



**Connecticut
Light & Power**

The Northeast Utilities System

**APPLICATION TO THE
CONNECTICUT SITING COUNCIL**

FOR A

**CERTIFICATE OF ENVIRONMENTAL
COMPATIBILITY AND PUBLIC NEED**

FOR THE

Sherwood Substation

**6 New Creek Road
Westport, Connecticut**

December 29, 2009

Submitted by:

**The Connecticut Light & Power Company
107 Selden Street
Berlin, CT 06037**

Volume II of II

Volume II, Application

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Exhibit 3	Wetlands Delineation Report and Tidal Wetlands Delineation Report
Exhibit 4	CTDEP Correspondence
Exhibit 5	SHPO Correspondence
Exhibit 6	Government Approvals Obtained
Exhibit 7	Affidavit and Service List
Exhibit 8	Public Notice
Exhibit 9	Affidavit of Notice to Abutting Landowners
Exhibit 10	Other Relevant Information

Site Plans

Issued for: **Preliminary Siting Council Review**

Date Issued: December 28, 2009

Latest Issue: December 28, 2009

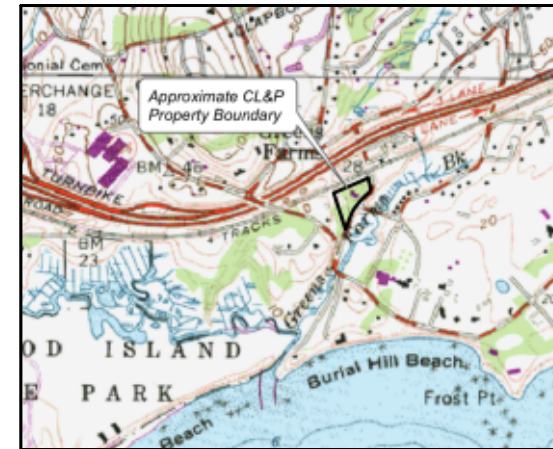
Index

No.	Drawing Title	Latest Issue
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C-2	Layout and Materials Plan	12/28/09
C-3	Site Development Plan	12/28/09
C-4	Erosion and Sediment Control Plan	12/28/09
C-5	Site Details	12/28/09
C-6	Site Details	12/28/09

Reference Drawings		
22632	Boundary and Topographic Survey	04/08
25805-92001	General Arrangement, Plan & Section Views	04/15/09
	Concept Planting Plan	12/17/09

Sherwood Substation

6 New Creek Road
Westport, Connecticut



Site Location Map ↑
0 1000 2000 Feet

Property Information

Owner:
The Connecticut Light and Power Company
P.O. Box 270
Hartford, Connecticut 06141-0270
(860) 605-5000

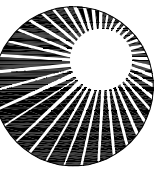
Applicant:
The Connecticut Light and Power Company
P.O. Box 270
Hartford, Connecticut 06141-0270
(860) 605-5000

Assessor's Plat- Map: G06
Lot: 005



Vanasse Hangen Brustlin, Inc.
Transportation
Land Development
Environmental Services





Connecticut Light & Power

The Northeast Utilities System

VHB Vanasse Hangen Brustlin, Inc.
 Transportation • Land Development • Environmental Services
 54 Tuttle Place, Middletown, Connecticut 06457-1047
 Tel: 860 632-1500 • Fax: 860 632-7879

PLANS AND SPECIFICATIONS ARE SUBJECT TO REVISIONS PENDING FINAL SITING COUNCIL APPROVAL



Northeast Utilities Service Co.

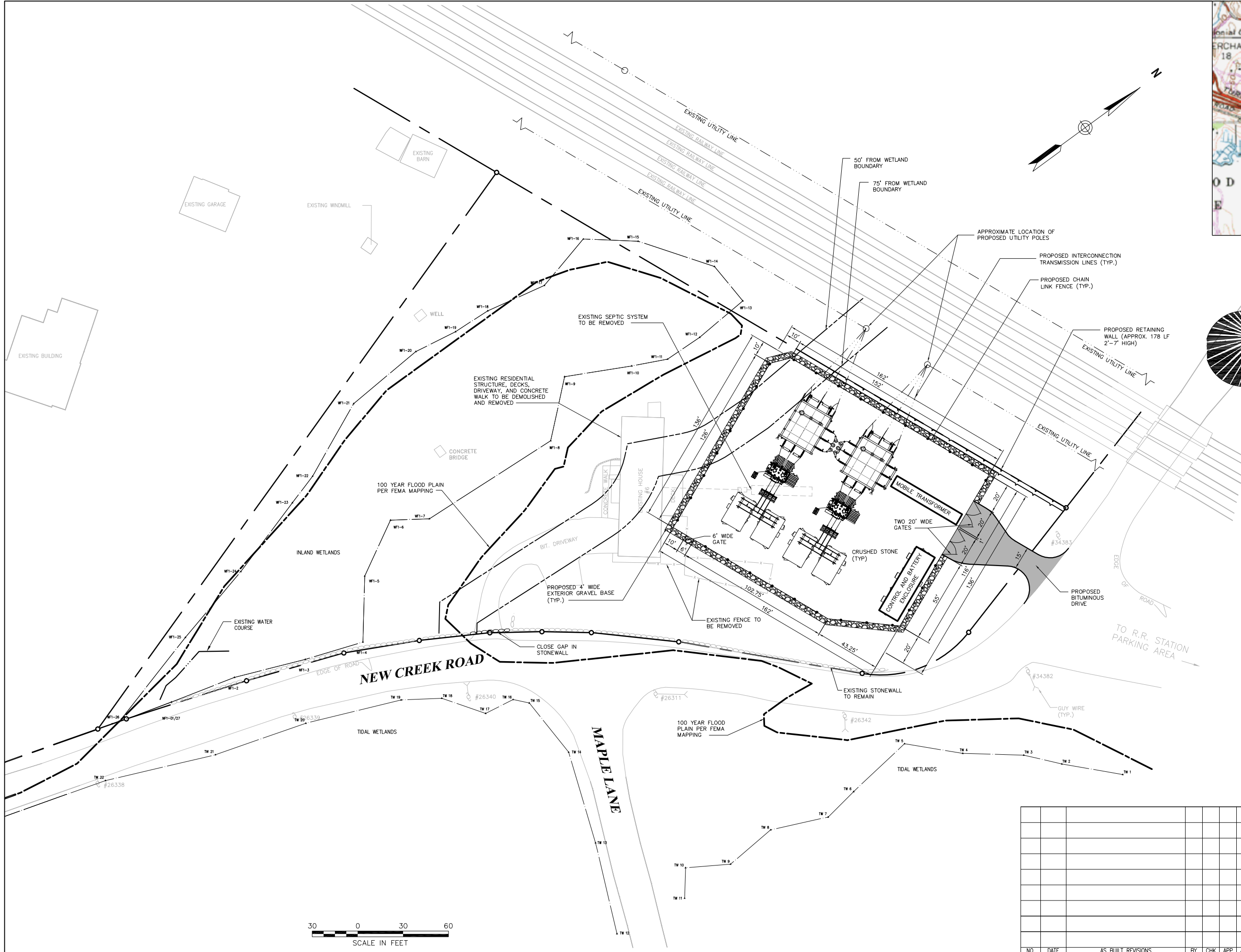
FOR CONNECTICUT LIGHT & POWER COMPANY

TITLE SHERWOOD SUBSTATION PROPOSED LAYOUT OVERALL SITE PLAN WESTPORT, CONNECTICUT

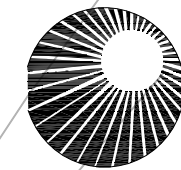
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V-SCALE	V.S.	R.E.DWG.				

NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP	APP

R.E. PROJ. NUMBER: 41448 NUSCO C-1



LOCUS MAP
 1000 0 1000 2000
 SCALE IN FEET



Connecticut Light & Power

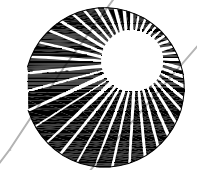
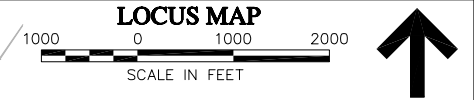
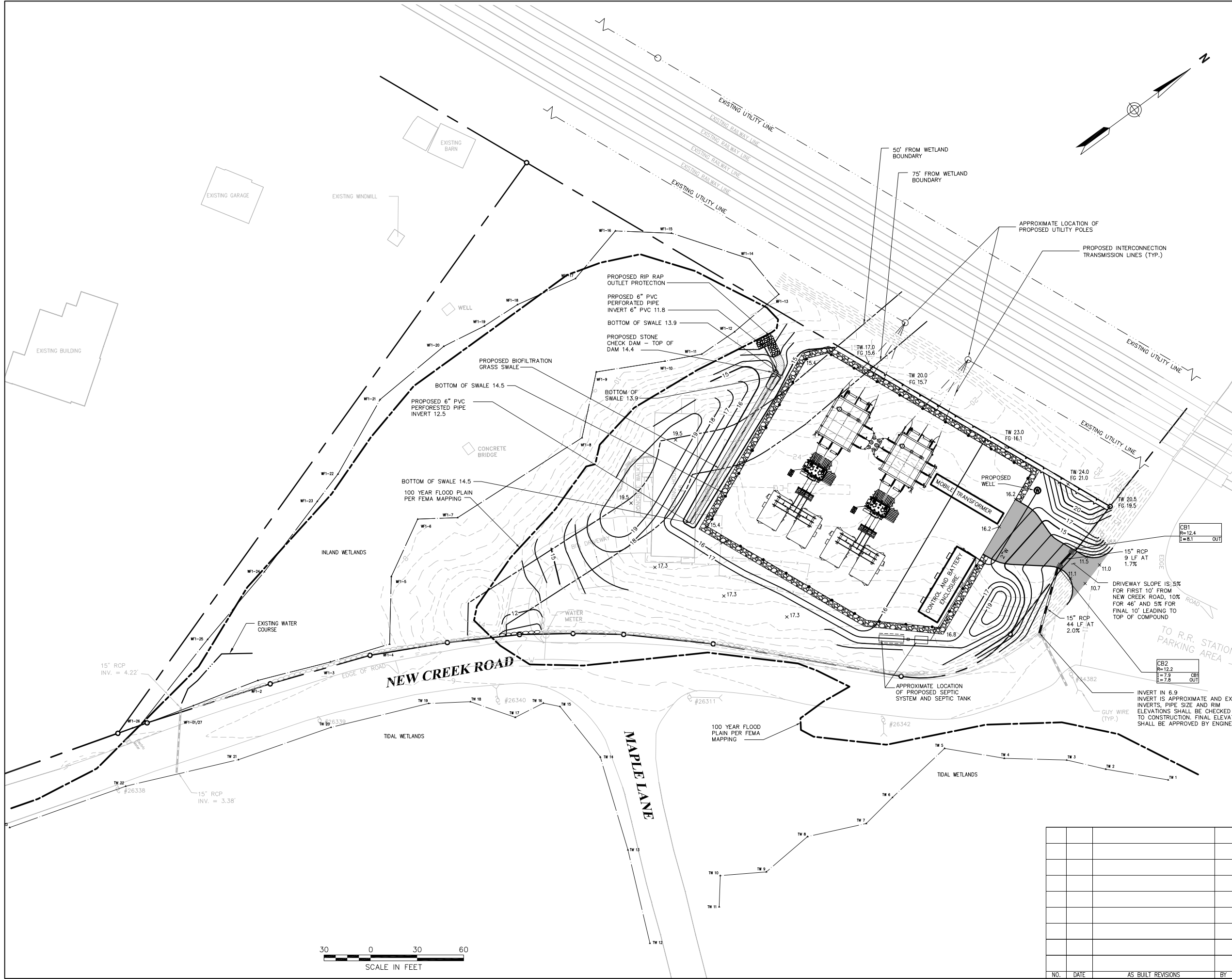
The Northeast Utilities System

VHB Vanasse Hangen Brustlin, Inc.
 Transportation • Land Development • Environmental Services
 54 Tullio Place, Middletown, Connecticut 06457-1047
 Tel: 860 632-1500 • Fax: 860 632-7679

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30 0 30 60
 SCALE IN FEET

Northeast Utilities Service Co. FOR CONNECTICUT LIGHT & POWER COMPANY					
TITLE SHERWOOD SUBSTATION PROPOSED LAYOUT LAYOUT AND MATERIALS PLAN WESTPORT, CONNECTICUT					
BY	SDK	CHKD	PV	APP	MPL
DATE	DEC. 28, 2009	DATE	DEC. 28, 2009	DATE	DEC. 28, 2009
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V-SCALE	V.S.	R.E.DWG.			
NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP
R.E. PROJ. NUMBER: 41448			NUSCO C-2		



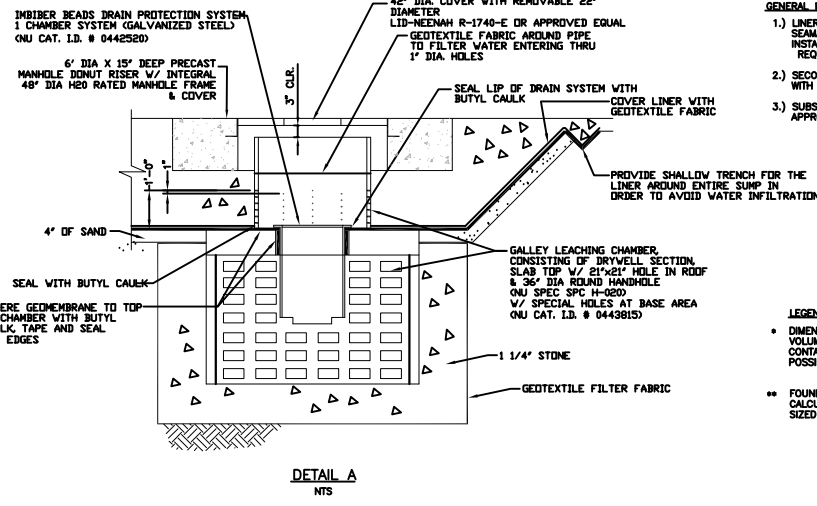
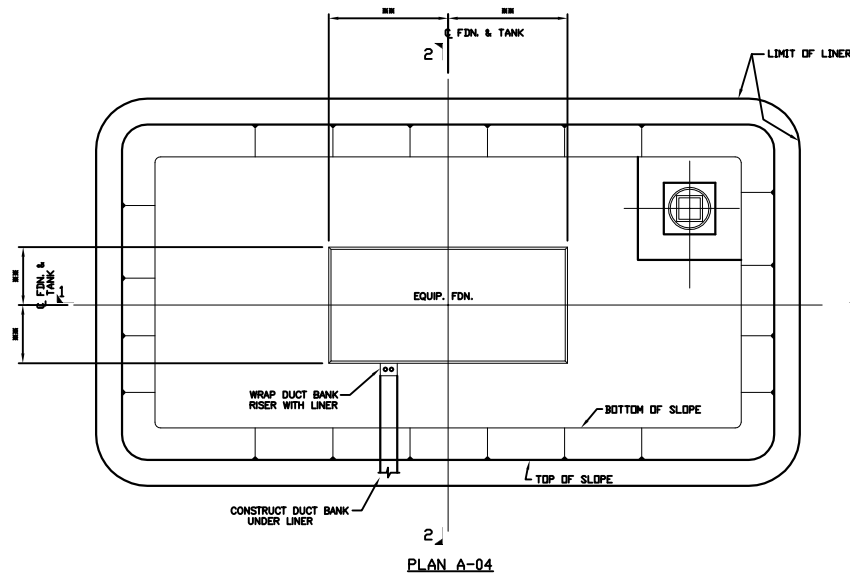
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Tel: 860 632-1500 • Fax: 860 632-7679

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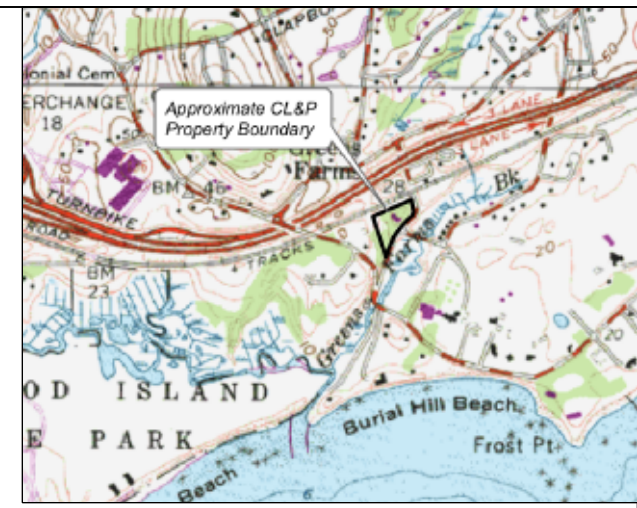
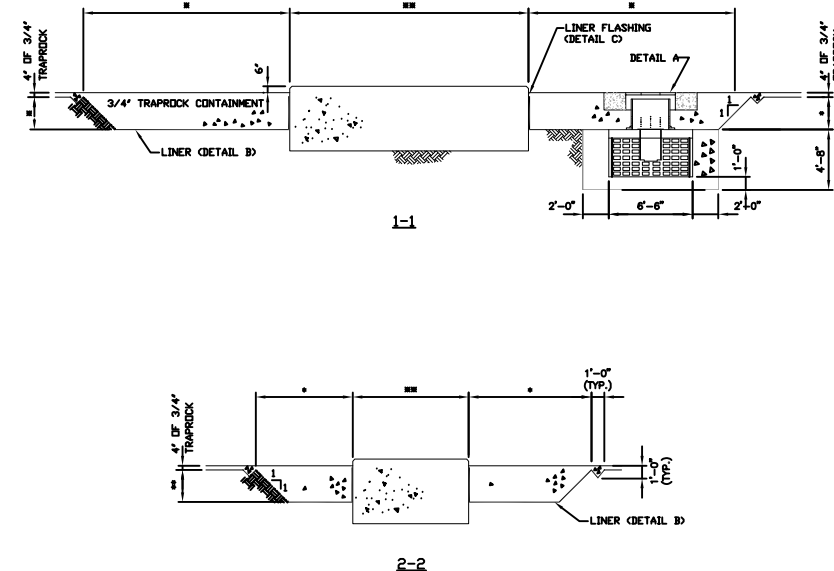
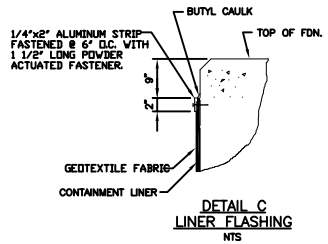
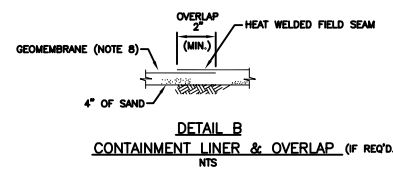


Northeast Utilities Service Co. FOR CONNECTICUT LIGHT & POWER COMPANY						
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R.E. PROJ. NUMBER: 41448				NUSCO		C-3

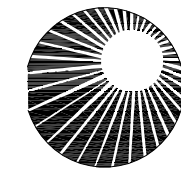


- GENERAL NOTES**
- 1) LINER MATERIAL TO BE PETROGARD VI BY MPC OR SEAMAN 8130 XR-5, OR ENGINEERING APPROVED EQUIVALENT. INSTALL IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
 - 2) SECONDARY CONTAINMENT DESIGN SHALL BE IN ACCORDANCE WITH NJ SUBSTATION STD. SUB-047.
 - 3) SUBSTITUTIONS OR MODIFICATION OF THIS DESIGN MUST BE APPROVED BY NJ CIVIL ENGINEERING PRIOR TO DESIGN.

- LEGEND**
- DIMENSIONS DETERMINED BY REQUIRED CONTAINMENT VOLUME AND SITE CONGESTION. TRANSFORMER CONTAINMENT VOLUME IS TO BE SIZED FOR LARGEST POSSIBLE TRANSFORMER.
 - FOUNDATION DIMENSION DETERMINED BY SITE SPECIFIC CALCULATION. TRANSFORMER FOUNDATIONS ARE TO BE SIZED FOR THE LARGEST POSSIBLE TRANSFORMER.



LOCUS MAP
 1000 0 1000 2000
 SCALE IN FEET



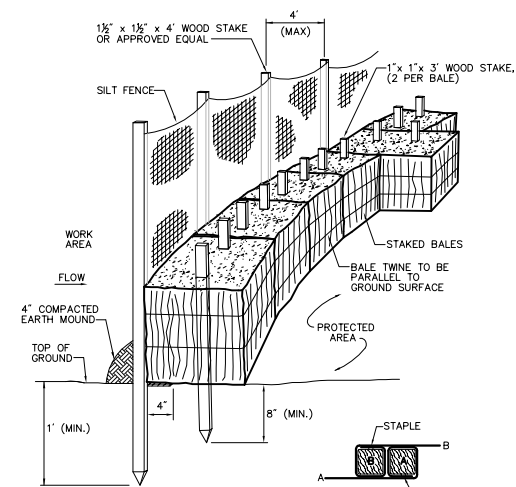
Connecticut Light & Power

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Typical Transformer Foundation and Secondary Containment
 N.T.S. Source: NU

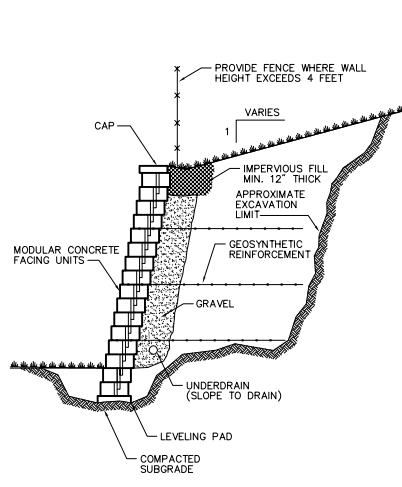
PLANS AND SPECIFICATIONS ARE SUBJECT TO REVISIONS PENDING FINAL SITING COUNCIL APPROVAL

Northeast Utilities Service Co. FOR CONNECTICUT LIGHT & POWER COMPANY						
						TITLE SHERWOOD SUBSTATION PROPOSED LAYOUT SITE DETAILS WESTPORT, CONNECTICUT
BY	SDK	CHKD	PV	APP	MPL	APP
DATE	DEC. 28, 2009	DATE	DEC. 28, 2009	DATE	DEC. 28, 2009	DATE
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V-SCALE		V.S.		R.E.DWG.		
NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP	R.E. PROJ. NUMBER: 41448
						NUSCO C-5



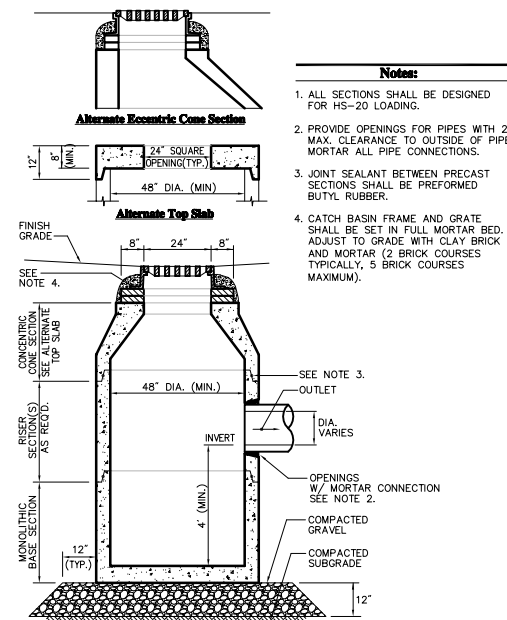
Notes
 PLACE ONE HAY BALE PERPENDICULAR ALONG HAY BALE BARRIER (100' O.C.).

