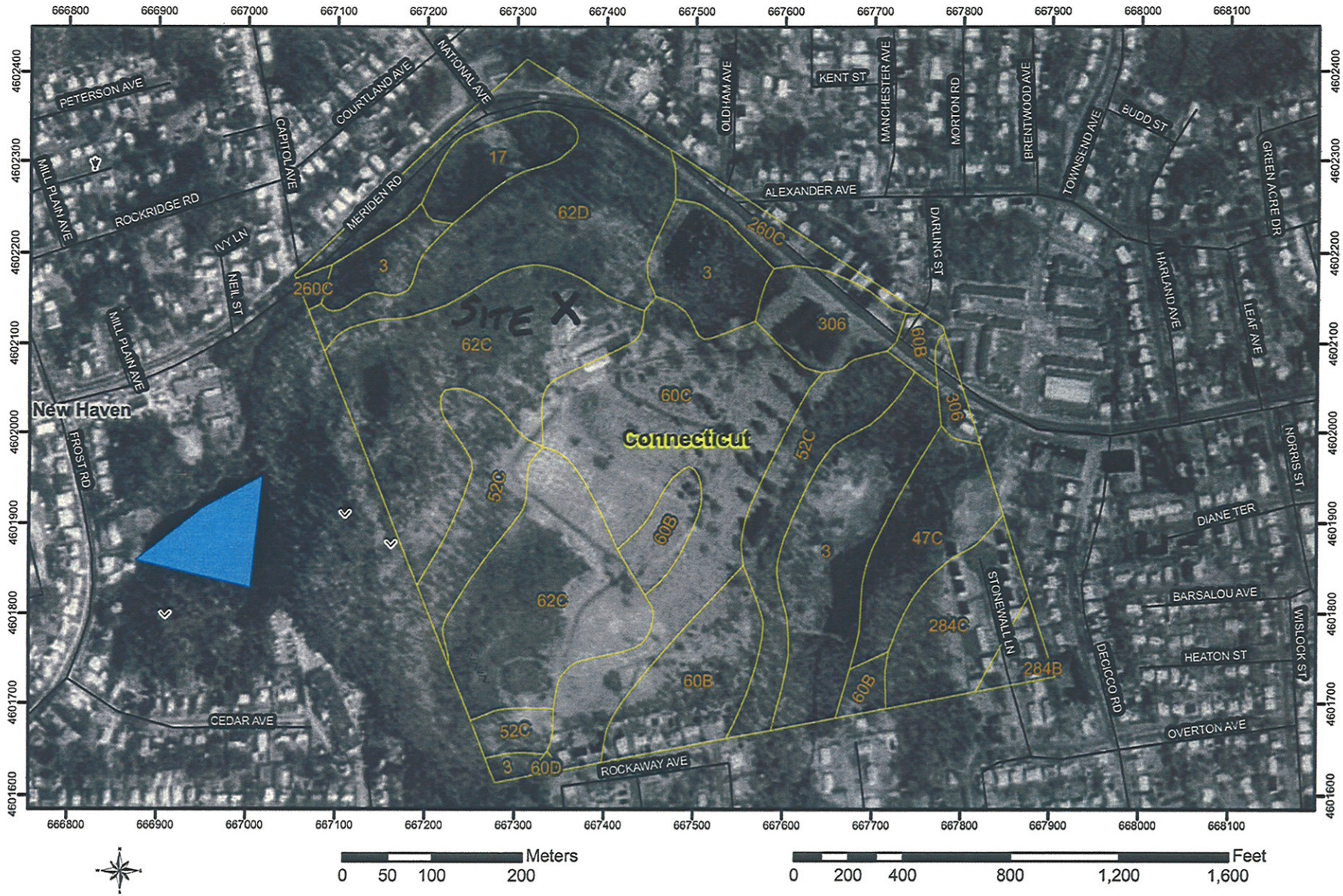
SPECIAL AQUATIC HABITAT:

Vernal Pool ☐	Other ☐	
Comments: N/A		

DOMINANT PLANTS:

Cinnamon fern	
Skunk Cabbage	

SOIL SURVEY OF STATE OF CONNECTICUT



MAP LEGEND

- Soil Map Units
- Cities
- Detailed Counties
- Detailed States
- Interstate Highways
- Roads
- Rails
- Water
- Hydrography
- Oceans
- Escarpment, bedrock
- Escarpment, non-bedrock
- Gulley
- Levee
- Slope
- Blowout
- Borrow Pit
- Clay Spot
- Depression, closed
- Eroded Spot
- Gravel Pit
- Gravelly Spot
- Gulley
- Lava Flow
- Landfill
- Marsh or Swamp
- Miscellaneous Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Slide or Slip
- Sinkhole
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Perennial Water
- Wet Spot

MAP INFORMATION

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov

Coordinate System: UTM Zone 18

Soil Survey Area: State of Connecticut
Spatial Version of Data: 3
Soil Map Compilation Scale: 1:12000

Map comprised of aerial images photographed on these dates:
4/3/1991; 4/12/1991; 4/13/1992

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend Summary

State of Connecticut

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3	Ridgebury, Leicester, and Whitman soils, extremely stony	13.8	13.2
17	Timakwa and Natchaug soils	2.7	2.6
47C	Woodbridge fine sandy loam, 2 to 15 percent slopes, extremely stony	4.9	4.7
52C	Sutton fine sandy loam, 2 to 15 percent slopes, extremely stony	10.5	10.0
60B	Canton and Charlton soils, 3 to 8 percent slopes	8.0	7.6
60C	Canton and Charlton soils, 8 to 15 percent slopes	16.6	15.8
60D	Canton and Charlton soils, 15 to 25 percent slopes	0.1	0.1
62C	Canton and Charlton soils, 3 to 15 percent slopes, extremely stony	23.0	22.0
62D	Canton and Charlton soils, 15 to 35 percent slopes, extremely stony	12.8	12.2
260C	Charlton-Urban land complex, 8 to 15 percent slopes	2.4	2.3
284B	Paxton-Urban land complex, 3 to 8 percent slopes	1.1	1.0
284C	Paxton-Urban land complex, 8 to 15 percent slopes	4.9	4.7
306	Udorthents-Urban land complex	4.1	3.9

Map Unit Description (Brief)

State of Connecticut

[Only those map units that have entries for the selected non-technical description categories are included in this report]

Map Unit: 3 - Ridgebury, Leicester, and Whitman soils, extremely stony

Description Category: SOI

Ridgebury, Leicester And Whitman Soils, Extremely Stony
This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 37 to 50 inches (940 to 1270 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 40 percent Ridgebury soils, 35 percent Leicester soils, 15 percent Whitman soils. 10 percent minor components.

Ridgebury soils
This component occurs on upland drainageway and depression landforms. The parent material consists of lodgement till derived from granite, schist, and gneiss. The slope ranges from 0 to 5 percent and the runoff class is very low. The depth to a restrictive feature is 20 to 30 inches to densic material. The drainage class is poorly drained. The slowest permeability within 60 inches is about 0.00 in/hr (very slow), with about 2.5 inches (low) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is about 3 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 7s
Typical Profile:
0 to 1 inches; slightly decomposed plant material
1 to 5 inches; fine sandy loam
5 to 14 inches; fine sandy loam
14 to 21 inches; fine sandy loam
21 to 60 inches; sandy loam

Leicester soils
This component occurs on upland drainageway and depression landforms. The parent material consists of melt-out till derived from granite, schist, and gneiss. The slope ranges from 0 to 5 percent and the runoff class is very low. The depth to a restrictive feature is greater than 60 inches. The drainage class is poorly drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 7.4 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is about 9 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 7s
Typical Profile:
0 to 1 inches; moderately decomposed plant material
1 to 7 inches; fine sandy loam
7 to 10 inches; fine sandy loam
10 to 18 inches; fine sandy loam
18 to 24 inches; fine sandy loam
24 to 43 inches; gravelly fine sandy loam
43 to 65 inches; gravelly fine sandy loam

Whitman soils
This component occurs on upland drainageway and depression landforms. The parent material consists of lodgement till derived from gneiss, schist, and granite. The slope ranges from 0 to 2 percent and the runoff class is very low. The depth to a restrictive feature is 12 to 20 inches to densic material. The drainage class is very poorly drained. The slowest permeability within 60 inches is about 0.00 in/hr (very slow), with about 1.9 inches (very low) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is occasional. The minimum depth to a seasonal water table, when present, is about 0 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 7s
Typical Profile:
0 to 1 inches; slightly decomposed plant material
1 to 9 inches; fine sandy loam
9 to 16 inches; fine sandy loam
16 to 22 inches; fine sandy loam
22 to 60 inches; fine sandy loam

Map Unit Description (Brief)

State of Connecticut

Map Unit: 17 - Timakwa and Natchaug soils

Description Category: SOI

Timakwa And Natchaug Soils
This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 40 to 50 inches (1016 to 1270 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 45 percent Timakwa soils, 40 percent Natchaug soils. 15 percent minor components.

