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Hartford, CT 06103

John Morissette
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January 15, 2016

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

Re: Petition No. 1140 - Barbour Hill Substation to Manchester Substation and 1763 Line
Reconductoring Project - Landscaping Plan

Dear Chairman Stein:

On April 16, 2015, The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") received a declaratory ruling from the Connecticut Siting Council ("Council") that a Certificate of Environmental Compatibility and Public Need would not be required for the work proposed in Petition No. 1140, subject to conditions. The Council's ruling included the following conditions:

- Landscaping at Barbour Hill Substation through a landscaping plan to be submitted to the Council.
- Ensure adequate security measures are installed for the project, including material used for equipment enclosures.

Eversource is submitting this letter, along with the attachment, to comply with the above two conditions.

Landscaping Plan

Eversource is submitting the attached Landscaping Plan (the "Plan"). The Plan depicts the installation of four earthen berms and several species of plants approved for planting in or near the wire zone. The Plan was developed in cooperation with the Town of South Windsor and is designed to provide visual screening for abutters and improve the appearance to the general public of the Barbour Hill Substation. The landscaping will be installed at the completion of the substation and line work.

Security Measures

Both the Barbour Hill and Manchester substations have existing security measures including security fencing, access controls on the control houses/enclosures, security cameras and control house door alarm systems. In addition to these measures, Manchester Substation also has a thermal camera video analytics based IDS (Intrusion Detection System).

As part of the Eversource's on-going review of physical security for substations, as described in Petition No. 1157 approved by the Council on June 11, 2015 and to comply with CIP-014-1, Eversource plans to determine and propose appropriate improvements to protect the physical

security of identified substations. Improvements at the identified substations may include, but are not limited to, installation or enhancement of intruder detection systems, placement of asset specific barriers around substation equipment and facilities), and replacement of substation perimeter fences with higher fences (but not to an elevation higher than other substation equipment) that may obscure direct line of sight into the substation. Therefore, Eversource would file separately under Petition No. 1157 (if applicable) when the assessment is complete, if additional security measures are required for the Barbour Hill Substation and/or Manchester Substation.

Attached are an original and fifteen (15) copies.