Silt Fence / Hay Bale Barrier 6/03
 N.T.S. Source: VHB LD_855

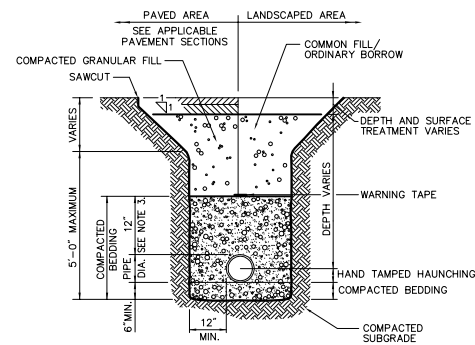


Notes
 DETAIL PROVIDED FOR GENERAL INFORMATION ONLY. STAMPED FINAL DESIGN OF MODULAR WALL SYSTEM TO BE PROVIDED BY WALL MANUFACTURER BASED ON GEOTECHNICAL ENGINEERS RECOMMENDATIONS.

Modular Retaining Wall 6/08
 N.T.S. Source: VHB LD_750

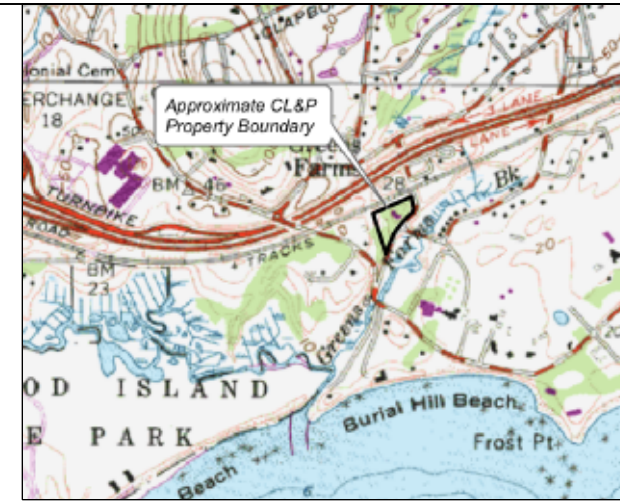


Catch Basin (CB) 6/08
 N.T.S. Source: VHB LD_100

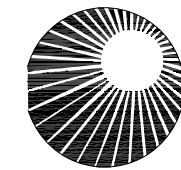


Notes
 1. WHERE UTILITY TRENCHES ARE CONSTRUCTED THROUGH DETENTION BASIN BERMS OR OTHER SUCH SPECIAL SECTIONS, PLACE TRENCH BACKFILL WITH MATERIALS SIMILAR TO THE SPECIAL SECTION REQUIREMENTS.
 2. USE METALLIC TRACING/WARNING TAPE OVER ALL PIPES.
 3. FOR HDPE PIPE, DIMENSION IS 24 INCHES.

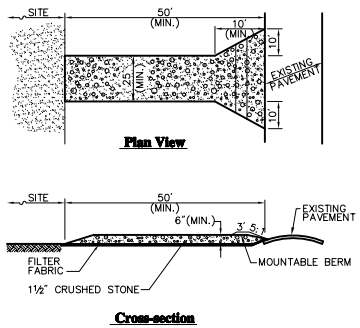
Utility Trench 6/08
 N.T.S. Source: VHB LD_300



LOCUS MAP
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 SCALE IN FEET

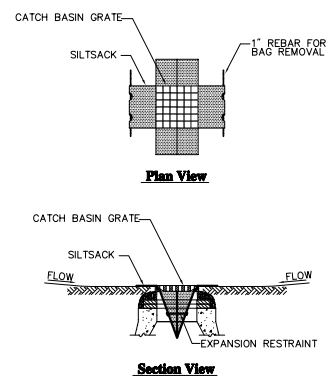


Connecticut Light & Power
 The Northeast Utilities System



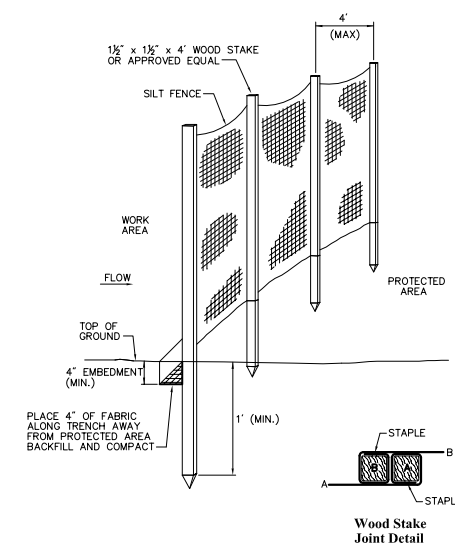
Notes
 1. ENTRANCE WIDTH SHALL BE A TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT FILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.
 3. STABILIZED CONSTRUCTION EXIT SHALL BE REMOVED PRIOR TO FINAL FINISH MATERIALS BEING INSTALLED.

Stabilized Construction Exit 6/03
 N.T.S. Source: VHB LD_882

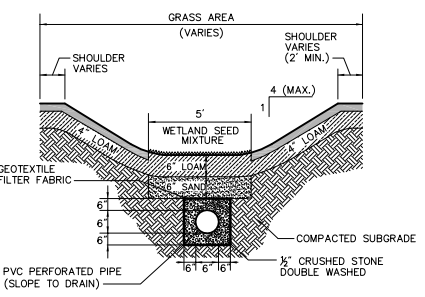


Notes
 1. INSTALL SILTSACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND HAY BALES HAVE BEEN REMOVED.
 2. GRATE TO BE PLACED OVER SILTSACK.
 3. SILTSACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED

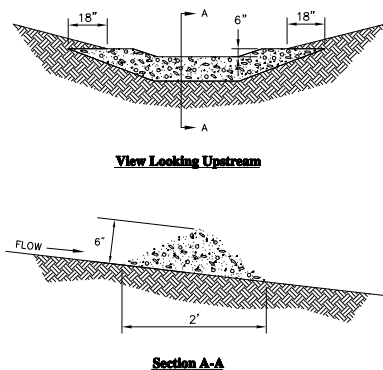
Silt Sack Sediment Trap 6/08
 N.T.S. Source: VHB LD_874



Silt Fence Barrier 6/03
 N.T.S. Source: VHB LD_650

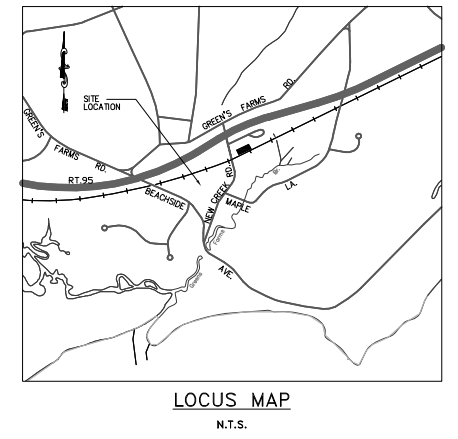
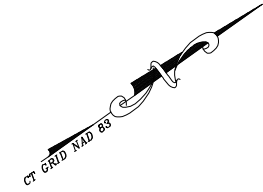


Biofiltration Grass Swale 6/08
 N.T.S. Source: VHB LD_174



Stone Check Dam 12/09
 N.T.S. Source: VHB

Northeast Utilities Service Co. FOR CONNECTICUT LIGHT & POWER COMPANY						
						TITLE SHERWOOD SUBSTATION PROPOSED LAYOUT SITE DETAILS WESTPORT, CONNECTICUT
BY	SDK	CHKD	PV	APP	MPL	APP
DATE	DEC. 28, 2009	DATE	DEC. 28, 2009	DATE	DEC. 28, 2009	DATE
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NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP	R.E. PROJ. NUMBER: 41448
						NUSCO C-6



N/F
NEW YORK, NEW HAVEN, &
HARTFORD RAILROAD COMPANY

N/F
MICHAEL JOHNSON

PARCEL AREA:
112031 SQ.FT.
2.57 ACRES

FLOOD ZONE "A6"
SEE NOTE 6

EXISTING 50'
WETLANDS SETBACK

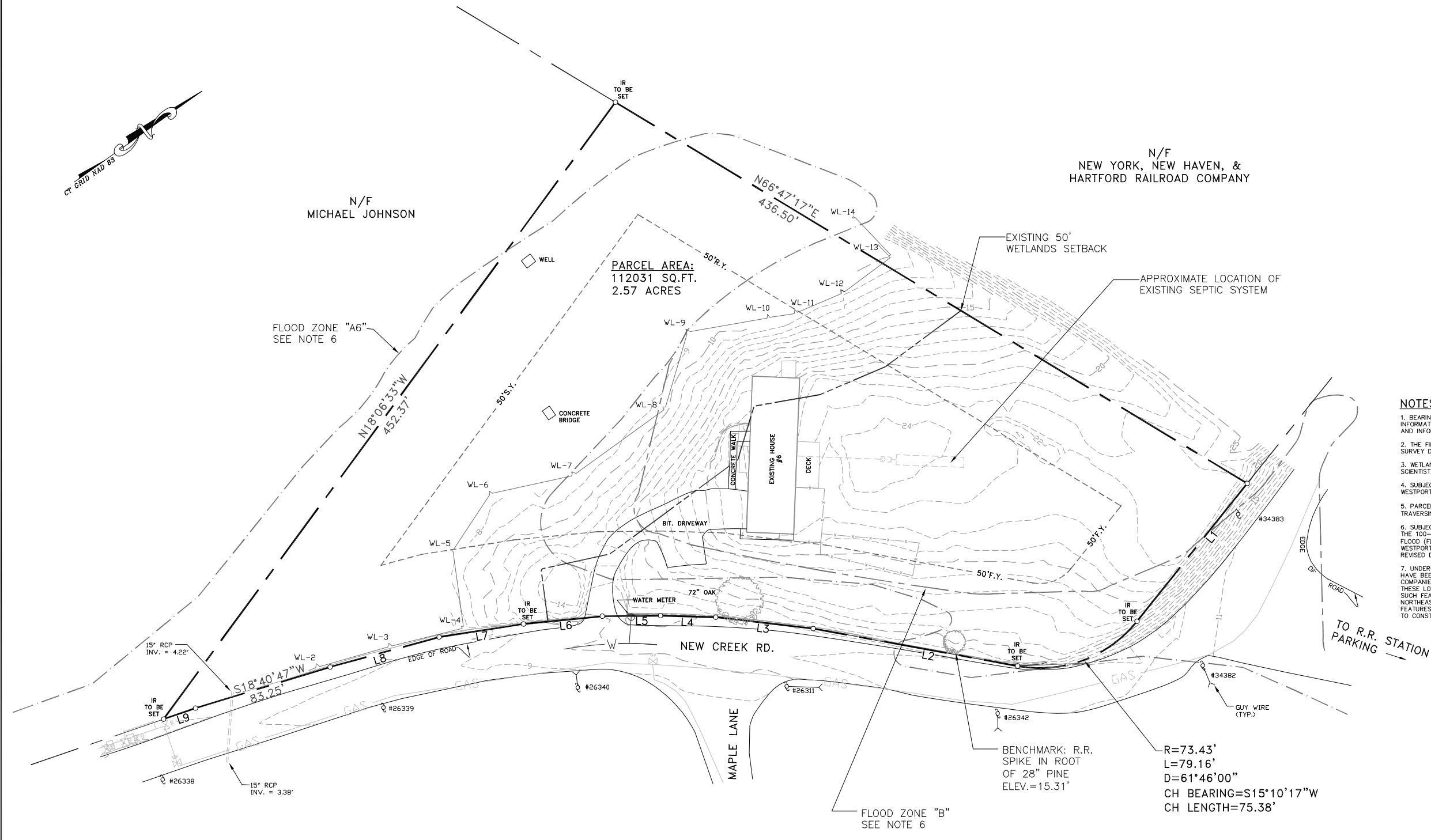
APPROXIMATE LOCATION OF
EXISTING SEPTIC SYSTEM

NOTES:

1. BEARINGS AND ELEVATIONS SHOWN ARE NAD 83 AND NAVD 88 RESPECTIVELY, COORDINATE INFORMATION DERIVED FROM GPS DATA COLLECTED BY NORTHEAST UTILITY SURVEY DEPARTMENT AND INFORMATION PROVIDED BY THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION.
2. THE FIELD SURVEY SHOWN WAS PERFORMED ON THE GROUND BY NORTHEAST UTILITIES SURVEY DEPARTMENT IN APRIL 2008.
3. WETLAND FLAGS SHOWN WERE FIELD DELINEATED BY COLLIN DUNCAN, CERTIFIED SOIL SCIENTIST, IN APRIL 2008.
4. SUBJECT PARCEL SHOWN IS LOCATED IN "ZONE AAA" AS SHOWN ON THE TOWN OF WESTPORT ZONING MAP, TAX MAP G6, LOT 5.
5. PARCEL SHOWN SUBJECT TO POSSIBLE "RIGHTS OF OTHERS IN AND TO THE STREAM TRAVERSING THE PREMISES".
6. SUBJECT PARCEL SHOWN IS LOCATED PARTLY IN FLOOD ZONE "B" AREAS BETWEEN LIMITS OF THE 100-YEAR AND 500-YEAR FLOOD AND PARTLY IN FLOOD ZONE "A6" AREAS OF 100-YEAR FLOOD (FLOOD ELEVATION 11), AS SHOWN ON FLOOD INSURANCE RATE MAP "FIRM" TOWN OF WESTPORT, CONNECTICUT, FAIRFIELD COUNTY, COMMUNITY PANEL NUMBER 090019 00028, REVISED DATE: DECEMBER 4, 1984.
7. UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES, FROM PAROL TESTIMONY AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO NORTHEAST UTILITIES SURVEY DEPARTMENT. THE SIZE LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATED AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG: 1.800.922.4455.

MAP REFERENCES:

1. SURVEY PREPARED FOR THOMAS F. HUGHES ET ALS, WESTPORT, CONN. SCALE: 1" = 60', DATE: DEC. 30, 1965. BY CHARLES S. LYMAN.
2. SURVEY PREPARED FOR ALBERT V. T. DAY, WESTPORT, CONN. SCALE: 1" = 60', DATE: MARCH 1957.
3. PROPERTY OF NICHOLAS S. HILL JR. GREENS FARMS, WESTPORT CONN. SCALE: 1" = 40', DATE: JAN. 31, 1926. BY ALFRED H. TERRY.
4. SURVEY OF PREMISES LOCATED AT 1 BEACHSIDE AVENUE, WESTPORT, CT, SCALE: 1" = 50', DATE: DECEMBER 16, 2003 REVISED THROUGH MARCH 9, 2004. BY AIDAN C. MCCANN.
5. RIGHT OF WAY AND TRACK MAP THE NEW YORK NEW HAVEN AND HARTFORD R.R. CO. OPERATED BY THE NEW YORK NEW HAVEN AND HARTFORD R.R. CO. FROM WOODLAWN TO NEW HAVEN STATION 1815+20 TO STATION 1868+00, TOWN OF WESTPORT, STATE OF CONN. SCALE: 1" = 100', DATE: JUNE 30, 1915.

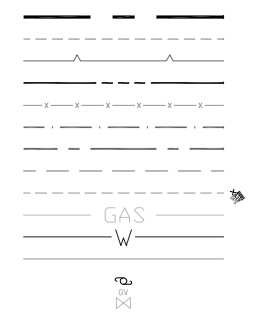


LINE TABLE

	BEARING	DISTANCE
L1	S15°-42'-43"E	104.47'
L2	S46°-03'-27"W	122.94'
L3	S42°-19'-47"W	58.03'
L4	S37°-18'-07"W	32.66'
L5	S35°-08'-47"W	34.43'
L6	S30°-01'-57"W	46.85'
L7	S26°-53'-37"W	50.52'
L8	S20°-19'-17"W	66.86'
L9	S16°-40'-27"W	20.00'

LEGEND:

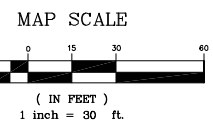
- PROPERTY LINE
- BUILDING LINE
- WETLANDS
- WETLANDS 50' SETBACK
- CHAINLINK FENCE
- ZONE A-6 FLOOD ZONE
- ZONE B FLOOD ZONE
- MAJOR CONTOUR
- MINOR CONTOUR
- GAS MAIN
- WATER MAIN
- STONE WALL
- UTILITY POLE
- GAS VALVE



THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES-MINIMUM STANDARD FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. IT IS A ZONING LOCATION SURVEY, BOUNDARY DETERMINATION CATEGORY DEPENDANT RESURVEY, CONFORMING TO HORIZONTAL ACCURACY CLASS A-2 AND A TOPOGRAPHIC SURVEY CONFORMING TO TOPOGRAPHIC ACCURACY CLASS T-2. THE PURPOSE OF THIS SURVEY AND MAP IS TO ENABLE DETERMINATION OF COMPLIANCE OR NON-COMPLIANCE WITH APPLICABLE MUNICIPAL OR STATUTORY REQUIREMENTS.

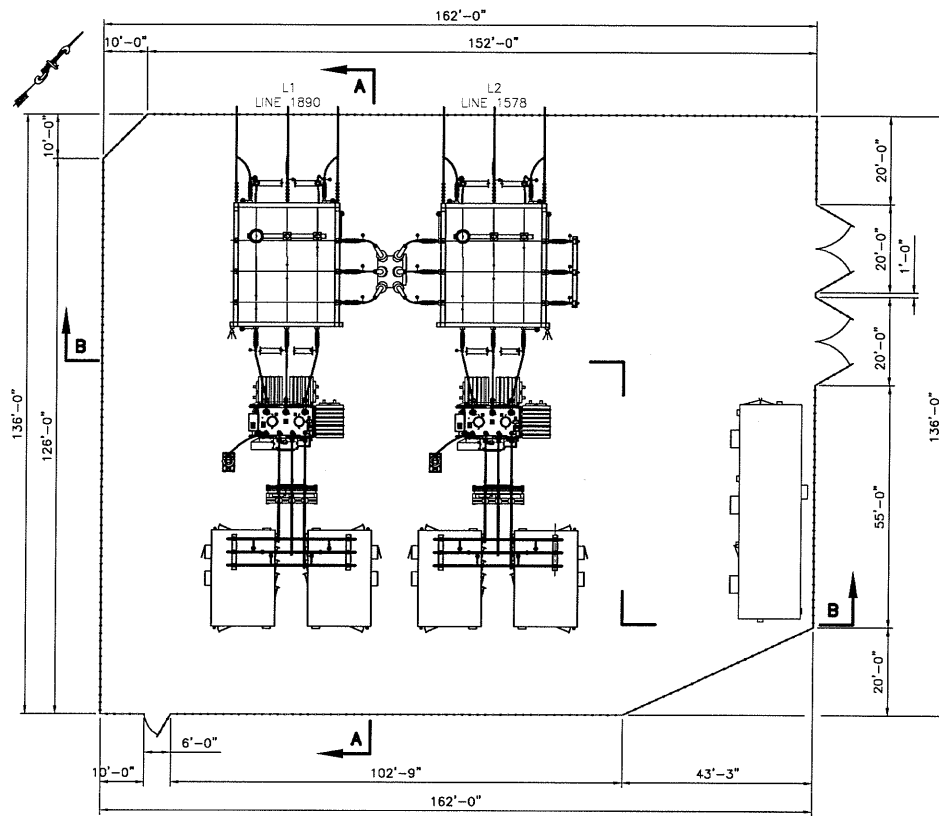
TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

SHAWN A. SOUTHWORTH, LS #70288
ANY ORIGINAL OR DUPLICATE OF THIS MAP IS NOT VALID UNLESS IT BEARS THE EMBOSSED SEAL OF THE SURVEYOR WHOSE REGISTRATION NUMBER APPEARS ABOVE. NO OTHER CERTIFICATION OR WARRANTY IS EXPRESSED OR IMPLIED.

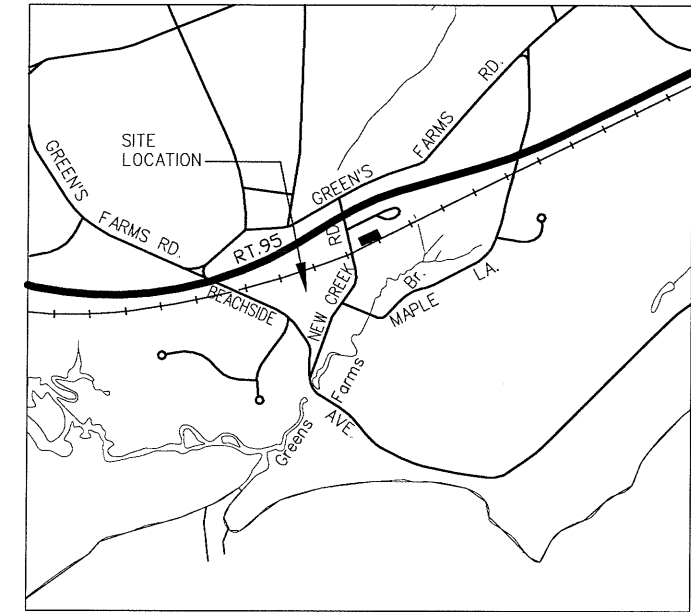
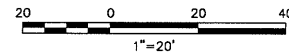


		Northeast Utilities Service Co. FOR THE CONNECTICUT LIGHT & POWER COMPANY			
		TITLE SHERWOOD 18P SUBSTATION BOUNDARY & TOPOGRAPHIC SURVEY 6 NEW CREEK RD, WESTPORT, CONNECTICUT			
BY	HMZ	CHKD	SAS	APP	APP
DATE	4/08	DATE	4/08	DATE	DATE
H-SCALE	1" = 30'	SIZE	ARCH D	FIELD BOOK & PAGES	
V-SCALE	V.S.	R.E.DWG.		22632	
R.E. PROJ. NUMBER	158-03.169		NUSCO		

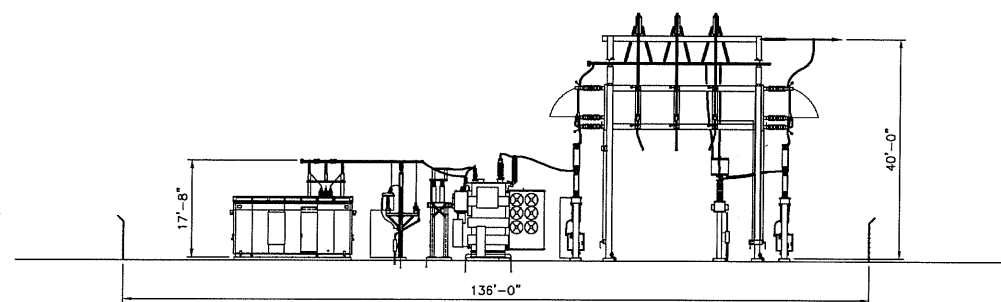
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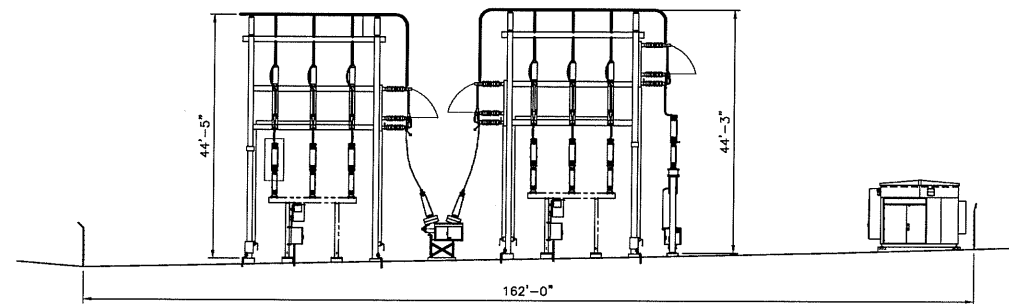
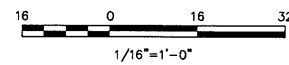
PLAN VIEW



