

Site Plans

Issued for:	Siting Council Review
Date Issued:	December 13, 2006
Latest Issue:	December 13, 2006

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Stepstone Substation

Stepstone Hill Road

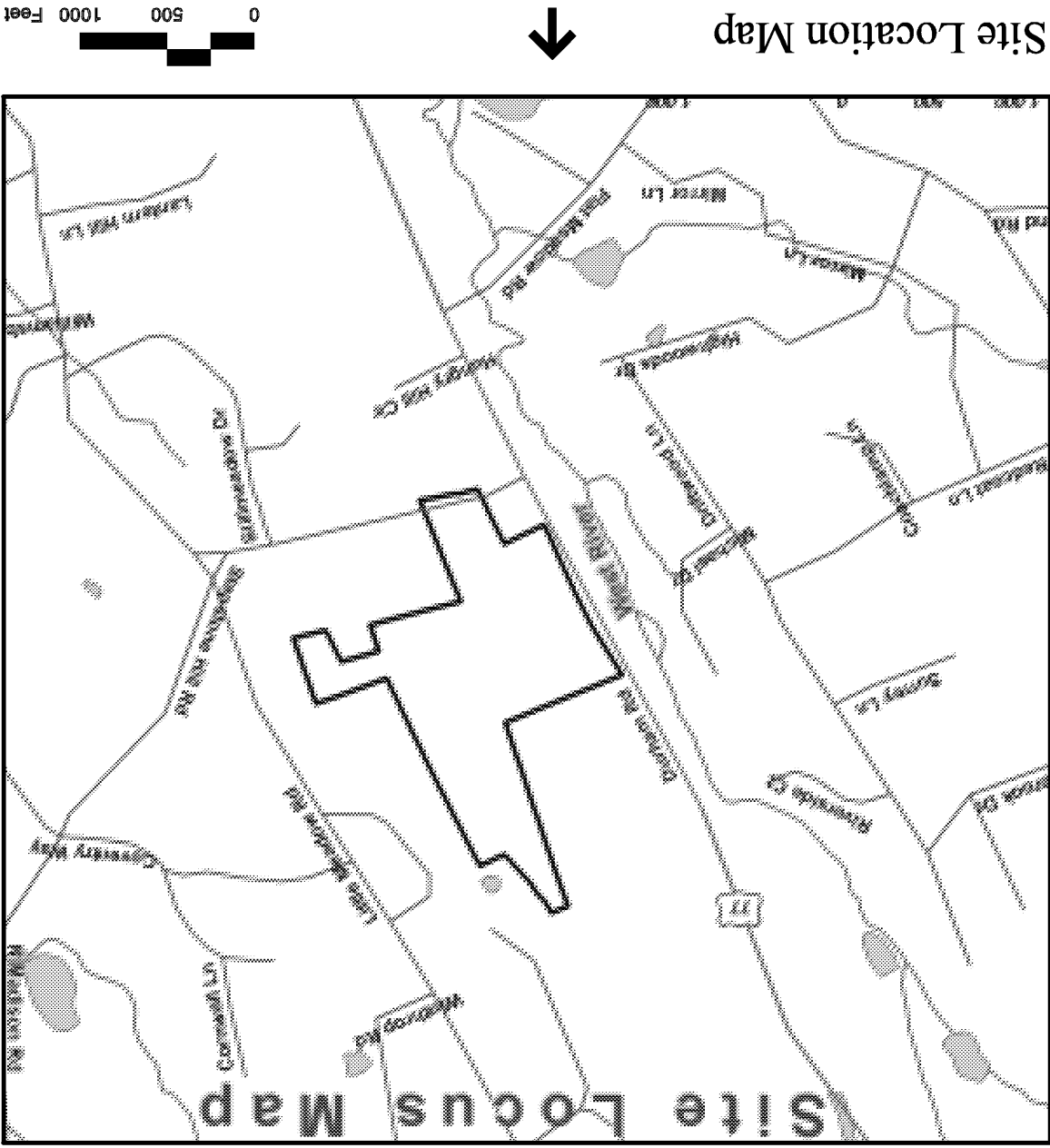
Guilford, Connecticut

Property Information

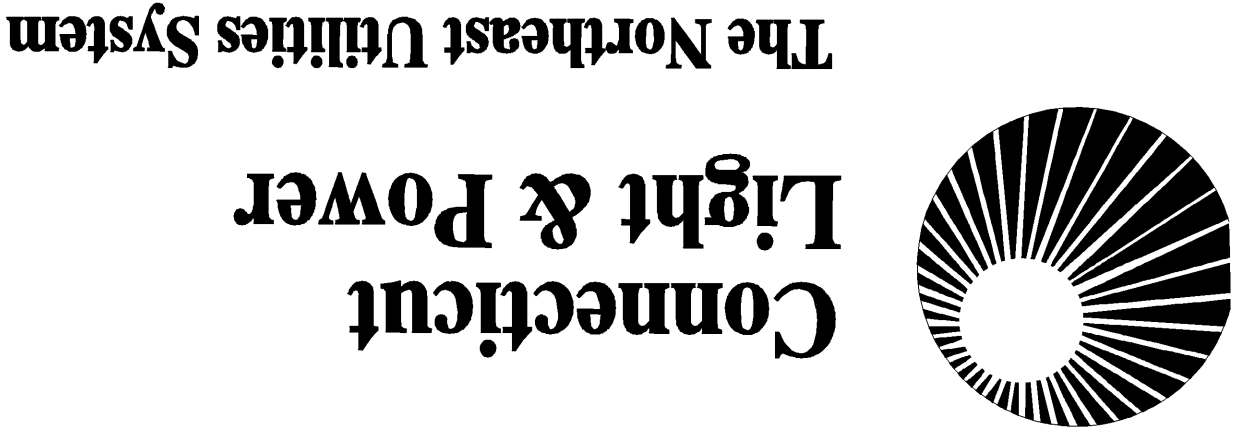
Site:
The Connecticut Light and Power Company
Stepstone Hill Road
Guilford, Connecticut

