



March 31, 2020

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

RE: **PETITION NO. 1387**, Bloom Energy Corporation petition for a declaratory ruling, pursuant to Connecticut General Statutes § 4-176 and § 16-50k, for the proposed construction, maintenance, and operation of a grid-side 10-megawatt (MW) fuel cell facility and associated equipment to be located at Eversource Energy's existing Judd Brook electrical distribution substation, 160 Old Amston Road, Colchester, Connecticut – Development and Management Plan

Dear Attorney Bachman:

On March 26, 2020, the Connecticut Siting Council (“Council”) considered and approved the Development and Management (“D&M”) Plan for the above-reference project. In compliance with the conditions set forth in the letter dated March 27, 2020, Bloom Energy Corporation (“Bloom”) is submitting the following and enclosed information.

1. Submit a drawing depicting the location of the laydown area, the material stockpile location and revised Drawing Nos. G1.1, C1.1 and C2.4 to depict the final erosion and sedimentation control measures consistent with the Wetland and Vernal Pool Protection Plan prior to commencement of construction; and.

Please see the attached drawing PLN-05 from the Airline Trail Watermain extension which shows the approximate location of the Temporary Laydown Area and the Temporary Material Stockpile Area. Additionally, attached are the final Drawings Nos. G1.1, C1.1, and C2.4.

2. Submit a copy of the final results of the ISO-NE project interconnection review.

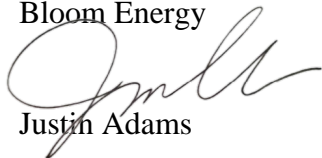
The ISO-NE project interconnection review is still in the study phase. Results of the review will be forwarded to the Council upon receipt.

We would like to inform the Council that we had a change in the construction contractor as previously noted in our February 14, 2020 letter. The construction contractor is as follows:

*TN Ward Company Builders
129 Coulter Ave
Ardmore, PA 19003
Phone: 610.649.0400*

Should you have any questions, concerns, or require additional information, please contact me at (860) 839-8373.

Respectfully,
Bloom Energy

A handwritten signature in black ink, appearing to read "Justin Adams", written over the printed name.

