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Kathleen M. Shanley
Manager – Transmission Siting
Tel: 860-728-4527

August 21, 2019

Ms. Melanie Bachman, Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

Re: *Docket No. 461A: Greenwich Substation and Line Project
Development and Management Plan Greenwich Substation (Volume I-Part 2B)
Proposed Modifications to Landscape Plan*

Dear Ms. Bachman:

In accordance with the above-referenced Development and Management (D&M) Plan for the Greenwich Substation and Line Project (Project), the Connecticut Light and Power Company doing business as Eversource Energy (Eversource) proposes modifications to the Preliminary Landscape Plan (D&M Plan, Appendix E) for the Greenwich Substation, located at 290 Railroad Avenue in the Town of Greenwich.

Specifically, during the planning process for the new Greenwich Substation, Eversource anticipated that the entire existing hedgerow of arborvitae trees, located along the south side of the substation property, would be left in place, as reflected on the *Preliminary Landscape Plan* included in the Greenwich Substation D&M Plan (Appendix E). The attached photograph illustrates the location of the arborvitae hedgerow along the southern portion of the Eversource substation site, as well as the location of the building at 255 Field Point Road, directly south of and abutting Eversource's property.

After the publication of the D&M Plan, Eversource conducted a field investigation of the site with an arborist representing the tenant of the adjacent property (255 Field Point Road). As a result of that investigation, Eversource determined that, after the construction of the Greenwich Substation, an approximately 60-foot-long portion of the hedgerow would be narrowly isolated between the exterior brick wall of the substation and the wall of the adjacent building. As a result, arborists for both Eversource and the adjacent building tenant anticipate that the arborvitae in this area would likely die from lack of space and sunlight.

Consequently, as part of the construction of the substation, Eversource proposes to remove approximately 60 feet of the arborvitae hedgerow. The remainder of the hedgerow would remain. The updated *Landscape Plan* for the substation (dated August 15, 2019, attached) reflects these proposed modifications.

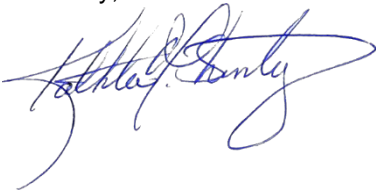
Further, to compensate for the removal of the arborvitae, Eversource will install additional plantings along other portions of the substation's exterior brick wall. These plantings, which are illustrated on the revised *Landscape Plan*, reflect the results of coordination with and input from the Town of Greenwich.

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Pursuant to Sections C.2.9 and F.2 of the above-referenced D&M Plan, Eversource seeks the Council staff's approval of the revised Landscape Plan for the Greenwich Substation.

Attached to this original, please find 2 copies of this Proposed Modifications to the Landscape Plan. Should you have any questions regarding this D&M Plan change request, please do not hesitate to contact me at via e-mail at kathleen.shanley@eversource.com or telephone at (860) 728-4527.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kathleen M. Shanley". The signature is fluid and cursive, with a large loop at the end.

Kathleen M. Shanley

Attachments

Cc: Mr. James Michel, Deputy Commissioner of Public Works, Town of Greenwich

View (looking south) across the Greenwich Substation Site (290 Railroad Avenue), showing the Arborvitae Hedgerow and Adjacent Building (255 Field Point Road)

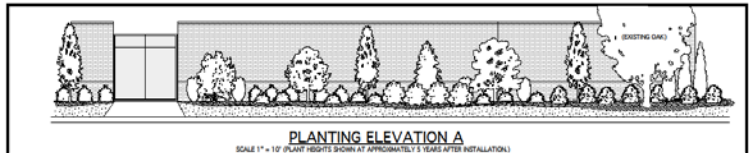


LANDSCAPE NOTES:

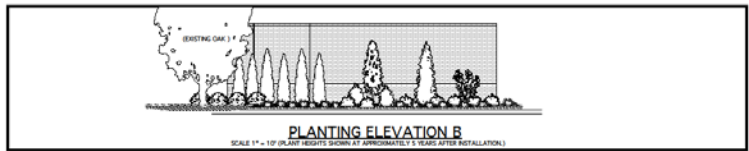
1. Contractor must obtain CDD/Digital/Video and verify locations of all underground utilities prior to beginning construction, and excavate with caution.
2. Contractor shall arrange for Designer or Owner's representative to layout and remove all plants, plant locations, and Root Protection Zone prior to installation.
3. All areas disturbed during excavation activity shall be re-established by the Contractor according to the specifications of the Designer.
4. All plants shall be lightly tagged for easy open delivery to site.
5. All plants shall be in accordance with the Nursery Stock AND 2801 label system, and shall be free of defects.
6. Much for trees, shrubs, and perennials shall be double-bagged with black, dark brown in color, without dye, and placed in a minimum 2" thickness.
7. All trees and shrubs growing shall be normally unrooted within a 10-foot radius and at each plant growing location. The main root shall typically extend minimally 2' past the drip line of trees or shrubs.
8. No excavations may be made by the Contractor without approval by the Owner or Owner's representative. The Contractor shall notify the Owner's representative in writing of any plants that will not be available, prior to submitting a bid on this project.
9. All plants shall be planted to the delivery to the site. All plants shall be received daily until planting, and received immediately after planting.
10. If a water source is not available at the site, Contractor shall be responsible, at the Contractor's sole expense, for obtaining water required to perform the work. All plants staged in a holding area shall be covered immediately upon arrival and covered with shade cloth and kept moist. Plants shall always be protected from frost. Plants shall always be protected from frost. Plants shall always be protected from frost. Plants shall always be protected from frost.
11. 10' Thinks and 7" roots, soil, and fertilizer shall not be included in the backfill. Should supplemental topsoil or grading material be required, it is the planting Contractor's responsibility to provide and install such, weed free, screened topsoil as necessary. A sample of all supplemental soils shall be provided to the Owner's Representative prior to delivery and installation on site.
12. Contractor shall observe proper planting depth. All plant root balls shall be treated by carefully removing excess soil from the top of all root balls. Once exposed, the trunkline extension shall be used as the planting depth gauge for each ball. Each root ball planting depth shall be based solely upon the base of its root ball being level with, or slightly above the adjacent finish grade. Plants shall be set in position and held in position until backfill topsoil has been placed and adequately compacted around the base of the root ball to prevent the plant from settling or heaving.
13. Backfilling of root balls shall be avoided by padding underneath, padding the trunk, and padding the top of the root ball. Root ball integrity shall be preserved by strictly avoiding dropping, crushing, or passing root balls. Plants shall be filled and handled by the container or root ball to avoid damaging them. Hydraulic hoists or tree grapples shall not be used to assist in placing root balls to any degree, under any circumstances.
14. Existing (Owner's) value (Designer's) of NW property corner shall be protected from branch, bark, foliage, and root damage. Contractor shall install Designer/Owner's representative prior to any work within the Root Protection Zone area, for procedures to avoid tree damage and root compaction. Roots exposed during excavation, construction, and planting operations shall be covered with screened topsoil, and 2 inches, roots shall be cut cleanly before backfill. Penalties apply for non-compliance.
15. All new plants shall be warranted for a period of one (1) year from date of final acceptance. Contractor shall remove and replace, at no expense to the owner, any plants that are dead or visibly unhealthy within the first year.

