

November 4, 2015

John Morissette
Project Manager – Transmission Siting
Tel: (860) 728-4532

Robert Stein, Chairman
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

Re: Petition No. 1154 - Haddam Substation Modifications
Amendment to Petition

Dear Chairman Stein:

On June 15, 2015, the Connecticut Siting Council (“Council”) granted a declaratory ruling that a Certificate of Environmental Compatibility and Public Need would not be required for the work proposed by The Connecticut Light and Power Company doing business as Eversource Energy (“Eversource”) in Petition No. 1154. In connection with the above-referenced matter, Eversource seeks an amendment to Petition No. 1154. Specifically, since the Haddam Substation Project (“Project”) received approval from the Council, detailed design engineering has resulted in three modifications to the General Arrangement drawing and a modification to the substation access from Route 154. The modifications are described below and highlighted on the revised General Arrangement drawing attached.

- 1) **New Autotransformer area modifications:** The spacing required between blast walls and the new autotransformers increased by 5.25 feet to provide for adequate cooling. This increased spacing resulted in the following changes:
 - The proposed fence line to the Northeast of the new transformers has been modified to be on a diagonal in lieu of the right angle alignment originally proposed.
 - An additional lightning protection mast is required bringing the total number of masts being added for the Project to five (5).
- 2) **Existing 345kV bus modifications:** Modifications to the existing bus work and support structures for the existing autotransformer are required to support the loading requirements for the new substation configuration and bring them up to current codes and standards. Originally, it was thought that the existing structure could support the additional loading without modification.
- 3) **Landscape access gate:** An access gate has been added to the South end of the substation to allow for access to the landscaping in front along the new retaining wall.
- 4) **Substation access from Route 154:** During initial construction of the modifications it was determined that the a portion of the access road to the substation from Route 154, which had been installed by the Town of Haddam, was found to be encroaching on an abutting property to the South. Eversource attempted to negotiate an acquisition of access rights from the abutting property owner but was unable to reach agreement. Thus, the access onto Route 154 is being relocated approximately 50 feet to the North and the remaining portion of the access road will also be relocated to the North, so that the road will be entirely on Eversource property and Town of Haddam property. The relocation has been closely coordinated with the Town of Haddam

and has received approval from the ConnDOT. The relocation will not impact any wetlands.
See attached ConnDOT Permit for details.

Attached are an original and fifteen (15) copies.

Sincerely,

A handwritten signature in black ink, appearing to read "John Morissette". The signature is stylized and cursive.

John Morissette
Project Manager – Transmission Siting

Attachment: General Arrangement Drawing
ConnDOT Permit Application and Approval

cc: First Selectman Melissa Schlag, Town of Haddam



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY OPERATIONS AND
MAINTENANCE

Date: <u>September 29, 2015</u>	PMT-1 Rev. 10/13 State of Connecticut Department of Transportation APPLICATION FOR PERMIT	Application form must be filled in completely and mailed or delivered to the corresponding District Office for the subject town.
Fee: (for DOT use)		

LOCATION OF PROPOSED WORK:

(a) Town Haddam (b) Route 154 (c) Street Name & No. Saybrook Road
 (d) (Circle One) N. S. E. W. side of Highway (e) Located Between Utility Poles No. & No.
 (f) Distance and direction from nearest intersecting road Miles (N. S. E. W.) of (St/Rd)

Application is hereby made to: (Describe fully & include sketch or attach plans)

Please see the attached map, drawing and description.