Justin Adams

justin.adams@bloomenergy.com
(860) 839-8373

REVISION HISTORY

REV	REVISION ISSUE	DATE
-	INITIAL RELEASE	01/03/2020
1	UPDATES PER CSC DAM PLAN INTERROGATORIES	03/10/2020

DESIGNED BY KATE TAYLOR	REVIEWED BY CHAD PEARSON
DRAWN BY SURESH KUMAR	APPROVED BY GREENBERG FARROW

SHEET TITLE

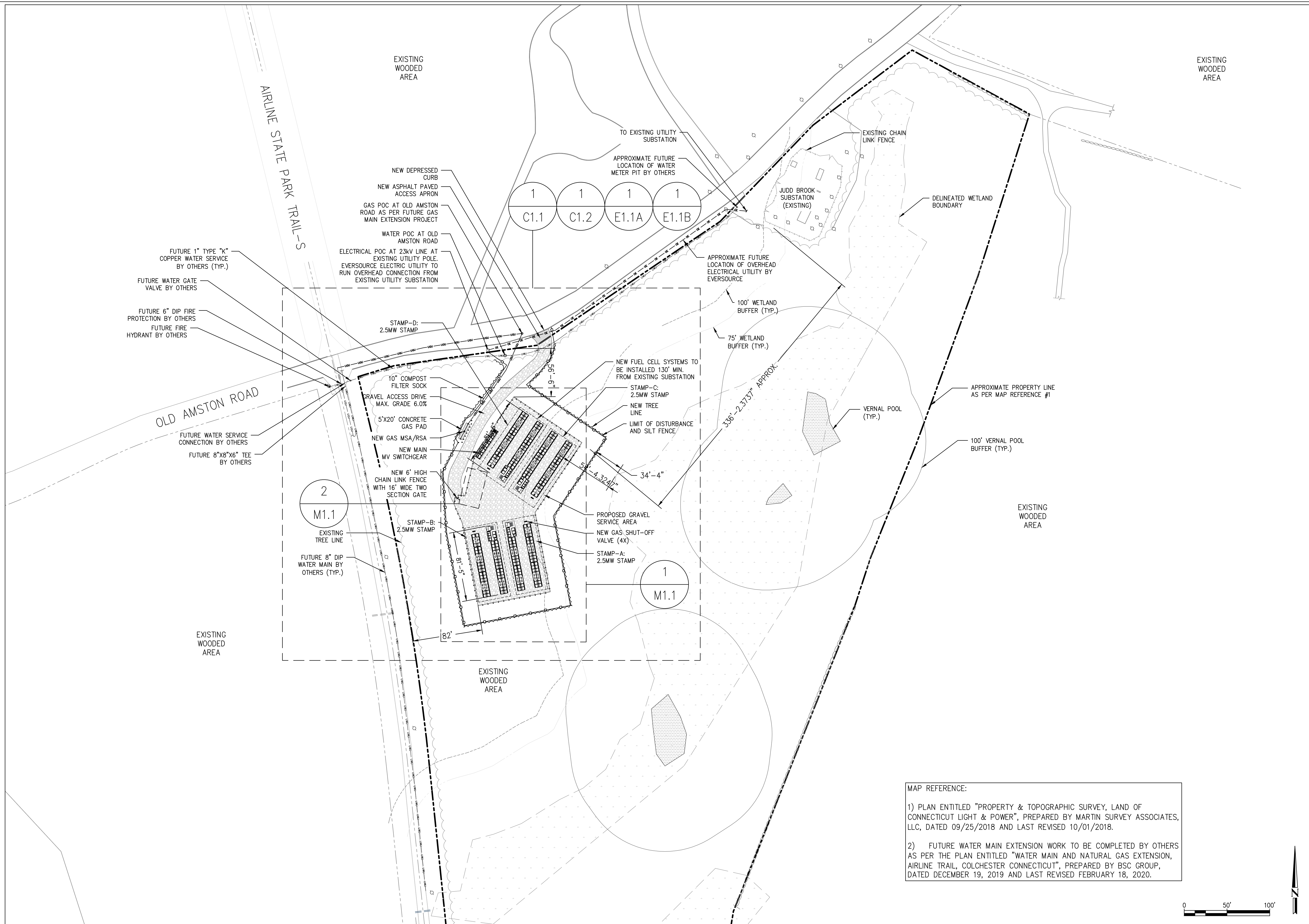
OVERALL
SITE PLAN

DRAWING NUMBER

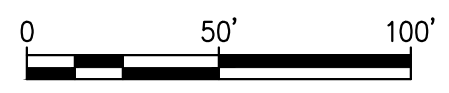
G1.1

BLOOM DOCUMENT

DOC-1010853



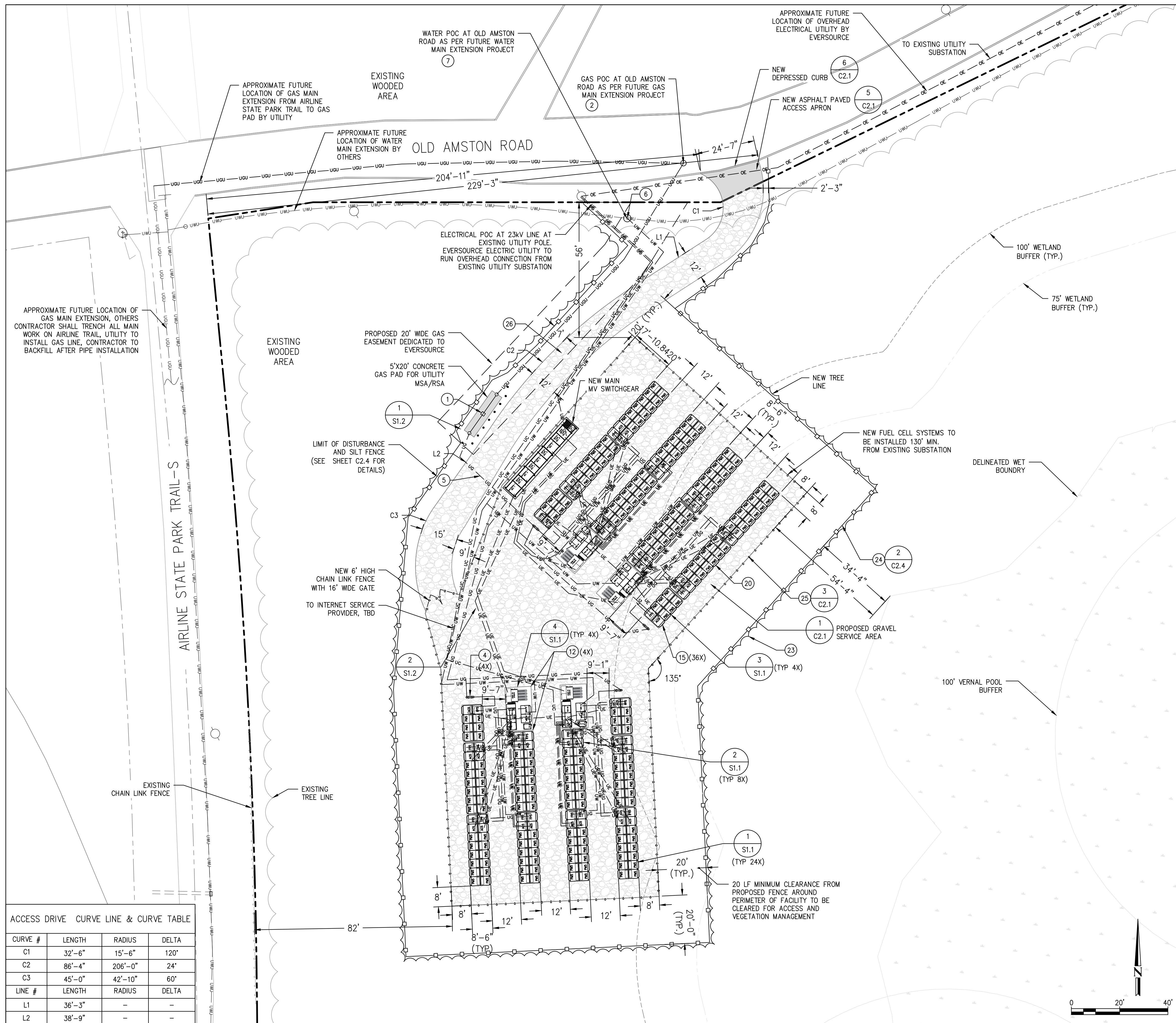
MAP REFERENCE:
1) PLAN ENTITLED "PROPERTY & TOPOGRAPHIC SURVEY, LAND OF CONNECTICUT LIGHT & POWER", PREPARED BY MARTIN SURVEY ASSOCIATES, LLC, DATED 09/25/2018 AND LAST REVISED 10/01/2018.
2) FUTURE WATER MAIN EXTENSION WORK TO BE COMPLETED BY OTHERS AS PER THE PLAN ENTITLED "WATER MAIN AND NATURAL GAS EXTENSION, AIRLINE TRAIL, COLCHESTER CONNECTICUT", PREPARED BY BSC GROUP, DATED DECEMBER 19, 2019 AND LAST REVISED FEBRUARY 18, 2020.



OVERALL SITE PLAN

SCALE: 1" = 50'

1
G1.1



ACCESS DRIVE CURVE LINE & CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA
C1	32'-6"	15'-6"	120°
C2	86'-4"	206'-0"	24°
C3	45'-0"	42'-10"	60°
LINE #	LENGTH	RADIUS	DELTA
L1	36'-3"	-	-
L2	38'-9"	-	-

DETAILED SITE PLAN