PROPOSED PLANT SCHEDULE

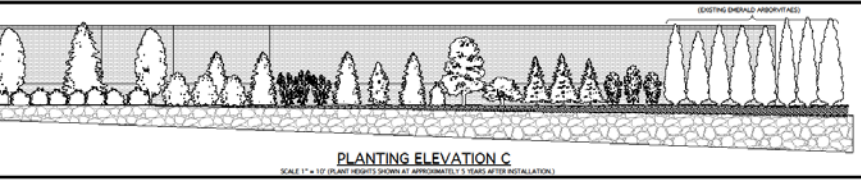
KEY	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE AT INSTALL	MATURE HT.
AC	1	<i>Amelanchier canadensis</i>	Shadblow	6" - 7" clump	15'
AST	7	<i>Astilbe 'Visions in Pink'</i>	Astilbe, pink	1 gal	1.5'
BGM	16	<i>Buxus 'Green Mountain'</i>	Green Mountain Boxwood	2.5' - 3' W	5'
BGV	14	<i>Buxus 'Green Velvet'</i>	Green Velvet Boxwood	2.5' - 3' W	4'
CA	4	<i>Cactea americana 'Baby Spice'</i>	Pink Sunmossweet	5 gal	5'
CF	1	<i>Cornus florida 'Cherokee Princess'</i>	Flowering Dogwood	2" - 2.5" cal	20'
CFE	3	<i>Carpinus betulus 'Frans Fontaine'</i>	Columnar European Hornbeam	2" - 2.5" cal	30'
CKF	34	<i>Calamagrostis 'Karl Foerster'</i>	Karl Foerster Feather Reed Grass	1 gal	4'
HEM	55	<i>Hemerocallis 'Stony Rectum'</i>	Pink Daylily	1 gal	2'
HL	1	<i>Hydrangea 'Limelight'</i>	Limelight Panicle Hydrangea	1.5" cal	10'
HS	1	<i>Hamamelis x inter. 'Sunburst'</i>	Sunburst Witch Hazel	4" - 3" clump	12'
IG	9	<i>Ilex glabra 'Compacta'</i>	Compact Inkberry	5 gal	4'
IVR	3	<i>Ilex verticillata 'Red Spire'</i>	Red Spire Winterberry Holly	3 gal	4'
JBP	3	<i>Juniperus chinensis 'Blue Point'</i>	Blue Point Juniper	6" - 7", 20 gal cont.	15'
NWL	4	<i>Nepeta 'Walkers Low'</i>	Walkers Low Catmint	1 gal	2'
PPF	1	<i>Prunella glauca 'Windkiss'</i>	Weeping White Spirea	6"	30'
PJ	6	<i>Platanus japonica 'Mountain Fire'</i>	Japanese Platan	5 gal	6'
PFV	1	<i>Pinus resinosa 'Vanderwolf's Pyramid'</i>	Vanderwolf's Pine	6" - 7"	20'
PSA	1	<i>Prunus serrulata 'Amanogawa'</i>	Columnar Flowering Cherry	2" cal	20'
RDS	3	<i>Ribes sibiricum</i>	Rose of Sharon	4"	10'
SDP	10	<i>Spiraea japonica 'Salem'</i>	Double Ray Japanese Spirea	3 gal	4'
SRI	1	<i>Syringa reticulata 'Ivory Silk'</i>	Ivory Silk Japanese Tree Lilac	1.5" - 2" cal	20'
SVW	4	<i>Syringa vulgaris, white</i>	Common Lilac, white	3" - 4"	12'
TE	5	<i>Thuja occidentalis 'Elegantissima'</i>	Elegantissima Arborvitae	6"	15'
TEG	6	<i>Thuja occidentalis 'Emerald'</i>	Emerald Arborvitae	6" - 7"	20'
TG	1	<i>Thuja plicata 'Green Giant'</i>	Green Giant Arborvitae	7" - 8"	50'
TH	6	<i>Taxus x media 'Hickall'</i>	Hick's Yew	4"	15'
VT	3	<i>Viburnum trilobum</i>	Cranberrybush Viburnum	5 gal	10'