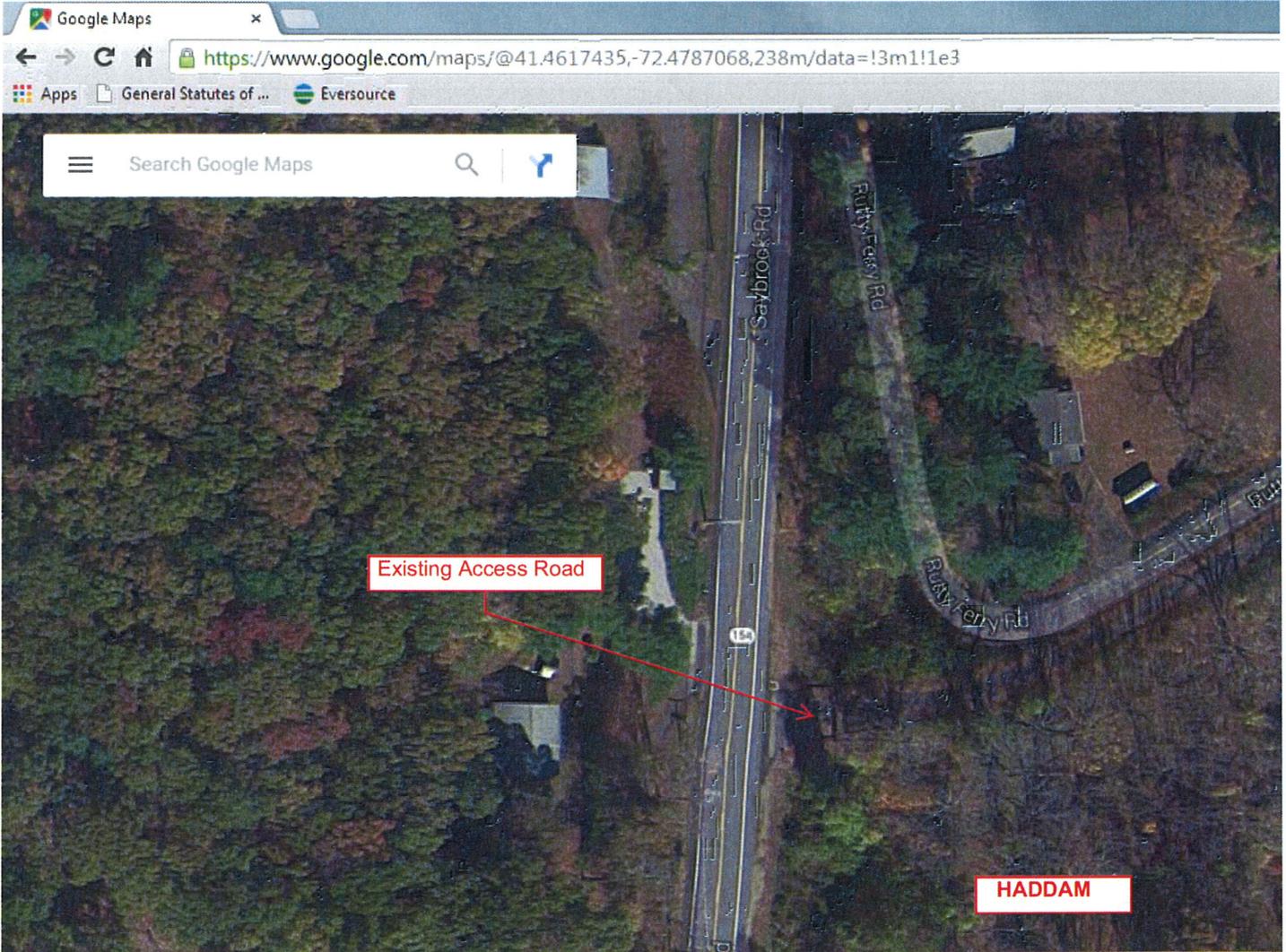
PLEASE SEND THE PERMIT TO JOHN MORISSETTE'S ATTENTION.

PERMIT FEE can be paid only by check or money order payable to Treasurer- State of Conn.