SCALE: 1" = 20'

1
C1.1

GENERAL NOTES

- CLEAN AND PRIME ALL NEW WIRE MOUNTED PIPING AND CONDUIT. PIPING AND CONDUIT SHALL BE PAINTED WITH EXTERIOR GRADE PAINT TO MATCH EXISTING.
- CONDUITS AND PIPES MOUNTED TO BUILDING WALL SHALL BE SUPPORTED AS PER LOCAL CODE, RUN AT HEIGHT ABOVE DOORWAYS, AND STAND OFF WALL TO AVOID EXISTING CONDUITS AND PIPES.
- SLOPE LINES SHOWN ARE APPROXIMATE AND INTENDED TO SHOW THE GENERAL DIRECTION OF WATER RUN OFF; SLOPE LINES ARE DRAWN PER VISUAL SURVEY OF SURROUNDING AREA.
- SEE BLOOM ENERGY PRODUCT INSTALLATION DRAWINGS FOR UTILITY CONNECTIONS TO ANCILLARY EQUIPMENT AND ENERGY SERVER.
- ALL ABOVE FROST LINE SECTIONS OF WATER PIPES SHALL HAVE POWERED HEAT TRACE AND INSULATION, ENSURE UNDERGROUND WATER PIPE DEPTHS ARE BELOW FROST LINE.
- VAULTS/PULL BOXES SHOWN OR NOT SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL FURNISH AND INSTALL VAULT/PULL BOX TO CONDUIT RUN WITH MORE THAN 360-DEG BENDS. COORDINATE EXACT LOCATION WITH CUSTOMER REPRESENTATIVE IN THE FIELD. CONTRACTOR SHALL SIZE VAULT/PULL BOX IN COMPLIANCE WITH NEC CODE REQUIREMENTS. ALL VAULTS AND COVERS IN DRIVE AISLES SHALL BE HEAVY DUTY IN CONFORMANCE WITH AASHTO H20 LOADING.