Timakwa soils
This component occurs on depression landforms. The parent material consists of woody organic material over sandy and gravelly glaciofluvial deposits. The slope ranges from 0 to 2 percent and the runoff class is negligible. The depth to a restrictive feature is greater than 60 inches. The drainage class is very poorly drained. The slowest permeability within 60 inches is about 5.95 in/hr (rapid), with about 16.2 inches (very high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 3.9 LEP (moderate). The flooding frequency for this component is rare. The ponding hazard is frequent. The minimum depth to a seasonal water table, when present, is about 4 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 5w
Typical Profile:
0 to 10 inches; muck
10 to 21 inches; muck
21 to 24 inches; muck
24 to 37 inches; muck
37 to 47 inches; very gravelly loamy coarse sand
47 to 60 inches; gravelly loamy very fine sand

Natchaug soils
This component occurs on depression landforms. The parent material consists of woody organic material over loamy alluvium, loamy glaciofluvial deposits, or loamy till. The slope ranges from 0 to 2 percent and the runoff class is negligible. The depth to a restrictive feature is greater than 60 inches. The drainage class is very poorly drained. The slowest permeability within 60 inches is about 0.20 in/hr (moderately slow), with about 15.6 inches (very high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 3.9 LEP (moderate). The flooding frequency for this component is rare. The ponding hazard is frequent. The minimum depth to a seasonal water table, when present, is about 0 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 5w
Typical Profile:
0 to 2 inches; peat
2 to 4 inches; peat
4 to 6 inches; muck
6 to 11 inches; muck
11 to 18 inches; muck
18 to 24 inches; muck
24 to 33 inches; fine sandy loam
33 to 36 inches; fine sandy loam
36 to 80 inches; loam

Map Unit Description (Brief)

State of Connecticut

Map Unit: 47C - Woodbridge fine sandy loam, 2 to 15 percent slopes, extremely stony

Description Category: SOI

Woodbridge Fine Sandy Loam, 2 To 15 Percent Slopes, Extremely Stony
This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 37 to 49 inches (940 to 1244 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 80 percent Woodbridge soils. 20 percent minor components.

Woodbridge soils
This component occurs on upland drumlin and hill landforms. The parent material consists of lodgement till derived from schist, granite, and gneiss. The slope ranges from 2 to 15 percent and the runoff class is medium. The depth to a restrictive feature is 20 to 40 inches to densic material. The drainage class is moderately well drained. The slowest permeability within 60 inches is about 0.00 in/hr (very slow), with about 3.9 inches (moderate) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is about 24 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 7s
Typical Profile:
0 to 7 inches; fine sandy loam
7 to 18 inches; fine sandy loam
18 to 26 inches; fine sandy loam
26 to 30 inches; fine sandy loam
30 to 43 inches; gravelly fine sandy loam
43 to 65 inches; gravelly fine sandy loam

Map Unit: 52C - Sutton fine sandy loam, 2 to 15 percent slopes, extremely stony

Description Category: SOI

Sutton Fine Sandy Loam, 2 To 15 Percent Slopes, Extremely Stony
This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 37 to 49 inches (940 to 1244 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 80 percent Sutton soils. 20 percent minor components.

Sutton soils
This component occurs on upland hill landforms. The parent material consists of melt-out till derived from granite, gneiss, and schist. The slope ranges from 2 to 15 percent and the runoff class is low. The depth to a restrictive feature is greater than 60 inches. The drainage class is moderately well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 7.3 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is about 24 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 7s
Typical Profile:
0 to 1 inches; moderately decomposed plant material
1 to 6 inches; fine sandy loam
6 to 12 inches; fine sandy loam
12 to 24 inches; fine sandy loam
24 to 28 inches; fine sandy loam
28 to 36 inches; gravelly fine sandy loam
36 to 65 inches; gravelly sandy loam

Map Unit Description (Brief)

State of Connecticut

Map Unit: 60B - Canton and Charlton soils, 3 to 8 percent slopes

Description Category: SOI

Canton And Charlton Soils, 3 To 8 Percent Slopes
This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 37 to 49 inches (940 to 1244 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 45 percent Canton soils, 35 percent Charlton soils. 20 percent minor components.

Canton soils
This component occurs on upland hill landforms. The parent material consists of melt-out till derived from schist, granite, and gneiss. The slope ranges from 3 to 8 percent and the runoff class is low. The depth to a restrictive feature is greater than 60 inches. The drainage class is well drained. The slowest permeability within 60 inches is about 1.98 in/hr (moderately rapid), with about 5.6 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 2e
Typical Profile:
0 to 1 inches; moderately decomposed plant material
1 to 3 inches; gravelly fine sandy loam
3 to 15 inches; gravelly loam
15 to 24 inches; gravelly loam
24 to 30 inches; gravelly loam
30 to 60 inches; very gravelly loamy sand

Charlton soils
This component occurs on upland hill landforms. The parent material consists of melt-out till derived from granite, schist, and gneiss. The slope ranges from 3 to 8 percent and the runoff class is low. The depth to a restrictive feature is greater than 60 inches. The drainage class is well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 6.4 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 2e
Typical Profile:
0 to 4 inches; fine sandy loam
4 to 7 inches; fine sandy loam
7 to 19 inches; fine sandy loam
19 to 27 inches; gravelly fine sandy loam
27 to 65 inches; gravelly fine sandy loam

Map Unit Description (Brief)

State of Connecticut

Map Unit: 60C - Canton and Charlton soils, 8 to 15 percent slopes

Description Category: SOI

Canton And Charlton Soils, 8 To 15 Percent Slopes
This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 37 to 49 inches (940 to 1244 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 45 percent Canton soils, 35 percent Charlton soils. 20 percent minor components.

Canton soils
This component occurs on upland hill landforms. The parent material consists of melt-out till derived from schist, granite, and gneiss. The slope ranges from 8 to 15 percent and the runoff class is low. The depth to a restrictive feature is greater than 60 inches. The drainage class is well drained. The slowest permeability within 60 inches is about 1.98 in/hr (moderately rapid), with about 5.6 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 3e
Typical Profile:
0 to 1 inches; moderately decomposed plant material
1 to 3 inches; gravelly fine sandy loam
3 to 15 inches; gravelly loam
15 to 24 inches; gravelly loam
24 to 30 inches; gravelly loam
30 to 60 inches; very gravelly loamy sand

Charlton soils
This component occurs on upland hill landforms. The parent material consists of melt-out till derived from granite, schist, and gneiss. The slope ranges from 8 to 15 percent and the runoff class is low. The depth to a restrictive feature is greater than 60 inches. The drainage class is well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 6.4 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 3e
Typical Profile:
0 to 4 inches; fine sandy loam
4 to 7 inches; fine sandy loam
7 to 19 inches; fine sandy loam
19 to 27 inches; gravelly fine sandy loam
27 to 65 inches; gravelly fine sandy loam

Map Unit Description (Brief)

State of Connecticut

Map Unit: 60D - Canton and Charlton soils, 15 to 25 percent slopes

Description Category: SOI

Canton And Charlton Soils, 15 To 25 Percent Slopes
This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 37 to 49 inches (940 to 1244 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 45 percent Canton soils 35, percent Charlton soils. 20 percent minor components

Canton soils
This component occurs on upland hill landforms. The parent material consists of melt-out till derived from schist, granite, and gneiss. The slope ranges from 15 to 25 percent and the runoff class is low. The depth to a restrictive feature is greater than 60 inches. The drainage class is well drained. The slowest permeability within 60 inches is about 1.98 in/hr (moderately rapid), with about 5.6 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 4e
Typical Profile:
0 to 1 inches; moderately decomposed plant material
1 to 3 inches; gravelly fine sandy loam
3 to 15 inches; gravelly loam
15 to 24 inches; gravelly loam
24 to 30 inches; gravelly loam
30 to 60 inches; very gravelly loamy sand

Charlton soils
This component occurs on upland hill landforms. The parent material consists of melt-out till derived from granite, schist, and gneiss. The slope ranges from 15 to 25 percent and the runoff class is low. The depth to a restrictive feature is greater than 60 inches. The drainage class is well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 6.4 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 4e
Typical Profile:
0 to 4 inches; fine sandy loam
4 to 7 inches; fine sandy loam
7 to 19 inches; fine sandy loam
19 to 27 inches; gravelly fine sandy loam
27 to 65 inches; gravelly fine sandy loam

Map Unit Description (Brief)

State of Connecticut

Map Unit: 62C - Canton and Charlton soils, 3 to 15 percent slopes, extremely stony

Description Category: SOI

Canton And Charlton Soils, 3 To 15 Percent Slopes, Extremely Stony
This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 37 to 49 inches (940 to 1244 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 45 percent Canton soils, 35 percent Charlton soils. 20 percent minor components.