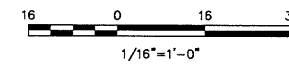
LOCATION PLAN
NOT TO SCALE




SECTION A-A

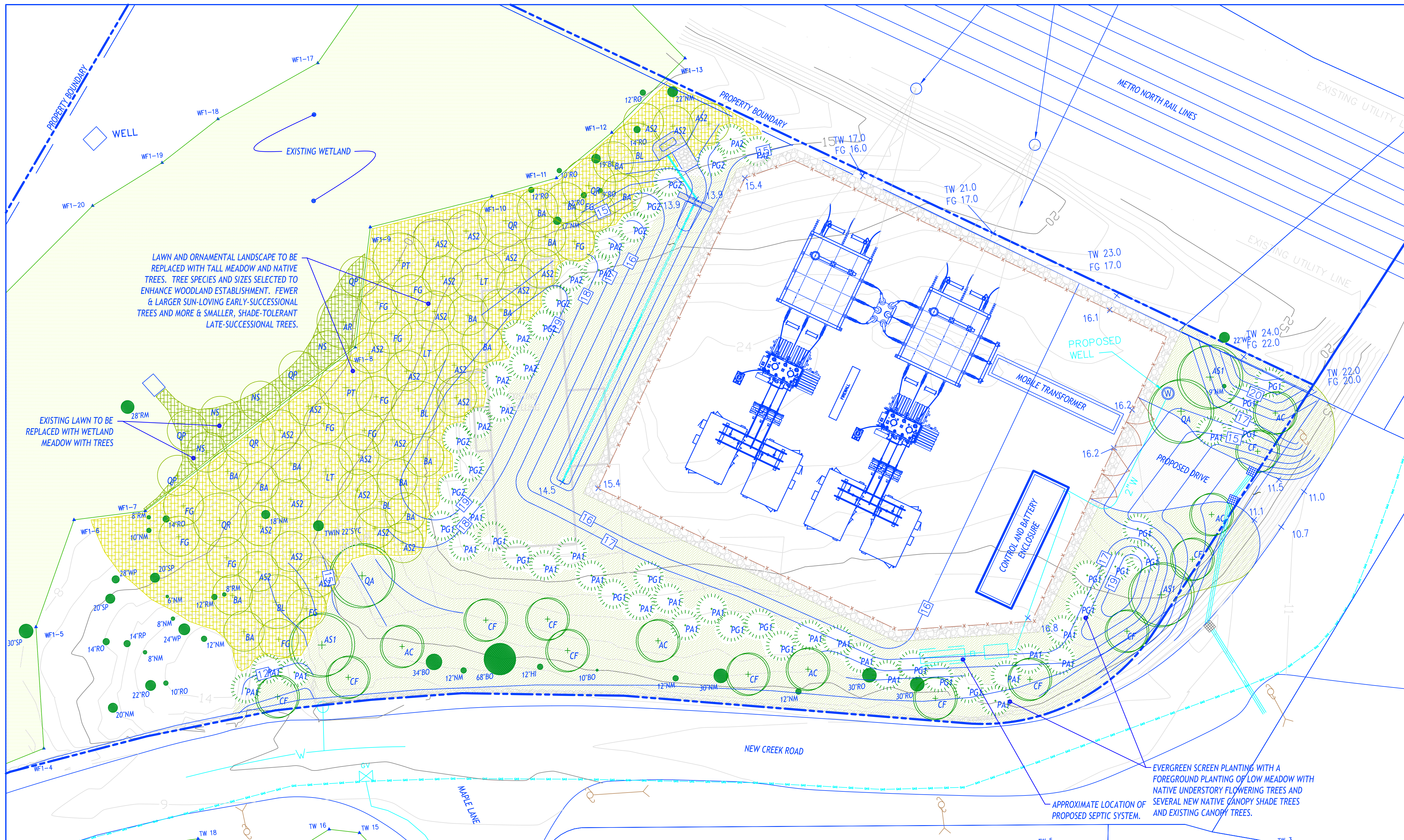


SECTION B-B



12/18/2009 3:29pm - zkravak - C:\CAL\WORK\25805-92001.dwg

		Northeast Utilities Service Co. FOR CONNECTICUT LIGHT & POWER COMPANY					
		TITLE SHERWOOD SUBSTATION GENERAL ARRANGEMENT, PLAN & SECTION VIEWS - CSC PLAN & SECTIONS WESTPORT, CONNECTICUT					
BY	ZKH (CA)	CHKD	DMS (CA)	APP	CMA (CA)	APP	CM
DATE	04/08/09	DATE	04/09/09	DATE	04/13/09	DATE	04/15/09
H-SCALE	AS NOTED	SIZE	ARCH D	FIELD BOOK & PAGES			
V-SCALE	AS NOTED	V.S.	R.E.DWG.				
R.E. PROJ. NUMBER	NUSCO					25805-92001	



- LEGEND**
- 90 — EXISTING 5' CONTOUR
 - 10 — EXISTING 1' CONTOUR
 - 10.3 — EXISTING SPOT GRADE
 - 15.4 — PROPOSED CONTOUR
 - 16.0 — PROPOSED SPOT GRADE
 - — PROPERTY BOUNDARY
 - — EXISTING WETLAND
 - 6' BIRCH EXISTING TREE TO REMAIN TO THE EXTENT POSSIBLE
 - — PROPOSED FREE STANDING STONEWALL
 - — PROPOSED RETAINING WALL
 - — PROPOSED SUBSURFACE UTILITY LINE OR STRUCTURE
 - — PROPOSED SHORT MEADOW
 - — PROPOSED TALL MEADOW
 - — PROPOSED WETLAND MEADOW
 - ⊕ PROPOSED NATIVE FLOWERING TREE
 - ⊕ PROPOSED NATIVE CANOPY TREE
 - ⊕ PROPOSED EVERGREEN TREE
 - ⊕ PROPOSED NATIVE EARLY SUCCESSIONAL CANOPY TREE
 - ⊕ PROPOSED NATIVE LATE SUCCESSIONAL CANOPY TREE

GENERAL NOTES

1. PROPOSED PLANTING INFORMATION PROVIDED BY WILLIAM KENNY ASSOCIATES LLC., EXISTING AND OTHER PROPOSED INFORMATION TAKEN FROM A PLAN PREPARED BY VANASSE HANGEN BRUSTLIN, INC.
2. ALL TREE LOCATIONS SHOWN ARE APPROXIMATE.

PLANT LIST

SYM.	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	ROOT	GROWTH RATE	MATURE HEIGHT
TREES							
AC	5	AMELANCHIER CANADENSIS	MULTI-STEM SERVICEBERRY	8'-10' HT.	CONT.	MED.	35'-50'
AR	1	ACER RUBRUM	RED MAPLE	6'-8' HT.	B&B	MED.-FAST	75'-100'
AS1	3	ACER SACCHARUM	SLGAR MAPLE	2.5'-3' CAL.	B&B	SLOW	75'-100'
AS2	26	ACER SACCHARUM	SLGAR MAPLE	6'-8' HT.	CONT.	SLOW	75'-100'
BA	16	BETULA ALLEGHANIENSIS	YELLOW BIRCH	6'-8' HT.	CONT.	SLOW-MED.	50'-75'
BL	4	BETULA LENTA	BLACK BIRCH	6'-8' HT.	B&B	MED.	50'-75'
CF	11	CORNUS FLORIDA	FLOWERING DOGWOOD	8'-10' HT.	CONT.	MED.	35'-50'
FG	13	FAGUS GRANDIFOLIA	AMERICAN BEECH	6'-8' HT.	CONT.	SLOW	75'-100'
LT	3	LIRIODENDRON TULIPIFERA	TULIP TREE	6'-8' HT.	B&B	MED.-FAST	75'-100'
NS	4	NYSSA SYLVATICA	BLACK TUPELO	6'-8' HT.	CONT.	SLOW	50'-75'
PA1	19	PICEA ABIES	NORWAY SPRUCE	12'-14' HT.	B&B	MED.-FAST	50'-75'
PA2	10	PICEA ABIES	NORWAY SPRUCE	5'-6' HT.	B&B	MED.-FAST	50'-75'
PG1	19	PICEA GLAUCA	WHITE SPRUCE	12'-14' HT.	B&B	SLOW-MED.	50'-75'
PG2	9	PICEA GLAUCA	WHITE SPRUCE	5'-6' HT.	B&B	SLOW-MED.	50'-75'
PT	2	POPULUS TREMULOIDES	QUAKING ASPEN	6'-8' HT.	B&B	FAST	35'-50'
QA	3	QUERCUS ALBA	WHITE OAK	2.5'-3' CAL.	B&B	SLOW	75'-100'
QP	4	QUERCUS PALUSTRIS	PIN OAK	6'-8' HT.	CONT.	MED.-FAST	50'-75'
QR	4	QUERCUS RUBRA	RED OAK	6'-8' HT.	CONT.	MED.	50'-75'
TOTAL:	156						

SEED MIXES

WETLAND MEADOW: NEW ENGLAND WETMIX AS PRODUCED NEW ENGLAND WETLAND PLANTS, INC (WWW.NEWP.COM). APPLIED AT A RATE OF 1 LB/2,500 SQUARE FEET.

TALL MEADOW: NEW ENGLAND CONSERVATION/WILDLIFE MIX AS PRODUCED NEW ENGLAND WETLAND PLANTS, INC (WWW.NEWP.COM). APPLIED AT A RATE OF 1 LB/1,750 SQUARE FEET.

SHORT MEADOW: "NO MOW MIX" AS PRODUCED BY PRAIRIE NURSERY (WWW.PRAIRIENURSERY.COM OR 1-800-476-9453) "NO MOW SEED MIX CONSISTS OF LOW MAINTENANCE, NO WATERING, NO FERTILIZING COOL SEASON GRASSES (PRIMARILY FESTUCA RUBRA AND FESTUCA OVINA).

CONCEPT PLANTING PLAN

OWNER:
**NORTHEAST UTILITIES SERVICE CO. for
 CONNECTICUT LIGHT AND POWER COMPANY**

LOCATION:
**SHERWOOD SUBSTATION
 WESTPORT, CONNECTICUT**

DATE: JUNE 8, 2009
 SEPTEMBER 21, 2009 (REV. 1)
 DECEMBER 17, 2009 - DRAFT

SCALE: 1" = 20'-0"





Connecticut
Light & Power

The Northeast Utilities System



The United Illuminating Company



The Northeast Utilities System

Connecticut's Energy Efficiency Programs are funded by a Charge on Customer energy bills.
The Programs are designed to help customers manage their energy usage and cost.

Connecticut Energy Efficiency Fund: *Investing in Our Future*

What is the Connecticut Energy Efficiency Fund?

Created to address Connecticut's increasing energy needs—and rising costs—the Connecticut Energy Efficiency Fund (CEEF) is an initiative to help homeowners and renters, small and large businesses, and state and local governments alike get in the habit of using energy more efficiently.

In the shared interest of implementing conservation measures that are energy-efficient, cost-effective, and easy to live with, the CEEF is the result of a partnership with the state's utility companies and is funded by a small charge on customers' bills.

The Mission of the Connecticut Energy Efficiency Fund:

- To advance the efficient use of energy.
- To reduce air pollution and negative environmental impacts.
- To promote economic development and energy security.

The benefits of CEEF programs far exceed their costs.

The least expensive kilowatt-hour is the one not used. The price of electricity conserved through CEEF programs is approximately 2 cents per kilowatt-hour (kWh) compared to the average price of 20 cents for electricity in Connecticut.

For every dollar invested in CEEF programs, Connecticut ratepayers will see more than four dollars in electric system benefits over the lifetime of the efficiency measures installed. For every dollar invested on gas efficiency, over two dollars in gas system benefits are realized.

- The energy-efficiency measures installed in 2008 through CEEF programs will result in a savings of about \$774 million over the life of the measures.

Efficient use of electricity slows down the need to build more power plants and results in fewer toxins emitted into our atmosphere.

In 2008 alone, 4.2 billion kWh in energy savings will be realized over the lifetime of the efficiency measures installed through CEEF programs, resulting in the reduction of 2.4 million tons of carbon dioxide emissions.

Load management

CEEF programs encourage customers to reduce their electricity usage during periods of peak demand. This helps to reduce stress to the electrical grid and contributes to our electric system's reliability. Additionally, customers will save money by reducing or deferring usage during times of peak demand when electric market prices are potentially the highest. These programs make additional electrical capacity available for use by homes and businesses in Connecticut plus they can lower the statewide cost of Federally Mandated Congestion Charges (FMCCs) included in customer's electric bills.

Connecticut's award-winning efficiency programs

Connecticut's energy efficiency and load-management programs are viewed by other states as models of best practices. Since its inception in 2000, the American Council for an Energy Efficient Economy (ACEEE) *State Energy Efficiency Scorecard* has ranked Connecticut's programs administered by CL&P and UI among the best in the nation. In fact, the most recent scorecard issued in 2009 ranked Connecticut as the third best state in the nation for energy-efficiency programs and policies. Other honors include awards from the Department of Energy, ENERGY STAR®, and the CQIA.

CEEF programs offer integrated solutions. By integrating natural gas savings initiatives into Connecticut's electric efficiency program portfolio, the CEEF provides utility customers seamless, one-stop shopping for all their energy efficiency service needs, enabling them to reduce their total energy bills. These award-winning programs are administered by The Connecticut Light and Power Company, The United Illuminating Company, Yankee Gas, Connecticut Natural Gas and Southern Connecticut Gas.

For commercial, industrial and municipal customers, CEEF has a variety of energy-saving programs. Most of these programs use financial incentive strategies to offset the premium cost of purchasing and installing energy-efficient equipment. Energy efficiency is a proven way to reduce the cost of doing business for all companies, large and small. Thousands of Connecticut businesses have reduced overhead and increased profits by installing energy efficiency and load management measures in their facilities.

- **Energy Conscious Blueprint:** (For electric or firm gas customers.) A program for new construction, planned remodeling, major renovations and new equipment. This program captures electric and natural gas savings when they are most cost effective – at the planning stage.

- **Energy Opportunities:** (For electric or firm gas customers.) This program helps businesses and municipalities maximize electric and natural gas savings including retrofits to lighting, motors and controls and HVAC equipment.
- **Operation and Maintenance Services:** (For electric or firm gas customers.) This program helps businesses identify and implement energy-saving maintenance procedures and enhancements.
- **Retro Commissioning:** (For electric or firm gas customers.) This program is designed to analyze a commercial or institutional building's operation and determine the existence and origin of electric and natural gas energy inefficiencies in the building's control system and operational processes.
- **PRIME:** (For electric customers only.) Process Re-engineering for Increased Manufacturing Efficiency (PRIME) is a program designed to introduce industrial electric customers to *Lean Manufacturing* techniques in order to reduce waste, improve productivity, minimize environmental impact and reduce electrical energy consumption.
- **Small Business Energy Advantage:** (For electric customers only.) This program includes a no-obligation energy evaluation of a business, as well as cash incentives and zero-percent financing for qualified customers to pay for upgrades in areas such as (but not limited to) lighting and refrigeration.
- **Load Response:** (For electric customers only.) Earn incentive dollars and help maintain the reliability of the electric power grid during peak use periods by rescheduling and/or curtailing load.
- **Express Rebates:** (For electric customers only.) CEEF rebates are available for three-phase motors, minor energy-efficient lighting retrofits, vending machines, and eligible cooling systems.

For Connecticut's residential customers there are also programs that can make homes more energy efficient. Residential energy consumers, especially low-income customers, benefit economically from CEEF programs. The energy-efficiency measures installed through CEEF programs lower energy use and reduce monthly energy bills, enabling Connecticut residents to put more of their hard-earned dollars toward other household necessities. There were approximately 467,000 instances of CEEF program participation, most of them residential customers, during 2008.

- **Home Energy Solutions (HES):** Residents can lower their energy bill with just one, in-home visit. A specialist will perform an energy assessment of the home, find and professionally seal critical leaks and drafts, replace incandescent bulbs with compact fluorescents lamps, provide and install water conservation devices and check insulation and appliances. Residents may also receive valuable rebate forms (including rebates for geothermal system performance and for the installation of high-efficiency central air conditioning and heat pump systems), and information on additional energy-saving measures. There is a low, \$75 charge for this program for customers who heat their homes with electricity or natural gas.



WETLANDS DELINEATION REPORT

Vanasse Hangen Brustlin, Inc.

Date: February 18, 2009
Project No.: 41448.00
Prepared For: The Connecticut Light and Power Company
Site Location: 6 New Creek Road
Westport, Connecticut
Site Map: Wetland Flag Survey Map, Dated February 9, 2009
Inspection Date: February 6, 2009
Field Conditions: Weather: partly sunny, 30's General Soil Moisture: moist
Snow Depth: 2 inches Frost Depth: 0-3 inches

Type of Wetlands Identified and Delineated:

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

Local Regulated Upland Review Areas: Wetlands: 75 feet Watercourses: 75 feet

Field Numbering Sequence of Wetlands Boundary: VHB WF 1-01/27 (closed loop)

[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 and reviewed by:



Matthew Davison
Registered Soil Scientist

Enclosures

Attachments



-
- Wetland Delineation Field Form
 - Soil Map
 - Soil Report
 - Wetland Flag Survey Map

Wetland Delineation Field Form

Project Address:	6 New Creek Road Westport, Connecticut	Project Number:	41448.00
Inspection Date:	February 6, 2009	Inspector:	Matthew Davison
Wetland I.D.:	Wetland 1		

Field Conditions:	Weather: partly sunny, 30s	Snow Depth: variable (0-2 inches)
	General Soil Moisture: moist	Frost Depth: variable (0-3 inches)
Type of Wetland Delineation:	Connecticut <input checked="" type="checkbox"/>	
	ACOE <input checked="" type="checkbox"/>	
	Tidal <input type="checkbox"/>	
Field Numbering Sequence: VHB WF 1-01 to 1-27 (closed loop)		

WETLAND HYDROLOGY:

NONTIDAL

Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input checked="" type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated – seepage <input type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: Portions of this system are seasonally flooded.		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Seasonally Flooded <input type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>	
Comments: N/A		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments:		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: This system is predominantly forested, with emergent vegetation present within seasonally ponded areas.		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input checked="" type="checkbox"/>	Tidal <input type="checkbox"/>
Comments: An intermittent watercourse feature flows through the wetland interior.		

SPECIAL AQUATIC HABITAT:

Vernal Pool <input type="checkbox"/>	Other <input type="checkbox"/>	
Comments: N/A		

Wetland Delineation Field Form (Cont.)

MAPPED SOILS:

SOIL SERIES (Map Unit Symbol)	WET	UP	NRCS MAPPED	FIELD IDD/ CONFIRMED
Raypol silt loam (12)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Walpole sandy loam (13)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Udorthents-Urban land complex (306)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

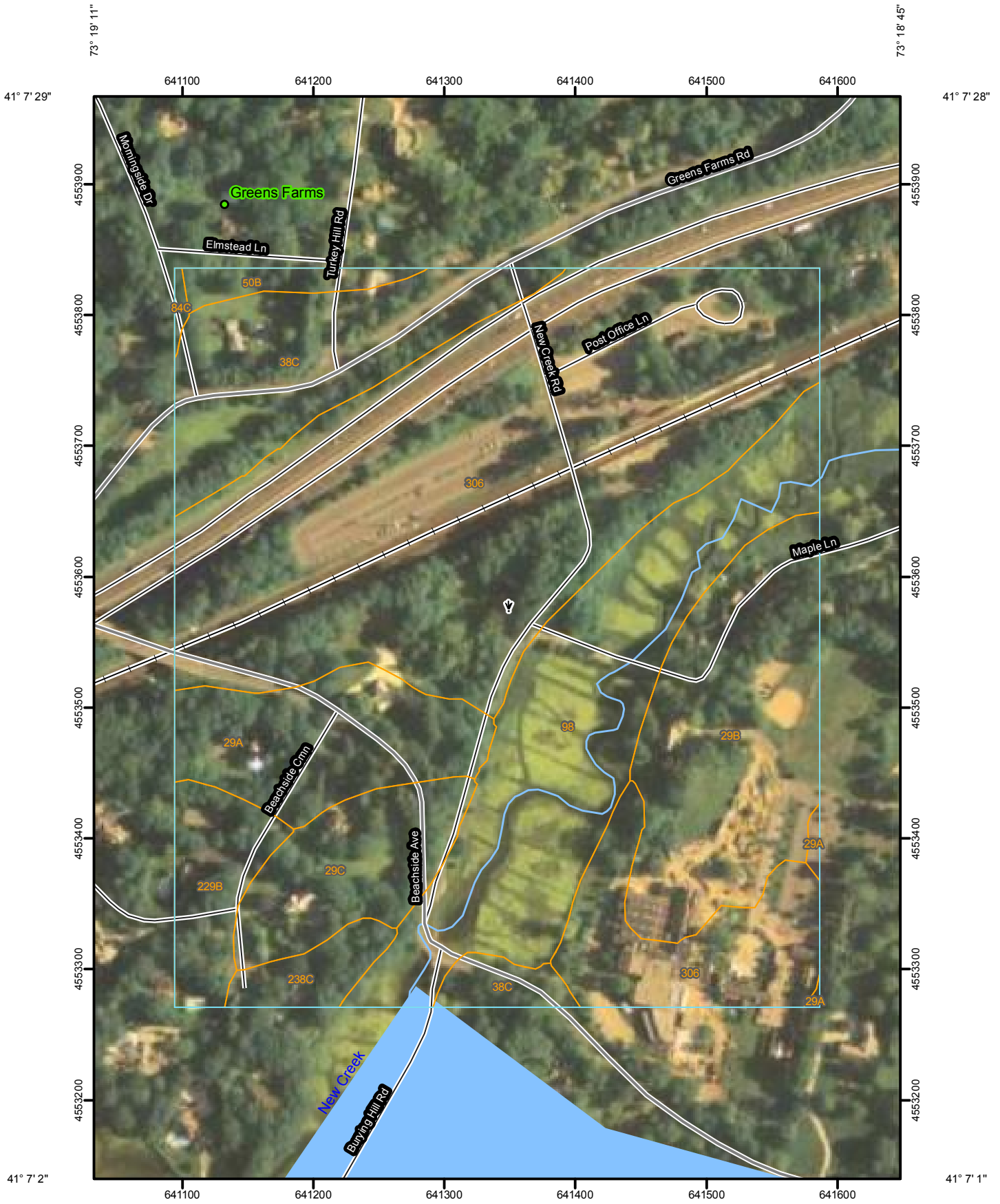
DOMINANT PLANTS:

red maple	tussock sedge
white ash	
cattail	
silky dogwood	
sensitive fern	

WETLAND NARRATIVE:

Wetland is a palustrine forested/emergent wetland system bordering a small intermittent watercourse feature which transects the Site from north to south. The watercourse feature is characterized by diffuse flows and generally lacks a well defined bank and channel. This system originates in the vicinity of the north Site boundary at the base of a large fill slope associated with the Metro North rail line; however, no outlet structure was evident. The hydrology for this system likely originates from surface flows and groundwater interception. A 15 inch reinforced concrete pipe (RCP) located on the southern Site boundary outlets flows from this freshwater system beneath New Creek Road to a tidal salt marsh associated with Green Farms Brook to the south.

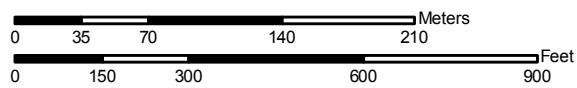
Soil Map—State of Connecticut
(6 New Creek Road, Westport, Connecticut)



73° 19' 12"




Map Scale: 1:3,950 if printed on A size (8.5" x 11") sheet.