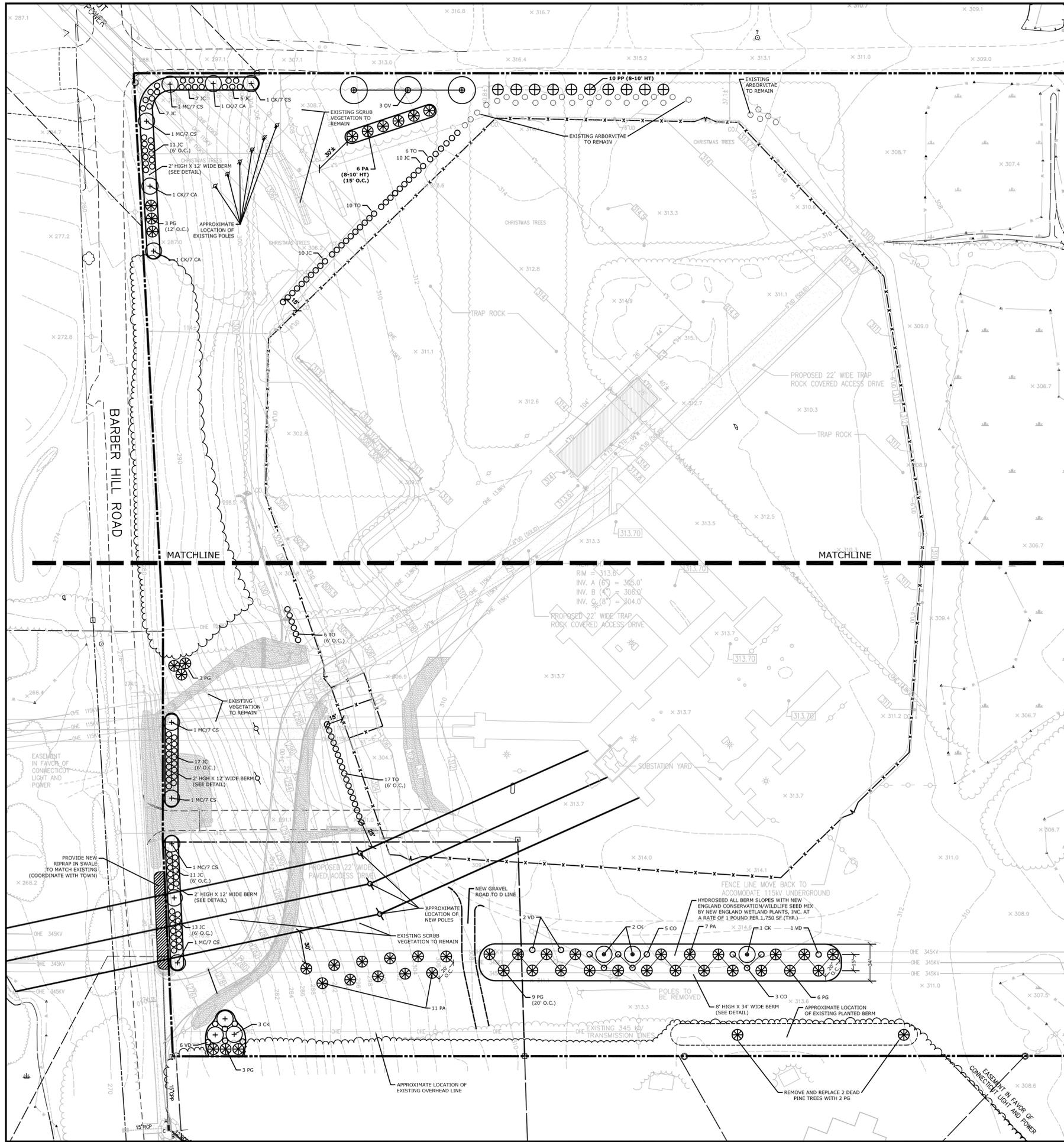
Sincerely,

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

John Morissette

Attachment: Landscape Plan

cc: Mayor Tom Delnicki, Town of South Windsor
Town Manager, Matthew Galligan, Town of South Windsor



PLANT SCHEDULE:

TREES:
 OV
 MC
 CK
 AC
 PG
 PP
 PA
 JC
 TO

BOTANICAL NAME
 OSTRYA VIRGINIANA
 MALUS 'CORALBURST'
 CORNUS KOUSA
 AMELANCHIER CANADENSIS
 PICEA GLAUCA
 PICEA pungens 'GLAUCA'
 PICEA ABIES
 JUNIPERUS CHINENSIS 'HETZII COLUMNARIS'
 THUJA OCCIDENTALIS 'TECHNY'

COMMON NAME
 AMERICAN HOPHORNBEAM
 CORALBURST CRABAPPLE
 KOUSA DOGWOOD
 SHADBLOW SERVICEBERRY
 WHITE SPRUCE
 COLORADO BLUE SPRUCE
 NORWAY SPRUCE
 HETZ COLUMNAR JUNIPER
 MISSION ARBORVITAE

SIZE
 2-1/2" - 3" CALIPER
 2-2 1/2" CALIPER
 2-2 1/2" CALIPER
 6-7' HT
 8-10' HT
 8-10' HT
 8-10' HT
 6-7' HT
 5-6' HT

REMARKS
 B & B (YELLOW, FALL) (40'H X 20'W)
 B & B (PINK, SPRING) (10'H X 8'W)
 B & B (WHITE, SPRING) (20'H X 20'W)
 B & B (WHITE, SPRING) (20'H X 10'W)
 B & B (EVERGREEN) (60'H X 20'W)
 B & B (EVERGREEN) (60'H X 20'W)
 B & B (EVERGREEN) (80'H X 30'W)
 B & B (EVERGREEN) (15'H X 5'W)
 B & B (EVERGREEN) (15'H X 6'W)