Canton soils
This component occurs on upland hill landforms. The parent material consists of melt-out till derived from schist, granite, and gneiss. The slope ranges from 3 to 15 percent and the runoff class is low. The depth to a restrictive feature is greater than 60 inches. The drainage class is well drained. The slowest permeability within 60 inches is about 1.98 in/hr (moderately rapid), with about 5.6 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 7s
Typical Profile:
0 to 1 inches; moderately decomposed plant material
1 to 3 inches; gravelly fine sandy loam
3 to 15 inches; gravelly loam
15 to 24 inches; gravelly loam
24 to 30 inches; gravelly loam
30 to 60 inches; very gravelly loamy sand

Charlton soils
This component occurs on upland hill landforms. The parent material consists of melt-out till derived from granite, schist, and gneiss. The slope ranges from 3 to 15 percent and the runoff class is low. The depth to a restrictive feature is greater than 60 inches. The drainage class is well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 6.4 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 7s
Typical Profile:
0 to 4 inches; fine sandy loam
4 to 7 inches; fine sandy loam
7 to 19 inches; fine sandy loam
19 to 27 inches; gravelly fine sandy loam
27 to 65 inches; gravelly fine sandy loam

Map Unit Description (Brief)

State of Connecticut

Map Unit: 62D - Canton and Charlton soils, 15 to 35 percent slopes, extremely stony

Description Category: SOI

Canton And Charlton Soils, 15 To 35 Percent Slopes, Extremely Stony
This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 37 to 49 inches (940 to 1244 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 45 percent Canton soils, 35 percent Charlton soils. 20 percent minor components

Canton soils
This component occurs on upland hill landforms. The parent material consists of melt-out till derived from schist, granite, and gneiss. The slope ranges from 15 to 35 percent and the runoff class is medium. The depth to a restrictive feature is greater than 60 inches. The drainage class is well drained. The slowest permeability within 60 inches is about 1.98 in/hr (moderately rapid), with about 5.6 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 7s
Typical Profile:
0 to 1 inches; moderately decomposed plant material
1 to 3 inches; gravelly fine sandy loam
3 to 15 inches; gravelly loam
15 to 24 inches; gravelly loam
24 to 30 inches; gravelly loam
30 to 60 inches; very gravelly loamy sand

Charlton soils
This component occurs on upland hill landforms. The parent material consists of melt-out till derived from granite, schist, and gneiss. The slope ranges from 15 to 35 percent and the runoff class is medium. The depth to a restrictive feature is greater than 60 inches. The drainage class is well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 6.4 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 7s
Typical Profile:
0 to 4 inches; fine sandy loam
4 to 7 inches; fine sandy loam
7 to 19 inches; fine sandy loam
19 to 27 inches; gravelly fine sandy loam
27 to 65 inches; gravelly fine sandy loam

Map Unit Description (Brief)

State of Connecticut

Map Unit: 260C - Charlton-Urban land complex, 8 to 15 percent slopes

Description Category: SOI

Charlton-Urban Land Complex, 8 To 15 Percent Slopes
This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 37 to 49 inches (940 to 1244 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 40 percent Charlton soils, 35 percent Urban Land. 25 percent minor components.

Charlton soils
This component occurs on upland hill landforms. The parent material consists of melt-out till derived from granite, schist, and gneiss. The slope ranges from 8 to 15 percent and the runoff class is low. The depth to a restrictive feature is greater than 60 inches. The drainage class is well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 6.4 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 3e
Typical Profile:
0 to 4 inches; fine sandy loam
4 to 7 inches; fine sandy loam
7 to 19 inches; fine sandy loam
19 to 27 inches; gravelly fine sandy loam
27 to 65 inches; gravelly fine sandy loam

Urban Land
Urban land is land mostly covered by streets, parking lots, buildings, and other structures of urban areas. The slope ranges from 8 to 15 percent and the runoff class is very high. The Nonirrigated Land Capability Class is 8

Map Unit: 284B - Paxton-Urban land complex, 3 to 8 percent slopes

Description Category: SOI

Paxton-Urban Land Complex, 3 To 8 Percent Slopes
This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 37 to 49 inches (940 to 1244 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 40 percent Paxton soils, 35 percent Urban Land. 25 percent minor components.

Paxton soils
This component occurs on upland hill and drumlin landforms. The parent material consists of lodgement till derived from granite, gneiss, and schist. The slope ranges from 3 to 8 percent and the runoff class is medium. The depth to a restrictive feature is 20 to 40 inches to densic material. The drainage class is well drained. The slowest permeability within 60 inches is about 0.00 in/hr (very slow), with about 3.4 inches (moderate) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is about 24 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 2e
Typical Profile:
0 to 8 inches; fine sandy loam
8 to 15 inches; fine sandy loam
15 to 26 inches; fine sandy loam
26 to 65 inches; gravelly fine sandy loam

Urban Land
Urban land is land mostly covered by streets, parking lots, buildings, and other structures of urban areas. The slope ranges from 3 to 8 percent and the runoff class is very high. The Nonirrigated Land Capability Class is 8

Map Unit Description (Brief)

State of Connecticut

Map Unit: 284C - Paxton-Urban land complex, 8 to 15 percent slopes

Description Category: SOI

Paxton-Urban Land Complex, 8 To 15 Percent Slopes
This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 37 to 49 inches (940 to 1244 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 40 percent Paxton soils, 35 percent Urban Land. 25 percent minor components.

Paxton soils
This component occurs on upland hill and drumlin landforms. The parent material consists of lodgement till derived from granite, gneiss, and schist. The slope ranges from 8 to 15 percent and the runoff class is medium. The depth to a restrictive feature is 20 to 40 inches to densic material. The drainage class is well drained. The slowest permeability within 60 inches is about 0.00 in/hr (very slow), with about 3.4 inches (moderate) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is about 24 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 3e
Typical Profile:
0 to 8 inches; fine sandy loam
8 to 15 inches; fine sandy loam
15 to 26 inches; fine sandy loam
26 to 65 inches; gravelly fine sandy loam

Urban Land
Urban land is land mostly covered by streets, parking lots, buildings, and other structures of urban areas. The slope ranges from 8 to 15 percent and the runoff class is very high. The Nonirrigated Land Capability Class is 8

Map Unit: 306 - Udorthents-Urban land complex

Description Category: SOI

Udorthents-Urban Land Complex
This map unit is in the New England and Eastern New York Upland, Southern Part Connecticut Valley Major Land Resource Area. The mean annual precipitation is 32 to 50 inches (813 to 1270 millimeters) and the average annual air temperature is 45 to 55 degrees F. (7 to 13 degrees C.) This map unit is 50 percent Udorthents soils, 35 percent Urban Land. 15 percent minor components.

Udorthents soils
This component occurs on cut (road, railroad, etc.), railroad bed, road bed, spoil pile, urban land, fill, and spoil pile landforms. The slope ranges from 0 to 25 percent and the runoff class is medium. The depth to a restrictive feature varies, but is commonly greater than 60 inches. The drainage class is typically well drained. The slowest permeability within 60 inches is about 0.00 in/hr (very slow), with about 9.0 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.4 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table is greater than 60 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 3e
Typical Profile:
0 to 5 inches; loam
5 to 21 inches; gravelly loam
21 to 80 inches; very gravelly sandy loam

Urban Land
Urban land is land mostly covered by streets, parking lots, buildings, and other structures of urban areas. The slope ranges from 0 to 35 percent and the runoff class is very high. The Nonirrigated Land Capability Class is 8

LOT, YARD, AND BUILDING REQUIREMENTS FOR ZONE RL		
ZONING REQUIREMENT	REQUIRED	PROPOSED
MINIMUM LOT AREA (SQ. FT.)	8,000	NO CHANGE
MINIMUM LOT WIDTH (FT.)	60* OR 75**	NO CHANGE
ACCESSORY BUILDING MINIMUM YARD: FRONT (FT.)	25 OR 50***	630 & 690
ACCESSORY BUILDING MINIMUM YARD: SIDE (FT.)	25 OR 50***	1,193 & 1,432
ACCESSORY BUILDING MINIMUM YARD: REAR (FT.)	25 OR 50***	1,435 & 1,440
TOWER MINIMUM YARD: FRONT (FT.)	120	672 & 730
TOWER MINIMUM YARD: SIDE (FT.)	120	1,226 & 1,438
TOWER MINIMUM YARD: REAR (FT.)	120	1,472 & 1,470
MAXIMUM LOT COVERAGE (%)	25	0.25% INCREASE
MAXIMUM RESIDENTIAL BUILDING HEIGHT	2 1/2 STY OR 35 FT	N/A
PARKING REQUIRED (EACH)	3.2	1
USABLE OPEN SPACE (SQ. FT. PER D.U.)	800	N/A
ACCESSORY BUILDING MAX. HEIGHT (FT.)	12	12
ACCESSORY BUILDING MAX. AREA (SQ. FT.)	750	225
MAXIMUM TOWER HEIGHT (FT.)	160	120

* REQUIREMENT FOR ONE FAMILY RESIDENCE
** REQUIREMENT FOR TWO FAMILY RESIDENCE
*** 25 FEET FROM A PROPERTY LINE OR 50 FEET FROM A RESIDENTIAL PROPERTY LINE.

ABUTTERS LIST:

SEE SHEET Z02 FOR ABUTTERS LIST.

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 RECORD PLANS, RECORD DEEDS OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY, AND ARE SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE. BOUNDARY LINES SHOWN DO NOT PRESENT A PROPERTY/BOUNDARY OPINION.

TYPE OF SURVEY: TOPOGRAPHIC SURVEY

BOUNDARY DETERMINATION CATEGORY: NONE

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

2. BASE MAPPING PREPARED BY CLOUGH HARBOUR & ASSOCIATES LLP FROM A MARCH 2006 FIELD SURVEY.

3. NORTH ORIENTATION IS BASED ON GPS OBSERVATIONS.

4. 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 TO EXCAVATING.

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

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

7. LATITUDE/LONGITUDE/ELEVATIONS WERE OBTAINED UTILIZING NGS BASE STATION NAMED "RVDI". 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.

