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ENERGY

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August 1, 2018

RECEIVED
AUG 1 2018
Connecticut Siting Council

BY EMAIL & FEDEX

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

Re: Development and Management Plan Volume I – Part 1 Amendment
Connecticut Siting Council Docket No. 461A
Greenwich Substation and Line Project
Cos Cob Substation Modifications

Dear Ms. Bachman:

Pursuant to Section 16-50j-62(b) of the Regulations of Connecticut State Agencies and Section F.2 of the *Greenwich Substation & Line Project Substation Development and Management (D&M) Plan Volume 1-Part 1 Cos Cob Substation Modifications*, The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource"), requests that Connecticut Siting Council ("Council") staff review and approve the proposed change to this D&M Plan, approved by the Council on April 12, 2018.

During construction, Eversource contractors discovered a steeper slope than had been previously indicated in the topographic survey for the western slope of the Substation expansion area, primarily due to the historic disposal of vegetation and subsequent organic decomposition throughout the area. In addition, unsuitable soil was discovered in this area near the top of the slope, which will need to be removed and suitable fill imported. Due to this as-found condition additional slope stabilization measures are required. Eversource proposes to remove all debris and "scrub" vegetation, as well as unsuitable existing soil and fill in this area, and replace in kind with structural fill, rip-rap and concrete blocks at the toe of the slope to stabilize the slope (per Eversource's BMPs[1]). In addition, Eversource proposes to plant arborvitaes at the toe of slope to provide visual screening. All proposed work would occur within Eversource's easement (Please see the attached revised drawings)

The Council-approved activities in this area included removal of one large tree and trimming east of the siltation barrier near the top of the slope. Now that area has been

[1] Eversource's *Best Management Practices Manual for Massachusetts and Connecticut (Construction & Maintenance Environmental Requirements)*, September 2016.

cleared of the underlying vegetation, and in light of the proposed slope stabilization, it is evident that additional trees will also need to be removed, as the rip rap would otherwise smother their roots or otherwise damage the trees irreparably.

Eversource proposes to remove six (6) additional trees as part of this D&M Plan change, which include the following:

- One 13 inch dbh[2] American sweetgum (*Liquidambar styraciflua*);
- One 16 inch dbh Oak (genus: *Quercus*);
- One 18 inch dbh Norway maple (*Acer platanoides*);
- One 12 inch dbh American sweetgum;
- One 16 inch dbh American sweetgum; and,
- One 4 inch dbh American sweetgum.

Accordingly, enclosed please find a D&M Plan Amendment for Council review and approval, which includes a map depicting the area of interest, the slope stabilization design and proposed landscaping.

This work is required to be performed immediately in order to maintain schedule to support outages planned for this fall.