Applicant:
The Connecticut Light and Power Company
P.O. Box 270
Hartford, Connecticut 061414-0270
(860) 605-5000

Assessor's Plat: Map 91
Lot: 46 and 46A



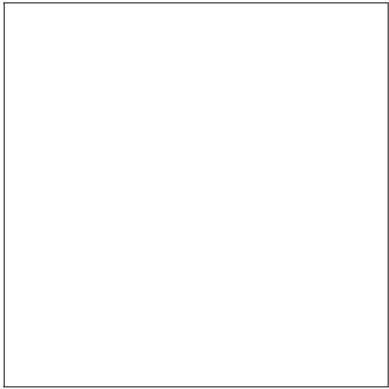
Site Location Map



The Northeast Utilities System



Vannasse Hangen Brustlin, Inc.
Transportation
Land Development
Environmental Services

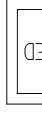
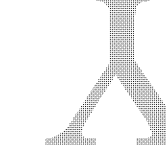


CONCRETE		HEAVY DUTY PAVEMENT		RIPRAP		CONSTRUCTION ENTRANCE	
	45.0 TM 38.5 BM		45.0 TM 38.5 BM		45.0 TM 38.5 BM		45.0 TM 38.5 BM
TOP OF CURB ELEVATION	26.85 BC X	TOP OF CURB ELEVATION	26.85 BC X	TOP OF CURB ELEVATION	26.85 BC X	TOP OF CURB ELEVATION	27.35 TC X
SPOT ELEVATION	132.75 X	SPOT ELEVATION	132.75 X	SPOT ELEVATION	132.75 X	SPOT ELEVATION	132.75 X
TOP & BOTTOM OF WALL ELEVATION		TOP & BOTTOM OF WALL ELEVATION		TOP & BOTTOM OF WALL ELEVATION		TOP & BOTTOM OF WALL ELEVATION	
TEST PIT LOCATION		TEST PIT LOCATION		TEST PIT LOCATION		TEST PIT LOCATION	
MONITORING WELL		MONITORING WELL		MONITORING WELL		MONITORING WELL	
UNDERDRAIN		UNDERDRAIN		UNDERDRAIN		UNDERDRAIN	
DRAIN		DRAIN		DRAIN		DRAIN	
ROOF DRAIN		ROOF DRAIN		ROOF DRAIN		ROOF DRAIN	
SEWER		SEWER		SEWER		SEWER	
FORCE MAIN		FORCE MAIN		FORCE MAIN		FORCE MAIN	
OVERHEAD WIRE		OVERHEAD WIRE		OVERHEAD WIRE		OVERHEAD WIRE	
WATER		WATER		WATER		WATER	
FIRE PROTECTION		FIRE PROTECTION		FIRE PROTECTION		FIRE PROTECTION	
DOMESTIC WATER		DOMESTIC WATER		DOMESTIC WATER		DOMESTIC WATER	
GAS		GAS		GAS		GAS	
ELECTRIC		ELECTRIC		ELECTRIC		ELECTRIC	
TELEPHONE		TELEPHONE		TELEPHONE		TELEPHONE	
FIRE ALARM		FIRE ALARM		FIRE ALARM		FIRE ALARM	
CABLE TV		CABLE TV		CABLE TV		CABLE TV	
CATCH BASIN		CATCH BASIN		CATCH BASIN		CATCH BASIN	
DOUBLE CATCH BASIN		DOUBLE CATCH BASIN		DOUBLE CATCH BASIN		DOUBLE CATCH BASIN	
GUTTER INLET		GUTTER INLET		GUTTER INLET		GUTTER INLET	
DRAIN MANHOLE		DRAIN MANHOLE		DRAIN MANHOLE		DRAIN MANHOLE	
TRENCH DRAIN		TRENCH DRAIN		TRENCH DRAIN		TRENCH DRAIN	
CLEANOUT		CLEANOUT		CLEANOUT		CLEANOUT	
FLARED END SECTION		FLARED END SECTION		FLARED END SECTION		FLARED END SECTION	
HEADWALL		HEADWALL		HEADWALL		HEADWALL	
SEWER STOP & BOX		SEWER STOP & BOX		SEWER STOP & BOX		SEWER STOP & BOX	
WATER VALVE & BOX		WATER VALVE & BOX		WATER VALVE & BOX		WATER VALVE & BOX	
TAPPING SLEEVE, VALVE & BOX		TAPPING SLEEVE, VALVE & BOX		TAPPING SLEEVE, VALVE & BOX		TAPPING SLEEVE, VALVE & BOX	
SAME-SE CONNECTION		SAME-SE CONNECTION		SAME-SE CONNECTION		SAME-SE CONNECTION	
FIRE HYDRANT		FIRE HYDRANT		FIRE HYDRANT		FIRE HYDRANT	
WATER METER		WATER METER		WATER METER		WATER METER	
POST INDICATOR VALVE		POST INDICATOR VALVE		POST INDICATOR VALVE		POST INDICATOR VALVE	
WATER WELL		WATER WELL		WATER WELL		WATER WELL	
GAS GATE		GAS GATE		GAS GATE		GAS GATE	
GAS METER		GAS METER		GAS METER		GAS METER	
ELECTRIC MANHOLE		ELECTRIC MANHOLE		ELECTRIC MANHOLE		ELECTRIC MANHOLE	
ELECTRIC METER		ELECTRIC METER		ELECTRIC METER		ELECTRIC METER	
LIGHT POLE		LIGHT POLE		LIGHT POLE		LIGHT POLE	
TELEPHONE MANHOLE		TELEPHONE MANHOLE		TELEPHONE MANHOLE		TELEPHONE MANHOLE	
TRANSFORMER PAD		TRANSFORMER PAD		TRANSFORMER PAD		TRANSFORMER PAD	
UTILITY POLE		UTILITY POLE		UTILITY POLE		UTILITY POLE	
GUY POLE		GUY POLE		GUY POLE		GUY POLE	
GUY WIRE & ANCHOR		GUY WIRE & ANCHOR		GUY WIRE & ANCHOR		GUY WIRE & ANCHOR	
HAND HOLE		HAND HOLE		HAND HOLE		HAND HOLE	
PULL BOX		PULL BOX		PULL BOX		PULL BOX	