8. SITE APPEARS TO FALL WITHIN "ZONE-C" DEFINED AS AREAS OF MINIMAL FLOODING AS SHOWN ON FLOOD INSURANCE RATE MAP, CITY OF WATERBURY, CONNECTICUT, NEW HAVEN COUNTY, PANEL 3 OF 12, COMMUNITY-PANEL NUMBER 090091 0003 B, EFFECTIVE DATE: NOVEMBER 1, 1979

9. PROBABLE WETLAND AREAS SHOWN BASED FROM INFORMATION FROM MAP REFERENCE 1

MAP REFERENCES:

1. MAP ENTITLED " MASTER GENERAL PLAN, NEW PINE GROVE CEMETERY, WATERBURY, CONNECTICUT" AS PREPARED BY GREVER & WARD, INC. DATED 7-13-99.

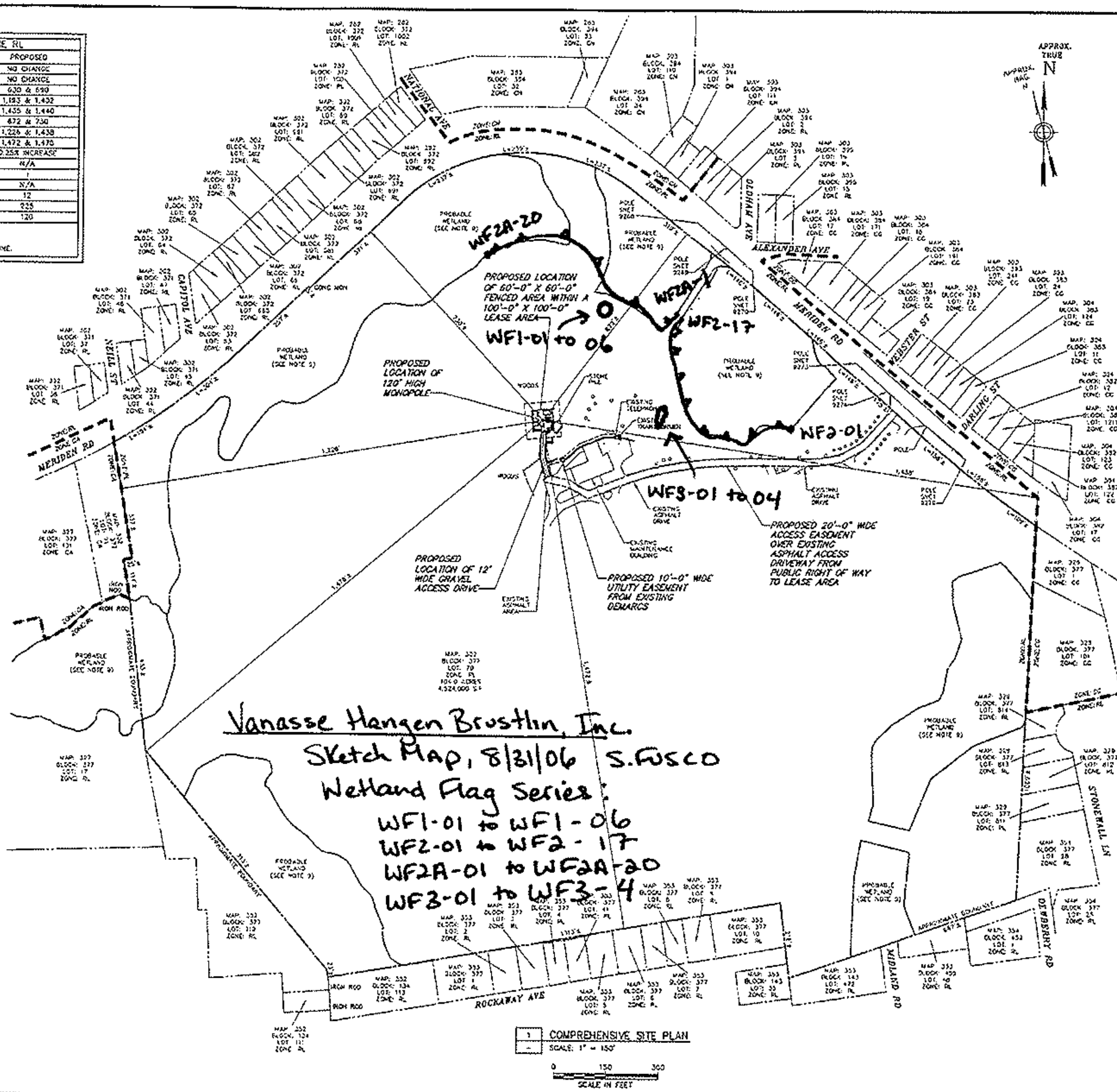
2. MAP ENTITLED "PROPERTY SURVEY MAP PREPARED FOR TONY SETARO" AS PREPARED BY ROBERT E. COLE, DATED MAY 28, 1998.

3. MAP ENTITLED " LOT LINE REVISION MAP OF LAND OWNED BY PHILIP KAMPHER" AS PREPARED BY MEYERS ASSOCIATES P.C., DATED 9-26-95

4. MAP ENTITLED "LAND TO BE CONVEYED TO CONNECTICUT SUBACUTE LLC" AS PREPARED BY NEEHAN & GOODWIN, DATED 2-11-99.

5. SUBDIVISION PLAN STONEWALL ESTATES STONEWALL LANE, WATERBURY, CONNECTICUT OWNED BY LOUIS A. CERUO, AS PREPARED BY MEYERS ASSOCIATES P.C., DATED 2-21-89.

6. CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP, TOWN OF WATERBURY, WATERBURY-MERIDEN FROM BARKER TERRACE WEST TO ALEXANDER AVENUE ROUTE 14 AND APPROVED 3-23-37.



Optasite

OPTASITE, INC.
1 RESEARCH DRIVE, SUITE 200C
WESTBOROUGH, MA 01581

CHA

CLOUGH HARBOUR & ASSOCIATES LLP

CHA PROJECT NO: 15363 - 1002 - 1801

NO.	SUBMITTAL		
0	04/05/06	ISSUED FOR REVIEW	
	BY: PAL	CHK: CH	APPD: JPS

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: CT-999-0096
SITE NAME: WATERBURY, CT
SITE ADDRESS: 940 MERIDEN ROAD
WATERBURY, CT
06705
NEW HAVEN COUNTY

SHEET TITLE: COMPREHENSIVE SITE PLAN

SHEET NUMBER: Z01

CT-999-0096
WATERBURY, CT

Optasite

NOT FOR CONSTRUCTION

PROJECT SUMMARY

SITE NUMBER:	CT-999-0096
SITE NAME:	WATERBURY, CT
SITE ADDRESS:	940 MERIDEN ROAD WATERBURY, CT 06705
PROPERTY OWNER:	PINE GROVE CEMETERY ASSOCIATION 850 MERIDEN ROAD WATERBURY, CT 06705
APPLICANT:	OPTASITE, INC. 1 RESEARCH DRIVE, SUITE 200C WESTBOROUGH, MA 01581
CONTACT:	KEITH COPPINS (508) 471-1385
2C COORDINATES:	41° 33' 11.80"N 72° 59' 36.10"W
HORIZONTAL DATUM:	NAD 83
GROUND ELEVATION:	611' AMSL
TAX M-B-L:	0302-0377-0070
CURRENT ZONING:	RL
ENGINEER:	CLOUGH HARBOUR & ASSOCIATES LLP 2139 SILAS DEANE HIGHWAY SUITE 212 ROCKY HILL, CT 06067
CONTACT:	PAUL LUSITANI (860) 257-4557

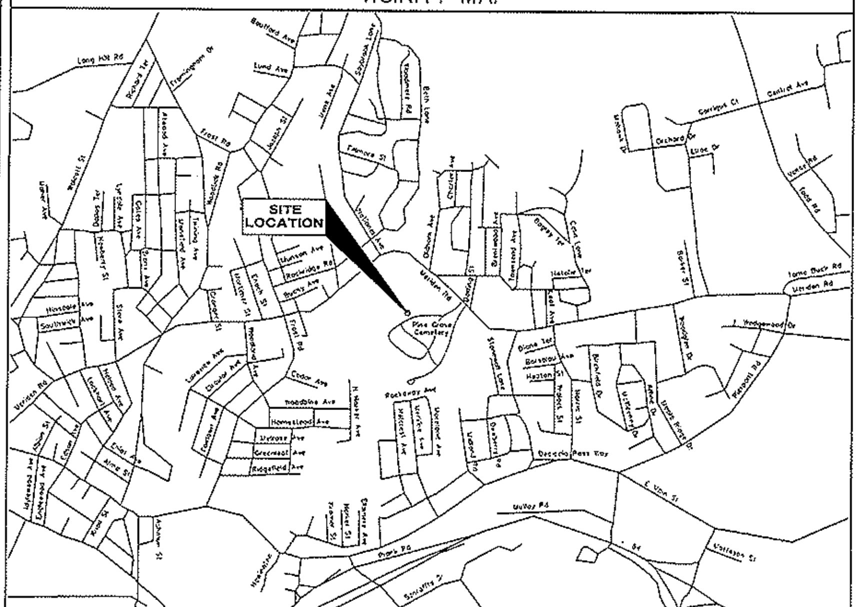
DRIVING DIRECTIONS

FROM I-84 WEST:
- TAKE EXIT 26 TOWARDS WATERBURY ROAD.
- OFF EXIT, TURN LEFT ON WATERBURY ROAD.
- TURN RIGHT ON NORRIS ROAD.
- TURN LEFT ON MERIDEN ROAD.
- SITE WILL BE ON THE LEFT.