SHRUBS:
 VD
 CA
 CS
 CO

BOTANICAL NAME
 VIBURNUM DENTATUM
 CLETHERA ALNIFOLIA 'COMPACTA'
 CORNUS SERICEA 'ALLEMANS COMPACT'
 CORYLUS AMERICANA

COMMON NAME
 ARROWWOOD VIBURNUM
 COMPACT SUMMERSWEET
 ALLEMANS COMPACT RED
 STEM DOGWOOD
 AMERICAN HAZELNUT

SIZE
 3 GALLON
 3 GALLON
 3 GALLON
 5 GALLON

REMARKS
 CONTAINER (WHITE, SPRING) (8'H X 8'W)
 CONTAINER (WHITE, SUMMER) (6'H X 6'W)
 CONTAINER (RED, WINTER) (4'H X 4'W)
 CONTAINER (NUTS, WILDLIFE) (12'H X 8'W)

LEGEND:

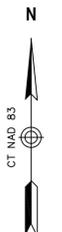


PLANTING NOTES:

- THE CONTRACTOR SHALL FURNISH AND PLANT ALL PLANTS IN QUANTITIES AS SHOWN ON THIS PLAN. NO SUBSTITUTIONS OF PLANT MATERIALS WILL BE PERMITTED UNLESS APPROVED BY OWNER.
- ALL PLANTS SHALL BE NURSERY GROWN AND PLANTS AND WORKMANSHIP SHALL CONFORM TO THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS, INCLUDING BUT NOT LIMITED TO SIZE, HEALTH, SHAPE, ETC., AND SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO ARRIVAL ON-SITE AND AFTER PLANTING.
- PLANT STOCK SHALL BE GROWN WITHIN THE HARDINESS ZONES 4 THRU 7 ESTABLISHED BY THE PLANT HARDINESS ZONE MAP, MISCELLANEOUS PUBLICATIONS NO. 814, AGRICULTURAL RESEARCH SERVICE, UNITED STATES DEPARTMENT AGRICULTURE, LATEST REVISION.
- PLANT MATERIAL SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS TO THE ORIGINAL PLANTING GRADE PRIOR TO DIGGING.
- THE CONTRACTOR SHALL LOCATE, VERIFY AND MARK ALL EXISTING AND NEWLY INSTALLED UNDERGROUND UTILITIES PRIOR TO ANY LAWN WORK OR PLANTING. ANY CONFLICTS WITH PLANTING AND UTILITIES SHALL IMMEDIATELY BE REPORTED TO THE OWNER SO THAT ALTERNATE PLANTING LOCATIONS CAN BE DETERMINED.
- ALL DISTURBED AREAS NOT TO BE PAVED OR OTHERWISE TREATED, SHALL RECEIVE SIX (6) INCHES OF LOAM AND SEED. NO FILL SHALL BE PLACED IN ANY WETLAND AREA.
- THREE (3) INCH BARK MULCH IS TO BE USED AROUND THE TREE AND SHRUB PLANTING AS SPECIFIED IN THE DETAILS. WHERE BARK MULCH IS TO BE USED IN A CURBED ISLAND THE BARK MULCH SHALL MEET THE TOP INSIDE EDGE OF THE CURB. ALL OTHER AREAS SHALL RECEIVE SIX (6) INCHES OF LOAM AND SEED.
- SEE PLANTING DETAILS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- TREE STAKES SHALL REMAIN IN PLACE FOR NO LESS THAN SIX MONTHS AND NO MORE THAN ONE YEAR.
- PLANTING SHALL BE COMPLETED FROM APRIL 15TH THROUGH OCTOBER 1ST. NO PLANTING DURING JULY AND AUGUST UNLESS SPECIAL PROVISIONS ARE MADE FOR DROUGHT.
- TREES SHALL BE PRUNED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI A300 "TREES, SHRUBS AND OTHER WOOD PLANT MAINTENANCE STANDARD PRACTICES".
- ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24 HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL BE WATERED WEEKLY OR MORE OFTEN IF NECESSARY DURING THE FIRST GROWING SEASON.
- ANY EXISTING TREE SHOWN TO REMAIN, WHICH IS REMOVED DURING CONSTRUCTION, SHALL BE REPLACED BY A TREE OF COMPARABLE SIZE AND SPECIES AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL GUARANTEE ALL PLANTINGS TO BE IN GOOD HEALTHY, FLOURISHING AND ACCEPTABLE CONDITION FOR A PERIOD OF (1) YEAR BEGINNING AT THE DATE OF ACCEPTANCE OF SUBSTANTIAL COMPLETION. ALL GRASSES, TREES AND SHRUBS THAT, IN THE OPINION OF THE LANDSCAPE ARCHITECT, SHOW LESS THAN 80% HEALTHY GROWTH AT THE END OF ONE YEAR PERIOD SHALL BE REPLACED BY THE CONTRACTOR.
- UPON EXPIRATION OF THE CONTRACTOR'S ONE YEAR GUARANTEE PERIOD, THE OWNER SHALL BE RESPONSIBLE FOR LANDSCAPE MAINTENANCE INCLUDING WATERING DURING PERIODS OF DROUGHT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PLANTING AND LAWNS AGAINST DAMAGE FROM ONGOING CONSTRUCTION. THIS PROTECTION SHALL BEGIN AT THE TIME THE PLANT IS INSTALLED AND CONTINUE UNTIL THE FORMAL ACCEPTANCE OF ALL THE PLANTINGS.
- PRE-PURCHASE PLANT MATERIAL AND ARRANGE FOR DELIVERY TO MEET PROJECT SCHEDULE AS REQUIRED. IT MAY BE NECESSARY TO PRE-DIG CERTAIN SPECIES WELL IN ADVANCE OF ACTUAL PLANTING DATES.