Legend

1. CONTRACTOR SHALL NOTIFY CALL BEFORE YOU DIG (1-800-922-4455) AT LEAST 72 HOURS BEFORE EXCAVATING.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY, CONSTRUCTION ACTIVITIES AND REGULATIONS (WHICHEVER ARE MORE STRINGENT).
3. ACCESSIBLE ROUTES, PARKING SPACES, SIDEWALKS AND WALKWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST DISABILITY ACT AND WITH STATE AND LOCAL LAWS AND REGULATIONS WITH THE FEELER BARS.
4. AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, DRIVEWAYS, PARKINGS, ETC.) SHALL RECEIVE 6 INCHES LOAM AND SEED.
5. WITHIN THE LIMITS OF THE BUILDING FOOTPRINT, THE SITE CONTRACTOR SHALL PERFORM EARTHWORK OPERATIONS REQUIRED UP TO SUBGRADE ELEVATIONS.
6. WORK WITHIN THE LOCAL RIGHTS-OF-WAY SHALL CONFORM TO LOCAL MUNICIPAL STANDARDS, WORK DEPARTMENTS STANDARDS AND SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
7. BEFORE ANY CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE BRACKINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS DO NOT LOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, AND FIRE HYDRANTS, WITHOUT APPROPRIATE PERMITS.
8. TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
9. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
10. IN THE EVENT THAT SUSPECTED CONTAMINATED SOIL, GROUNDWATER, AND OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION ACTIVITIES BASED ON VISUAL, OLFACATORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
11. CONTRACTOR SHALL PREVENT DUST, SEDIMENT AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURS.
12. DAMAGE RESULTING FROM CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
13. CONTRACTOR SHALL CONTROL STORMWATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO ADJACENT AREAS, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGE, IF ANY, AT NO COST TO OWNER.
14. THE PROJECT DISTURBS MORE THAN ONE ACRE OF LAND AND FALLS WITHIN THE SPDES CONSTRUCTION GENERAL PERMIT (GPP) PROGRAM AND EPA JURISDICTION, PRIOR TO THE START OF CONSTRUCTION CONTRACTOR IS TO FILE A GPP NOTICE OF INTENT WITH THE EPA AND PREPARE A STORMWATER POLLUTION PREVENTION PLAN IN ACCORDANCE WITH THE SPDES REGULATIONS. CONTRACTOR SHALL CONTRA THE OWNER HAS ALSO FILED A NOTICE OF INTENT WITH THE EPA.
1. THE LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITIES ARE SHOWN AS AN APPROXIMATE INFORMATION AS SHOWN ON THE PLANS. THE UTILITY INFORMATION SHOWN DOES NOT GUARANTEE THIS AGAINST THE POSSIBILITY THAT OTHER UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE PLANS. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE OWNER'S REPRESENTATIVE FOR THE PROPOSED WORK, OR EXISTING CONDITIONS WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, OR EXISTING CONDITIONS SHALL BE RESOLVED FROM DISPUTATIONS FOR ADDITIONAL PAYMENTS WHICH OTHERWISE MAY BE WARRANTED TO RESOLVE THE CONFLICT.
3. SECT BASHES AND VERTICES OF SEWERS, DRAINS, AND DITCHES IN ACCORDANCE WITH ELEVATIONS ON THE GRADING AND UTILITY PLANS.
4. REM ELEVATIONS FOR DRAIN AND SEWER MANHOLES, WATER VALVE COVERS, GAS GATES, ELECTRIC AND SET/RESET AS FOLLOWS:
 - A. PAVEMENTS AND CONCRETE SURFACES: FLUSH
 - B. ALL SURFACES ALONG ACCESSIBLE ROUTES: FLUSH
 - C. LANDSCAPE, LOAM AND SEED, AND OTHER EARTH SURFACE AREAS: ONE INCH ABOVE SURROUNDING AREA AND TAPER EARTH TO THE RIM ELEVATION.
5. THE LOCATION, SIZE, DEPTH, AND SPECIFICATIONS FOR CONSTRUCTION OF PROPOSED PRIVATE UTILITY SERVICES SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY, THE UTILITY CONTRACTOR SHALL MAKE ARRANGEMENTS FOR AND SHALL BE RESPONSIBLE FOR PAYING FEES FOR POLE RELOCATION AND FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE, FIRE ALARM, AND ANY OTHER PRIVATE UTILITIES, WHETHER WORK IS PERFORMED BY CONTRACTOR OR BY THE UTILITY COMPANY.
6. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR AND SHALL BE RESPONSIBLE FOR PAYING FEES FOR POLE RELOCATION AND FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE, FIRE ALARM, AND ANY OTHER PRIVATE UTILITIES, WHETHER WORK IS PERFORMED BY CONTRACTOR OR BY THE UTILITY COMPANY.
7. UTILITY PIPE MATERIALS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLAN.
 - A. SANITARY SEWER PIPES SHALL BE POLYVINYL CHLORIDE (PVC) SEWER PIPE
 - C. STORM DRAINAGE PIPES SHALL BE CLASS IV RCP.
8. SITE CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR AND SHALL FURNISH EXCAVATION, INSTALLATION, AND BACKFILL OF ELECTRICAL NETWORK RELATED ITEMS SUCH AS PULL BOXES, CONDUITS, DUCT BANKS, AND CONCRETE PADS. SITE CONTRACTOR SHALL FURNISH THE BRACKINGS.
9. SITE CONTRACTOR SHALL EXCAVATE AND BACKFILL TRENCHES FOR GAS IN ACCORDANCE WITH GAS COMPANIES' REQUIREMENTS.
10. ALL DRAINAGE AND SANITARY STRUCTURE INTERIOR DIAMETERS (ø MIN.) SHALL BE DETERMINED BY THE MANUFACTURER BASED ON THE PIPE CONFIGURATIONS SHOWN ON THESE PLANS. FOR MANHOLES THAT ARE 20 FEET IN DEPTH AND GREATER, THE MINIMUM DIAMETER SHALL BE 5 FEET.