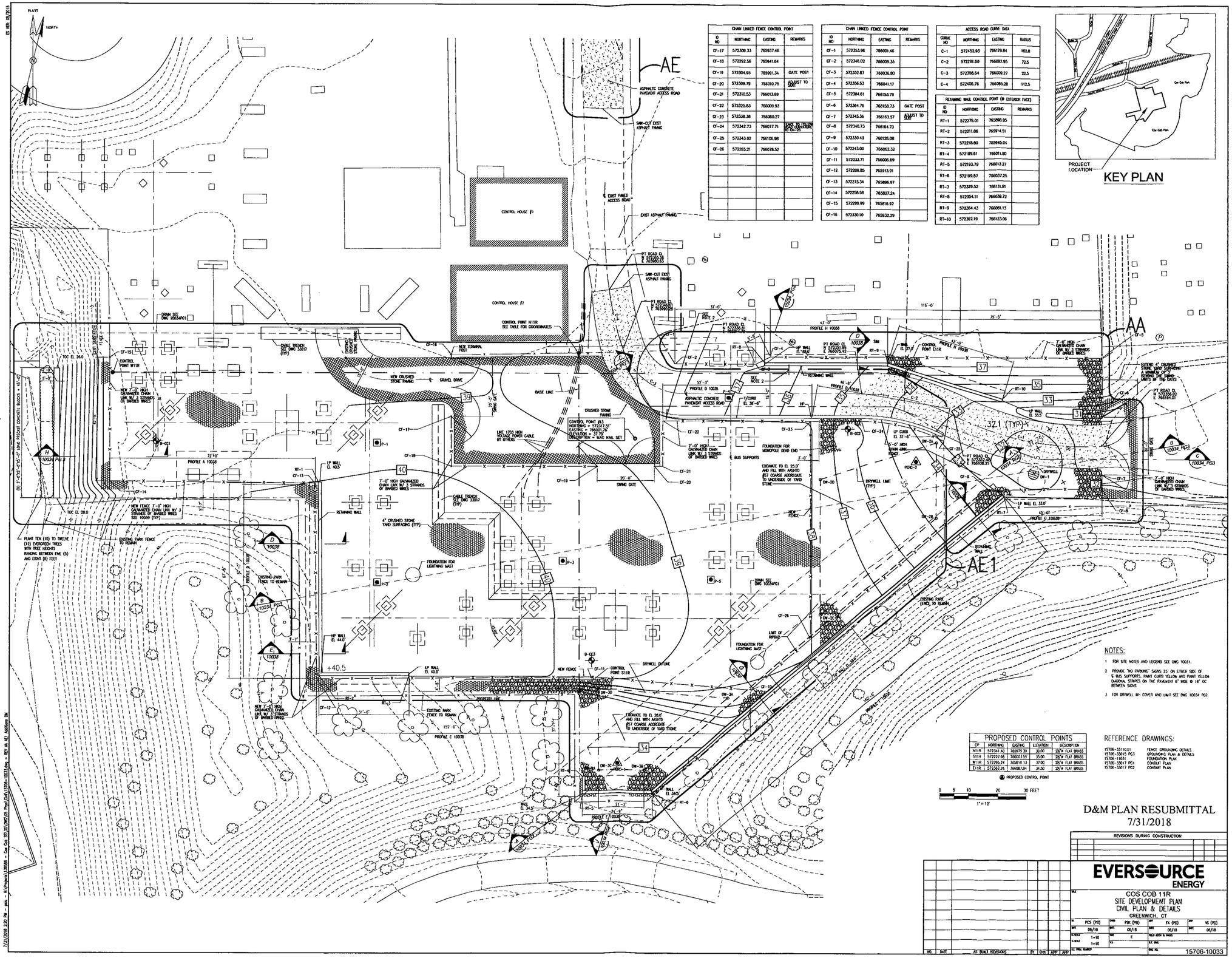
Should you have any questions or require further information please contact me.

Sincerely,

Attachments

cc: Robert Mercier, Siting Analyst

[2] dbh means diameter at Breast Height; estimated herein.



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ID NO	NORTHING	EASTING	REMARKS
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CF-18	572292.56	765941.64	
CF-19	572304.95	765991.34	GATE POST
CF-20	572309.79	766010.75	ADJUST TO SUIT
CF-21	572310.53	766013.69	
CF-22	572325.63	766009.93	
CF-23	572338.38	766050.27	
CF-24	572342.73	766077.71	SAWCUT TO FIT CONDUIT ID CF-25
CF-25	572343.02	766106.98	
CF-26	572265.21	766078.52	