NOTE:

EXISTING SURVEY INFORMATION IS APPROXIMATE. POLES AND LINES SHOWN ARE ALSO APPROXIMATE AND HAVE BEEN LOCATED THROUGH VISUAL FIELD OBSERVATION.



Petition #1140

Barbour Hill Substation South Windsor, CT

November 4, 2015

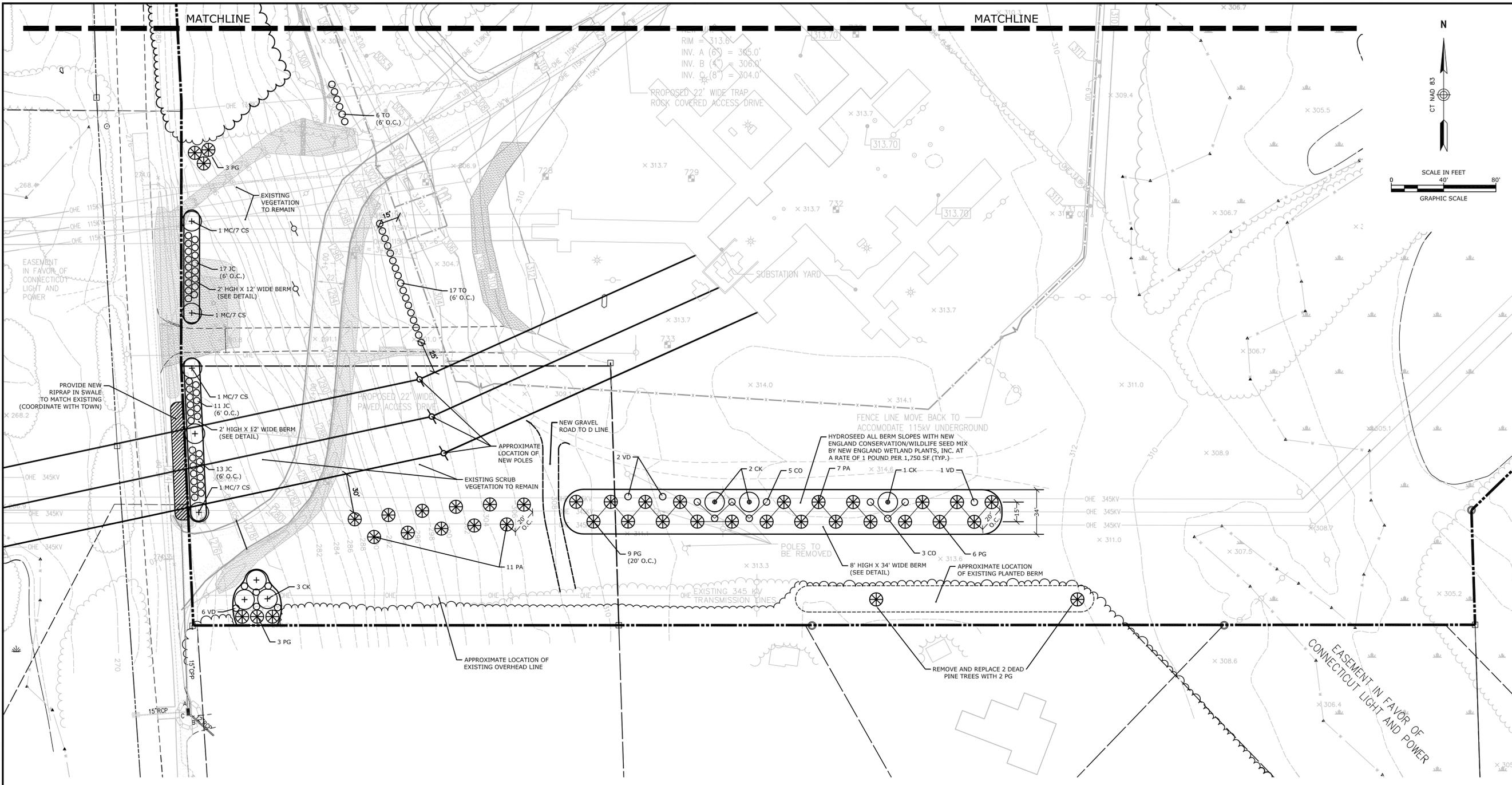
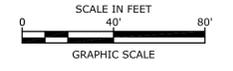
Mark	Date	Description