Abbreviations	N
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		DWG. NO.	C-1
	DATE		
	APP		
d, Connecticut ne Substation d General Notes			
LIGHT & POWER COMPANY			
ILITIES SERVICE CO.			
			
			
Hangen Brustlin, Inc. Development • Environmental Services town, Connecticut 06457-1847 Tel: 860.632.7879			
E SUBJECT TO G COUNCIL			

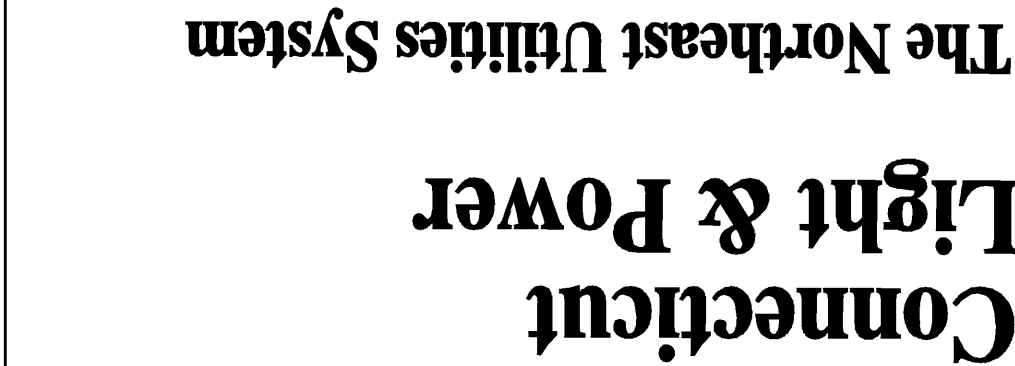
Notes:

860 632-7879

UNITED STATES SERVICE CO.