CHAIN LINKED FENCE CONTROL POINT			
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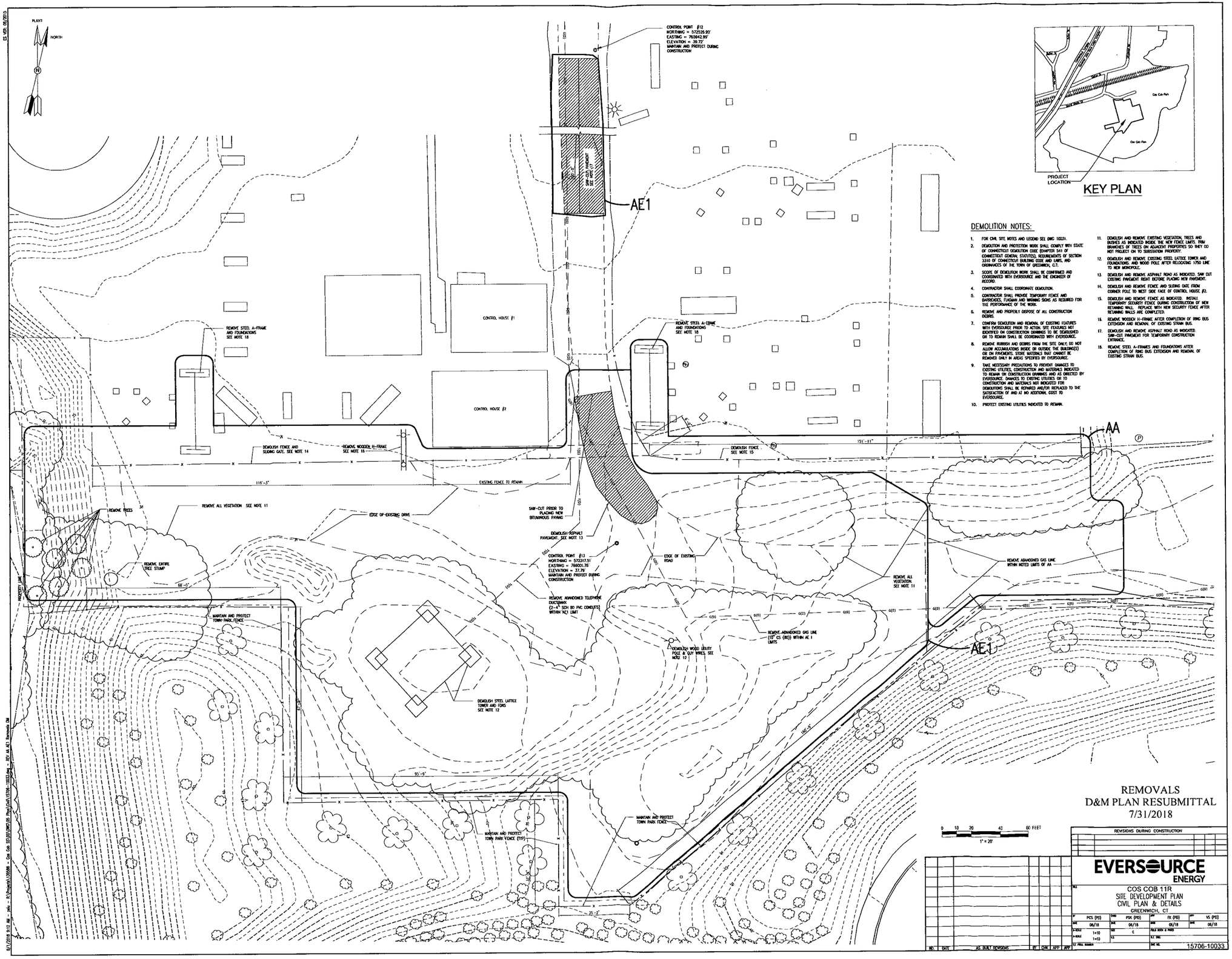
CF-3	572352.87	766036.80	
CF-4	572356.53	766041.17	
CF-5	572384.61	766153.79	
CF-6	572384.76	766158.73	GATE POST
CF-7	572345.36	766163.57	ADJUST TO SUIT
CF-8	572340.73	766164.73	
CF-9	572330.43	766126.08	
CF-10	572243.00	765962.32	
CF-11	572233.71	766006.69	
CF-12	572208.85	765913.91	
CF-13	572275.34	765896.97	
CF-14	572258.58	765827.24	
CF-15	572299.99	765816.92	
CF-16	572330.10	765932.29	

ACCESS ROAD CURVE DATA			
CURVE NO	NORTHING	EASTING	RADIUS
C-1	572452.93	766129.84	102.8
C-2	572281.60	766092.95	72.5
C-3	572358.64	766009.27	22.5
C-4	572406.76	766085.28	112.5

RETAINING WALL CONTROL POINT (@ EXTERIOR FACE)			
ID NO	NORTHING	EASTING	REMARKS
RT-1	572276.01	765860.05	
RT-2	572211.06	765914.51	
RT-3	572218.80	765945.04	
RT-4	572199.61	766011.80	
RT-5	572193.79	766013.27	
RT-6	572199.87	766037.25	
RT-7	572329.52	766131.81	
RT-8	572354.11	766038.72	
RT-9	572364.43	766091.13	
RT-10	572362.19	766123.06	