REFERENCE SHEET NOTES

- NEW UTILITY PROVIDED AND INSTALLED GAS METER & REGULATOR ASSEMBLY WITH SHUT-OFF VALVE. CONTRACTOR SHALL PROVIDE PAD PER DETAILS IF REQUIRED BY UTILITY COMPANY. COORDINATE ALL CONNECTIONS WITH GAS UTILITY.
- NEW UNDERGROUND GAS SERVICE TAP BY UTILITY COMPANY. COORDINATE WITH GAS UTILITY. CONTRACTOR SHALL PERFORM COMPACTION AND MATCH EXISTING SURFACE AND GRADE. CONTRACTOR SHALL COORDINATE GAS PIPE SIZING AND INSTALLATION REQUIREMENTS WITH UTILITY. UTILITY TO INSTALL 8" MAIN IN STREET AND 6" GAS LINE ON PROPERTY TO GAS PAD.
- NEW PRIVATE GAS SHUT-OFF VALVE. REFER TO GAS RISER DETAIL FOR ADDITIONAL REQUIREMENTS.
- NEW GAS PIPE SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. REFER TO GAS RISER DETAIL FOR ADDITIONAL REQUIREMENTS.
- TAP EXISTING WATER LINE AT WATER METER PIT WITH A LOCAL SHUT-OFF VALVE. REFER TO DOMESTIC WATER CONNECTION DETAIL FOR ADDITIONAL REQUIREMENTS.
- NEW WATER PIPE SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. REFER TO WATER RISER DETAIL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE TWO GROUNDING RODS TO BE PLACED 6' APART MINIMUM. REFER TO ELECTRICAL SINGLE LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- NEW ELECTRICAL FEEDER SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. REFER TO ELECTRICAL SINGLE LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- NEW BLOOM ENERGY SERVER. REFER TO BLOOM STANDARD INSTALLATION DRAWING SET FOR ADDITIONAL ENERGY SERVER DETAILS.
- FACTORY WIRED ENERGY SERVER EMERGENCY POWER-OFF SWITCH (EPO).
- CONTRACTOR SHALL EXCAVATE UNDER ENERGY SERVER AND ANCILLARY PAD LOCATIONS. REFER TO PAD DETAIL FOR ADDITIONAL EXCAVATION AND BACKFILL REQUIREMENTS.
- CONTRACTOR TO REMOVE TREES AND CLEAR AREA FOR INSTALLATION OF ENERGY SERVERS AND ASSOCIATED EQUIPMENT. PROVIDE 10' MINIMUM CLEARANCE FROM PROPOSED ENERGY SERVER TO DRIP LINE OF ANY EXISTING TREES.
- PROPOSED LIMIT OF DISTURBANCE AND SEDIMENT CONTROL BARRIER.
- NEW 6' HIGH CHAIN LINK FENCE WITH PRIVACY SCREENING.
- PROPOSED GRAVEL ACCESS DRIVE (MAX GRADE 6%) FOR SERVICE VEHICLES. SEE DETAIL 1/C2.1 FOR ADDITIONAL INFORMATION.