GENERAL NOTES

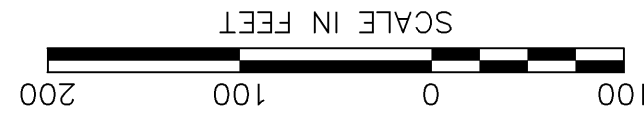
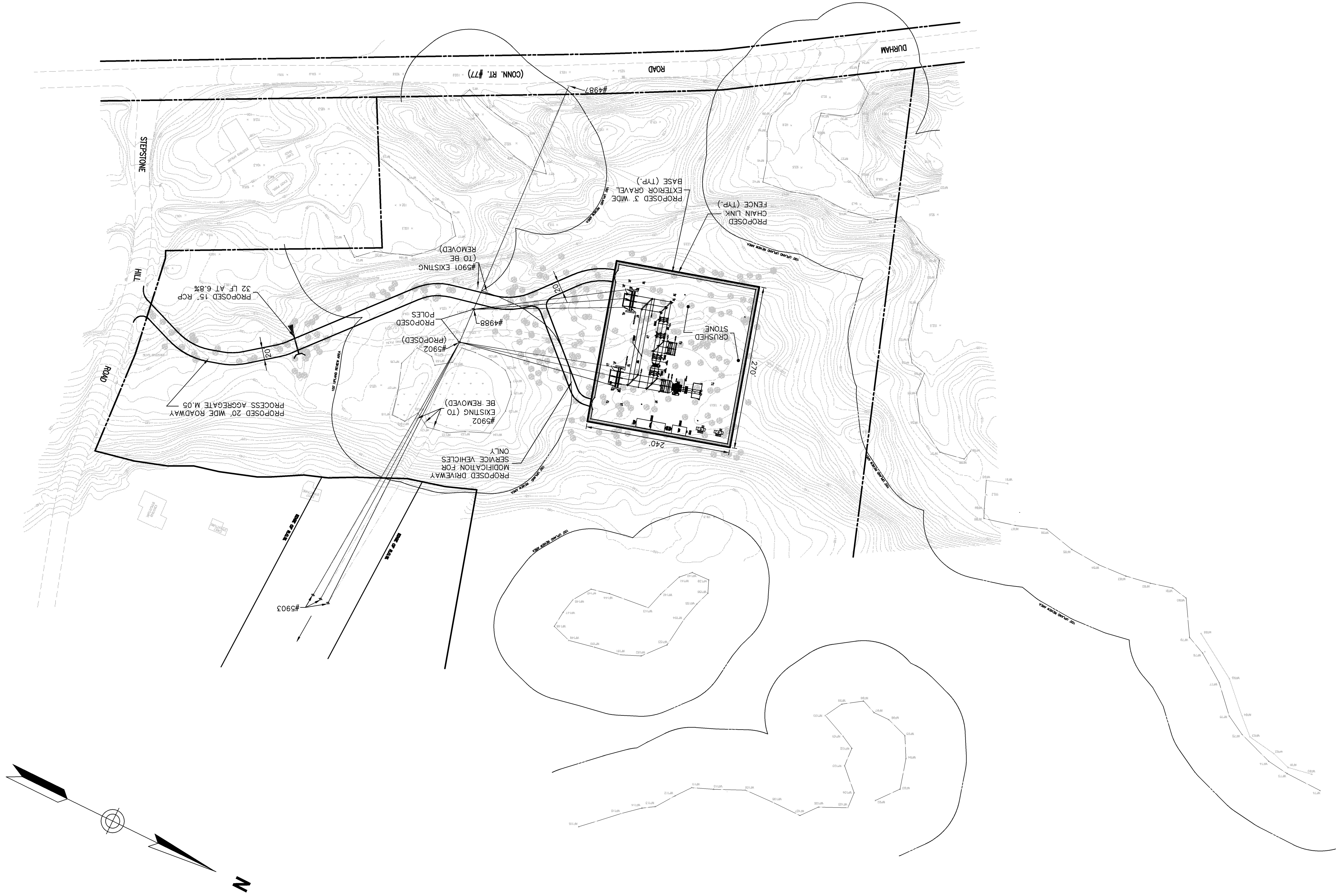
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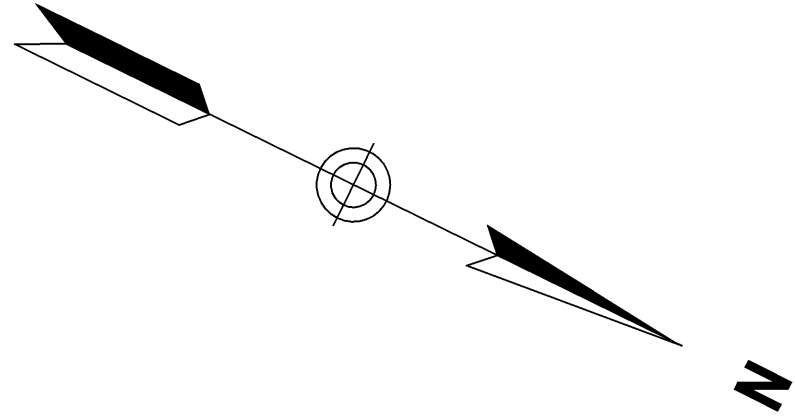
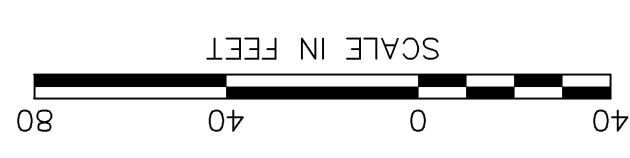
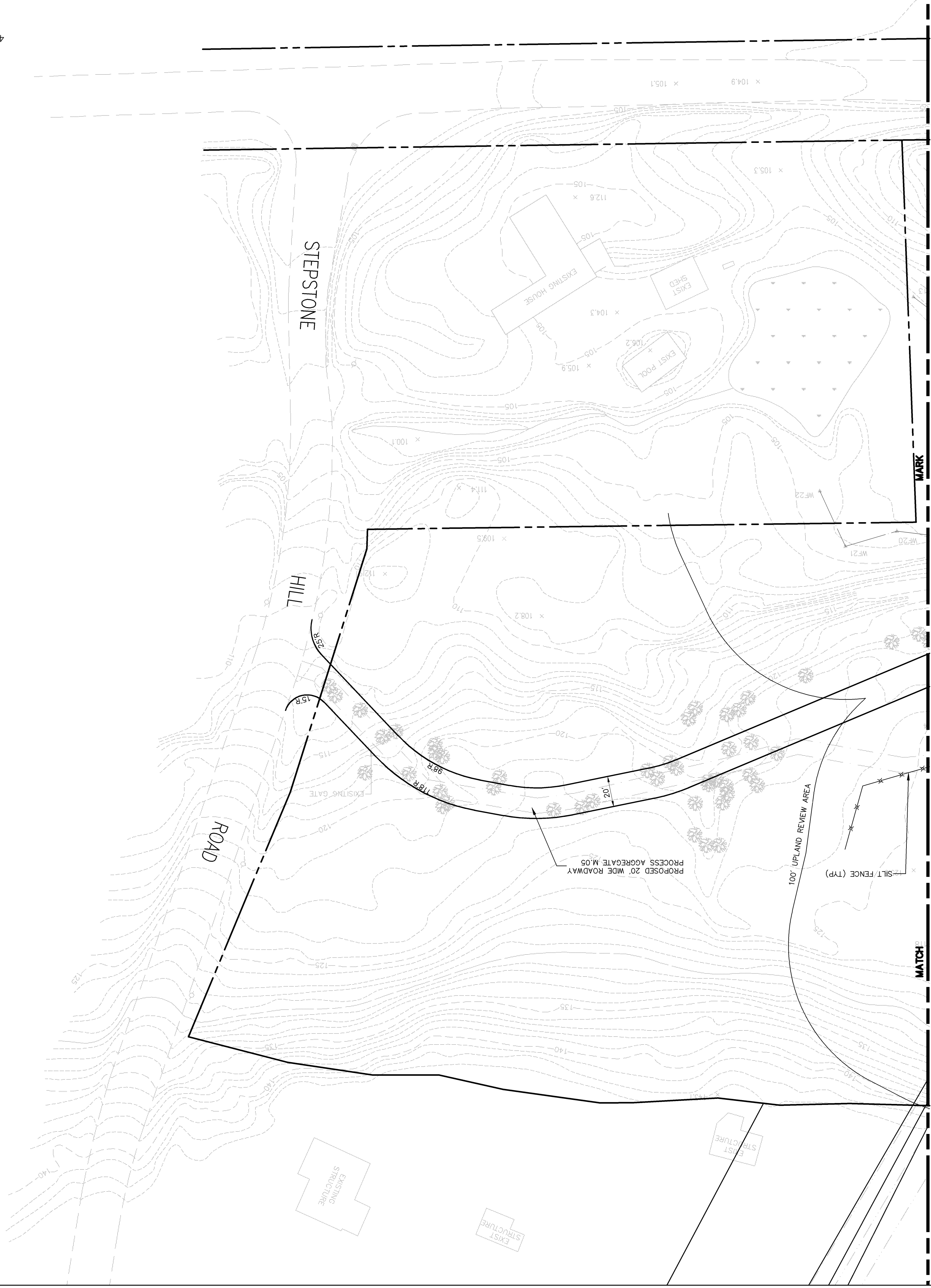