73° 18' 46"

MAP LEGEND






















Area of Interest (AOI)


 Area of Interest (AOI)

Soils

 Soil Map Units

Special Point Features




-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot
-  Spoil Area
-  Stony Spot

 Very Stony Spot

 Wet Spot

 Other



Special Line Features

-  Gully
-  Short Steep Slope
-  Other






Political Features

 Cities

Water Features

-  Oceans
-  Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

MAP INFORMATION

Map Scale: 1:3,950 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:12,000.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
 Coordinate System: UTM Zone 18N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: State of Connecticut
 Survey Area Data: Version 6, Mar 22, 2007

Date(s) aerial images were photographed: 8/5/2006

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

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
29A	Agawam fine sandy loam, 0 to 3 percent slopes	5.0	7.3%
29B	Agawam fine sandy loam, 3 to 8 percent slopes	8.5	12.4%
29C	Agawam fine sandy loam, 8 to 15 percent slopes	3.8	5.5%
38C	Hinckley gravelly sandy loam, 3 to 15 percent slopes	6.8	9.9%
50B	Sutton fine sandy loam, 3 to 8 percent slopes	0.8	1.2%
84C	Paxton and Montauk fine sandy loams, 8 to 15 percent slopes	0.1	0.2%
98	Westbrook mucky peat	11.3	16.4%
229B	Agawam-Urban land complex, 0 to 8 percent slopes	2.4	3.4%
238C	Hinckley-Urban land complex, 3 to 15 percent slopes	1.2	1.7%
306	Udorthents-Urban land complex	28.8	41.9%
Totals for Area of Interest		68.7	100.0%

Map Unit Description (Brief)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the selected area. The map unit descriptions in this report, along with the maps, can be used to determine the composition and properties of a unit. A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The "Map Unit Description (Brief)" report gives a brief, general description of the major soils that occur in a map unit. Descriptions of nonsoil (miscellaneous areas) and minor map unit components may or may not be included. This description is written by the local soil scientists responsible for the respective soil survey area data. A more detailed description can be generated by the "Map Unit Description" report.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief)

State of Connecticut

Description Category: SOI

Map Unit: 29A—Agawam fine sandy loam, 0 to 3 percent slopes

Agawam Fine Sandy Loam, 0 To 3 Percent Slopes This map unit is in the Connecticut Valley New England and Eastern New York Upland, Southern Part 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 50 degrees F. (7 to 10 degrees C.) This map unit is 80 percent Agawam soils. 20 percent minor components. Agawam soils This component occurs on valley and outwash plain terrace landforms. The parent material consists of eolian deposits over glaciofluvial deposits derived from schist, granite, and gneiss. The slope ranges from 0 to 3 percent and the runoff class is negligible. 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 4.8 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 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 1 Typical Profile: 0 to 8 inches; fine sandy loam 8 to 14 inches; fine sandy loam 14 to 24 inches; fine sandy loam 24 to 60 inches; stratified very gravelly coarse sand to fine sand

Map Unit: 29B—Agawam fine sandy loam, 3 to 8 percent slopes

Agawam Fine Sandy Loam, 3 To 8 Percent Slopes This map unit is in the Connecticut Valley New England and Eastern New York Upland, Southern Part 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 50 degrees F. (7 to 10 degrees C.) This map unit is 80 percent Agawam soils. 20 percent minor components. Agawam soils This component occurs on valley and outwash plain terrace landforms. The parent material consists of eolian deposits over glaciofluvial deposits 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 4.8 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 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 8 inches; fine sandy loam 8 to 14 inches; fine sandy loam 14 to 24 inches; fine sandy loam 24 to 60 inches; stratified very gravelly coarse sand to fine sand

Map Unit: 29C—Agawam fine sandy loam, 8 to 15 percent slopes

Agawam Fine Sandy Loam, 8 To 15 Percent Slopes 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 50 degrees F. (7 to 10 degrees C.) This map unit is 80 percent Agawam soils. 20 percent minor components. Agawam soils This component occurs on valley and outwash plain terrace landforms. The parent material consists of eolian deposits over glaciofluvial deposits 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 4.8 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 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 8 inches; fine sandy loam 8 to 14 inches; fine sandy loam 14 to 24 inches; fine sandy loam 24 to 60 inches; stratified very gravelly coarse sand to fine sand

Map Unit: 38C—Hinckley gravelly sandy loam, 3 to 15 percent slopes

Hinckley Gravelly Sandy Loam, 3 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 40 to 50 inches (1016 to 1270 millimeters) and the average annual air temperature is 45 to 55 degrees F. (7 to 13 degrees C.) This map unit is 80 percent Hinckley soils. 20 percent minor components. Hinckley soils This component occurs on valley outwash plain, terrace, kame, and esker landforms. The parent material consists of sandy and gravelly glaciofluvial deposits 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 excessively drained. The slowest permeability within 60 inches is about 5.95 in/hr (rapid), with about 2.3 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 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 8 inches; gravelly sandy loam 8 to 20 inches; very gravelly loamy sand 20 to 27 inches; very gravelly sand 27 to 42 inches; stratified cobbly coarse sand to extremely gravelly sand 42 to 60 inches; stratified cobbly coarse sand to extremely gravelly sand

Map Unit: 50B—Sutton fine sandy loam, 3 to 8 percent slopes

Sutton Fine Sandy Loam, 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 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 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 moderately well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 7.5 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 2w Typical Profile: 0 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: 84C—Paxton and Montauk fine sandy loams, 8 to 15 percent slopes

Paxton And Montauk Fine Sandy Loams, 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 35 to 50 inches (889 to 1270 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 55 percent Paxton soils, 30 percent Montauk soils. 15 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 Montauk soils This component occurs on upland hill and drumlin landforms. The parent material consists of sandy lodgement till derived from granite and gneiss. The slope ranges from 8 to 15 percent and the runoff class is low. The depth to a restrictive feature is 20 to 38 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 3.3 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 27 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 4 inches; fine sandy loam 4 to 14 inches; fine sandy loam 14 to 25 inches; sandy loam 25 to 39 inches; gravelly loamy coarse sand 39 to 60 inches; gravelly sandy loam

Map Unit: 98—Westbrook mucky peat

Westbrook Mucky Peat 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 40 to 50 inches (1016 to 1270 millimeters) and the average annual air temperature is 48 to 52 degrees F. (9 to 11 degrees C.) This map unit is 80 percent Westbrook soils. 20 percent minor components. Westbrook soils This component occurs on coastal plain salt marsh and tidal marsh landforms. The parent material consists of herbaceous organic material over loamy drift or marine deposits. The slope ranges from 0 to 2 percent and the runoff class is negligible. The depth to a restrictive feature is 0 to 51 inches to salic. The drainage class is very poorly drained. The slowest permeability within 60 inches is about 0.00 in/hr (very slow), with about 4.4 inches (moderate) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 8.4 LEP (high). The flooding frequency for this component is frequent. The ponding hazard is frequent. The minimum depth to a seasonal water table, when present, is about 6 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 60 mmhos/cm (strongly saline). The Nonirrigated Land Capability Class is 8 Typical Profile: 0 to 10 inches; mucky peat 10 to 40 inches; mucky peat 40 to 48 inches; mucky peat 48 to 64 inches; silt loam 64 to 99 inches; silt loam

Map Unit: 229B—Agawam-Urban land complex, 0 to 8 percent slopes

Agawam-Urban Land Complex, 0 To 8 Percent Slopes This map unit is in the Connecticut Valley New England and Eastern New York Upland, Southern Part 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 50 degrees F. (7 to 10 degrees C.) This map unit is 40 percent Agawam soils, 35 percent Urban Land. 25 percent minor components. Agawam soils This component occurs on valley outwash plain and terrace landforms. The parent material consists of eolian deposits over glaciofluvial deposits derived from schist, granite, and gneiss. The slope ranges from 0 to 8 percent and the runoff class is very 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 4.8 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 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 8 inches; fine sandy loam 8 to 14 inches; fine sandy loam 14 to 24 inches; fine sandy loam 24 to 60 inches; stratified very gravelly coarse sand to fine sand 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 8 percent and the runoff class is very high. The Nonirrigated Land Capability Class is 8

Map Unit: 238C—Hinckley-Urban land complex, 3 to 15 percent slopes

Hinckley-Urban Land Complex, 3 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 40 to 50 inches (1016 to 1270 millimeters) and the average annual air temperature is 45 to 55 degrees F. (7 to 13 degrees C.) This map unit is 40 percent Hinckley soils, 35 percent Urban Land. 25 percent minor components. Hinckley soils This component occurs on valley outwash plain, esker, kame, and terrace landforms. The parent material consists of sandy and gravelly glaciofluvial deposits derived from granite, gneiss, and schist. 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 excessively drained. The slowest permeability within 60 inches is about 5.95 in/hr (rapid), with about 2.3 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 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 8 inches; gravelly sandy loam 8 to 20 inches; very gravelly loamy sand 20 to 27 inches; very gravelly sand 27 to 42 inches; stratified cobbly coarse sand to extremely gravelly sand 42 to 60 inches; stratified cobbly coarse sand to extremely gravelly sand 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 15 percent and the runoff class is very high. The Nonirrigated Land Capability Class is 8

Map Unit: 306—Udorthents-Urban land complex

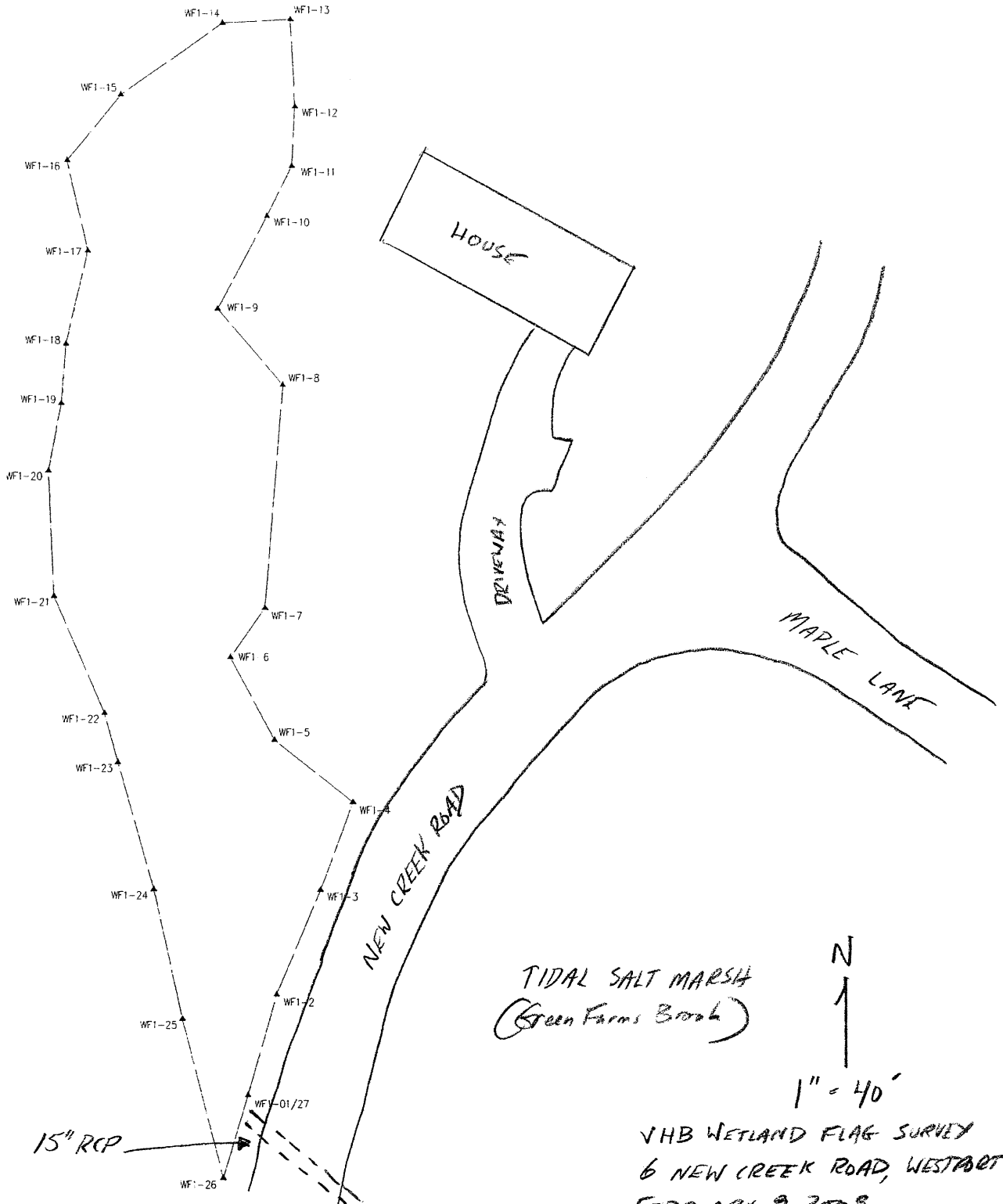
Udorthents-Urban Land Complex This map unit is in the New England and Eastern New York Upland, Southern Part Connecticut Valley Major Land Resource Area. The mean annual precipitation is 32 to 50 inches (813 to 1270 millimeters) and the average annual air temperature is 45 to 55 degrees F. (7 to 13 degrees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

Data Source Information

Soil Survey Area: State of Connecticut

Survey Area Data: Version 6, Mar 22, 2007

METRO NORTH RAIL LINE



TIDAL SALT MARSH
(Green Farms Brook)

N
↑
1" = 40'

VHB WETLAND FLAG SURVEY
6 NEW CREEK ROAD, WESTPORT
FEBRUARY 9, 2009
MATTHEW DAVIDSON



Vanasse Hangen Brustlin, Inc.

TIDAL WETLANDS DELINEATION REPORT

Date: May 4, 2009
Project No.: 41448.00
Prepared For: The Connecticut Light and Power Company
Site Location: 6 New Creek Road
Westport, Connecticut
Site Map: Tidal Wetland Sketch Map, dated April 25, 2009
Inspection Date: April 25, 2009
Field Conditions: Weather: sunny, mid 70's General Soil Moisture: moist
Snow Depth: 0 inches Frost Depth: 0 inches

Type of Wetlands Identified and Delineated:

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

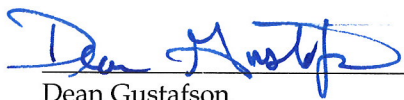
Field Numbering Sequence of Wetlands Boundary: VHB TW 1 to 11; TW 12 to 23

[as depicted on attached wetland sketch map]

The tidal wetland classification system of the Connecticut Department of Environmental Protection was used in this investigation.

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

The tidal wetlands delineation was conducted by:



Dean Gustafson
Senior Wetland Scientist

Enclosures

Attachments



-
- Wetland Delineation Field Form
 - Tidal Wetlands Vegetation Inventory
 - Tidal Wetland Sketch Map

Wetland Delineation Field Form

Project Address:	6 New Creek Road Westport, Connecticut	Project Number:	41448.00
Inspection Date:	4/25/09	Inspector:	Dean Gustafson, Sr. Wetland Scientist
Wetland I.D.:	Tidal Wetland 1		

Field Conditions:	Weather: sunny, mid 70's	Snow Depth: 0 inches
	General Soil Moisture: moist	Frost Depth: 0 inches
Type of Wetland Delineation:	CT Inland <input type="checkbox"/>	
	CT Tidal <input checked="" type="checkbox"/>	
	ACOE <input type="checkbox"/>	

Field Numbering Sequence: TW 1 to 11 & TW 12 to 23

WETLAND HYDROLOGY:

NONTIDAL

Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated – seepage <input type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: N/A		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input checked="" type="checkbox"/>	Irregularly Flooded <input checked="" type="checkbox"/>
Seasonally Flooded <input type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>	
Comments: mosquito ditches have altered the tidal salt marsh hydrology		

WETLAND TYPE:

SYSTEM:

Estuarine <input checked="" type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: associated with the ebb and flow from Greens Farms Brook, a tidal stream		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input type="checkbox"/>	Forested <input type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: tidal salt marsh wetland habitat		

WATERCOURSE TYPE:

Perennial <input checked="" type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input checked="" type="checkbox"/>
Comments: tidal salt marsh borders Greens Farms Brook (a.k.a., New Creek)		

SPECIAL AQUATIC HABITAT:

Vernal Pool <input type="checkbox"/>	Other <input type="checkbox"/>	
Comments: N/A		

Tidal Wetlands Vegetation Inventory

Proposed Sherwood 18P Substation

New Creek Road

Westport, Connecticut

April 25, 2009

Tidal Salt Marsh North (Wetland Flags TW 1 to 11)

Cover Type	% Cover	Dominant Species
Shrubs	U	High-tide bush (<i>Iva frutescens</i>)
Herbaceous	M	Salt grass (<i>Districhlis spicata</i>)
	M	Salt hay grass (<i>Spartina patens</i>)
	C	Common reed (<i>Phragmites australis</i>)
	U	Narrow-leaved cattail (<i>Typha angustifolia</i>)

Tidal Salt Marsh South (Wetland Flags TW 12 to 23)

Cover Type	% Cover	Dominant Species
Shrubs	U	High-tide bush (<i>Iva frutescens</i>)
Herbaceous	M	Salt grass (<i>Districhlis spicata</i>)
	M	Salt hay grass (<i>Spartina patens</i>)
	U	Smooth cordgrass (<i>Spartina alterniflora</i>)
	M	Common reed (<i>Phragmites australis</i>)
	U	Narrow-leaved cattail (<i>Typha angustifolia</i>)
	S	Woody glasswort (<i>Salicornia virginica</i>)

Percent cover codes:

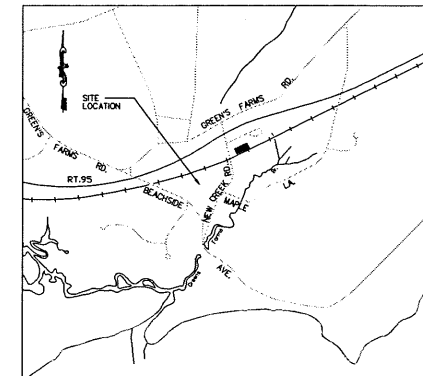
(A)bundant (> 64%)

(C)ommon (40 - 64%)

(M)oderate (20 - 39%)

(U)ncommon (5 - 19%)

(S)carce (< 5%)



LOCUS MAP
N.T.S.

N/F
NEW YORK, NEW HAVEN, &
HARTFORD RAILROAD COMPANY

N/F
MICHAEL JOHNSON

PARCEL AREA:
112031 SQ.FT.
2.57 ACRES

FLOOD ZONE "A6"
SEE NOTE 6

EXISTING 50'
WETLANDS SETBACK

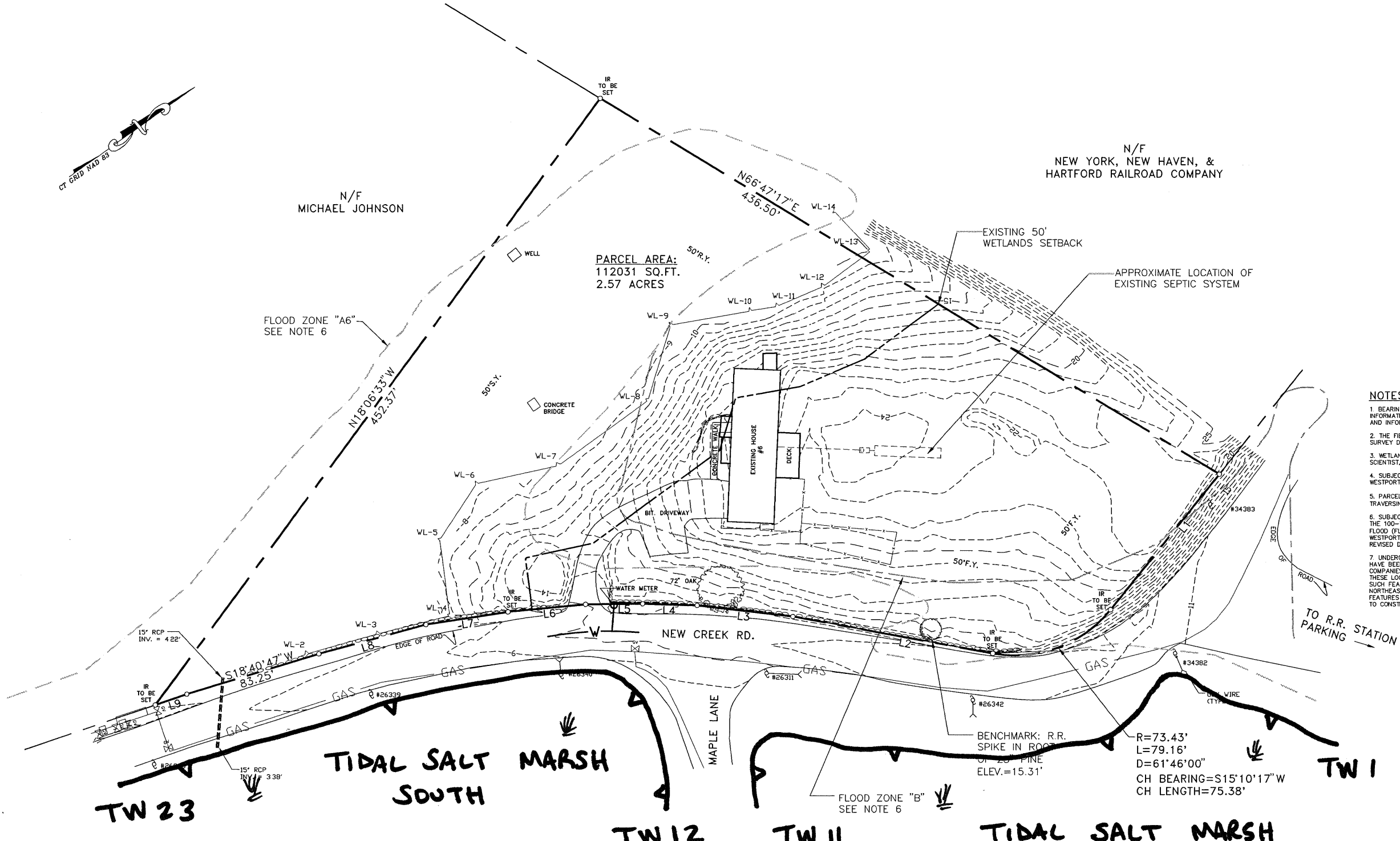
APPROXIMATE LOCATION OF
EXISTING SEPTIC SYSTEM

NOTES:

1. BEARINGS AND ELEVATIONS SHOWN ARE NAD 83 AND NAVD 88 RESPECTIVELY. COORDINATE INFORMATION DERIVED FROM GPS DATA COLLECTED BY NORTHEAST UTILITY SURVEY DEPARTMENT AND INFORMATION PROVIDED BY THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION
2. THE FIELD SURVEY SHOWN WAS PERFORMED ON THE GROUND BY NORTHEAST UTILITIES SURVEY DEPARTMENT IN APRIL 2008
3. WETLAND FLAGS SHOWN WERE FIELD DELINEATED BY COLLIN DUNCAN, CERTIFIED SOIL SCIENTIST, IN APRIL 2008
4. SUBJECT PARCEL SHOWN IS LOCATED IN ZONE "AAA" AS SHOWN ON THE TOWN OF WESTPORT ZONING MAP TAX MAP 06, LOT 5
5. PARCEL SHOWN SUBJECT TO POSSIBLE "RIGHTS OF OTHERS IN AND TO THE STREAM TRAVERSING THE PREMISES"
6. SUBJECT PARCEL SHOWN IS LOCATED PARTLY IN FLOOD ZONE "B" AREAS BETWEEN LIMITS OF THE 100-YEAR AND 500-YEAR FLOOD AND PARTLY IN FLOOD ZONE "A6" AREAS OF 100-YEAR FLOOD (FLOOD ELEVATION 11), AS SHOWN ON FLOOD INSURANCE RATE MAP "FIRM" TOWN OF WESTPORT, CONNECTICUT, FAIRFIELD COUNTY, COMMUNITY PANEL NUMBER 090019 00028, REVISED DATE: DECEMBER 4, 1984
7. UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES, FROM PAROL TESTIMONY AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATED AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG: 1.800.922.4455.