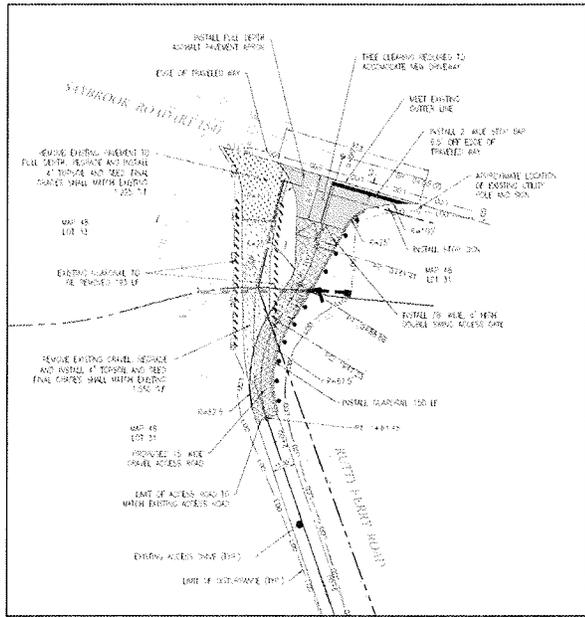
<p>Name of Surety Company & amount of Bond <u> </u></p> <p>Party whom Bond is issued: Print Name <u>N/A</u></p> <p>Signed _____ Phone _____</p> <p>Party to whom Insurance is issued: Print Name <u>N/A</u></p> <p>Signed _____</p> <p>Approximate Time Required _____ Desired Starting Date _____ <u>See attached description.</u></p> <p>Complete Plans and Specifications must be submitted for major encroachment permits. On other work a careful sketch shall be shown on space above or on back side of application.</p>	<p>Permit to be issued to: Name <u>The Connecticut Light and Power Company</u> & <u>doing business as Eversource Energy</u></p> <p>Address <u>56 Prospect Street</u></p> <p>Town <u>Hartford</u> ZIP <u>06103</u></p> <p>The owner of the property for whom this work is being performed agrees to accept all future maintenance responsibility for the work specified in the permit.</p> <p>Print Owner's Name <u>Eversource</u></p> <p>Address <u>56 Prospect St., Hartford, CT</u></p> <p>Signed <u></u> Phone <u>860-728-4532</u> John Morissette</p>
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**RELOCATE ACCESS ROAD AT ROUTE 154 (SAYBROOK ROAD)
IN HADDAM**

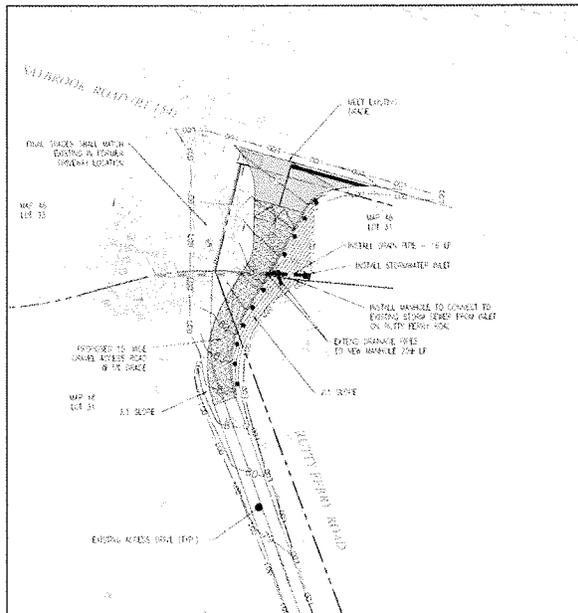
Description of Proposed Work: Eversource has a need to relocate an existing access road to the north along Route 154 (Saybrook Road) in Haddam. The existing access road is on the east side of Route 154, approximately 450 feet south of the Ruddy Ferry Road intersection, as identified by the red arrow on the attached map. Also attached is a drawing showing the removal of the existing access road and its relocation approximately 50 feet to the north. There will be no actual construction activities performed on the roadway. This daytime work is planned to be performed by a contractor for Eversource in October 2015.



DATE: 08/20/2018 10:58:11 AM



SITE PLAN



GRADING PLAN

**CONCEPTUAL ONLY
NOT FOR CONSTRUCTION**

SCALE: AS SHOWN

REVISIONS		DATE		BY	

Northeast Utilities Service Co.
THE CONNECTICUT LIGHT AND POWER COMPANY

HADDAM SUBSTATION
ROAD
CONCEPT PLAN
HADDAM, CT

NO.	DATE	BY	CHKD.	APP.

ROAD CONCEPT 2

ORIGINAL

TOWN HADDAM	ROUTE NO. 154	PMT 2B-REV 8/00 (302-06-0386) DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAY OPERATIONS STATE OF CONNECTICUT ENCROACHMENT PERMIT	DATE OF ISSUE 10/13/2015	PERMIT NO. 2012400
NAME OF HIGHWAY Saybrook Road			DATE EFFECTIVE	Page 1 of 3
LOCATION OF WORK OR BEGINNING AND ENDING POINTS Opposite mailbox # 275 Saybrook Road (Route 154), 430' south of Rutty Ferry Road.			DATE OF EXPIRATION 10/13/2016	AMT. OF SURETY BOND CERTIFY CHECK
			SURETY COMPANY/BANK	
TO: EVERSOURCE ENERGY 56 PROSPECT STREET HARTFORD, CT ATTN: John Morissette			BOND NUMBER: PERMIT IS NOT VALID UNTIL SIGNATURE COPY IS SIGNED AND RETURNED TO THE OFFICE. PLEASE RETURN AT ONCE.	
			FEE: N/C DATE REC'D: PO/WO NO:	

Permission is hereby granted to do the following work under the control and direction of the Department of Transportation, Bureau of Engineering and Highway Operations at the location designated hereon, subject to the statements made on the application for permit, and to the pertinent provisions of the current Highway Encroachment Permit Regulations manual, including amendments thereto.