PLANS AND SPECIFICATIONS ARE SUBJECT TO
REVISIONS PENDING FINAL SITING COUNCIL
APPROVAL

PRELIMINARY

CAD
GENERATED
DWG

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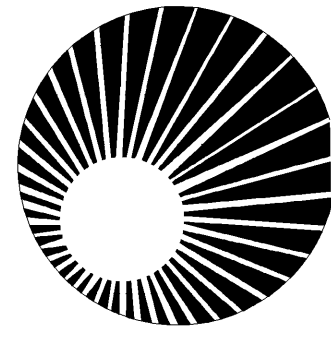
TREES TO BE REMOVED
(6" DBH OR GREATER -
256 TREES)

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



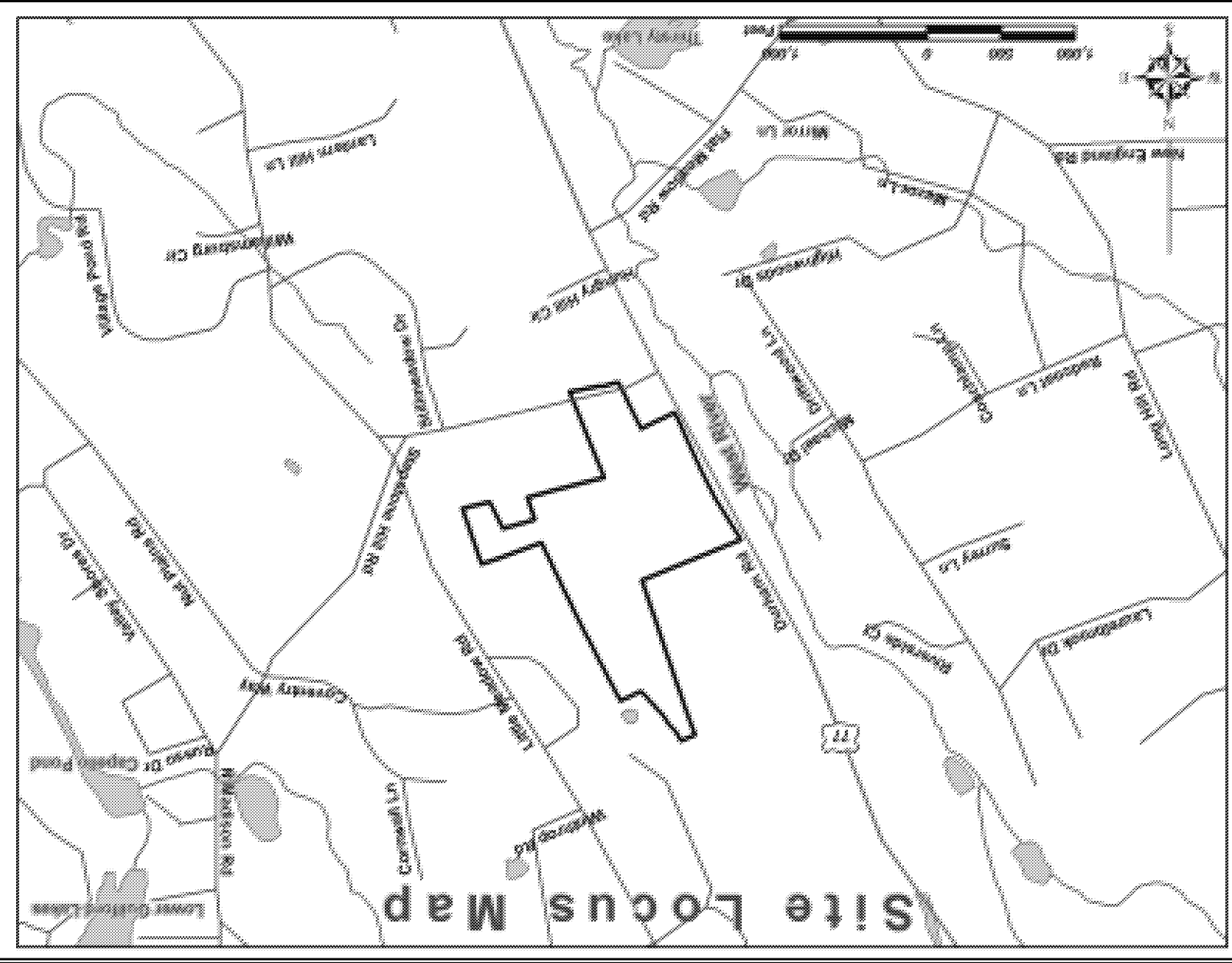
Vanasse Hangen Brustlin, Inc.
Transportation • Land Development • Environmental Services
54 Turtle Place, Middletown, Connecticut 06457-1847
Tel: 860 632-1500 • Fax: 860 632-7879