MAP REFERENCES:

1. SURVEY PREPARED FOR THOMAS F. HUGHES ET AL, WESTPORT, CONN. SCALE: 1" = 60', DATE: DEC 30, 1965 BY CHARLES S. LYMAN
2. SURVEY PREPARED FOR ALBERT V. T. DAY, WESTPORT, CONN. SCALE: 1" = 60', DATE: MARCH 1957
3. PROPERTY OF NICHOLAS S. HILL JR GREENS FARMS, WESTPORT CONN. SCALE: 1" = 40', DATE: JAN 31, 1926 BY ALFRED H. TERRY
4. SURVEY OF PREMISES LOCATED AT 1 BEACHSIDE AVENUE, WESTPORT, CT. SCALE: 1" = 50', DATE: DECEMBER 16, 2003 REVISED THROUGH MARCH 9, 2004, BY AIDAN C. MCCANN
5. RIGHT OF WAY AND TRACK MAP THE NEW YORK NEW HAVEN AND HARTFORD R.R. CO. FROM WOODLAWN TO NEW HAVEN STATION 1815+20 TO STATION 1868+00, TOWN OF WESTPORT, STATE OF CONN SCALE: 1" = 100', DATE: JUNE 30, 1915



LINE TABLE

	BEARING	DISTANCE
L1	S15°-42'-43" E	104.47'
L2	S46°-03'-27" W	122.94'
L3	S42°-19'-47" W	58.03'
L4	S37°-18'-07" W	32.66'
L5	S35°-08'-47" W	34.43'
L6	S30°-01'-57" W	46.85'
L7	S26°-53'-37" W	50.52'
L8	S20°-19'-17" W	66.86'
L9	S16°-40'-27" W	20.00'

LEGEND:

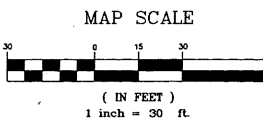
- PROPERTY LINE
- BUILDING LINE
- WETLANDS
- WETLANDS 50' SETBACK
- CHAINLINK FENCE
- ZONE A-6 FLOOD ZONE
- ZONE B FLOOD ZONE
- MAJOR CONTOUR
- MINOR CONTOUR
- GAS MAIN
- WATER MAIN
- STONE WALL
- UTILITY POLE
- GAS VALVE

GREENS FARMS BROOK

TW 23, TW 12, TW 11, TW 1

TIDAL SALT MARSH SOUTH, TIDAL SALT MARSH NORTH

EBB FLOW



THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES-MINIMUM STANDARD FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. IT IS A ZONING LOCATION SURVEY, BOUNDARY DETERMINATION CATEGORY DEPENDANT RESURVEY, CONFORMING TO HORIZONTAL ACCURACY CLASS A-2 AND A TOPOGRAPHIC SURVEY CONFORMING TO TOPOGRAPHIC ACCURACY CLASS 1-2. THE PURPOSE OF THIS SURVEY AND MAP IS TO ENABLE DETERMINATION OF COMPLIANCE OR NON-COMPLIANCE WITH APPLICABLE MUNICIPAL OR STATUTORY REQUIREMENTS.

TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON

SHAWN A. SOUTHWORTH, LS #70288

ANY ORIGINAL OR DUPLICATE OF THIS MAP IS NOT VALID UNLESS IT BEARS THE EMBOSSED SEAL OF THE SURVEYOR WHOSE REGISTRATION NUMBER APPEARS ABOVE. NO OTHER CERTIFICATION OR WARRANTY IS EXPRESSED OR IMPLIED.

VANASSE HANGEN BRUSTLIN, INC.

TIDAL WETLAND SKETCH

Northeast Utilities Service Co.

FOR THE CONNECTICUT LIGHT & POWER COMPANY

TITLE: SHERWOOD 18P SUBSTATION BOUNDARY & TOPOGRAPHIC SURVEY

6 NEW CREEK RD, WESTPORT, CONNECTICUT

BY	CHKD	SAS	APP	APP
DATE	DATE	DATE	DATE	DATE
4/08	4/08	4/08		

H-SCALE 1" = 30' V-SIZE ARCH D FIELD BOOK & PAGES

V-SIZE R.E.DWG. 22632

R.E. PROJ. NUMBER 150-03.169 NUSCO

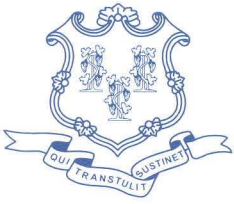
4/25/09 DEG

- **High Efficiency Natural Gas Hot Water Equipment Rebate:** Available to natural gas customers who install qualifying water heaters.
- **Residential New Construction:** Homeowners can build the home of their dreams while earning incentives for energy efficient construction and geothermal heat pumps. This program will help homeowners achieve the greatest level of energy efficiency by using reliable, advanced building techniques and high-quality materials.
- **Low-Income Programs – WRAP** (Weatherization Residential Assistance Partnership for CL&P, Yankee Gas, Connecticut Natural Gas and Southern Connecticut Gas) and **UI Helps:** These “fuel-blind” programs are for residents who are at or below 60 percent of the state’s median income levels. Services include advanced weatherization, heating/cooling assessments, lighting and water efficiency measures and more. Low-income programs are especially important because energy bills typically comprise a disproportionate percentage of their household income. CEEF programs assisted 11,213 low-income customers in 2008 and helped them save over 15 million annual kWh and more than 248,000 annual ccf, with annual energy savings of over \$3.1 million.
- **ENERGY STAR® Retail Products.** Energy-efficient light bulbs are rebated through a competitive solicitation before they even reach store shelves. This allows consumers to purchase high-efficiency bulbs at reduced cost without having to take extra step of mail-in rebate coupon. Additionally, mail-in rebates are available for more substantial purchases of energy-efficient HVAC systems, geothermal heat pumps, and window air conditioners.
- **Museum Partnerships.** As part of the educational and outreach mission, the Connecticut Energy Efficiency Fund sponsors several interactive exhibits on energy efficiency around the state. Partnering with key educational museums, science centers, technical high schools and municipalities, these exhibits raise awareness in school-age children, teachers and parents about the economic and environmental benefits of energy efficiency
- **Energy Education.** *eesmarts*[™] is an energy efficiency and clean, renewable education initiative for Connecticut’s Grade PreK-9 classrooms. The program provides free, professional development training regarding energy and energy efficiency curriculum that supports the CT Science Framework standards.

How do residents and business participate?

There are many ways to find out and sign up for CEEF programs. www.CTEnergyInfo.com is a “portal” web site designed to be an easy point of access for all of Connecticut’s citizens who are looking for a variety of energy-efficiency services, including CEEF program information.

All the individual utility company web sites have program details, as well as downloadable applications in some instances. Another way to access CEEF programs and services is through **1-877-WISE-USE**.



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION



June 19, 2008

Scott Marotta
Northeast Utilities System
P.O. Box 270
Hartford, CT 06141-0270

Re: Proposed Substation, 6 New Creek
Road, Westport

Dear Mr. Marotta:

I have reviewed Natural Diversity Data Base maps and files regarding the area delineated on the map you provided for the proposed substation at 6 New Creek Road in Westport, 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 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 424-3592. 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 DEP for the proposed site.

Sincerely,

Dawn M. McKay
Biologist/Environmental Analyst

DMM/blm

Libertine, Mike

From: Libertine, Mike
Sent: Saturday, December 19, 2009 10:43 AM
To: 'McKay, Dawn'
Subject: RE: CL&P - Westport Substation

I cannot thank you enough for your quick review and response Dawn. Much appreciated.

We identified the Marsh early on and CL&P has worked with the Town over the past year to establish appropriate protection of this resource. CL&P has committed to incorporate primary and secondary erosion and sedimentation control measures for construction, establish permanent vegetative site stability, and improve the conditions of existing off-site drainage structures along the road. Further, we are adhering to those coastal regulations as you suggest to avoid run-off impacts from the site.

Provided you are in agreement, I would like to incorporate your email and recommendations into our application to the Siting Council to document our efforts in reviewing the most up-to-date information and consultation with your office.

Thank you so much again for your time and consideration.

Best-

Michael P. Libertine
Director, Environmental Services

860.632.1500 x2356
www.vhb.com

From: McKay, Dawn [mailto:Dawn.McKay@ct.gov]
Sent: Friday, December 18, 2009 3:52 PM
To: Libertine, Mike
Subject: RE: CL&P - Westport Substation
Importance: Low

Hi Mike.

I looked at the site for the new bulk power substation at 6 New Creek Road in Waterford. The new polygon represents Greens Farms Brook Marsh, a significant natural community (habitat). This brackish intertidal marsh is just south of your project site.

I would say that special care should be taken to adhere to all coastal regulations as they relate to avoiding run-off or impacts to this critical natural community. That would include avoiding siltation into the marsh or any other long-term impacts from this project. If you have additional questions please let me know.

Dawn 860-324-4121

From: Libertine, Mike [mailto:MLibertine@VHB.com]
Sent: Friday, December 18, 2009 2:46 PM
To: McKay, Dawn

Cc: mayheam@nu.com

Subject: CL&P - Westport Substation

Dawn

The Connecticut Light and Power Company (CL&P) is considering the development of a new bulk power substation at 6 New Creek Road in Waterford, Connecticut (the "Site").

This location is south of the Metro-North Railroad and adjacent to the high-voltage transmission lines that run along the railroad. The proposed development of a new substation requires CL&P to submit an application to the Connecticut Siting Council for a Certificate of Environmental Compatibility and Public Need. Consultation with your office is part of the application process.

In May of 2008, CL&P requested your review of Natural Diversity Data Base (NDDDB) mapping with respect to the proposed new substation. Our review of the NDDDB at that time revealed no polygons at or in the immediate vicinity of the Site. You responded in writing on June 19, 2008 that no known extant populations of Federal or State Endangered, Threatened or Special Concern Species occurred at the Site (letter attached).

In preparation of filing the application, CL&P reviewed the most recent update (December 2009) to the NNDB and observed new polygons at and surrounding the Site.

I am also attaching a graphic that depicts the site location and vicinity and the updated NDDDB polygons.

It is our hope to file the application on December 28th and I would respectfully request a preliminary review at this time so that we may determine the species and location in question in an effort to plan accordingly.

Thank you very much for your prompt attention to this matter.

Michael P. Libertine

Director, Environmental Services

VHB | Vanasse Hangen Brustlin, Inc.

Transportation | Land Development | Environmental Services

54 Tuttle Place

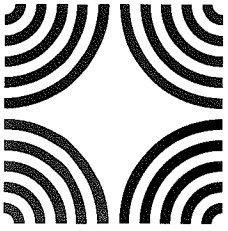
Middletown, CT 06457-1847

Phone: 860.632.1500 x2356 | Fax: 860.632.7879

milibertine@vhb.com

www.vhb.com

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Connecticut Commission on Culture & Tourism

May 21, 2009

Historic Preservation
and Museum Division

One Constitution Plaza
Second Floor
Hartford, Connecticut
06103

860.256.2800
860.256.2763 (f)

Ms. Amanda M. Mayhew
Northeast Utilities System
107 Selden Street
Berlin, CT 06037

Subject: CL&P Sherwood Substation
6 New Creek Road
Westport, CT

Dear Ms. Mayhew:


The State Historic Preservation Office has reviewed the reconnaissance survey prepared by Heritage Consultants LLC concerning the above-named project. In the opinion of the State Historic Preservation Office, the archival and archaeological methodologies employed by Heritage Consultants LLC are consistent with our *Environmental Review Primer for Connecticut's Archaeological Resources*.

In the opinion of the State Historic Preservation Office, 6 New Creek Road lacks historic and architectural importance and is not eligible for the National Register of Historic Places. This office concurs with Heritage Consultants LLC's assessment that no additional archaeological investigations appear warranted with respect to the proposed undertaking. We believe that the proposed undertaking will have no effect upon Connecticut's cultural heritage.

This office recommends that Heritage Consultants LLC consult with the Office of State Archaeology at the University of Connecticut (Storrs) concerning the professional transfer of all field notes, photographs, and artifactual materials generated by the archaeological investigations.

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

Sincerely,


David Bahlman
Deputy State Historic Preservation Officer

cc: Bellantoni, George

CONNECTICUT
www.cultureandtourism.org

Municipal Consultation Filing Comments



WESTPORT, CONNECTICUT

GORDON F. JOSELOFF
First Selectman

December 10, 2009

Mr. Christopher Swan
Director - Municipal Relations,
Siting and Permitting
Northeast Utilities Service Company
9 Tindall Avenue
Norwalk, CT 06851

Re: Sherwood Substation, Westport
Municipal Consultation Filing

Dear Chris:

This letter is in response to the Municipal Consultation Filing for the proposed Sherwood Substation, filed with the Town of Westport. The town supports the Sherwood Substation to be located at 6 New Creek Road, in the manner proposed by CL&P.

Over nearly the past four years, CL&P representatives have had discussions with town officials regarding the reliability of the electric service provided to customers in Westport, and in particular, in the Greens Farms area. The town has become aware of the temporary measures undertaken by CL&P at area substations. We understand that a more permanent solution is essential to ensure that service to CL&P's customers is reliable and that capacity is available to meet future needs in Westport.

We are pleased that CL&P is proposing the Sherwood Substation, a new state-of-the-art facility, to serve Westport customers and that it will replace the aging Greens Farms Substation and the temporary measures in place, including the transformer at Sasco Creek Substation.

CL&P has provided to the town detailed information and plans for the substation design, which has been reviewed by Westport's Conservation Commission, Planning and Zoning Commission and town staff from various departments, including emergency responders. The town has furnished comments to CL&P at every stage of the process and is satisfied with CL&P's responses and plan changes.

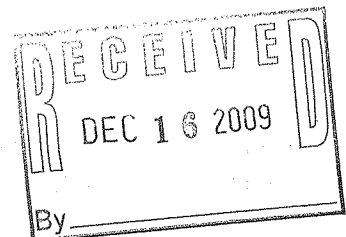
We look forward to continuing our dialogue with CL&P as the Sherwood Substation proceeds forward through the Connecticut Siting Council application process.

Sincerely,

Gordon F. Joseloff
First Selectman

GFJ:ps

{W1765403}





**WESTPORT, CONNECTICUT
CONSERVATION DEPARTMENT**

TOWN HALL - 110 MYRTLE AVENUE
WESTPORT, CONNECTICUT 06880
(203) 341-1170 • FAX (203) 341-1088

October 13, 2009

John Morrisett
Northeast Utilities System
107 Selden Street
Berlin, CT 06037

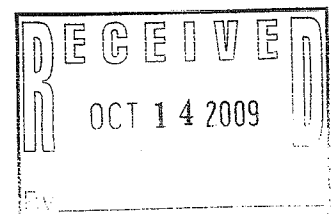
Re: Application of the Connecticut Light and Power Company to the Connecticut Siting Council for a Certificate of Environmental Compatibility and Public Need for the Construction of the Sherwood Substation in Westport, Connecticut

Dear Mr. Morrisett:

Thank you for your submission of September 29, 2009 to the Town of Westport of the Municipal Consultation Filing for a Certificate of Environmental Compatibility and Public Need for the Sherwood Substation proposed at 6 New Creek Road. This item will be scheduled on the Planning and Zoning Commission's November 12, 2009 public meeting agenda and the Conservation Commission's November 18, 2009 public meeting agenda. A copy of these agendas will be forwarded to you when they become available.

In the interim, staff of the Engineering, Conservation and Planning and Zoning Department's jointly reviewed the plans prepared by Vanasse Hangen Brustlin, Inc. dated September 23, 2009. What follows is a list of questions or concerns that we suggest be answered prior to the meetings before our perspective boards. Please note however, that this list is not meant to be exhaustive as individual commission members most likely will have questions of their own.

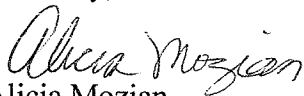
1. The plans appear to have been significantly changed since the last submission in the location of the area closest to the wetlands where the formerly proposed berm has been eliminated. However, the plans submitted do not appear to show the proposed grading in the vicinity of the proposed house and driveway demolition.
2. Currently the plans only show one silt fence and haybale combination at the wetland boundary. It is strongly suggested that additional silt fencing be added at strategic locations during different phases of construction. For instance, once the house is demolished another silt fence and haybale combination should be installed to limit further westerly disturbance.



3. Further to this end, a narrative should be included that describes the sequence of demolition and construction so that sediment and erosion controls are continuously added or improved in a timely manner.
4. With regard to the planting plan, was the adjacent owner at 1 Beachside Avenue consulted with about landscape screening? Did he or she want any planting on their own property? It appears that the numerous screen plantings planned for 6 New Creek will screen the substation from the road but perhaps not screen the substation from the Beachside Avenue property since that property sits significantly higher.
5. Please describe the spill prevention plan should the transformers leak. It appears that should there be a leak, pcb's would discharge into a drywell having direct contact with the ground. What is the rate of transmission for pcb's traveling through the soil? We are concerned because of the site's close proximity to New Creek.
6. We recommend that the 18 inch underground storage and infiltration pipe and the rip-rap swale located along the west side of the substation perimeter be eliminated and replaced with a bio-swale.
7. We would ask that all municipal drainage systems on New Creek Road be inspected and cleaned prior to job completion. This includes, but is not limited to, the catchbasin across from the intersection of New Creek Road and the railroad parking lot driveway and the 15 inch rcp culvert at the southwestern most point of the property.

We hope that these suggested improvements can be addressed at each of our hearings.

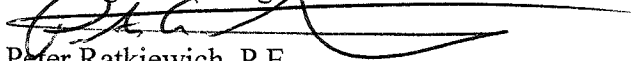
Sincerely,



Alicia Mozian
Conservation Director



Larry Bradley
Planning and Zoning Director


Peter Ratkiewich, P.E.
Town Engineer

Cc: Gordon Joseloff, First Selectman
Chris Swan



**Northeast
Utilities System**

107 Selden Street, Berlin, CT 06037
Northeast Utilities Service Company
P.O. Box 270
Hartford, CT 06141-0270

November 16, 2009

Hand Delivered

Town of Westport
Ms. Alicia Mozian, Conservation Director
Mr. Laurence Bradley, Planning and Zoning Director
Peter Ratkiewich, P.E., Town Engineer
110 Myrtle Avenue
Westport, CT 06880

**Re: Municipal Consultation Filing
Proposed Sherwood Substation
New Creek Road
Westport, Connecticut**

Dear Alicia, Larry and Peter:

The Connecticut Light and Power Company (CL&P) has reviewed your letter (dated October 13, 2009) summarizing questions or concerns expressed by you on behalf of the Engineering, Conservation and Planning and Zoning Departments concerning CL&P's recently submitted Municipal Consultation Filing. We offer the following responses:

- 1. The plans appear to have been significantly changed since the last submission in the location of the area closest to the wetlands where the formerly proposed berm has been eliminated. However, the plans submitted do not appear to show the proposed grading in the vicinity of the proposed house and driveway demolition.**

The plan set dated 9/23/09 eliminates the previously proposed 3-foot-high landscaped western-most berm between the substation and the wetlands. This earthen berm was originally part of the initial landscaping concept to assist in screening potential views from the westerly-abutting property owner. CL&P has successfully worked in cooperation with the abutting landowners on plantings on their property, thereby eliminating the need for additional screening including the western-most berm at the site. Eliminating the berm would reduce earthwork within the upland review area. Once the existing house is demolished, its footprint would be graded to meet existing elevations.

2. **Currently, the plans only show one silt fence and haybale combination at the wetland boundary. It is strongly suggested that additional silt fencing be added at strategic locations during different phases of construction. For instance, once the house is demolished another silt fence and haybale combination should be installed to limit further westerly disturbance.**

CL&P will agree to incorporate these additional erosion and sediment (E&S) control measures into its Development and Management (D&M) Plan, which is filed with and approved by the Connecticut Siting Council once the Certificate is issued. CL&P will add additional silt fencing at strategic locations during the construction phases, including rough grading, house demolition, and earth work on the western side of the substation.

3. **Further to this end, a narrative should be included that describes the sequence of demolition and construction so that sediment and erosion controls are continuously added or improved in a timely manner.**

CL&P will include a narrative in the Application as you suggest.

4. **With regard to the planting plan, was the adjacent owner at 1 Beachside Avenue consulted with about landscape screening? Did he or she want any planting on their own property? It appears that the numerous screen plantings planned for 6 New Creek will screen the substation from the road but perhaps not screen the substation from the Beachside Avenue property since that property sits significantly higher.**

CL&P and the western abutting property owners at 1 Beachside Avenue have had extensive discussions about landscaping on that property as well as the CL&P property. The abutting property owners are undertaking plantings on their property and have provided input on CL&P's landscaping efforts.

5. **Please describe the spill prevention plan should the transformers leak. It appears that should there be a leak, pcb's would discharge into a drywell having direct contact with the ground. What is the rate of transmission for pcb's traveling through the soil? We are concerned because of the site's close proximity to New Creek.**

Please note that the fluids contained within the proposed power transformers do not contain polychlorinated biphenyls (PCBs). The transformers within the substation would have a non-PCB-containing mineral oil-based insulating fluid. Furthermore, no hazardous materials would be stored at the substation.

The transformers would be equipped with low-oil-level alarm systems. In the event of a low-oil-level detection, an alarm would be relayed to the local CL&P dispatch center for immediate response. Similar alarms shall be triggered in the event of an electrical malfunction.

The substation would also have a comprehensive Spill Prevention, Control and Countermeasures (SPCC) Plan which includes information on the design, function and maintenance of the transformers' secondary containment system, consisting of an Imbiber Beads Drain Protection System® (IBS) for the sump, and the manufacturer's information as appropriate.

The sump containment systems for the substation's power transformer are designed as passive systems. An IBS would surround each transformer for secondary containment. Designed to hold 110% of a transformer's fluid capacity, the sump would contain the transformer oil in the unlikely event of a spill. Each containment area is completely lined with a woven composite geo-membrane fabric. The fabric possesses strong physical characteristics to resist tearing, punctures, abrasions and UV radiation. The fabric is flexible, performs well in temperature extremes and is resistant to a broad spectrum of oils and chemicals.

The geo-membrane fabric is installed on a sand bed and sealed to the transformer foundation by corrosion resistant aluminum batten strips and butyl caulk. Penetrations of the fabric into the containment area are avoided where possible. Any penetrations are completely sealed at the liner/penetration interface. The IBS drain shut off system is installed at one end of the containment area and sealed to the liner. A thirty-six inch access way is provided for system inspection and maintenance. The shutoff system consists of a corrosion-resistant housing for the IBS and associated filter components. This system allows rain water to filter through the beads and into the underlying ground while the beads absorb oil as the oil comes in contact with the beads. As oil is absorbed, the beads expand and form a blocking seal, preventing discharges of oil from the containment. The insulating oil used in CL&P's power transformers has been tested and found to be compatible with the IBS. This design has been approved by CTDEP and incorporated into other operational substation designs by CL&P.

The SPCC Plan would include periodic inspection of the IBS to ensure the filters are clean and the system is draining freely and not accumulating water, fine sand or soil. If required, filters would be replaced and the unit would be cleaned.

Routine visual inspection of each transformer and the transformer foundations would be performed to detect evidence of leaks or seeps. Clean up and repair of any such leaks or seeps would be ordered immediately upon detection.

- 6. We recommend that the 18 inch underground storage and infiltration pipe and the rip-rap swale located along the west side of the substation perimeter be eliminated and replaced with a bio-swale.**

CL&P will eliminate the proposed swale and replace it with a bio-swale as you suggest.

- 7. We would ask that all municipal drainage systems on New Creek Road be inspected and cleaned prior to job completion. This includes, but is not limited to, the catchbasin across from the intersection of New Creek Road and the railroad parking lot driveway and the 15 inch rcp culvert at the southwester most point of the property.**

CL&P will work with the Westport Public Works Department to inspect and clean the catch basins, culverts and outlet piping proximate to the site.