This permit does not become effective until all necessary local and State licenses and permits are obtained by the Permittee or designated agent, and further the Permittee shall be subject to all Federal, State and local regulations.

This permit is issued in strict compliance with, but not limited by, the following specific requirements, referenced attachments, and the current edition of Department of Transportation's Standard Specifications for Roads, Bridges and Incidental Construction as applicable.

The Department of Transportation Permit Inspector, Anthony Holland 860-823-3227, MUST BE NOTIFIED AND THE CALL BEFORE YOU DIG REQUEST NUMBER RECORDED 48 HOURS IN ADVANCE OF STARTING WORK ON THE PROJECT. REQUEST NO. _____

Permission granted to work within the highway right of way to relocate and pave the existing access drive to the transformer site on Saybrook Road (Route 154), opposite mailbox 275, as delineated on the permit application received on September 29, 2015. All work shall be in accordance with the current publication of the Department of Transportation "Standard Specifications for Roads, Bridges, and Incidental Construction", the latest Department Standard Details, and the following stipulations:

***** A COPY OF THIS PERMIT MUST BE AVAILABLE ON SITE AT ALL TIMES. *****

- Vehicular and pedestrian traffic must be adequately protected through the use of appropriate traffic control patterns. Uniformed police officers or personnel who are certified for traffic control to a level equivalent to the National Safety Council shall be utilized to direct traffic through the work area. All traffic control signing and appurtenances shall be in accordance with the latest edition of the "Manual on Uniform Traffic Control Devices" and must meet NCHRP 350 requirements.
- No work that will interfere with the flow of traffic will be permitted before 8:30 a.m. and after 4:00 p.m., Monday through Friday.
- Holiday Restrictions- No permit work within the highway right of way will be permitted the day before a legal holiday and no work shall be resumed until the day following the holiday, unless otherwise approved or indicated. Weekends shall be considered as part of the holiday when the legal holiday falls on either Friday or Monday.
- Permittee shall keep the state highway free of mud, stones, debris, etc.

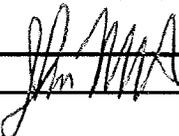
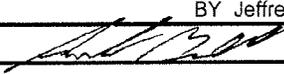
The Permit Inspector must be notified upon completion of work for final inspection and approval.

CALL Before you DIG! TOLL FREE, STATEWIDE 1-800-922-4455

Any and all liability for injury, damage or loss resulting from such work as may be undertaken under the terms of this permit is assumed by the Permittee. The Permittee is hereby designated responsible for all future maintenance of all installations or encroachments constructed under this Permit, which in the sole judgement of the State are not part of the highway appurtenances normally maintained by the State.

The Permittee hereby agrees to indemnify and hold harmless the State of Connecticut for any and all such injury, damage, or loss that may be incurred, either directly, or as a result of said work, and to reimburse the Department of Transportation for any expenses incurred due to the performance of any such work undertaken under the terms of this permit.

This permit is revocable at the discretion of the Department of Transportation Commissioner or designated representative. CMW

PERMITTEE'S SIGNATURE 	DATE 10/22/15	DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAY OPERATIONS BY Jeffrey J. Wilson 	DISTRICT MAINTENANCE DIRECTOR
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ORIGINAL

TOWN HADDAM	ROUTE NO. 154	PMT 2B-REV 8/00 (302-06-0386) DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAY OPERATIONS STATE OF CONNECTICUT ENCROACHMENT PERMIT	DATE OF ISSUE 10/13/2015	PERMIT NO. 2012400 Page 2 of 3
NAME OF HIGHWAY Saybrook Road			DATE EFFECTIVE	
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- The required minimum sightline distance must be obtained as the first phase of construction. Tree and brush must be trimmed and/or removed as directed by the Permit Inspector to obtain adequate sight line. The property owner will be responsible for all future maintenance of the sightline and the drive.