1	1/15/16	Revised planting notes

PROJECT NO: N-0915-39
 FILE: N-0915-39 LAND.DWG
 DRAWN BY: BJL/JOC
 CHECKED: MED
 APPROVED BY: MED

LANDSCAPE BUFFER PLAN WITH 8' HIGH BERM

SCALE: AS SHOWN

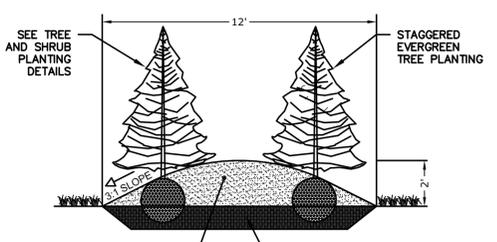




Petition #1140

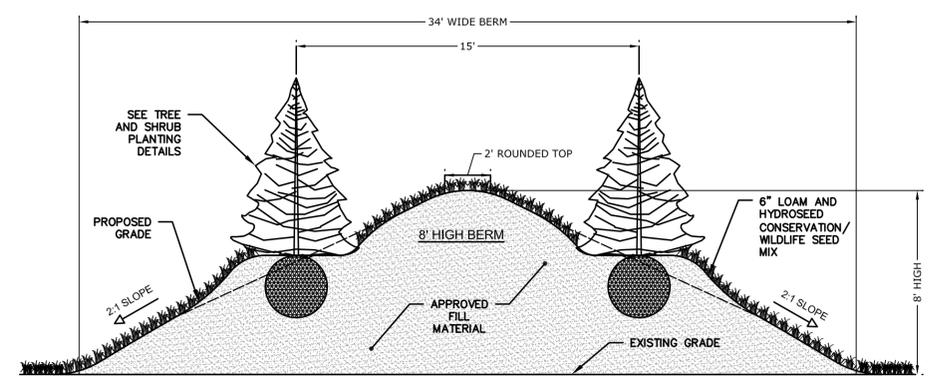
Barbour Hill
Substation
South Windsor, CT