Project Update

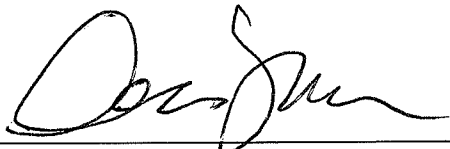
Recently, we were asked by Greens Farms Academy to consider relocation of the driveway in an effort to provide additional vegetative screening along New Creek Road from points south. As depicted on the enclosed preliminary revised civil sketch, the driveway would be relocated to the northeast portion of the site, across from the train station parking lot. This proposed relocation provides two key screening benefits: 1) some existing trees along New Creek Road may be salvaged; and, 2) direct views into the site would be minimized from locations across the tidal wetlands to the south. No expansion or relocation of the substation footprint is required to accommodate this design modification. Therefore, CL&P plans to incorporate this change into its Application to the Connecticut Siting Council.

In addition to the revised site plan, CL&P is working with its landscape architect on a revised Landscape Concept that incorporates the proposed driveway relocation and resultant modifications including maintaining some existing trees along New Creek Road and additional evergreen plantings south of the substation.

We look forward to discussing the project with you further. Should you have any questions prior to our meetings on November 18th and 19th, please direct them to Ms. Amanda Mayhew of my staff at 860-665-6953.

Respectfully submitted,

NORTHEAST UTILITIES SERVICE COMPANY

By 

Christopher C. Swan
Director – Municipal Relations & Siting

cc: Mr. Gordon F. Joseloff, First Selectman, Town of Westport

**DRAFT
MINUTES
WESTPORT CONSERVATION COMMISSION
NOVEMBER 18, 2009**

The November 18, 2009 of the Westport Conservation Commission was called to order at 7:00 p.m. in the Auditorium of the Westport Town Hall.

ATTENDANCE

Commission Members:

Gerald Kagan, Vice-Chair
Ralph Field
Jeffress Gouverneur
W. Fergus Porter, Alternate
Jennifer Tooker, Alternate

Staff Members:

Alicia Mozian, Conservation Department Director
Lynne Krynicki, Conservation Analyst

This is to certify that these minutes and resolutions were filed with the Westport Town Clerk within 7 days of the November 18, 2009 Public Hearing of the Westport Conservation Commission pursuant to Section 1-225 of the Freedom of Information Act.

Alicia Mozian
Conservation Department Director

Public Meeting:

1. **6 New Creek Road:** Presentation by Northeast Utilities System for a new electrical substation on property owned by Connecticut Light & Power pursuant to Connecticut General Statute 16-50x(d) with final approval by the Connecticut Siting Council.

Chris Swan presented the proposal for a new electrical substation on behalf of CL&P than the original submission. He stated they hope to submit their application to the Connecticut Siting Council by the third week in December. He stated they hope to have written feedback from the Conservation Commission to give to the Siting Council.

Ms. Mozian reviewed the changes to the proposal and stated this is a much better plan. She noted staff from Planning & Zoning, Engineer and Conservation met and sent a joint letter with their concerns. She highlighted and distributed CL&P's reply dated November 17, 2009. She indicated the driveway is being shifted to the north, which appears to have save more trees. She stated CL&P has worked with the neighbors to the south and the west on Beachside Avenue and will be placing more screening on those properties, which will eliminate the need for the berm and intrusion into the upland review area setback. She added they are proposing a bioswale instead of a pipe for the outfall discharge.

Mr. Gouverneur asked why an upgrade of the existing substation on the Post Road is not adequate.

Mr. Swan stated the site is too small. He noted there are equipment failures and indicated the 27,600-volt station is not big enough to provide the supply. He stated the existing substation will be retired with the soils remediated and the town will have the first right of refusal to obtain the property. He discussed the changes to the plan. He stated that by shifting the driveway further north allows them to retain more of the existing mature conifer trees. He stated that additional sediment and erosion control will be added as necessary. He indicated the property owners at 1 Beachside Avenue have agreed to allowing plantings on their property, which eliminated the need for the berm on that side.

Mr. Kagan asked what would happen with the old driveway.

Mr. Swan stated it would be used for ingress and egress during construction. After construction is complete, the old driveway will be ripped up and the area planted with grass and trees. The existing stonewall will be extended across the old driveway area.

Ms. Krynicki asked if the new driveway would conform with town specifications for pitch.

Mr. Swan stated they had met with the Fire and Police Departments earlier and that the new driveway met their safety standards. He indicated he would check with Engineering about what accommodations would be needed for the runoff.

Kris Aberg of CL&P asked the Commission for a letter of support for the project.

Mr. Kagan asked the staff to issue a letter of support to the Connecticut Siting Council for the project. He noted commended them for how transparent and collaborative the process was. He indicated that the letter should request a revised planting plan, sediment and erosion control plan and a review by the Engineering Department of the revised driveway location for possible additional drainage appurtenances so as to avoid flooding or icing conditions.

Ms. Mozian added that CL&P had also agreed to clean all catchbasins and drainpipes in the immediate vicinity prior to work completion.

Work Session II:

1. Approval of October 21, 2009 meeting minutes.



WESTPORT, CONNECTICUT
CONSERVATION DEPARTMENT

TOWN HALL - 110 MYRTLE AVENUE
WESTPORT, CONNECTICUT 06880
(203) 341-1170 • FAX (203) 341-1088

November 20, 2009

John R. Morissette
Manager, Transmission Siting and Permitting
Northeast Utilities System
107 Selden Street
Berlin, CT 06037

Re: Proposed Sherman Substation, 6 New Creek Road, Westport, CT

Dear Mr. Morissette:

The Westport Conservation Commission held a public meeting in which the latest revised plan dated November 11, 2009 by Vanasse Hangen Brustlin Inc. for a new substation at 6 New Creek Road was presented. The Commission is prepared to support the project with the forwarding of correspondence to the Connecticut Siting Council following receipt of the following three items:

1. A copy of the latest revised planting plan.
2. A copy of the revised site plan showing additional erosion and sediment control utilizing silt fence in combination with haybales along the easterly boundary of the wetland.
3. A review of the relocated driveway entrance across from the railroad parking area by the Town of Westport Engineering Department to assure compliance with driveway grading and drainage specifications.

In addition, NU has expressed its willingness to clean all catchbasins and drain pipes in the immediate vicinity of the project prior to work completion. The Town is appreciative of this effort and would like the work to be coordinated with the Town Engineering Department.

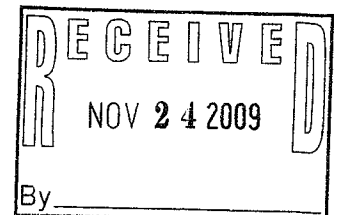
The Westport Conservation Commission thanks you for the opportunity to comment on this project and your cooperation in amending the plans to better protect our natural resources.

Sincerely,

Alicia Mozian
Conservation Director

Cc: Gordon Joseloff, First Selectman
Laurence Bradley, Planning and Zoning Director
Steve Edwards, DPW Director
Peter Ratkiewich, Town Engineer
Chris Swan, CL&P

Conservation Dept. Corres out 6 New Creek 11.19.09





WESTPORT CONNECTICUT

PLANNING & ZONING

TOWN HALL, 110 MYRTLE AVENUE
WESTPORT, CONNECTICUT 06880
(203) 341-1030 • (203) 341-1079
(203) 454-6145 • fax

December 7, 2009

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

RE: 6 New Creek Road: Application by Northeast Utilities System for a new electrical substation on property owned by Connecticut Light & Power pursuant to Connecticut General Statute 16-50x (d) with final approval by the Connecticut Siting Council in a Res AAA zone, PID # G06005000

Dear Mr. Phelps:

On November 11, 2009 Connecticut Light & Power (CL&P) presented their revised plans to Town of Westport Planning & Zoning Commission at a public hearing. CL&P appears to have addressed all of the concerns from our previous letter to you dated June 26, 2009.

At this time the Planning & Zoning Commission is satisfied with the project as presented and has no additional concerns.

Sincerely,

A handwritten signature in cursive script that reads "Laurence Bradley".

Laurence Bradley, AICP
Planning and Zoning Director

Cc Gordon P. Joseloff, First Selectman
Alicia Mozian, Conservation Director
Steve Edwards, DPW Director
Chris Swann, CL&P

G:\Pnz_off\LARRY B\LT to CT Siting Council on 6 New Creek Road Dec 2009.doc

ACTION MINUTES PLANNING AND ZONING COMMISSION

November 19, 2009

I PUBLIC HEARING

**7:00 P.M.
AUDITORIUM**

- ↙
1. **6 New Creek Road:** Application by Northeast Utilities System for a new electrical substation on property owned by Connecticut Light & Power pursuant to Connecticut General Statute 16-50x (d) with final approval by the Connecticut Siting Council in a Res AAA zone, PID # G06005000

Seated: Ron Corwin, Eleanor Lowenstein, David Press, Howard Lathrop,
Nora Jinishian, Catherine Walsh, Ken DeSanctis

Action: Discussed, hearing closed

2. **25 Waterside Terrace:** §8-24 Request by the First Selectman for a report from the Planning and Zoning Commission regarding the extension of the existing sanitary sewer system to 25 Waterside Terrace, PID #C04002000, Zone AA.

Seated: Ron Corwin, Eleanor Lowenstein, David Press, Howard Lathrop,
Nora Jinishian, Catherine Walsh, Ken DeSanctis

Action: Hearing opened and continued to 12/3/09. No testimony taken

3. **6 Gorham Avenue:** Appl. #09-083 by Peter and Barbara Powell for property owned by Barbara Griffith Powell for a Special Permit and Site Plan approval to convert a detached, historic garage, to a study, bedroom and bathroom pursuant to section 32-18 of the Westport Zoning Regulations, in a Res A zone, PID # C11179000.

Seated: Ron Corwin, Eleanor Lowenstein, David Press, Howard Lathrop,
Nora Jinishian, Catherine Walsh, Ken DeSanctis

Action: Approved

Vote: 4 – 3 {Corwin, Lowenstein, Lathrop, Jinishian} In favor
{Press, Walsh, DeSanctis} Opposed

4. **1835 Post Road East:** Appl. #09-087 by Barr Associates, LLC for property owned by 1835 Post Road East, LLC for a Special Permit and Site Plan approval for a change of use from offices to healthcare professional use with reduction of two parking spaces, in a BPD zone, PID # I09117000.

Seated: Ron Corwin, Eleanor Lowenstein, David Press, Howard Lathrop,
Nora Jinishian, Catherine Walsh, Ken DeSanctis

Action: Approved

Vote: 7 – 0 {Corwin, Lowenstein, Press, Lathrop, Jinishian, Walsh,
DeSanctis}

5. **84 Wilton Road:** Appl. #09-089 by John Kevin Huelster for property owned by Janet Reynolds and Ben Lippard for a CAM Site Plan approval for a new single family dwelling in a Res AA zone, PID # C10071000.

Seated: Ron Corwin, Eleanor Lowenstein, David Press, Howard Lathrop,
Nora Jinishian, Catherine Walsh, Ken DeSanctis

Action: Approved

Vote: 7 – 0 {Corwin, Lowenstein, Press, Lathrop, Jinishian, Walsh,
DeSanctis}

II WORK SESSION

(The following items will be discussed and voted on as time permits. The public may observe the work session but not participate.)

1. Old Business

- a) **Amendment #601:** Appl. #09-077 by Lawrence Weisman for a text amendment to the Westport Zoning Regulations to modify §30 Historic Design District (HDD) to delete language that prohibits office use on the ground floor and deletes language on maximum percentage of office space. The text adds language that requires not less than 10% of the floor area in the HDD be reserved for retail and/or restaurant use.

Seated: Corwin, Press, Lathrop, Walsh, Van Riper, Kasanoff

Action: No action

2. Other Items

- a) **84 Long Lots Road,** Planning and Zoning Resolution #07-016, request for release of bond – **Bond released**

3. New Business

**Westport Conservation Commission
Correspondence**

TO: Conservation Commission
FROM: Lynne Krynicki, Conservation Analyst
DATE: June 9, 2009

RE: Proposed CL&P Sub-station, 6 New Creek Rd.

Currently, the property at 6 New Creek Road is developed with a single family residence. The property is a 2.56 acre parcel with a band of wetlands on the westerly side of the parcel that discharges to a tidal marsh to the south across New Creek Road.

The proposal by the Connecticut Light and Power is to construct a new substation on this parcel which would encompass a 20,610 s.f. area in the eastern portion of the property, just south of the existing transmission line and railroad corridor.

The substation area would be covered with a trap rock surface and secured by a seven-foot high chain link fence topped with one foot of barbed wire. CL&P is proposed to provide extensive landscaping around the Substation perimeter.

The emergent wetland system on site is seasonally inundated with diffuse surface water flows conveyed from north to south. The hydrology for this system likely originates from surface flows and groundwater interception. At the southern end of the wetland system, water flows outlet through a 15 inch reinforced concrete pipe continues beneath New Creek Road and into a tidal salt marsh. The on-site freshwater wetland is not subject to tidal influence due to its elevation and separation from the tidal wetland by a partially clogged culvert.

The Town of Westport is being given an opportunity to supply comments and recommendations to the Connecticut Siting Council with regard to project impact for the proposed CL&P substation at 6 New Creek Road. The reason the project is not coming to the Commission during a formal public hearing under the Regulations for the Protection and Preservation of Wetlands and Watercourses for the Town of Westport is because utilities are exempt from local land use control pursuant to Chapter 277a Section 16-50x

of the Connecticut General Statutes. Instead, these proposals are reviewed by the Connecticut Siting Council who invites local land use agencies to offer recommendations for their consideration of which they could require as conditions of their approval.

A formal presentation of the proposed project will be given by the project engineer from the firm of Vanasse Hangan Brustlin, Inc. at our meeting on June 17th. This will be a public meeting but not a public hearing. Members of the public may be present and will be able to ask questions.

Alicia and I were very happy to have had as many Commissioners available for the site walk on Monday morning. We have prepared a list of our comments and concerns which we formulated from the site walk and review of the plans and would like them to have them serve as discussion points for the meeting on the 17th along with your own. After the meeting, we will gather your comments and recommendations and then prepare a letter for consideration to the Connecticut Siting Council.

Discussion Points for 6 New Creek Road Substation

With regard to prudent and feasible alternatives that we would normally consider:

- 1.** What is the need for an upgrade? Further explain why the existing substation on Post Road cannot be upgraded.
What did the recently and newly installed 345 kv transmission line through Fairfield County do to improve service and why didn't that project solve the public need?
- 2.** The amount of large and mature trees on the site to be removed seems excessive and their removal will eliminate the natural screening of the site that they currently provide. Their removal seems to be necessitated by the proposed screening berms (3) and the proposed entry location off New Creek Road. However, two of the three berms appear to be for screening of the commercial or non-residential uses to the north, east and south.
- 3.** The western berm closest to the wetland is proposed to provide requested screening to the only residence adjacent to the site located on Beachside Avenue. As the residence is at a significantly higher

elevation than the substation, coniferous screening on the easterly property line of the Beachside Avenue property may be a preferred alternative. In this way, their view will be blocked as they look down onto the property below them.

4. The proposed western berm is of concern as it is approximately 20ft at its closest point and approximately 50 ft at its farthest point from the wetland. The landscape position of this berm is a back slope and the slope gradient to the west is approximately 20%. There is a significant potential for erosion of the slopes. Erosion and sediment control is of utmost importance as the wetland discharge is directly to a large, viable tidal marsh across New Creek Rd.
5. As an alternative to the proposed eastern and southern berms, coniferous screening could instead, be installed at the limit of disturbance and/or perhaps along the property line with appropriate species.
6. Given the amount of proposed regrading and the excessive amount of tree removal associated with the berms, it is staff opinion that Low Impact Development principles have not been exercised to their full potential.
7. The proposed removal of 4,012 square feet of impervious area and the replanting of a manicured lawn area with wetland species is commendable. There is currently manicured lawn along a large portion of the westerly edge of the wetland boundary.
8. The proposed construction activity appears to be taking place within the existing septic system area. Proper abandonment or removal of this system, in keeping with the Health Department requirements should be exercised.
9. As an added note, the Substation includes the installation of transformers that would contain insulating (mineral) oil. The transformer equipment would each have secondary containment designed to hold 110% of a transformer's fluid capacity, and accidental spill prevention measures in place. Further, a low oil level alarm would notify CL&P in the event of abnormal conditions.

With regard to additional information that would be helpful in reviewing the proposal:

- 10.** A formal landscape plan for the proposed revegetation (with the exception of the wetland enhancement area) was not submitted with the application package and was not available at the time of the site walk.
- 11.** Details of the proposed retaining wall around the substation perimeter have not been included in the plans.
- 12.** The wetland line as being utilized for this project has been flagged and verified by two wetland scientists. The Town wetland line is not being used as it was more restrictive. Ordinarily, the Town wetland boundary would be amended prior to hearing the development proposal. In this case, the Conservation Department will take on this responsibility and will use the reports submitted by CL&P from two different soil scientists. We ask that CL&P supply us with reports and electronic data to help us with the amendment. The map amendment will be filed by the Town of Westport at its expense as CL&P, a utility company, is exempt from local regulations and requirements.



**Northeast
Utilities System**

107 Selden Street, Berlin, CT 06037
Northeast Utilities Service Company
P.O. Box 270
Hartford, CT 06141-0270

John R. Morissette
Manager – Transmission Siting and Permitting
Tel: (860) 665-2036

June 17, 2009

Ms. Alicia Mozian
Conservation Director
Town of Westport
110 Myrtle Avenue
Westport, CT 06880

**Re: Conservation Analyst Comments
Proposed Sherwood Substation
New Creek Road
Westport, Connecticut**

Dear Ms. Mozian:

The following excerpts are from comments made by Westport Conservation Analyst Lynne Krynicki in a memo dated June 9, 2009. The Connecticut Light and Power Company (CL&P) responses to these comments are provided.

Comment 1: What is the need for an upgrade? Further explain why the existing substation on Post Road cannot be upgraded. What did the recently and newly installed 345 kv transmission line through Fairfield County do to improve service and why didn't that project solve the public need?

Response: The purpose of the project is to increase electric distribution system capacity and improve reliability in the Town of Westport by establishing a new bulk-power substation in the New Creek Road and Greens Farms Road area. CL&P will provide a detailed need statement in the municipal consultation filing and Connecticut Siting Council (CSC) application. The CSC will closely evaluate need issues.

Comment 2: The amount of large and mature trees on the site to be removed seems excessive and their removal will eliminate the natural screening of the site that they currently provide. Their removal seems to be necessitated by the proposed screening berms (3) and the proposed entry location off New Creek Road. However, two of the three berms appear to be for screening of the commercial or non-residential uses to the north, east and south.

Response: Tree removal is a result of grading and earth removal associated with establishing the substation compound, construction and operation access, demolition of the existing house, and connections to existing overhead power lines. Establishing the proposed earthen berms would not require the removal of any additional trees. Several factors influence the final construction and operation work areas, including the extent of the tree canopies with respect to the substation boundary (for safety reasons, CL&P requires a minimum of 10 feet around the substation to be free of obstructions, including limbs); the need for construction lay down areas; sufficient

overhead space for the use of cranes and other equipment with boom arms; and, the installation of a sub-grade grounding grid that can extend up to 15 feet beyond the fence line depending upon soil conditions.

All of the trees located on the west, south and east sides of the proposed substation are deciduous and offer limited screening for approximately half the year. The majority of these deciduous trees are Norway maple, a non-native invasive species, many of which are in declining health, and red oak. The earthen berms are designed to provide textural contouring of the landscaping and offer minimal screening by themselves, and thus could be eliminated. However, their elimination would not reduce the number of trees requiring removal.

Comment 3: The western berm closest to the wetland is proposed to provide requested screening to the only residence adjacent to the site located on Beachside Avenue. As the residence is at a significantly higher elevation than the substation, coniferous screening on the easterly property line of the Beachside Avenue property may be a preferred alternative. In this way, their view will be blocked as they look down onto the property below them.

Response: CL&P is currently engaged in conversations with the westerly neighbor to develop a mutually beneficial landscape plan that would effectively screen the substation from this adjacent property. CL&P believes that, to the extent possible, this neighbor's preferences should receive strong consideration.

Comment 4: The proposed western berm is of concern as it is approximately 20 ft at its closest point and approximately 50 ft at its farthest point from the wetland. The landscape position of this berm is a back slope and the slope gradient to the west is approximately 20%. There is a significant potential for erosion of the slopes. Erosion and sediment control is of utmost importance as the wetland discharge is directly to a large, viable tidal marsh across New Creek Rd.

Response: The westernmost earthen berm is proposed to be located within the approximate footprint of the existing residence and, to a lesser extent, a portion of the bituminous driveway. The net result would be a significant reduction in impervious surface. Further, a minimal area of the berm would drain towards the wetland, as the majority of the berm is designed to pitch eastward, back towards the substation fence, where storm water runoff would be intercepted by the proposed infiltration trench. Once seeded and landscaped, this area would provide a gentler grade than existing conditions farther west, between it and the wetlands. As depicted on the *Proposed Layout Site Development Plan C-3* within the Location Review document, two rows of erosion and sedimentation control measures would be installed to ensure no impacts to wetlands during construction. These controls would remain in place until the entire wetland restoration area has been completely stabilized (i.e., plantings have been successfully established).

Comment 5: As an alternative to the proposed eastern and southern berms, coniferous screening could instead be installed at the limit of disturbance and/or perhaps along the property line with appropriate species.

Response: As depicted on CL&P's proposed landscape concept plan, conifers dominate the proposed plantings, particularly surrounding three sides of the substation, with a foreground planting scheme consisting of low meadow grasses and a mix of understory flowering trees and overstory shade trees extending out towards the property boundary. The coniferous screening

could be extended from the substation out towards the road, if preferable to the Commission. Again, the berms in and of themselves are not intended as screening elements. The berms could be omitted from the design; however, there would be no advantage with respect to decreasing the number of trees requiring removal.

Comment 6: Given the amount of proposed regrading and the excessive amount of tree removal associated with the berms, it is staff opinion that Low Impact Development principles have not been exercised to their full potential.

Response: The limits of clearing associated with regrading and earth removal are necessitated by the existing grades along New Creek Road and the driveway grades required for vehicular truck access to the substation. As explained above, tree removal is a result of the work area required for establishing the compound, its access, demolition of the existing house, and connection to overhead power lines. Establishing the earthen berms does not require the removal of additional trees. In order to minimize impact to the wetlands and surrounding areas during construction, a double row of silt fence and hay bales are proposed. Once construction activities are completed, this upland area (which is currently a lawn and ornamental landscaped slope) would be enhanced by establishing a tall woodland meadow environment (consisting of native grasses and trees). Additionally, a stone trench has been designed to intercept runoff from the compound and infiltrate into the ground. The infiltration trench will prevent runoff from entering directly into the wetlands. The creation of the berm on the western side of the trench would ensure that compound runoff infiltrates through the stone trench instead of flowing into the wetlands.

Comment 7: The proposed removal of 4,012 square feet of impervious area and the replanting of a manicured lawn area with wetland species is commendable. There is currently manicured lawn along a large portion of the westerly edge of the wetland boundary.

Response: The removal of the existing residence and bituminous driveway and subsequent replacing with pervious surface features as well as the substantial landscaping planned for the site collectively result in minimal storm water runoff increases, if any at all, at the site.

Comment 8: The proposed construction activity appears to be taking place within the existing septic system area. Proper abandonment or removal of this system, in keeping with the Health Department requirements should be exercised.

Response: CL&P will consult with the Health Department before abandoning or removing the existing septic system.

Comment 9: As an added note, the Substation includes the installation of transformers that would contain insulating (mineral) oil. The transformer equipment would each have secondary containment designed to hold 110% of a transformer's fluid capacity, and accidental spill prevention measures in place. Further, a low oil level alarm would notify CL&P in the event of abnormal conditions.

Response: CL&P has successfully used these types of containment systems, which are approved by the Connecticut Department of Environmental Protection, at several of its substations throughout Connecticut

With regard to additional information that would be helpful in reviewing the proposal:

1. *A formal landscape plan for the proposed revegetation (with the exception of the wetland enhancement area) was not submitted with the application package and was not available at the time of the site walk.*

CL&P has provided an initial landscape concept plan to the Commission.