- Hot bituminous will be required for ALL pavement excavations. The permittee will make certain that hot bituminous concrete is available before starting the work. If it is not available, NO excavation will be allowed within the right-of-way until such time as it is available.

- The pavement shall be cut in a uniform straight line to a depth to provide a large enough vertical face to facilitate the proper application of tack coat. The slurry from the saw cutting must not be allowed to enter the State's drainage system.

- At the end of each workday all trenches will be back filled and patched. The use of steel plates or other materials to cover open trenches within the highway right of way will NOT be allowed.

- The storing of excavated materials or other construction materials within the highway right of way will not be allowed. Equipment shall be removed from the right of way when not in use.

- Full depth pavement replacement will be required in all roadway trench excavations. This will include 10" (compacted) of processed gravel base, 6" of Hot Mix Asphalt Superpave 1.0 Design Level 2 and 3" of Hot Mix Asphalt Superpave 0.50 Design Level 2 top course, installed in 2 equal lifts. All edges must be tack coated and the surface joints sealed. If the pavement depth measures less than 9", the requirements for binder and top course depths will be determined by the permit inspector.

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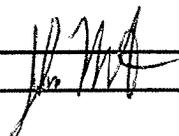
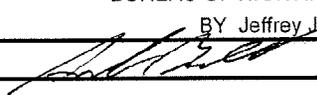
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CMW

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- All slopes shall be stabilized with an approved erosion control method. A State standard anti-tracking pad shall be installed and maintained throughout the construction project. Upon completion of the job, the anti-tracking pad shall be removed and the excavated area must be restored with loam/seed and stabilized with mulch hay.

- All liability is assumed by the permittee. All areas disturbed as a result of this operation will be restored to the equivalency of their original condition or better at permittee's expense. The permittee will be billed in full by the Department for engineering and replacement costs of any area disturbed or destroyed by the permitted operations.

- Requirements of the permit are subject to change as field condition warrant. Any change will require a review and prior approval by the District Office.

The Permit Inspector must be notified upon completion of work for final inspection and approval.