PRELIMINARY

[illegible]

Connecticut Light & Power

The Northeast Utilities System

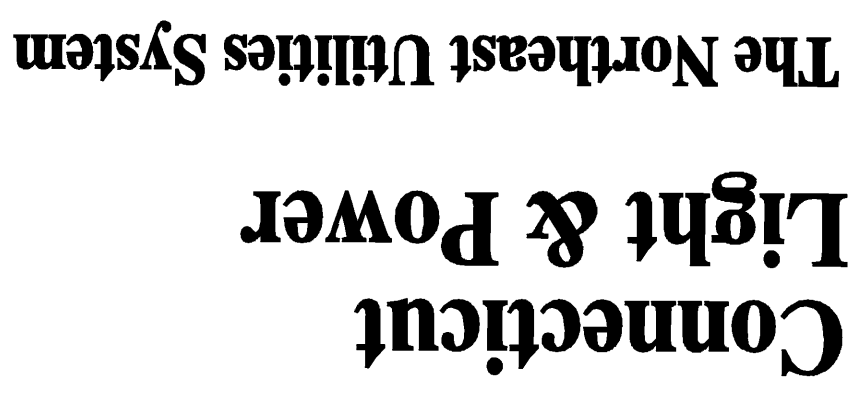
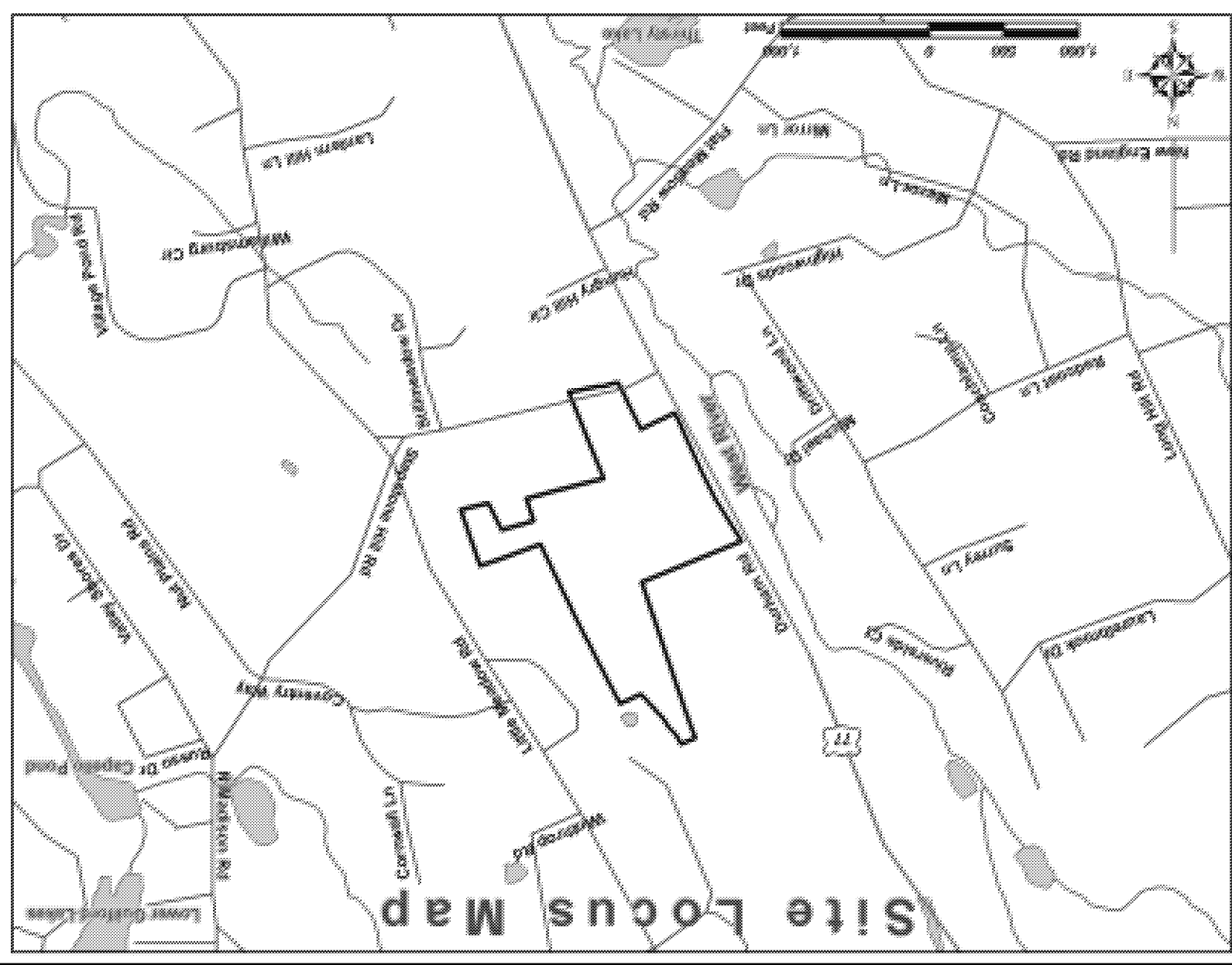
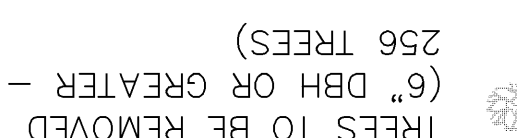