KEY PLAN



KEY PLAN

DEMOLITION NOTES:

1. FOR CIVIL SITE NOTES AND LEGEND SEE DWG 10031.
2. DEMOLITION AND PROTECTION WORK SHALL COMPLY WITH STATE OF CONNECTICUT DEMOLITION CODE (CHAPTER 541 OF CONNECTICUT GENERAL STATUTES), REQUIREMENTS OF SECTION 3310 OF CONNECTICUT BUILDING CODE AND LAWS, AND ORDINANCES OF THE TOWN OF GREENWICH, CT.
3. SCOPE OF DEMOLITION WORK SHALL BE CONFIRMED AND COORDINATED WITH EVERSOURCE AND THE ENGINEER OF RECORD.
4. CONTRACTOR SHALL COORDINATE DEMOLITION.
5. CONTRACTOR SHALL PROVIDE TEMPORARY FENCE AND BARRICADES, FLAGMAN AND WARNING SIGNS AS REQUIRED FOR THE PERFORMANCE OF THE WORK.
6. REMOVE AND PROPERLY DISPOSE OF ALL CONSTRUCTION DEBRIS.
7. CONFIRM DEMOLITION AND REMOVAL OF EXISTING FEATURES WITH EVERSOURCE PRIOR TO ACTION. SITE FEATURES NOT IDENTIFIED ON CONSTRUCTION DRAWINGS TO BE DEMOLISHED OR TO REMAIN SHALL BE COORDINATED WITH EVERSOURCE.
8. REMOVE RUBBISH AND DEBRIS FROM THE SITE DAILY. DO NOT ALLOW ACCUMULATIONS INSIDE OR OUTSIDE THE BUILDING(S) OR ON PAVEMENTS. STORE MATERIALS THAT CANNOT BE REMOVED DAILY IN AREAS SPECIFIED BY EVERSOURCE.
9. TAKE NECESSARY PRECAUTIONS TO PREVENT DAMAGES TO EXISTING UTILITIES, CONSTRUCTION AND MATERIALS INDICATED TO REMAIN ON CONSTRUCTION DRAWINGS AND AS DIRECTED BY EVERSOURCE. DAMAGES TO EXISTING UTILITIES OR TO CONSTRUCTION AND MATERIALS NOT INDICATED FOR DEMOLITIONS SHALL BE REPAIRED AND/OR REPLACED TO THE SATISFACTION OF AND AT NO ADDITIONAL COST TO EVERSOURCE.
10. PROTECT EXISTING UTILITIES INDICATED TO REMAIN.
11. DEMOLISH AND REMOVE EXISTING VEGETATION, TREES AND BUSHES AS INDICATED INSIDE THE NEW FENCE LIMITS, TRIM BRANCHES OF TREES ON ADJACENT PROPERTIES SO THEY DO NOT PROJECT ON TO SUBSTATION PROPERTY.
12. DEMOLISH AND REMOVE EXISTING STEEL LATTICE TOWER AND FOUNDATIONS, AND WOOD POLE AFTER RELOCATING 1750 LINE TO NEW MONOPOLE.
13. DEMOLISH AND REMOVE ASPHALT ROAD AS INDICATED. SAW CUT EXISTING PAVEMENT RIGHT BEFORE PLACING NEW PAVEMENT.
14. DEMOLISH AND REMOVE FENCE AND SLIDING GATE FROM CORNER POLE TO WEST SIDE FACE OF CONTROL HOUSE #2.
15. DEMOLISH AND REMOVE FENCE AS INDICATED. INSTALL TEMPORARY SECURITY FENCE DURING CONSTRUCTION OF NEW RETAINING WALL. REPLACE WITH NEW SECURITY FENCE AFTER RETAINING WALLS ARE COMPLETED.
16. REMOVE WOODEN H-FRAME AFTER COMPLETION OF RING BUS EXTENSION AND REMOVAL OF EXISTING STRAIN BUS.
17. DEMOLISH AND REMOVE ASPHALT ROAD AS INDICATED. SAW-CUT PAVEMENT FOR TEMPORARY CONSTRUCTION ENTRANCE.
18. REMOVE STEEL A-FRAMES AND FOUNDATIONS AFTER COMPLETION OF RING BUS EXTENSION AND REMOVAL OF EXISTING STRAIN BUS.