2. *Details of the proposed retaining wall around the substation perimeter have not been included in the plans.*

The proposed retaining wall would extend roughly 125 feet along the north side of the substation, adjacent to the rail line. Beginning in the northeast corner at a height of approximately 40 inches above finished grade, the wall would extend westward and slope down to meet existing (and final) grade in the northwest corner. A preliminary detail of the retaining wall is enclosed.


3. *The wetland line as being utilized for this project has been flagged and verified by two wetland scientists. The Town wetland line is not being used as it was more restrictive. Ordinarily, the Town wetland boundary would be amended prior to hearing the development proposal. In this case, the Conservation Department will take on this responsibility and will use the reports submitted by CL&P from two different soil scientists. We ask that CL&P supply us with reports and electronic data to help us with the amendment. The map amendment will be filed by the Town of Westport at its expense as CL&P, a utility company, is exempt from local regulations and requirements.*

The enclosed *Wetland Boundaries* figure, depicting the Town's existing wetland boundary and that of VHB's, was previously submitted to the Town of Westport. The VHB delineation reflects a greater total area than the Town's depiction. As a means of comparison, VHB's delineation encompasses approximately 34,242 square feet while the Town depicts approximately 16,349 square feet. The central portion of the wetland actually extends farther to the east and significantly more to the north than shown on the Town's map, in closer proximity to the substation footprint (see the area of wetland flags 8 through 12 on the attached figure). Therefore, the Town's existing boundary is actually less restrictive than that delineated by VHB. CL&P will coordinate with the Town and provide appropriate reports and electronic data to facilitate the Town's amendment.

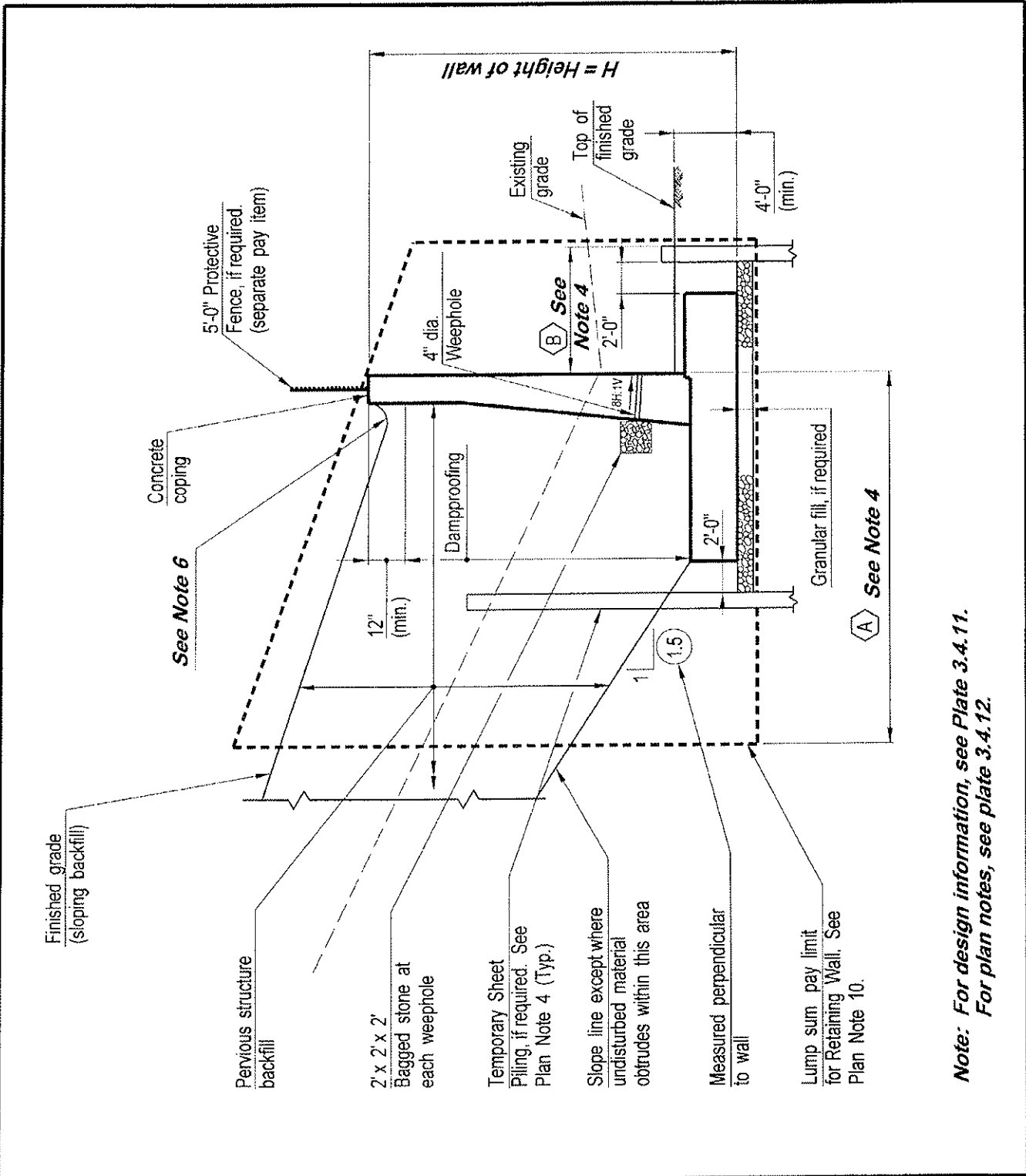
Should you have any questions on this matter, please direct them to Ms. Amanda Mayhew of my staff at 860-665-6953. We look forward to meeting with your Commission on June 17, 2009.

Respectfully submitted,

NORTHEAST UTILITIES SERVICE COMPANY
John R. Morissette

by  _____

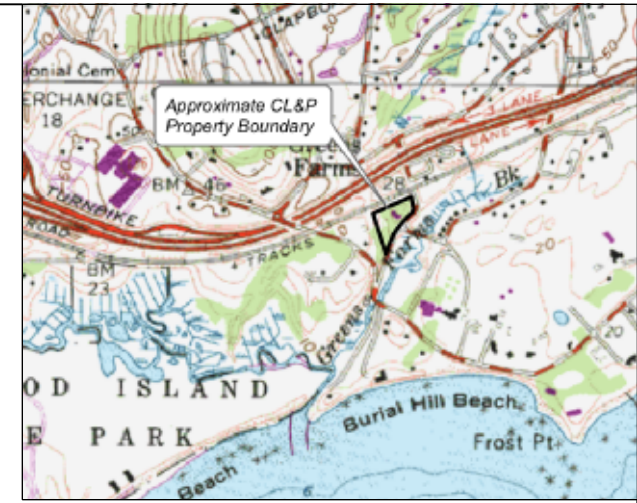
Enclosures



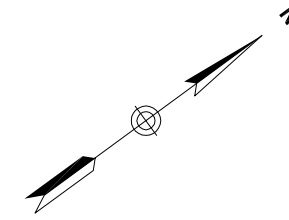
Note: For design information, see Plate 3.4.11.
For plan notes, see plate 3.4.12.

CONNECTICUT BRIDGE DESIGN MANUAL	TYPICAL SECTION CAST-IN-PLACE REINFORCED CONCRETE (SLOPING BACKFILL)	Issue Date: 10/03
		Revision Date:
		Plate Number: 3.4.9c

PRELIMINARY

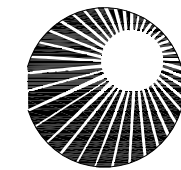
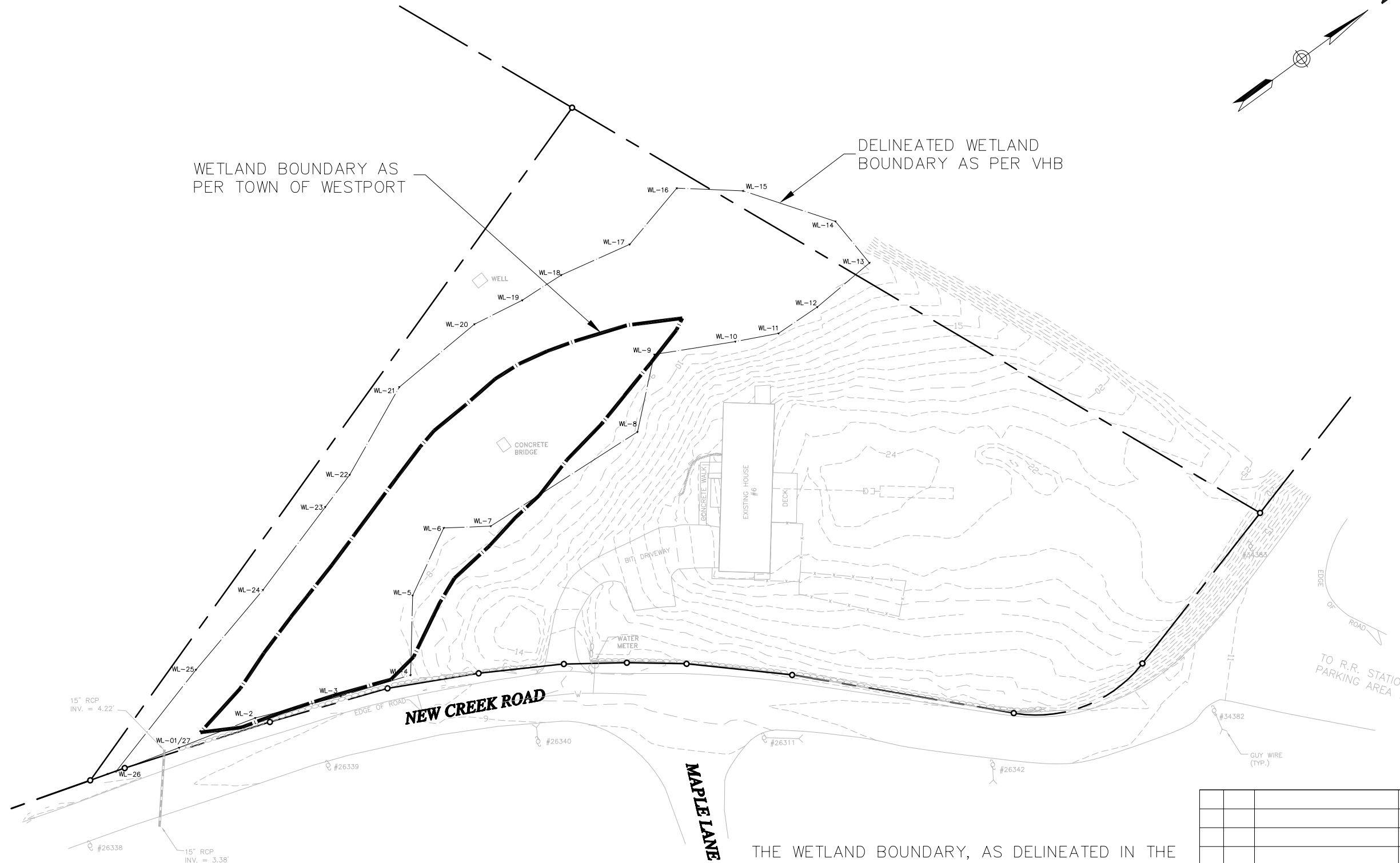


LOCUS MAP
1000 0 1000 2000
SCALE IN FEET



WETLAND BOUNDARY AS PER TOWN OF WESTPORT

DELINEATED WETLAND BOUNDARY AS PER VHB



Connecticut Light & Power

The Northeast Utilities System

VHB Vanasse Hangen Brustlin, Inc.
Transportation • Land Development • Environmental Services
54 Tule Place, Middletown, Connecticut 06457-1847
Tel: 860 632-1500 • Fax: 860 632-7879

PLANS AND SPECIFICATIONS ARE SUBJECT TO REVISIONS PENDING FINAL SITING COUNCIL APPROVAL

THE WETLAND BOUNDARY, AS DELINEATED IN THE FIELD BY VHB, IS DETERMINED IT TO BE SUBSTANTIALLY CORRECT AS SHOWN HEREON.

MATTHEW DAVISON, REGISTERED SOIL SCIENTIST

30 0 30 60
SCALE IN FEET

Northeast Utilities Service Co. FOR CONNECTICUT LIGHT & POWER COMPANY					
TITLE					
SHERWOOD SUBSTATION WETLAND BOUNDARIES					
WESTPORT, CONNECTICUT					
BY	SDK	CHKD	MD	APP	MPL
DATE	MAY 12, 2009	DATE	MAY 12, 2009	DATE	MAY 12, 2009
H-SCALE	1"=30'	SIZE	11x17	FIELD BOOK & PAGES	
V-SCALE	NA	V.S.		R.E.DWG.	
NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP
R.E. PROJ. NUMBER: 41448				NUSCO W-1	



**WESTPORT, CONNECTICUT
CONSERVATION DEPARTMENT**

TOWN HALL - 110 MYRTLE AVENUE
WESTPORT, CONNECTICUT 06880
(203) 341-1170 • FAX (203) 341-1088

July 16, 2009

John R. Morissette
Manager-Transmission Siting and Permitting
107 Belden Street
Berlin, CT 06037

Re: Proposed Sherman Substation, 6 New Creek Rd., Westport, CT

Dear Mr. Morissette:

As requested, the Westport Conservation Commission conducted a field inspection on June 8, 2009 and on June 17, 2009 held a public meeting in which they were presented with the proposed plans for a new substation at 6 New Creek Rd. The minutes of that public meeting are attached for your review. Also included are Conservation Department staff comments to the Commission that were prepared after the site visit. Comments received back from NU were also reviewed by the Commission.

It is our understanding that you will soon be moving into the Municipal Consultation Filing phase of the process at which time revised plans will be submitted to us for review. We are also of the understanding that the proposed landscape plans for the property will most likely be changed to take into considerations concerns and discussions with the abutting residential property owner on Beachside Avenue. We will be withholding formal comments to the Siting Council until these plans have been reviewed.

Thank you for the opportunity to comment.

Sincerely,

Alicia Mozian
Conservation Director

Corr-out/6 New Creek Rd./june 17 mins



**WESTPORT CONNECTICUT
CONSERVATION COMMISSION**

TOWN HALL - 110 MYRTLE AVENUE
WESTPORT, CONNECTICUT 06880
(203) 341-1170 • FAX (203) 341-1153

**MINUTES
WESTPORT CONSERVATION COMMISSION
JUNE 17, 2009**

The June 17, 2009 of the Westport Conservation Commission was called to order at 7:00 p.m. in the Auditorium of the Westport Town Hall.

ATTENDANCE

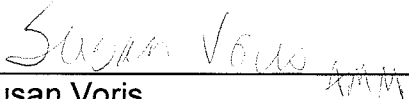
Commission Members:

Gerald Kagan, Vice-Chair
Bill Blaufuss, Alternate
Lanning Bryer
W. Fergus Porter, Alternate
Jennifer Tooker, Alternate

Staff Members:

Lynne Krynicki, Conservation Analyst
Susan Voris, Recording Secretary

This is to certify that these minutes and resolutions were filed with the Westport Town Clerk within 7 days of the June 17, 2009 Public Hearing of the Westport Conservation Commission pursuant to Section 1-225 of the Freedom of Information Act.



Susan Voris
Recording Secretary

Kris Aberg of Northeast Utilities stated the proposal would address the needs of two aging substations and the temporary substation with the construction of this proposed substation. He indicated CL&P purchased the property on New Creek Road because the site is fairly isolated and is adjacent to a transportation area. The proposal calls for two transmission lines coming into the site with two transformers. He stated this would supply a very reliable power source. He added that if one transformer went down the other would be able to accommodate the power needs. He stated the substation would take up 20,000 s.f. The site would be surrounded by a 7' chain link fence topped by 1 foot of barbed wire. He stated they hope to begin work by the end of 2010 and bring the proposed substation online in time for the 2011 summer season.

Mr. Bryer asked about the adjacent neighbors.

Mr. Swan stated they have one neighbor, the Guinta's at 1 Beachside Avenue. Metro North Railroad is the neighbor to the north.

Mr. Kagan asked how the power would be leaving the site.

Mr. Aberg stated the power would leave the site underground to the power lines.

Mr. Swan noted there would be six circuits leaving the site.

Mr. Kagan asked how the circuits would be leaving the site since there are wetlands going through the site.

Mr. Swan stated they are looking for input at this stage. He noted they would not begin site work for 18 months.

Mike Libertine, Environmental Engineer, stated there is a wetland on the west side of the site and is approximately 2/3 of an acre in size. He stated they are currently in the process of establishing the wetland boundary. He stated there would be activity within 75 feet of the wetlands. There will be a 1/2 acre developed under this proposal. The proposal calls for the removal of the existing home and the bituminous asphalt. He stated they are proposing to install landscaping including significant trees and shrubs. He indicated they would be including meadow grass in the landscaping. The plan includes a double row of silt fence and hay bales used to protect the wetlands. He stated the site development would be on the plateau but indicated there will be significant grading.

Mr. Kagan asked if there are any plans to have a biofiltration area off the gravel area.

Mr. Libertine stated the plan would establish an infiltration trench on the western side of the substation. The proposal includes a slight berm pitched back toward the substation to protect the wetlands. He stated that he did not believe there would be drainage issues on this site based on the amount of trap rock being used and since the site is underlain by sand and gravel.

Mr. Kagan asked if there were any PCP's in transformers.

Mr. Libertine stated there are not. He noted there are sumps proposed that would deal with any petroleum leaks and designed to capture 110% of the fluids in transformers.

Mr. Kagan asked if the system would be alarmed.

Mr. Aberg stated there is an alarm to let know if there is an oil pressure change.

Mr. Kagan noted it is a long driveway from the road to the substation gates. He asked if a gate could be installed so that access to the site could be observed.

Mr. Libertine noted this was discussed at the Planning & Zoning meeting. They have committed to incorporating a privacy gate a car length and a half off road. He stated the security gate must be kept in place.

Mr. Bryer noted the number of trees being removed from the site. He asked what would be done to protect the wetlands after the tree removal.

Mr. Libertine stated that all trees in the construction footprint and which overhang the substation have to be removed. He indicated they are committed to saving as many trees as possible. He noted they would be adding substantial plantings for screening including 14' trees. He stated they would stabilize the site during construction and tree removal.

Mr. Kagan asked about the Control and Battery Area.

Mr. Aberg stated there would be two batteries. The batteries would be installed inside a steel building with a concrete footing. He indicated there would be a tray underneath the batteries.

Mr. Swan reviewed the permitting process. He stated the application is in the Locational Review Period through the summer. They plan to file the Municipal Consultation Plan in September to solicit further town comments. They hope to file the final application with the Siting Council in November with hope that they receive approval in summer 2010.

Brian Cleary of 28 Railroad Place noted comments by the applicant that it is rare for there to be issues to be at substations. The applicant stated that battery leakage is rare but the batteries are monitored. He asked what are the impacts of having the substation within 75' of the wetlands and asked if there are any studies to back that up. He asked about the liability issues with the Arby's substation and what happens with that site once the new substation is operational. He questioned whether this proposal is the best solution for Westport.

Mr. Swan stated Mr. Cleary's questions are valid and must be addressed as part of the Siting Council application. He stated the purpose of the meeting was to address the locational review information. He added that all Mr. Cleary's questions would be addressed with filing in Municipal consultation plan. He indicated they were not prepared to address Mr. Cleary's questions at this moment.

Mr. Kagan asked Mr. Cleary to put his comments in writing and submit them to the staff to be included in comments to CL&P, so they may be addressed in the September application to the town.

Mr. Cleary agreed.

Mr. Swan noted they will be meeting with ARB and have met with neighbors. He stated they are definitely looking for comments from the community.

Mr. Porter asked staff if the response from CL&P to the comments made at the field visit was adequate.

Ms. Krynicki indicated the presentation this evening indicates CL&P is in the process of addressing the neighbor's concerns.. She noted the staff and Commission will have an opportunity to review the revised plans and to make formal comments to the Siting Council.

Marianne Barbino Dubuque, attorney for CL&P, stated filing an application with the Siting Council is a three-step process. The first step is the locational review, which is a part of the Public Utilities Act. The next step is the Municipal Review, which allows a 60-day review by the town prior to the final step of submitting an application to the Siting Council. She stated that they are looking for comments and if they have not addressed the concerns raised at the field trip, they need to hear it. She added the comments would be incorporated into the plan. She indicated that once they file the application with the Siting Council, there would be a hearing in Westport to allow public testimony with an



**Northeast
Utilities System**

107 Selden Street, Berlin, CT 06037
Northeast Utilities Service Company
P.O. Box 270
Hartford, CT 06141-0270

John R. Morissette
Manager – Transmission Siting and Permitting
Tel: (860) 665-2036

September 23, 2009

Ms. Alicia Mozian
Conservation Director
Town of Westport
110 Myrtle Avenue
Westport, CT 06880

**Re: Proposed Sherman Substation
New Creek Road
Westport, Connecticut**

Dear Ms. Mozian:

The Connecticut Light and Power Company (CL&P) reviewed the Conservation Commission's minutes from the June 17, 2009 meeting and offers the following responses to issues discussed at that time:

- **Feeders:** In response to Mr. Kagan's question as to how power would leave the site, CL&P indicated that distribution circuits would exit via underground routes. Mr. Kagan then asked where the circuits would be leaving the site since there are wetlands going through the site. CL&P envisions the underground circuits extending from the proposed Substation southward, under the proposed driveway (or under land immediately adjacent to it), and across New Creek Road to interconnect with the existing distribution pole network in the area. As such, no on-site wetland resources would be affected.
- **Erosion and Sedimentation Measures (revised):** The conceptual site plan presented in the Location Review documents included a double row of silt fence and hay bales to protect wetland resources. The two rows of erosion and sedimentation (E&S) measures were designed because of moderate slopes created by incorporation of a landscaping berm on the west side of the Substation. However, in response to the Commission's concerns with respect to a berm in this location, CL&P has elected to eliminate this feature, which ultimately negates a need for the double row of E&S controls. Our revised site plan, which will be presented in the Municipal Consultation Filing, depicts a single row of E&S measures to protect the wetland.
- **Privacy gate:** CL&P has agreed to install a decorative entrance gate along the driveway, as requested by both this Commission and the Town's Architecture Review Board. We expect to present design alternatives and to receive guidance as to the Town's preference.
- **Landscape Plan:** We are still working on the landscaping plan and a revised concept plan will be presented in the Municipal Consultation Filing. At this time, we envision new plantings for screening will be approximately 10 to 12 feet high, at the tallest point.

Please note that although the minutes refer to VHB working on establishing the wetland boundary, in fact the wetland boundary at the site was previously established, verified, and mapped prior to the June 17, 2009 meeting, and that delineation was provided as part of the submission to the Commission. There may have been some confusion at the time of the meeting because CL&P was in the process of providing electronic data to the Town to assist the Commission in establishing updated Town mapping of the parcel.

Finally, as you may recall, Mr. Brian Cleary spoke at the Commission's meeting, at which time he was asked to submit his questions in writing. As of this date, we have not received any questions from Mr. Cleary.

We hope you find this information useful. Should you have any further questions, please direct them to Ms. Amanda Mayhew of my staff at 860-665-6953. We look forward to continuing our working relationship with the Commission.