PLANS AND SPECIFICATIONS ARE SUBJECT TO REVISIONS PENDING FINAL SITING COUNCIL APPROVAL

PRELIMINARY

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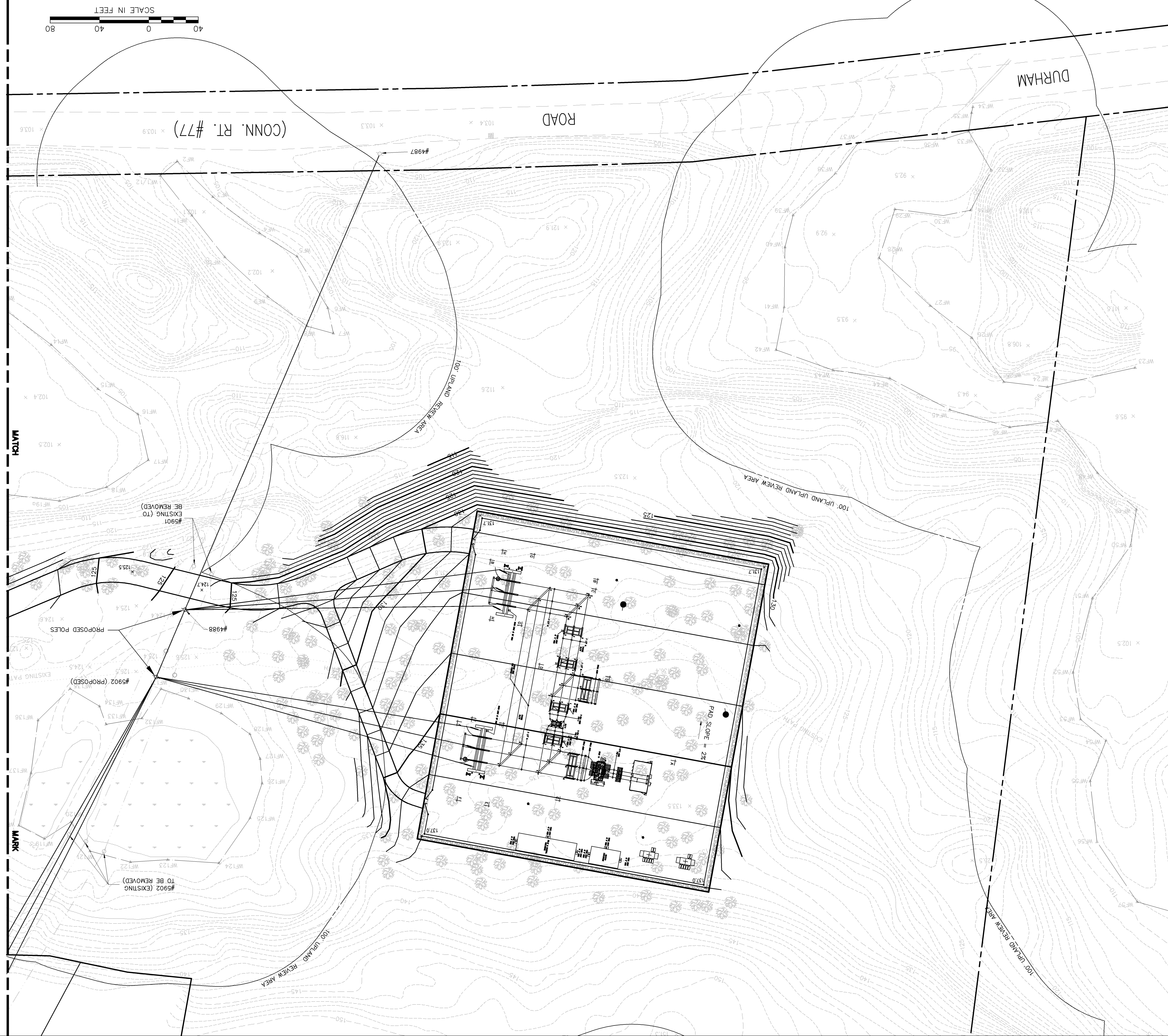


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PRELIMINARY



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

[illegible]

[illegible]

PARCEL LIES WITHIN ZONE C (AREA OF MINIMUM
FLOODING AS SHOWN ON THE FLOOD INSURANCE
RATE MAP FOR THE TOWN OF GUILFORD,
CONNECTICUT COMMUNITY PANEL NUMBER
090077 0010B, EFFECTIVE DATE AUGUST 19,
1986).
THE WETLANDS SHOWN ON THIS PLAN WERE
IDENTIFIED BY VHB, INC., AND FIELD SURVEYED
BY VHB IN 2006.

No.	
Revised by	
Drawn by	
Checked by	
Date	
Appvd	
Approved by	
Date	December 13, 2006
Scale	1"=60'
CAD checked by	
Scale	1"=60'

Stepstone Hill Road
Guilford, Connecticut

Drawing Title

Drawing Number