REMOVALS
D&M PLAN RESUBMITTAL
7/31/2018

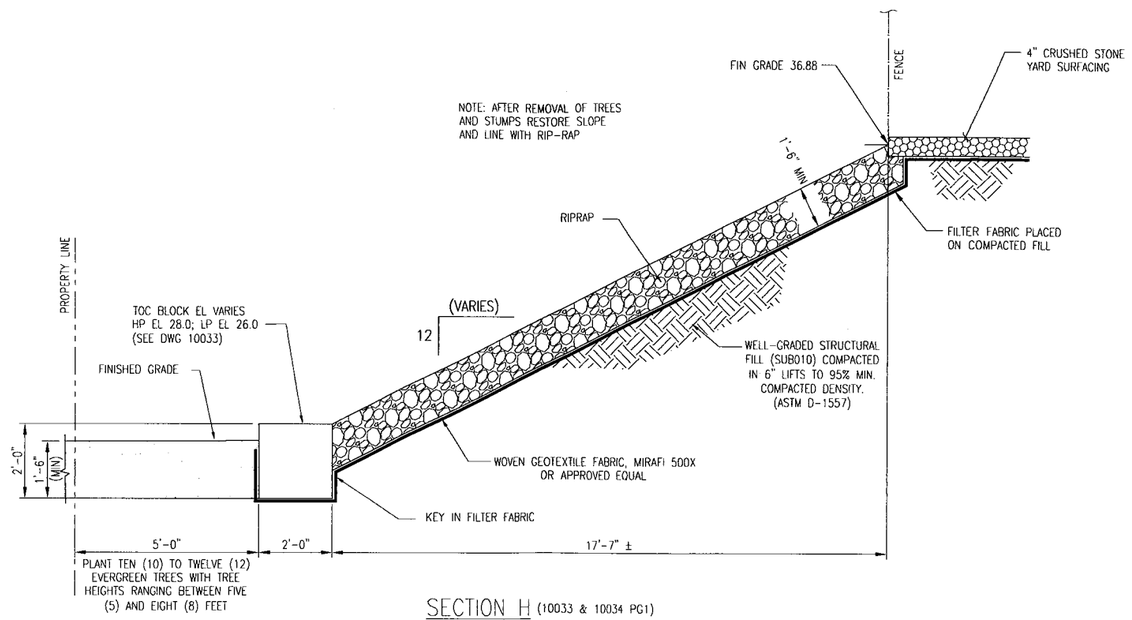
NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP	APP

REVISIONS DURING CONSTRUCTION

EVERSOURCE ENERGY

COS COB 11R
SITE DEVELOPMENT PLAN
CIVIL PLAN & DETAILS
GREENWICH, CT

BY PCS (PD)	CHKD PSK (PD)	DWN FK (PD)	APP VS (PD)
DATE 06/18	DATE 06/18	DATE 06/18	DATE 06/18
H-SCALE 1=10	SCE ¢	FIELD BOOK & PAGE	
V-SCALE 1=10	T.S.	E.C. DWG.	
E.C. FIELD NUMBER		DWG NO. 15706-10033	



SECTION H (10033 & 10034 PG1)

NTS

D&M PLAN RESUBMITTAL
7/31/2018

0 5 10 20 30 FEET
1" = 10

NO.	DATE	AS BUILT REVISIONS	BY	CHK	APP	APP

REVISIONS DURING CONSTRUCTION

EVERSOURCE ENERGY

COS COB 11R
GRADING PROFILES
CIVIL PLAN & DETAILS
GREENWICH, CT

DR	PCS (PE3)	COND	PSK (PE2)	APP	FK (PE0)	APP	VS (PE0)
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V-SCALE	AS NOTED	CK		A.I. NO.			
U.I. PROJ. NUMBER				DWG. NO.	15706-10034 PG 3		

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CS VER. 05/2015