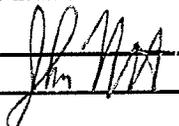
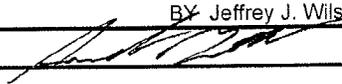
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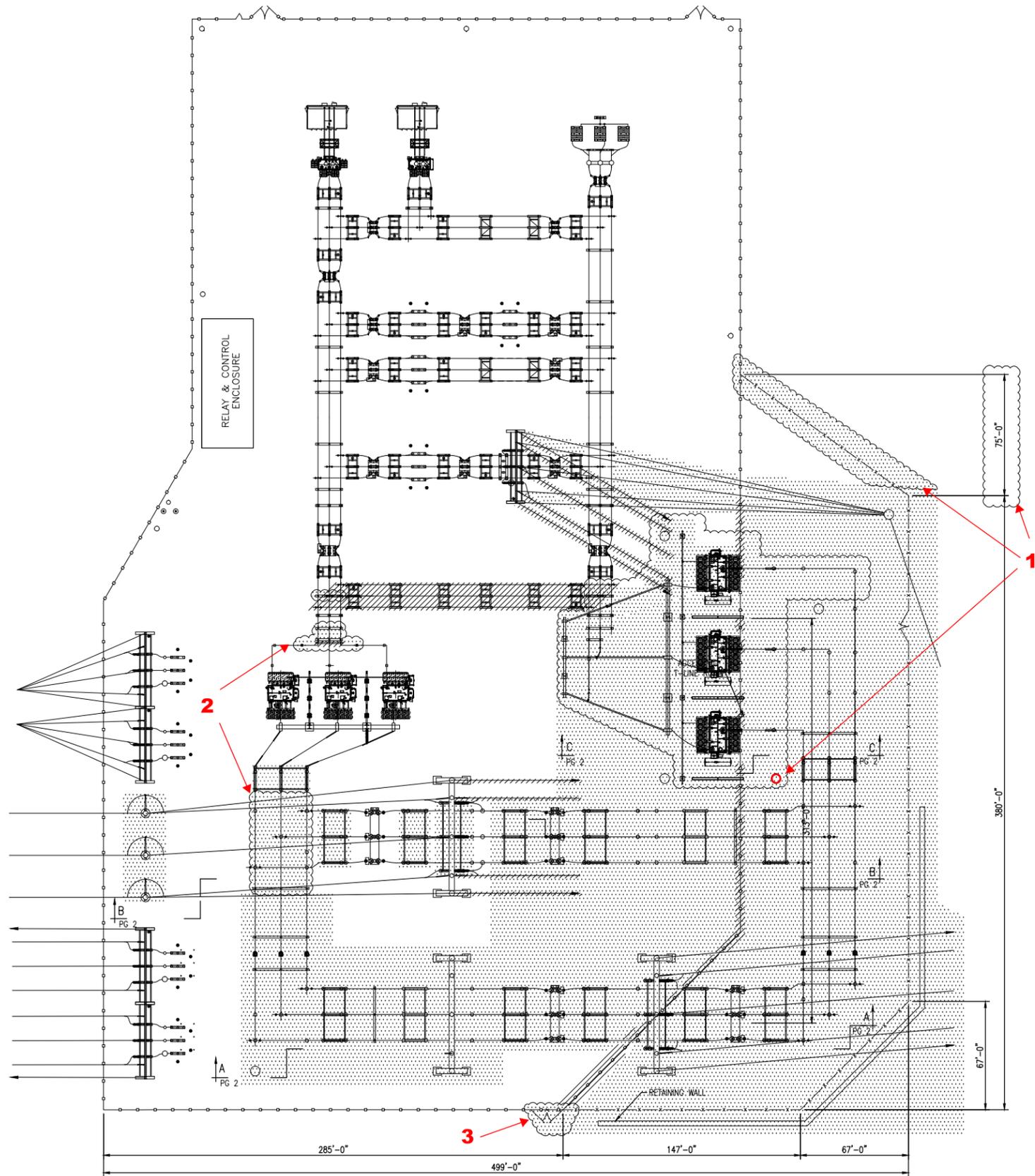
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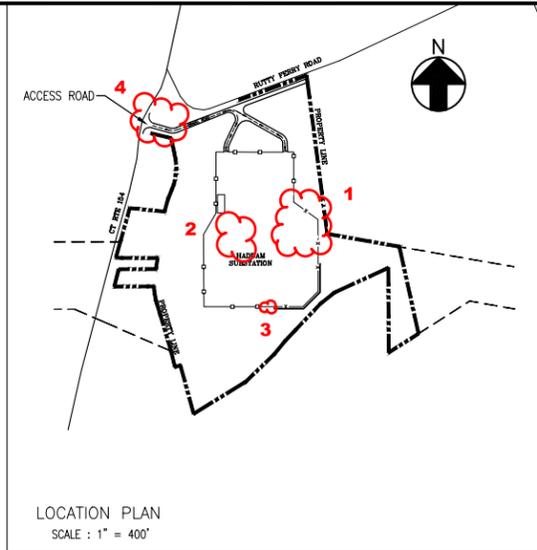
CMW

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9/15/2015 4:58 PM - ojmorris - Z:\Clients\TND\MISC\04185_GHCC\Haddam\11C\Design\Substation\0ADD\1 New Drawings\04 Physical\16101-92001.P001.dwg - Construction-All



PLAN VIEW



LOCATION PLAN
SCALE : 1" = 400'

- 1 - New Autotransformer Area Modifications**
- 2 - Existing Bus Modifications**
- 3 - Landscaping Access**
- 4 - Route 154 Access Road**

LEGEND

- EXISTING SUBSTATION FENCE
- EXPANDED SUBSTATION FENCE
- 2016 ADDITION
- 2016 REMOVAL

REV. 5 - 9/15/15
SUBSTATION ADDITION

REVISIONS DURING CONSTRUCTION					
NO.	DATE	DESCRIPTION	BY	APP.	DATE

TITLE HADDAM SUBSTATION GENERAL ARRANGEMENT - PLAN VIEW - CSC CONNECTICUT SITING COUNCIL HADDAM, CT.					
BY	RR SHINEMAN	DWG	DPK	APP	JWM
DATE	3/19/15	DATE		DATE	
H-SCALE	AS NOTED	SIZE	D	FIELD BOOK & PAGES	
V-SCALE	N/A	V.S.		R.E. DWG	
R.E. PROJ. NUMBER	MUSCO			16101-92001 PG 1	