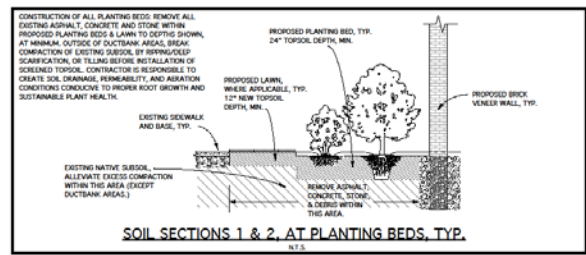
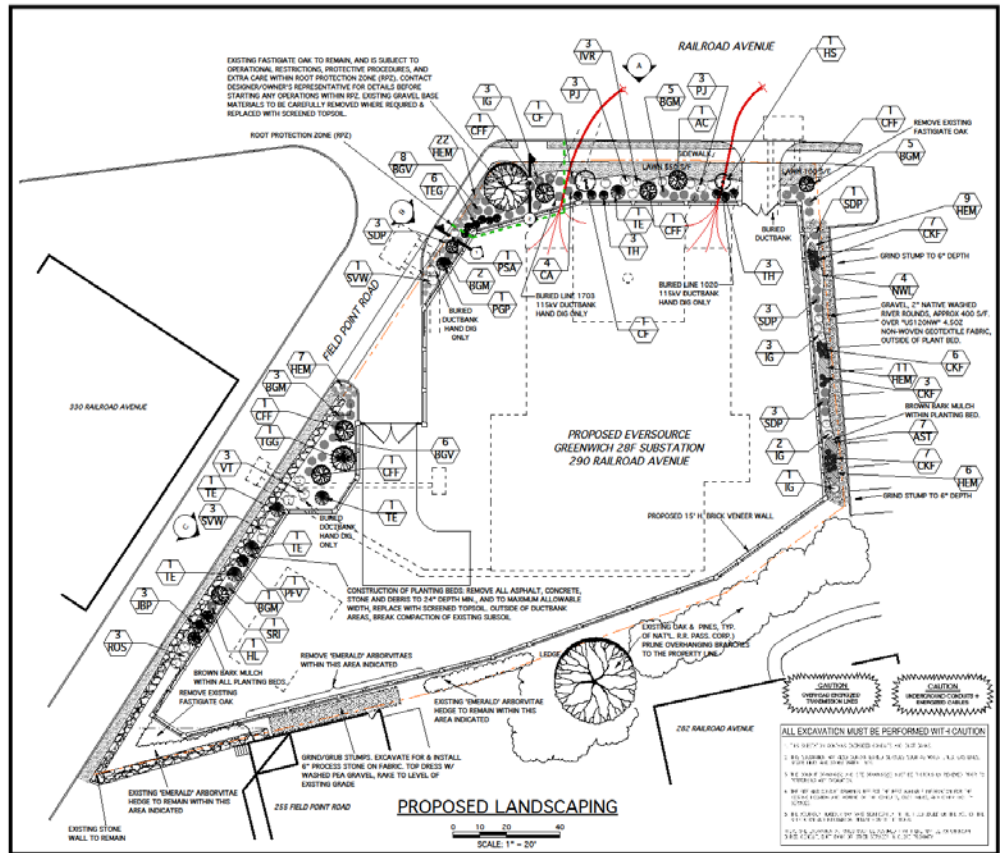
PLANTING ELEVATION A
SCALE 1/4" = 1'-0" (PLANT HEIGHTS SHOWN AT APPROXIMATELY 3 YEARS AFTER INSTALLATION.)



PLANTING ELEVATION B
SCALE 1/4" = 1'-0" (PLANT HEIGHTS SHOWN AT APPROXIMATELY 3 YEARS AFTER INSTALLATION.)



PLANTING ELEVATION C
SCALE 1/4" = 1'-0" (PLANT HEIGHTS SHOWN AT APPROXIMATELY 3 YEARS AFTER INSTALLATION.)



SOIL SECTIONS 1 & 2, AT PLANTING BEDS, TYP.

For schematic purposes only, Eversource or its Representatives may approve changes to plant types or sizes based upon availability. Proposed plant locations are approximate and may vary based upon site conditions. Boundary lines shown are approximate. All dimensions are subject to verification. Not a survey.

LEGEND

- ELECTRICAL STRUCTURE OR EQUIPMENT
- UNDERGROUND TRANSMISSION LINE
- - - SUBJECT PROPERTY LINE, APPROXIMATE
- ROOT PROTECTION ZONE, APPROXIMATE

BURNS & MCDONNELL

EVERSOURCE ENERGY

GREENWICH 28F SUBSTATION LANDSCAPE PLAN
290 RAILROAD AVE, GREENWICH, CONNECTICUT

BY GCS	CHD	APP	AW
DATE 8/15/2019	DATE	DATE	DATE
SCALE 1" = 20'	SIZE ARCH-D		
PROJ. GREENWICH SUBSTATION	DRAWING NO.	REVISION 12	