PROJECT DESCRIPTION

THIS PROJECT PROPOSES A 60' x 60' GRAVEL COMPOUND SURROUNDED BY A 6 FT HIGH FENCE. LOCATED INSIDE THE COMPOUND WILL BE A PROPOSED 120 FOOT HIGH MONOPOLE WHICH WILL HAVE 9 ANTENNAS LOCATED AT AN ELEVATION OF 117 FEET ON THE TOWER. TELECOMMUNICATIONS EQUIPMENT WITH ASSOCIATED ELECTRICAL AND TELEPHONE SERVICES WILL BE LOCATED IN THE COMPOUND. MAINTENANCE VISITS WILL CONSIST OF ONE VISIT PER MONTH BY A TECHNICIAN IN A PICKUP TRUCK.

VICINITY MAP



NORTH

APRIL 2006

SHEET INDEX

SHEET NO:	SHEET TITLE	REVISION HISTORY NO:	REVISION HISTORY DATE
T01	TITLE SHEET	0	04 / 05 / 06
Z01	COMPREHENSIVE SITE PLAN	0	04 / 05 / 06
Z02	ABUTTERS LIST	0	04 / 05 / 06
Z03	EROSION CONTROL & GRADING PLAN	0	04 / 05 / 06
Z04	COMPOUND PLAN & TOWER ELEVATION	0	04 / 05 / 06
Z05	SITE DETAILS	0	04 / 05 / 06

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME

CT

CALL BEFORE YOU DIG

SAVE BIG, CALL BEFORE YOU DIG.
1-800-922-4455

Optasite

OPTASITE, INC.
1 RESEARCH DRIVE, SUITE 200C
WESTBOROUGH, MA 01581

CHA
CLOUGH HARBOUR & ASSOCIATES LLP

CHA PROJECT NO:
15363 – 1002 – 1601

NO.	SUBMITTAL		
0	04/05/06	ISSUED FOR REVIEW	
	BY: PAL	CHK: FN	APP'D: JPS

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SITE ID:
CT-999-0096
SITE NAME:
WATERBURY, CT
SITE ADDRESS:
940 MERIDEN ROAD
WATERBURY, CT
06705
NEW HAVEN COUNTY

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T01

LOT, YARD, AND BUILDING REQUIREMENTS FOR ZONE RL		
ZONING REQUIREMENT	REQUIRED	PROPOSED
MINIMUM LOT AREA (SQ. FT.)	6,000	NO CHANGE
MINIMUM LOT WIDTH (FT.)	50* OR 75**	NO CHANGE
ACCESSORY BUILDING MINIMUM YARD: FRONT (FT.)	25 OR 50***	630 & 690
ACCESSORY BUILDING MINIMUM YARD: SIDE (FT.)	25 OR 50***	1,193 & 1,402
ACCESSORY BUILDING MINIMUM YARD: REAR (FT.)	25 OR 50***	1,435 & 1,440
TOWER MINIMUM YARD: FRONT (FT.)	120	572 & 730
TOWER MINIMUM YARD: SIDE (FT.)	120	1,226 & 1,438
TOWER MINIMUM YARD: REAR (FT.)	120	1,472 & 1,478
MAXIMUM LOT COVERAGE (%)	25	0.25% INCREASE
MAXIMUM RESIDENTIAL BUILDING HEIGHT	2 1/2 STY OR 35 FT	N/A
PARKING REQUIRED (EACH)	5.2	1
USABLE OPEN SPACE (SQ. FT. PER D.U.)	800	N/A
ACCESSORY BUILDING MAX. HEIGHT (FT.)	12	12
ACCESSORY BUILDING MAX. AREA (SQ. FT.)	750	225
MAXIMUM TOWER HEIGHT (FT.)	160	120

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** REQUIREMENT FOR TWO FAMILY RESIDENCE
*** 25 FEET FROM A PROPERTY LINE OR 50 FEET FROM A RESIDENTIAL PROPERTY LINE.

ABUTTERS LIST:

SEE SHEET Z02 FOR ABUTTERS LIST.

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 RECORD PLANS, RECORD DEEDS OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY, AND ARE SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE. BOUNDARY LINES SHOWN DO NOT PRESENT A PROPERTY/BOUNDARY OPINION.

TYPE OF SURVEY: TOPOGRAPHIC SURVEY

BOUNDARY DETERMINATION CATEGORY: NONE

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

2. BASE MAPPING PREPARED BY CLOUGH HARBOUR & ASSOCIATES LLP FROM A MARCH 2006 FIELD SURVEY.

3. NORTH ORIENTATION IS BASED ON GPS OBSERVATIONS.

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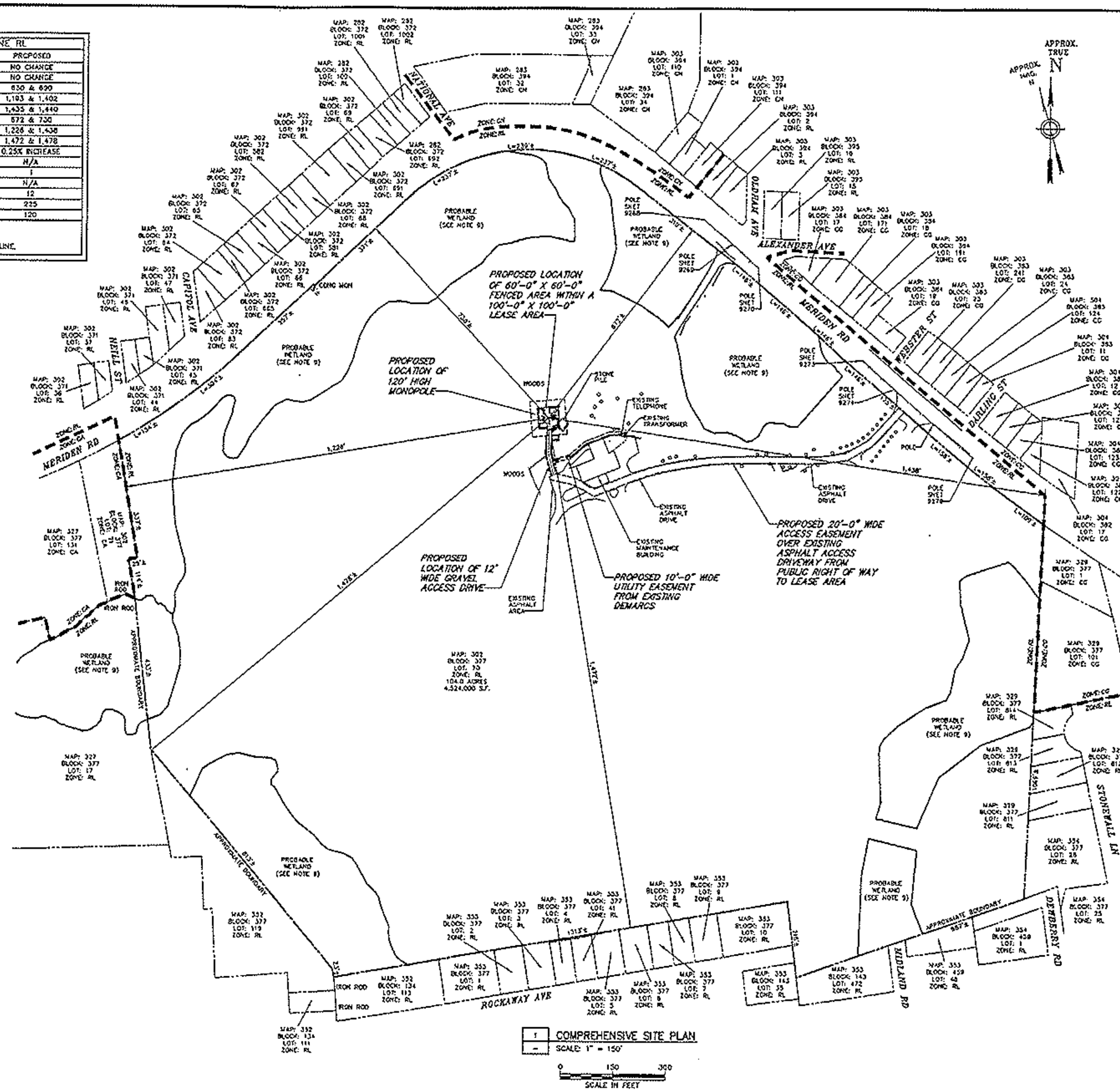


COMPREHENSIVE SITE PLAN
SCALE: 1" = 150'
0 150 300
SCALE IN FEET

Optasite
OPTASITE, INC.
1 RESEARCH DRIVE, SUITE 200C
WESTBOROUGH, MA 01581

CHA
CLOUGH HARBOUR & ASSOCIATES LLP

CHA PROJECT NO:
15363 - 1002 - 1601

NO.	SUBMITTAL		
0	04/03/08	ISSUED FOR REVIEW	
	BY: PAL	CHK: FM	APP'D: JPS

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:
CT-999-0096
SITE NAME:
WATERBURY, CT
SITE ADDRESS:
940 MERIDEN ROAD
WATERBURY, CT
06705
NEW HAVEN COUNTY

SHEET TITLE
COMPREHENSIVE SITE PLAN

SHEET NUMBER
Z01

MAP 0282:

0282-0372-0100
MEGALO MEDIA INC
C/O GANNETT OUTDOOR CO CT
0119 WATER ST
PO BOX 8085
NEW HAVEN CT 06530

0282-0372-1001
MEGALO MEDIA INC
C/O GANNETT OUTDOOR CO CT
0119 WATER ST
PO BOX 8085
NEW HAVEN CT 06530

0282-0372-1002
MEGALO MEDIA INC
C/O GANNETT OUTDOOR CO CT
0119 WATER ST
PO BOX 8085
NEW HAVEN CT 06530

MAP 0283:

0283-0394-0032
LAROSA GERALD A & FRANK
COCCA
737 MERIDEN RD
WATERBURY CT 06705

0283-0394-0033
WINDEY JOSEPH GEORGE
101 CARRIAGE DR
MIDDLEBURY CT 06762

0283-0394-0034
EMMONS ROBERT H SR. & EDITH L
0807 MERIDEN RD
WATERBURY CT 06705

MAP 0302:

0302-0371-0036
AKOURY WILLIAM & FRANCIS
617 MERIDEN RD
WATERBURY CT 06705

0302-0371-0037
SOTO JULIO & YECENIA
0621 MERIDEN RD
WATERBURY CT 06705

0302-0371-0044
GUTIERREZ ANA & LUIS COLON
631 MERIDEN RD
WATERBURY CT 06705

0302-0371-0045
GUTIERREZ ANA & LUIS COLON
631 MERIDEN RD
WATERBURY CT 06705

0302-0371-0046
NEGRON BERNARDO L
645 MERIDEN RD
WATERBURY CT 06705

0302-0371-0047
GREGOR PATRICK P JR
651 MERIDEN RD
WATERBURY CT 06705

0302-0372-0063
SPAHIU SHKELCIM & ELIZAETA
671 MERIDEN RD
WATERBURY CT 06705

0302-0372-0064
DEATIENZA ALBERT
673 MERIDEN RD
WATERBURY CT 06705

0302-0372-0065
CAMPAGNA STANLEY E & EVELYN K
683 MERIDEN RD
WATERBURY CT 06705

0302-0372-0066
DOSTALER VINCENT JOSEPH & JANICE
695 MERIDEN RD
WATERBURY CT 06705

0302-0372-0067
KIRLEY MORGAN E
691 MERIDEN RD
WATERBURY CT 06705

0302-0372-0068
COLON VICTOR A & BETTY A
709 MERIDEN RD
WATERBURY CT 06705

0302-0372-0069
GALLUCCI JOSEPHINE
0727 MERIDEN RD
WATERBURY CT 06705

0302-0372-0581
CARTA RICHARD A & JANICE
705 MERIDEN RD
WATERBURY CT 06705

0302-0372-0582
CARTA RICHARD A & JANICE
0516 NORTH CHURCH ST
NAUGATUCK CT 06770

0302-0372-0665
CAMPAGNA STANLEY E & EVELYN K
683 MERIDEN RD
WATERBURY CT 06705

0302-0372-0691
GALLUCCI JOSEPHINE
0727 MERIDEN RD
WATERBURY CT 06705

0302-0372-0692
GALLUCCI JOSEPHINE
0727 MERIDEN RD
WATERBURY CT 06705

0302-0372-0991
EMMONS DAVID
717 MERIDEN RD
WATERBURY CT 06705

0302-0377-0070
PINE GROVE CEMETERY ASSOCIATION
850 MERIDEN RD
WATERBURY CT 06705

0302-0377-0071
SETARO ANTHONY G & ROSE
220 HIGHMEADOW RD
WATERTOWN CT 06795

MAP 0303:

0303-0383-0023
REGAN DONALD E
0905 MERIDEN RD
WATERBURY CT 06705

0303-0383-0024
ASCIONE ANDREW
185 SUMMIT RD
CHESHIRE CT 06410

0303-0383-0241
ASCIONE ANDREW
185 SUMMIT RD
CHESHIRE CT 06410

0303-0384-0017
MARINO MICHAEL A & VICTORIA E
0213 PARK RD
WATERBURY CT 06708

0303-0384-0018
OUELLETTE BROS DRYWALL CO INC
192 ANDREWS RD
WOLCOTT CT 06716

0303-0384-0019
R R S LLC
893 MERIDEN RD
WATERBURY CT 06705

0303-0384-0171
MARINO MICHAEL A & VICTORIA E
0213 PARK RD
WATERBURY CT 06708

0303-0384-0191
R R S LLC
893 MERIDEN RD
WATERBURY CT 06705

0303-0394-0001
THERIAULT CARL TRUSTEE
817 MERIDEN RD
WATERBURY CT 06705

0303-0394-0002
MOORE JEFFREY T
96 HARTFORD TURNPIKE
VERON CT 06066

0303-0394-0003
ARZU SIMEON M & LESLIE
835 MERIDEN RD
WATERBURY CT 06705

0303-0394-0110
THERIAULT CARL TRUSTEE
817 MERIDEN RD
WATERBURY CT 06705

0303-0394-0111
THERIAULT ROBERT W & IRENE
0817 MERIDEN RD
WATERBURY CT 06705

0303-0395-0015
CITY OF WATERBURY
PUMP STATION

0303-0395-0016
VASKO SANDOR
0023 WESTGATE RD
OXFORD CT 06478

MAP 0304:

0304-0382-0012
TAILLON JACQUELINE
975 MERIDEN RD
WATERBURY CT 06705

0304-0382-0017
SCOTT REALTY LLC
411 HIGHLAND AVE
WATERBURY CT 06708

0304-0382-0122
HURDS HILL LLC
327 HUNTINGDON AVE
WATERBURY CT 06708

0304-0382-0123
HURDS HILL LLC
327 HUNTINGDON AVE
WATERBURY CT 06708

0304-0382-1211
HURDS HILL LLC
327 HUNTINGDON AVE
WATERBURY CT 06708

0304-0383-0011
BURTONS MONUMENT SHP
927 MERIDEN RD
WATERBURY CT 06705

0304-0383-0124
BURTON RICHARD R & JOAN
0016 BOULDER DR
WOLCOTT CT 06716

MAP 0327:

0327-0377-0017
ROSA DOMENIC JR
1 EXCHANGE PL
WATERBURY CT 06702

0327-0377-0131
MECCA MOTORS INC
0073 SPLIT ROCK DR
WATERBURY CT 06706

MAP 0329:

0329-0377-0001
DANIELLO ROBERT A
0303 WINDY DRIVE
WATERBURY CT 06705

0329-0377-0101
MERIDEN ROAD SELF-STORAGE LLC
50 WESTWOOD DRIVE
MIDDLEBURY, CT 06762

0329-0377-0811
DEFILIO LOUIS A
127 MORSEMERE AVE
YONKERS NY 10703

0329-0377-0812
DEFILIO LOUIS A
127 MORSEMERE AVE
YONKERS NY 10703

0329-0377-0813
DEFILIO LOUIS A
127 MORSEMERE AVE
YONKERS NY 10703

0329-0377-0814
DEFILIO LOUIS A
127 MORSEMERE AVE
YONKERS NY 10703

MAP 0352:

0352-0134-0111
COLLINS RAYMOND B &
MARJORIE T
0328 NORTH MARKER AVE
WATERBURY CT 06705

0352-0134-0113
MANCINO SAMUEL & FLORENCE
C/O STOCKWELL
57 WHEELER ST
WATERTOWN CT 06795

0352-0377-0119
CONNECTICUT SUBACUTE LLC
955 SOUTH MAIN ST
MIDDLETOWN CT 06457

MAP 0353:

0353-0143-0035
BLANCHARD RENE E
200 MORELAND AVENUE
WATERBURY CT 06705

0353-0143-0472
CVAGGIANO MICHAEL D & EUGENIA R
159 MIDLAND RD
WATERBURY CT 06705

0353-0377-0001
DANIELE LINDA
79 ROCKAWAY AVE
WATERBURY CT 06705

0353-0377-0002
DANIELE LINDA
79 ROCKAWAY AVE
WATERBURY CT 06705

0353-0377-0003
DANIELE LINDA
0079 ROCKAWAY AVE
WATERBURY CT 06705

0353-0377-0004
ROY RANDY W & JUDITH A
89 ROCKAWAY AVE
WATERBURY CT 06708

0353-0377-0005
COCCHIOLA BRUCE E & ELIZABETH
109 ROCKAWAY AVE
WATERBURY CT 06705

0353-0377-0006
YOVINA DOUGLAS P & LILLIAN F
0115 ROCKAWAY AVE
WATERBURY CT 06705

0353-0377-0007
PIERCE CAROL A & TIMOTHY
127 ROCKAWAY AVE
WATERBURY CT 06705

0353-0377-0008
EL-SID AHLAM
137 ROCKAWAY AVE
WATERBURY CT 06708

0353-0377-0009
BEGLEY ANTHONY J & LINDA J
0145 ROCKAWAY AVE
WATERBURY CT 06705

0353-0377-0010
DIONDI PETER & ROBERTA
0159 ROCKAWAY AVE
WATERBURY CT 06705

0353-0377-0041
SPADER ANNETTE M & MICHAEL R
97 ROCKAWAY AVE
WATERBURY CT 06370

0353-0459-0048
LUCIAN CRAIG D & ARLENE
0170 MIDLAND RD
WATERBURY CT 06705

MAP 0354:

0354-0377-0025
NOSS ROBERT T
109 OVERTON AVE
WATERBURY CT 06705

0354-0377-0028
PARENT EST ARTHUR C
0110 OVERTON AVE
C/O ANN C PARENT
WATERBURY CT 06705

0354-0459-0001
LUCIAN CRAIG D & ARLENE
0170 MIDLAND RD
WATERBURY CT 06705

Optasite

OPTASITE, INC.
1 RESEARCH DRIVE, SUITE 2000
WESTBOROUGH, MA 01581

CHA
CLOUGH HARBOUR & ASSOCIATES LLP
2139 Silas Deane Highway, Suite 212 - Rocky Hill, CT 06067-2336
Main: (860) 257-4557 · www.cloughharbour.com

CHA PROJECT NO:
15363 – 1002 – 1601

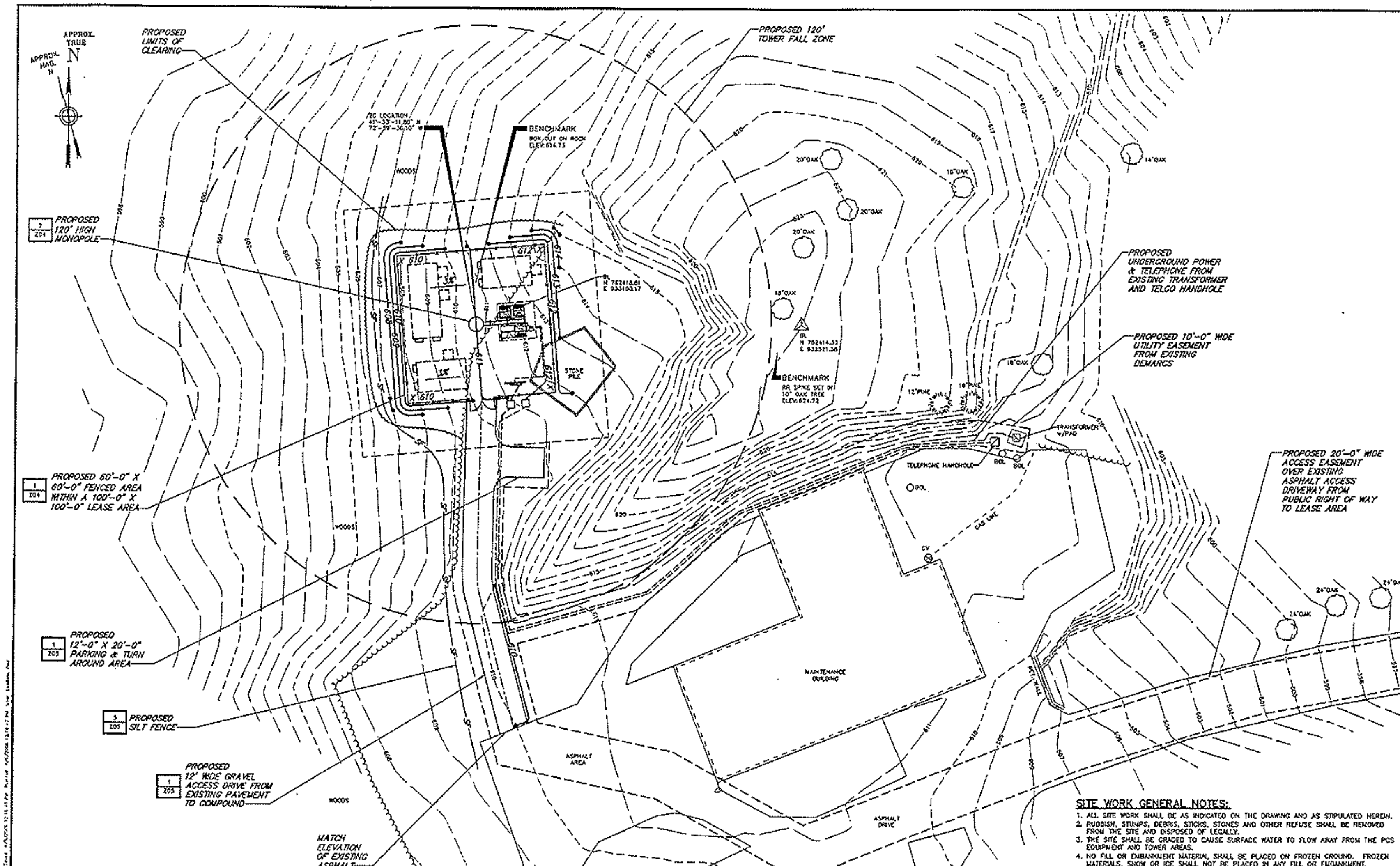
NO.	SUBMITTAL		
0	04/05/06	ISSUED FOR REVIEW	
	BY: PAL	CHK: FM	APP'D: JPS

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:
CT–999–0096
SITE NAME:
WATERBURY, CT
SITE ADDRESS:
940 MERIDEN ROAD
WATERBURY, CT
06705
NEW HAVEN COUNTY

SHEET TITLE
ABUTTERS LIST

SHEET NUMBER
Z02



EROSION CONTROL NOTES:

1. ALL SILT FENCING AND HAYBALE SILTATION CONTROL TO BE INSTALLED PER PLAN AND MAINTAINED FOR THE DURATION OF THE CONSTRUCTION PERIOD.
2. ALL EROSION CONTROL SHOULD BE MAINTAINED UNTIL ALL SEEDING HAS TAKEN HOLD AND SLOPES ARE PROPERLY STABILIZED.
3. SEEDING IS TO TAKE PLACE IMMEDIATELY AFTER FINISH GRADING OF SLOPES IS COMPLETED.

1 — EROSION CONTROL & GRADING PLAN
SCALE: 1" = 20'
0 20 40 SCALE IN FEET

SITE WORK GENERAL NOTES:

1. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWING AND AS STIPULATED HEREIN.
2. RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
3. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE PCS EQUIPMENT AND TOWER AREAS.
4. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
5. THE SUBGRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
6. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW.
7. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF ENGINEERING.
8. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE BUILDING OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, FERTILIZED, SEEDED, AND COVERED WITH MULCH.
9. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH STATE OF CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL AND COORDINATED WITH THE TOWN/COUNTY CODE ENFORCEMENT OFFICE.
10. CONTRACTOR IS TO SUPPLY COMBINATION LOCKS PER OPTASITE SPECIFICATIONS.

Optasite
OPTASITE, INC.
1 RESEARCH DRIVE, SUITE 200C
WESTBOROUGH, MA 01581

CHA
CLOUGH HARBOUR & ASSOCIATES LLP
2139 Silas Deane Highway, Suite 212 - Rocky Hill, CT 06067-2336
Main: (860) 257-4557 - www.cloughharbour.com