Respectfully submitted,

NORTHEAST UTILITIES SERVICE COMPANY



John R. Morissette

cc: Mr. Gordon F. Joseloff, First Selectman, Town of Westport

**Westport Planning & Zoning Commission
Correspondence**



WESTPORT CONNECTICUT

PLANNING & ZONING
TOWN HALL, 110 MYRTLE AVENUE
WESTPORT, CONNECTICUT 06880
(203) 341-1030 • (203) 341-1079
(203) 454-6145 - fax

June 26, 2009

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

RE: 6 New Creek Road: Application by Northeast Utilities System for a new electrical substation on property owned by Connecticut Light & Power pursuant to Connecticut General Statute 16-50x (d) with final approval by the Connecticut Siting Council in a Res AAA zone, PID # G06005000

Dear Mr. Phelps:

Pursuant to Connecticut General Statute 16-50x (d) the Westport Planning & Zoning Commission has reviewed the above referenced project and hereby makes the following findings and recommendations:

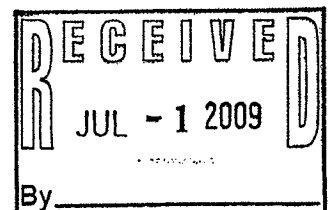
1. Seek a review by the Architecture Review Board for items such as fencing and any proposed structures to help soften the appearance of the proposed facility
2. Enhance landscape screening to further reduce the visual impacts on surrounding properties. They should also minimize to the greatest extent possible the removal of existing natural vegetation.
3. Consider reducing the height of the proposed structures to 40 feet. This would make the proposed improvements more in keeping with the Town's zoning regulations and more in scale with surround residential structures.
4. Have the drainage plans reviewed by the Westport DPW Engineering Dept. to insure that drainage and run-off impacts are minimized.
5. Have the sedimentation and erosion control plan reviewed by the Conservation Commission staff prior to any construction activity on site.

The Westport Planning and Zoning Commission hopes that this comments are helpful and can be incorporated into the final approvals for the project. Thank you for the opportunity to comment on this project.

Sincerely,

Laurence Bradley, AICP
Planning and Zoning Director

Cc: Gordon F. Joseloff, First Selectman
Alicia Mozian, Conservation Director
Steve Edwards, DPW Director
✓Chris Swan, CL&P





**Northeast
Utilities System**

107 Selden Street, Berlin, CT 06037
Northeast Utilities Service Company
P.O. Box 270
Hartford, CT 06141-0270

John R. Morissette
Manager – Transmission Siting and Permitting
Tel: (860) 665-2036

September 23, 2009

Mr. Laurence I. Bradley, AICP
Planning and Zoning Director
Town Hall
110 Myrtle Avenue
Westport, CT 06880

**Re: Proposed Sherman Substation
New Creek Road
Westport, Connecticut**

Dear Mr. Bradley:

In response to comments provided to S. Derek Phelps, Executive Director of the Connecticut Siting Council, in your letter of June 26, 2009, The Connecticut Light & Power Company (“CL&P”) offers the following responses:

1. Seek a review by the Architecture Review Board (ARB) for items such as fencing and any proposed structures to help soften the appearance of the proposed facility.

CL&P met with the ARB on June 14, 2009. The ARB expressed a preference for painting the control enclosures an earth tone color (either brown or green), incorporating dense, tall plantings into the landscaping, and considering a decorative gate for the site entrance. CL&P has agreed to paint the enclosures and install a decorative entrance gate. CL&P is working on the landscaping plan and expects to return to the ARB for further discussions during the Municipal Consultation Filing (MCF) process.

2. Enhance landscape screening to further reduce the visual impacts on surrounding properties...[and] minimize to the greatest extent possible the removal of existing natural vegetation.

The landscaping plan includes dense plantings of numerous native tree and shrub species to provide for screening of the facility. A copy of the CL&P’s revised Concept Planting Plan will be included in the MCF.

Existing trees at the site are characteristic of a suburban landscape and include a mix of mature non-native, planted native, and naturally occurring native tree species. Norway maple, considered non-native and potentially invasive, is the most prevalent species on the site. Efforts to retain or protect existing site trees should be based primarily on tree health with consideration given to species and suitable growing space. An inspection of trees located along the north and west sides of New Creek Road revealed that virtually all trees in

areas near the roadway suffer from defects, various stages of disease, and poor tree form. The high proportion of compromised trees is specific to this area of the site indicating some type of deficient soil condition or disturbance related to historic activities. Resources allocated to protecting and retaining the existing trees in this area would be fruitless. Resources would be more effectively allocated toward identifying and correcting the soil conditions that are causing tree disease in this area. Amending soil conditions and planting appropriate trees in this area will more effectively utilize this growing space and provide the desired screening.

3. Consider reducing the height of the proposed structures to 40 feet.

The height of the line terminal structures within the proposed substation is 40 feet. However, part of the equipment mounted on these structures would extend approximately 4 additional feet above the 40-foot height. This would result in the maximum height of any substation equipment reaching 44.5 feet above grade. Please note that CL&P would be reducing the at-grade elevation in the area where the line terminal structures are installed from an existing 22-foot elevation down to 18 feet or less. The net result is that the top of the highest piece of substation equipment would be no more than 40 feet above the existing grade.

4. Have the drainage plans reviewed by the Westport DPW Engineering Department to insure that drainage and run-off impacts are minimized.

CL&P provided a drainage analysis to Mr. James Kousidis of the Westport DPW Engineering Department for review and comment.


5. Have the sedimentation and erosion control plan reviewed by the Conservation Commission staff prior to any construction activity on the site.

As part of its upcoming MCF, CL&P will include sedimentation and erosion control measures on its Site Plans. As the process continues through Application to the Connecticut Siting Council, the Town will continue to have an opportunity to review and comment on these plans.

We hope you find this information beneficial. Should you have any further questions, please direct them to Ms. Amanda Mayhew of my staff at 860-665-6953. We look forward to continuing our working relationship with the Commission.

Respectfully submitted,

NORTHEAST UTILITIES SERVICE COMPANY



John R. Morissette

cc: Mr. Gordon F. Joseloff, First Selectman, Town of Westport

Application Service List - Sherwood Substation

Local Authorities

Chief Elected Official - Westport

Mr. Gordon F. Joseloff
First Selectman
Town of Westport
110 Myrtle Avenue
Westport, CT 06880

Planning & Zoning Commission

Mr. Laurence I. Bradley, AICP
Director, Planning and Zoning
Town of Westport
110 Myrtle Avenue
Westport, CT 06880

Conservation Commission

Ms. Alicia Mozian
Conservation Director
Town of Westport
110 Myrtle Avenue
Westport, CT 06880

Regional Planning Agency

Dr. Floyd Lapp, FAICP
Exec. Director
South Western Regional Planning Agency
888 Washington Boulevard
Stamford, CT 06901

State Elected Officials

State Senator

Andrea L. Stillman
Legislative Office Building
Room 3600
Hartford, CT 06106-1591

State Representatives

Elizabeth B. Ritter
Legislative Office Building, Room 3004
Hartford, CT 06106-1591

Ed Jutila
Legislative Office Building, Room 4046
Hartford, CT 06106-1591

State Agencies Service List

Attorney General

Attorney General Richard Blumenthal
Office of the Attorney General
55 Elm Street
Hartford, CT 06106

Department of Environmental Protection

Amey Marrella, Commissioner
The Department of Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

Department of Public Health

J. Robert Galvin, M.D., M.P.H., M.B.A., Commissioner
Department of Public Health
410 Capitol Avenue,
Hartford, Connecticut 06134-0308

Council on Environmental Quality

Barbara C. Wagner, Chair
Connecticut Council on Environmental Quality
79 Elm Street
Hartford, CT 06106

Karl J. Wagener, Executive Director
Connecticut Council on Environmental Quality
79 Elm Street
Hartford, CT 06106

Department of Agriculture

F. Philip Prelli, Commissioner
Department of Agriculture
165 Capitol Avenue
Hartford, CT 06106

Department of Public Utility Control

Kevin M. DelGobbo, Chairman
Department of Public Utility Control
Ten Franklin Square
New Britain, CT 06051

Office of Policy and Management

Robert L. Genuario, Secretary
Office of Policy and Management
450 Capitol Avenue
Hartford, CT 06106-1379

Department of Economic and Community Development

Joan McDonald, Commissioner
Department of Economic and Community Development
505 Hudson Street
Hartford, CT 06106

Department of Transportation

Joseph F. Marie, Commissioner
Department of Transportation
2800 Berlin Turnpike
Newington, CT 06131-7546

Department of Emergency Management & Homeland Security

DEMHS
25 Sigourney Street
6th Floor
Hartford, CT 06106-5042

Federal Agencies

Federal Energy Regulatory Commission

Kimberly D. Bose, Secretary
Nathaniel J. Davis, Sr., Acting Deputy Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, DC 20426

Army Corps of Engineers

US Army Corps of Engineers
Attention: Steve Andon, Executive Assistant
New England District
696 Virginia Road
Concord, MA 01742-2751

Others (Courtesy Copies)

Connecticut Energy Advisory Board

Connecticut Energy Advisory Board
c/o Gretchen Deans
CERC
805 Brook Street
Building 4
Rocky Hill, CT 06067

State Archaeologist

Staff Archaeologist
CT Commission on Culture and Tourism
Historic Preservation and Museum Division
One Constitution Plaza
Second Floor
Hartford, CT 06103

Others (Continued)

Westport Public Library

Westport Public Library
Arnold Bernhard Plaza
20 Jesup Road
Westport, CT 06880

Department of Public Works/Engineering

Mr. Stephen J. Edwards, Director
Department of Public Works/Engineering
110 Myrtle Avenue, Room 210
Westport, CT 06880

LEGAL NOTICE

NOTICE OF APPLICATION BY THE CONNECTICUT LIGHT AND POWER COMPANY TO THE CONNECTICUT SITING COUNCIL FOR CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE SHERWOOD SUBSTATION IN WESTPORT, CONNECTICUT

Pursuant to the provisions of § 16-501(b) of the General Statutes of Connecticut, § 16-501-1(e) of the Regulations of Connecticut State Agencies and the Application Guide for Electric Substation Facilities of the Connecticut Siting Council (June 2007), notice is hereby given that The Connecticut Light and Power Company ("CL&P") will, on or about December 28, 2009, submit an application to the Connecticut Siting Council seeking a Certificate of Environmental Compatibility and Public Need for a new substation in Westport, Connecticut, to be known as the Sherwood Substation. The property where the substation is proposed consists of 2.56 acres located at 6 New Creek Road, Westport.

The purpose of the new Sherwood Substation is to provide needed increased distribution system capacity and reliability for the town of Westport.

If the project is approved by the Connecticut Siting Council, construction is projected to begin in fall 2010 with an in-service date in January 2012.

PAID ADVERTISEMENT

NAME	OR CURRENT RESIDENT	ADDRESS	TOWN	STATE	ZIP
Sarah Sheikh	or Current Resident	66 Maple Ln.	Westport	CT	06880-6231
Sarah Sheikh	of Current Resident	64 Maple Ln.	Westport	CT	06880-6231
Mary Pair	or Current Resident	62 Maple Ln.	Westport	CT	06880-6231
Everett Wakeman	or Current Resident	60 Maple Ln	Westport	CT	06880-6231
	Current Residents	56 Maple Lane	Westport	CT	06880-6231
Colleen Murphy	or Current Resident	47 Maple Ln.	Westport	CT	06880-6231
Joseph Rosetti	or Current Resident	45 Maple Ln.	Westport	CT	06880-6231
Maple Lane Property, LLC	of Current Resident	P.O. Box 1417	Chadds Ford	PA	19317
Klaus Soennichsen	or Current Resident	46 Maple Ln.	Westport	CT	06880-6231
Dorothy Hafner	or Current Resident	42 Maple Ln.	Westport	CT	06880-6231
Eugene Schmid	or Current Resident	38 Maple Ln.	Westport	CT	06880-6231
James Laughner	of Current Resident	43 Maple Ln.	Westport	CT	06880-6231
Katherine Morrison	or Current Resident	41 Maple Ln.	Westport	CT	06880-6231
Steven Rudinger	or Current Resident	37 Maple Ln.	Westport	CT	06880-6231
Francis Henkels	or Current Resident	35 Maple Ln.	Westport	CT	06880-6231
Richard Olsen	of Current Resident	34 Maple Ln.	Westport	CT	06880-6231
Prakob Tennenbaum	or Current Resident	31 Maple Ln.	Westport	CT	06880-6231
Lynn de los Santos	or Current Resident	30 Maple Ln.	Westport	CT	06880-6231
Arthur Seifer	or Current Resident	3 Increase Ln.	Westport	CT	06880-6231
Russell Slayback	of Current Resident	4 Increase Ln.	Westport	CT	06880-6231
William Buechler	or Current Resident	6 Increase Ln.	Westport	CT	06880-6231
Francis Lehn	or Current Resident	8 Increase Ln.	Westport	CT	06880-6231
Michael Dedona	of Current Resident	8 Clayton St.	Westport	CT	06880-6231
Elizabeth Mahr	or Current Resident	8A Clayton St.	Westport	CT	06880-6231
Greg Kenney	or Current Resident	10 Clayton St.	Westport	CT	06880-6231
Greens Farms Academy	c/o Janet Hartwell	35 Beachside Ave.	Westport	CT	06880-6231
Robert Giunta	P.O. Box 3491	1 Beachside Ave.	Westport	CT	06880-6231

LEGAL NOTICE

NOTICE OF APPLICATION BY THE CONNECTICUT LIGHT AND POWER COMPANY TO THE CONNECTICUT SITING COUNCIL FOR CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE SHERWOOD SUBSTATION IN WESTPORT, CONNECTICUT

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The purpose of the new Sherwood Substation is to provide needed increased distribution system capacity and reliability for the town of Westport.

If the project is approved by the Connecticut Siting Council, construction is projected to begin in fall 2010 with an in-service date in January 2012.

PAID ADVERTISEMENT



Kevin E. Mankouski
Chair, Stability Task Force

Andrew Kniska
Chair, Transmission Task Force

December 12, 2008

NEPOOL Reliability Committee

Re: Proposed Plan Application for NU System Construction of the Sherwood Substation

Members:

The Northeast Utilities System Companies (“NU”) proposes a project to construct the Sherwood 18P 115/13.8 kV Substation (the “Project”) in Westport, CT that will sectionalize the 1890 Line approximately 0.6 miles from the Sasco Creek Substation. The expected in-service date of the Project is April 2011.

The Project consists of the following additions and modifications:

1. Constructing the proposed 115/13.8 kV Sherwood 18P Substation located in Westport, CT consisting of:
 - a. a 115 kV bus with a 115 kV bus tie circuit breaker with ratings of 2,000 Amp continuous and 40 kA interrupting;
 - b. two (2) transmission line structures with each having a motor operated disconnect switch with a ground switch, a set of three (3) CCVTs, three (3) surge arresters and two (2) vertically mounted manual disconnect switches; and
 - c. two (2) 36/48/60 MVA 115/13.8 kV two-winding transformers with each having an impedance of 14% on a 36 MVA base.
2. Sectionalizing the 1890 Line by looping it into the proposed Sherwood 18P Substation.
3. Installation of two high-speed protection groups utilizing fiber optic communication links for line protection of the resulting three-terminal Sherwood – Norwalk Harbor – Glenbrook transmission line.
4. The transfer of up to 44 MVA of load in aggregate from the Compo, Norwalk, Sasco Creek, and Weston substations.

The Stability Task Force (STF) reviewed the stability analysis of the Project and the Transmission Task Force (TTF) reviewed the steady state and short-circuit analyses of the Project. The STF and TTF agreed that these analyses sufficiently support the required applications for the implementation of the Project under Section I.3.9 of the ISO New England Inc. (ISO-NE) Tariff.

NEPOOL Reliability Committee
December 12, 2008
Page 2 of 2

The STF and TTF agreed to recommend that the Reliability Committee recommends that ISO-NE determine that the implementation of the Project will not have a significant adverse effect on the stability, reliability or operating characteristics of the transmission facilities of NU, the transmission facilities of another Transmission Owner or the system of a Market Participant.

Sincerely,

Kevin E. Mankouski
Chair, Stability Task Force

Andrew Kniska
Chair, Transmission Task Force

cc: Stability Task Force
Transmission Task Force



**Connecticut
Light & Power**

The Northeast Utilities System

The Connecticut Light and Power Company
P.O. Box 270
Hartford, CT 06141-0270
(860) 947-2000
www.cl-p.com

May 19, 2009

Dear Resident:

Connecticut Light & Power (CL&P), part of the Northeast Utilities System, is continuing its work in Westport to improve electric service for customers.

We are in the preliminary stages of planning to build a new electric substation in the New Creek Road and Greens Farms Road areas, which will boost power capacity and help improve service reliability for several thousand Westport customers. Our customers count on us to deliver power when they need it most, especially during the summer, and this project will help us do just that. Substations tap into high-voltage transmission lines connected to power plants and convert power into lower voltage for distribution to local communities, such as yours.

The proposed site for the new electric substation is on New Creek Road, south of the Metro-North Railroad, immediately after the railroad underpass. This location is adjacent to the high-voltage transmission lines that run along the railroad and is large enough for us to enhance the property after construction with new landscaping and vegetative screening.

Please be assured that we are working closely with town officials to design a facility that fits into the surrounding residential neighborhood. The project site plan will be reviewed by Westport's Planning and Zoning Commission on Thursday, June 11, 2009, and the Conservation Commission on Wednesday, June 17, 2009. Both meetings start at 7 p.m. at the Westport Town Hall and are open to the public.

The current project schedule calls for:

- Connecticut Siting Council application filing in late 2009
- Construction to begin in late 2010
- New electric substation in service the first quarter of 2012

For more information on this CL&P project, please call 1-800-793-2202, or write to Frank Poirot at poirotf@nu.com.

Reliability is the foundation of our business and we are always working to enhance our service. We thank you in advance for your patience and cooperation as we work to improve electric service in your neighborhood.

Sincerely,

Chris Swan, Director – Municipal Relations and Siting
Connecticut Light & Power



**Connecticut
Light & Power**

The Northeast Utilities System

February 17, 2009

Mr. James J. Gillies
Director Power Systems
Power Department
420 Lexington Avenue
Graybar 12
New York, New York 10017

Re: Sasco Creek, Westport, CT

Dear Mr. Gillies:

To follow-up your recent discussion with Daniel Garstka, CL&P has identified the need for increased electric system capacity and reliability in the Westport area. At the present time, as you know, CL&P utilizes a portion of property, owned by the State of Connecticut and operated by Metro North, at your Sasco Creek site. We have appreciated Metro North's cooperation to date. We understand that Metro North has taken the position in 2005 and 2006 that CL&P should not be allowed to expand its facilities at Sasco Creek or to use that site on a permanent basis. Nevertheless, due to the passage of time and the absence of any Metro North activities occurring at the Sasco Creek site, and in an effort to fully explore all siting possibilities, we believe it is appropriate to formally renew our request to expand our facilities and use the Sasco Creek site permanently.

In the alternative, we request that CL&P be allowed to maintain a mobile transformer position at the Sasco Creek site for emergency use. In such event, CL&P could temporarily install a trailer mounted transformer at Sasco Creek in response to a system emergency. This would allow CL&P to reduce the facilities that would be necessary at a new substation site and thereby lessen any impacts on the community. We will be pleased to provide you with plan and section drawings showing the proposed mobile transformer position to help you consider our request.

Thank you for your consideration.

Very truly yours,

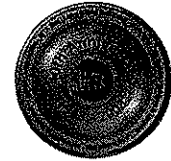
The Connecticut Light and Power Company

By: Raymond Gagnon
Raymond Gagnon
Director, Transmission Projects

Howard Permut
President

1983-2008

25



March 17, 2009

Mr: Raymond Gagnon
Director Transmission Projects
Connecticut Light & Power
PO Box 270
Hartford CT 06141-0270

Re: Sasco Creek Substation

Dear Mr. Gagnon,

Refer to your letter of Feb 17, 2009 and my phone conversation with Mr. Daniel Garstka on the above subject site. Metro North is well aware of CL&P's needs to increase distribution capacity in the Westport area. The issue dates back to a transformer failure at your Greens Farms 22W substation on August 2, 2005. In September of 2005 Mr. Henry O'Brien, Real Estate Analyst for Northeast Utilities contacted my office through Connecticut DOT. with a request to install a "temporary transformer" at the Metro North / CDOT Sasco Creek 51R substation. On September 22, 2005 I wrote to Mr. O'Brien granting permission . (copy attached) It was our understanding from your Don Chamberlain and Richard Servello that this temporary occupancy would be for about 30 months. (That was 54 months ago)

In my Sept 23, 2005 letter I also addressed a request for a long term / permanent use of our facilities. There have been a couple of site plan proposals and equipment layouts circulated however our response remains the same. The 51R site was constructed for the sole purpose of supplying traction power to Metro North in 1985-86. This is a public transportation function. The property and equipment is owned by Connecticut DOT. Metro North is the operator who in turn contracts with CL&P to perform operations & maintenance activities. We will not agree to any long term / permanent use of this site for any purpose other than railroad traction power.

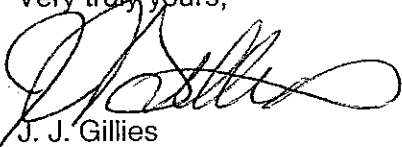
As to your recent request to install / maintain a mobile transformer position at 51R for emergency purposes; we expect the substation to be returned to its original condition once the temporary transformer has been removed. This includes the removal of bus taps, circuit breakers , associated equipment and the wood pole line along our property to

Page 2
Sasco Creek 51R

Please direct the appropriate technical folks at NU to contact my office to begin detail planning if NU decides to peruse the temporary use of the site.

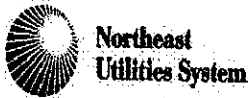
Thank you.

Very truly yours,



J. J. Gillies
Director Power Systems
MTA Metro North RR
420 Lexington Ave
New York, NY 10017

cc: Brad Shaw NU Service Co
F. Torre MNR Power
D. Willard MNR Construction
S. Szegedy CDOT
T. Obey CDOT
D. Murphy CDOT
J. Hom MNR-Engineering



107 Selden Street, Berlin, CT 06037

Northeast Utilities Service Company
P.O. Box 270
Hartford, CT 06141-0270
(860) 665-5000

April 9, 2009

Mr. Eugene J. Colonese
Rail Administrator
CT Department of Transportation
Union Station - 4th Floor West
50 Union Avenue
New Haven, CT 06519

Re: Sasco Creek Substation, Westport

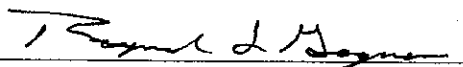
Dear Mr. Colonese:

CL&P is exploring all opportunities to continue to provide reliable electric service in the Westport area. To that end, we requested that Metro-North allow CL&P to permanently maintain its now temporary transformer at Sasco Creek. Metro-North has indicated that it cannot agree to this request. We fully understand Metro-North's position and have appreciated the courtesy that they have extended to us over the years. However, since CDOT is the owner of the property operated by Metro-North, we were advised to consult with CDOT in order to fully exhaust any opportunity at Sasco Creek. Therefore, we would appreciate your review of our request and Metro-North's response (copies included for your convenience) and a written response as to CDOT's position on this matter. We have copied Metro-North on this letter so that they are fully informed.

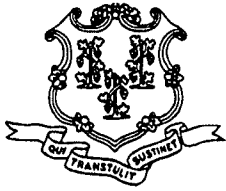
Thank you for your consideration.

Very truly yours,

The Connecticut Light and Power Company

By 
Raymond Gagnon
Director, Transmission Projects

cc: J. Gillies, MNR
K. Aberg, CL&P PM
J. Cochran, Esq., CL&P Legal



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION



2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546

Phone:
(203) 789-7189

September 17, 2009

Mr. Raymond Gagnon
Director, Transmission Projects
Northeast Utilities Service Company
107 Selden Street
Berlin, CT 06037

Dear Mr. Gagnon:

Subject: Sasco Creek Substation, Westport

The Department of Transportation (Department) is aware of Connecticut Light and Power's (CL&P's) need to increase electric system capacity and reliability in the Westport area. In response to this need, the Department has continued to allow CL&P to place a temporary transformer at the Department's Sasco Creek site for emergency use subject to Metro-North Railroad's (MNR's) conditions, licenses, etc.

However, the site was constructed for the sole purpose of supplying traction power to MNR and, as such, the Department must deny your request for a long term or permanent use of the Sasco Creek site.

I trust that this letter will serve to close any further correspondence and/or discussion concerning the Sasco Creek site. Thank you.

Sincerely,

Eugene J. Colonese
Rail Administrator
Bureau of Public Transportation

cc: Mr. James Gillies, Metro-North Railroad