NOTE:
REMOVE AND DISPOSE OF ALL EXISTING VEGETATION INCLUDING STUMPS AND ROOTS WITHIN THE 12' WIDE BERM AREA TO A LOCATION APPROVED BY EVERSOURCE AND THE PROJECT ENGINEER.



TYPICAL PLANTING AT 2' HIGH X 12' WIDE BERM
NOT TO SCALE

NOTE:
REMOVE AND DISPOSE OF ALL EXISTING VEGETATION INCLUDING STUMPS AND ROOTS WITHIN THE 34' WIDE BERM AREA TO A LOCATION APPROVED BY EVERSOURCE AND THE PROJECT ENGINEER.

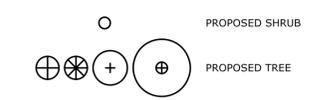


TYPICAL PLANTING AT 8' HIGH X 34' WIDE BERM
NOT TO SCALE

PLANT SCHEDULE:

TREES:	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
OV	Ostrya virginiana	AMERICAN HOPHORNBEAM	2-1/2 - 3" CALIPER	B & B (YELLOW, FALL) (40'H X 20'W)
MC	Malus 'Coralburst'	CORALBURST CRABAPPLE	2-2 1/2" CALIPER	B & B (PINK, SPRING) (10'H X 8'W)
CK	Cornus kousa	KOUSA DOGWOOD	2-2 1/2" CALIPER	B & B (WHITE, SPRING) (20'H X 20'W)
AC	Amelanchier canadensis	SHADBLOW SERVICEBERRY	6-7' HT	B & B (WHITE, SPRING) (20'H X 10'W)
PG	Picea glauca	WHITE SPRUCE	8-10' HT	B & B (EVERGREEN) (60'H X 20'W)
PP	Picea pungens 'Glauca'	COLORADO BLUE SPRUCE	8-10' HT	B & B (EVERGREEN) (60'H X 20'W)
PA	Picea abies	NORWAY SPRUCE	8-10' HT	B & B (EVERGREEN) (80'H X 30'W)
JC	Juniperus chinensis 'Hetzii Columnaris'	HETZII COLUMNAR JUNIPER	6-7' HT	B & B (EVERGREEN) (15'H X 5'W)
TO	Thuja occidentalis 'Techny'	MISSION ARBORVITAE	5-6' HT	B & B (EVERGREEN) (15'H X 6'W)
SHRUBS:	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
VD	Viburnum dentatum	ARROWWOOD VIBURNUM	3 GALLON	CONTAINER (WHITE, SPRING) (8'H X 8'W)
CA	Clethra alnifolia 'Compacta'	COMPACT SUMMERSWEET	3 GALLON	CONTAINER (WHITE, SUMMER) (6'H X 6'W)
CS	Cornus sericea 'Allema's Compact'	ALLEMA'S COMPACT RED STEM DOGWOOD	3 GALLON	CONTAINER (RED, WINTER) (4'H X 4'W)
CO	Corylus americana	AMERICAN HAZELNUT	5 GALLON	CONTAINER (NUTS, WILDLIFE) (12'H X 8'W)

LEGEND:



NOTES:
SEE SHEET 1 OF 3 FOR PLANTING NOTES.
SEE SHEET 2 OF 3 FOR TYPICAL PLANTING DETAILS.



November 4, 2015

Mark	Date	Description

PROJECT NO: N-0915-39
FILE: N-0915-39_LAND.DWG
DRAWN BY: BJL/JOC
CHECKED: MED
APPROVED BY: MED

LANDSCAPE BUFFER PLAN WITH 8' HIGH BERM
SCALE: AS SHOWN