CHA PROJECT NO: 15363 – 1002 – 1601

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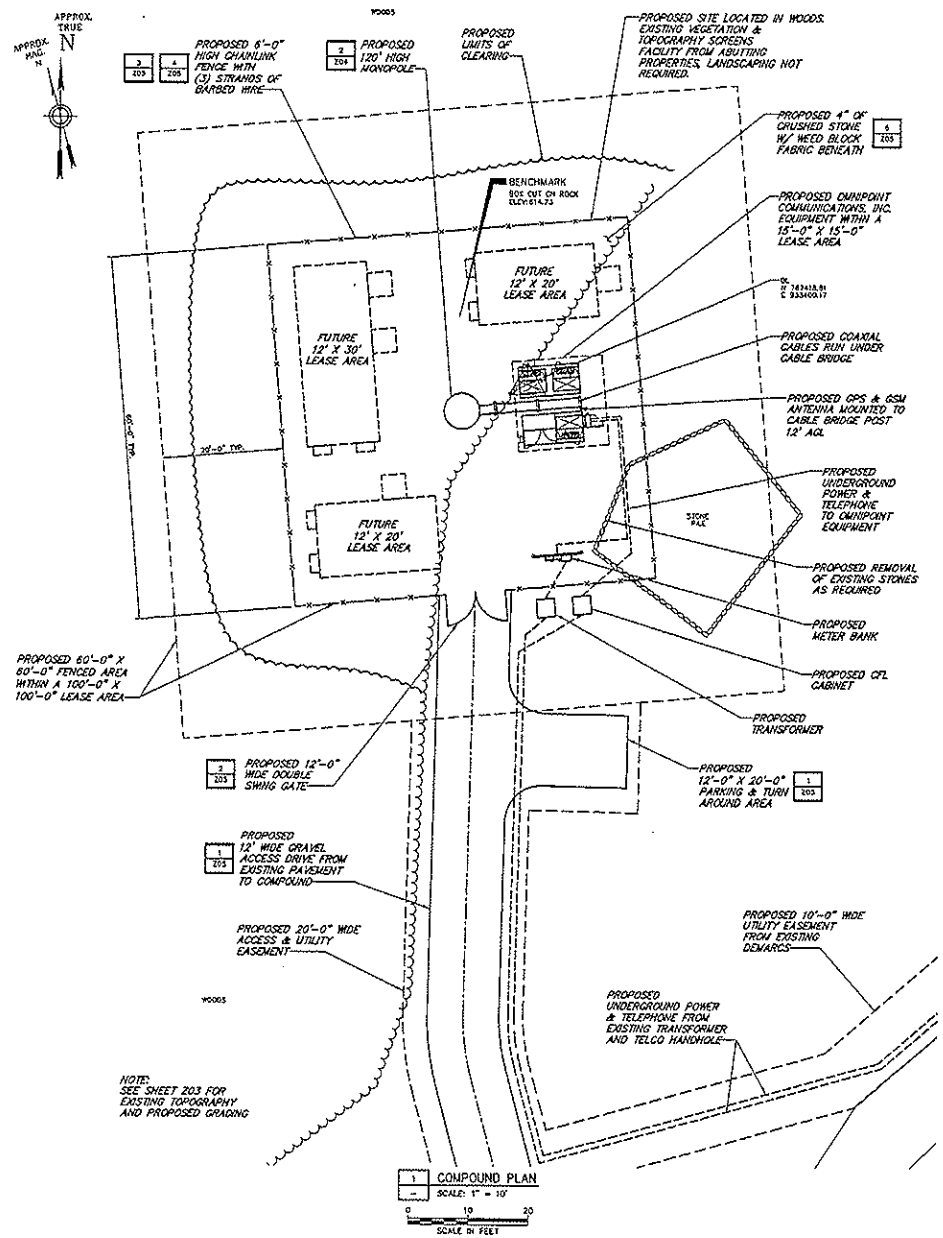
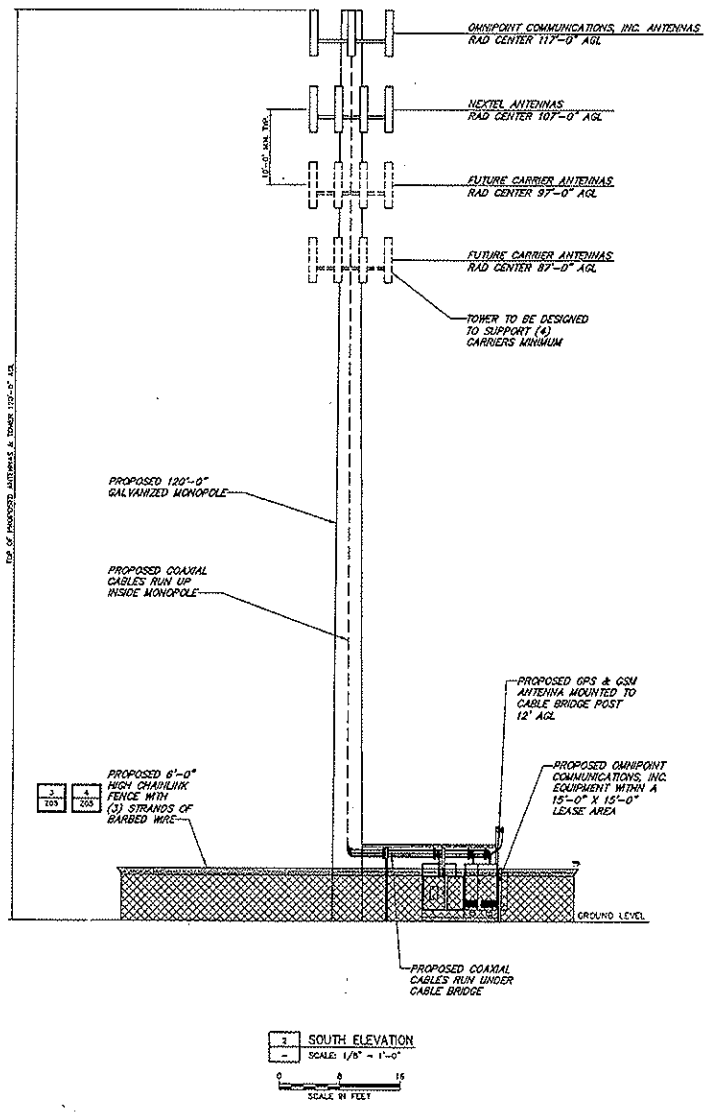
SITE ID: CT-999-0096
SITE NAME: WATERBURY, CT
SITE ADDRESS: 940 MERIDEN ROAD WATERBURY, CT 06705 NEW HAVEN COUNTY

SHEET TITLE: EROSION CONTROL & GRADING PLAN

SHEET NUMBER: Z03





Optasite
OPTASITE, INC.
1 RESEARCH DRIVE, SUITE 200G
WESTBOROUGH, MA 01581

CHA
CLOUGH HARBOUR & ASSOCIATES LLP
2038 Silas Deane Highway, Suite 212 - Rocky Hill, CT 06067-2338
Main: (860) 257-4533 - www.cloughharbour.com

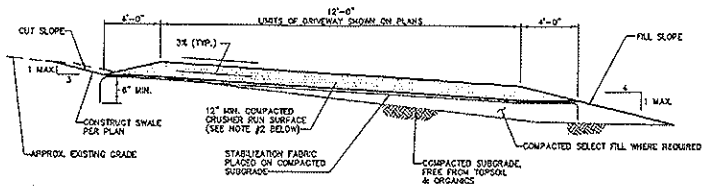
CHA PROJECT NO:
15363 - 1002 - 1601

NO.	SUBMITTAL	
0	04/05/06	ISSUED FOR REVIEW
BY: PAL	CHK: PH	APP'D: JPS

SITE ID:
CT-999-0096
SITE NAME:
WATERBURY, CT
SITE ADDRESS:
940 MERIDEN ROAD
WATERBURY, CT
06705
NEW HAVEN COUNTY

SHEET TITLE
COMPOUND PLAN
& TOWER ELEVATION

SHEET NUMBER
Z04

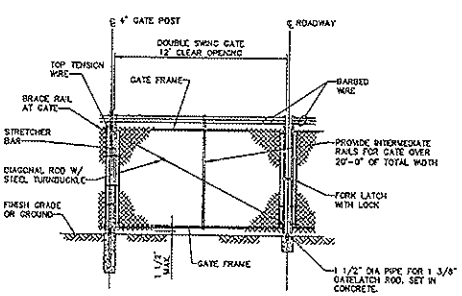


NOTES: 1. WHERE REQUIRED BY THE ENGINEER, THE PROPOSED DRIVEWAY BED SHALL BE OVER-EXCAVATED AND FILLED WITH BANK RUN GRAVEL. THE MATERIAL USED SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR WILL BE PAID EXTRA FOR OVER-EXCAVATION AND BACKFILL WITH BANK RUN GRAVEL ON A UNIT PRICE BASIS.

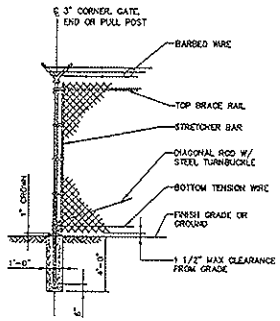
2. SAND, GRAVEL OR BANK-RUN NOT PERMITTED FOR CRUSHER RUN SURFACE. MATERIAL TO BE FREE FROM ORGANICS AND CONSIST SOLELY OF CRUSHED ROCK PRODUCT WITH THE FOLLOWING GRADATION:

SIEVE: 2"	% PASSING: 100
SIEVE 1/4"	% PASSING: 25-60
SIEVE NO. 40	% PASSING: 5-40
SIEVE NO. 200	% PASSING: 0-10

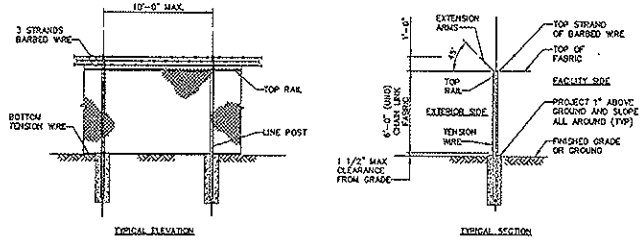
1 — PITCHED DRIVEWAY SECTION
– NO SCALE



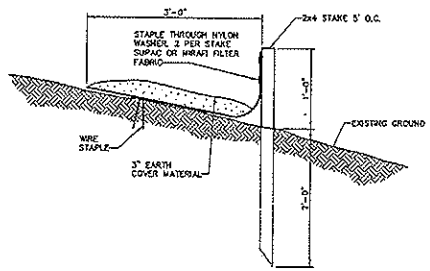
2 — WOVEN WIRE SWING GATE, DOUBLE DETAIL
– NO SCALE



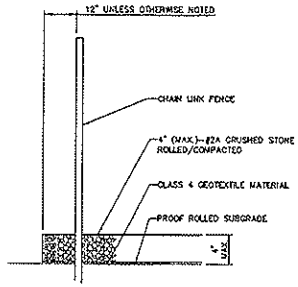
3 — WOVEN WIRE CORNER, GATE, END OR PULL POST
– NO SCALE



4 — WOVEN WIRE FENCE
– NO SCALE



5 — SILT FENCE DETAIL
– NO SCALE



6 — SITE AREA SURFACING
– NO SCALE

Optasite
OPTASITE, INC.
1 RESEARCH DRIVE, SUITE 200G
WESTBOROUGH, MA 01581

CHA
CLOUGH HARBOUR & ASSOCIATES LLP
2038 South Ocean Highway, Suite 212 - Rocky Hill, CT 06067-2358
phone: (860) 257-4152 • www.cloughharbour.com

CHA PROJECT NO:
15363 – 1002 – 1601

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SITE ID:
CT-999-0096
SITE NAME:
WATERBURY, CT
SITE ADDRESS:
940 MERIDEN ROAD
WATERBURY, CT
06705
NEW HAVEN COUNTY

SHEET TITLE
SITE DETAILS

SHEET NUMBER
Z05