EXISTING UTILITY NOTE:
THE LOCATION OF EXISTING UTILITIES IS SHOWN FOR THE CONTRACTOR'S REFERENCE. EXACT LOCATION, DEPTH AND SIZE OF ALL EXISTING UTILITIES IS NOT KNOWN. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES NOT SHOWN ON THESE DRAWINGS. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING UNDERGROUND UTILITIES AND PROTECT THE EXISTING UNDERGROUND UTILITY LINES FROM DAMAGE WHEN CROSSING WITH NEW UNDERGROUND UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY DAMAGED LINES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER FROM THOSE REPRESENTED HEREON. SUCH CONDITIONS COULD RENDER THE DESIGNS HEREON IN APPROPRIATE AND MAY REQUIRE ADJUSTMENTS TO AVOID CONFLICTS.

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4353 N 1ST STREET
SAN JOSE, CA 95134
PROPRIETARY AND CONFIDENTIAL

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153 Cordaville Road, Suite 210
Southborough, MA 01772
t: 508 229 0032

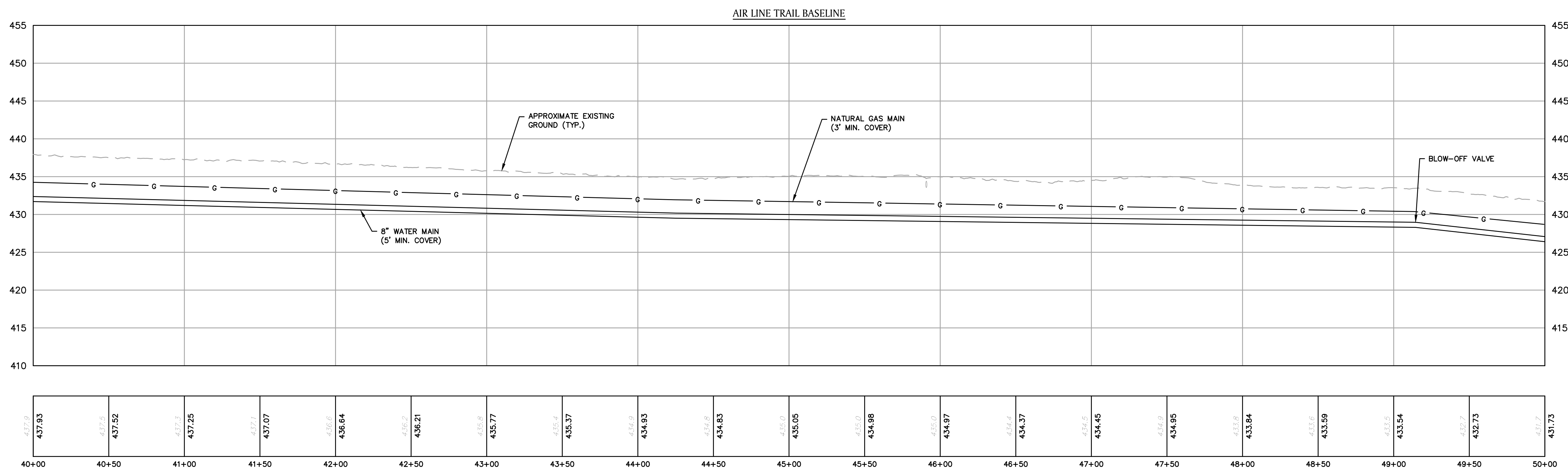
ENGINEER OF RECORD
STEPHEN POWERS, P.E.
LICENSE # 0030199

CUSTOMER SITE
EVERSOURCE
160 OLD AMSTON ROAD
COLCHESTER, CT 06415

REVISION HISTORY		
REV	REVISION ISSUE	DATE
-	INITIAL RELEASE	01/03/2020
1	UPDATES PER CSC DBM PLAN INTERROGATORIES	03/10/2020

DESIGNED BY KATE TAYLOR	REVIEWED BY CHAD PEARSON
DRAWN BY SURESH KUMAR	APPROVED BY GREENBERG FARROW

SHEET TITLE	
DETAILED SITE PLAN	
DRAWING NUMBER	C1.1
BLOOM DOCUMENT	DOC-1010853
THIS DRAWING IS 24" X 36" AT FULL SIZE	
SITE ID: EVS000.0	SHEET 04 OF 18



ROBERT NEWTON, PE No. 20662

WATER MAIN EXTENSION

**AIRLINE TRAIL
IN
COLCHESTER CONNECTICUT**

UTILITY PLAN & PROFILE

SEPTEMBER 4, 2019

REVISIONS:

NO.	DESCRIPTION

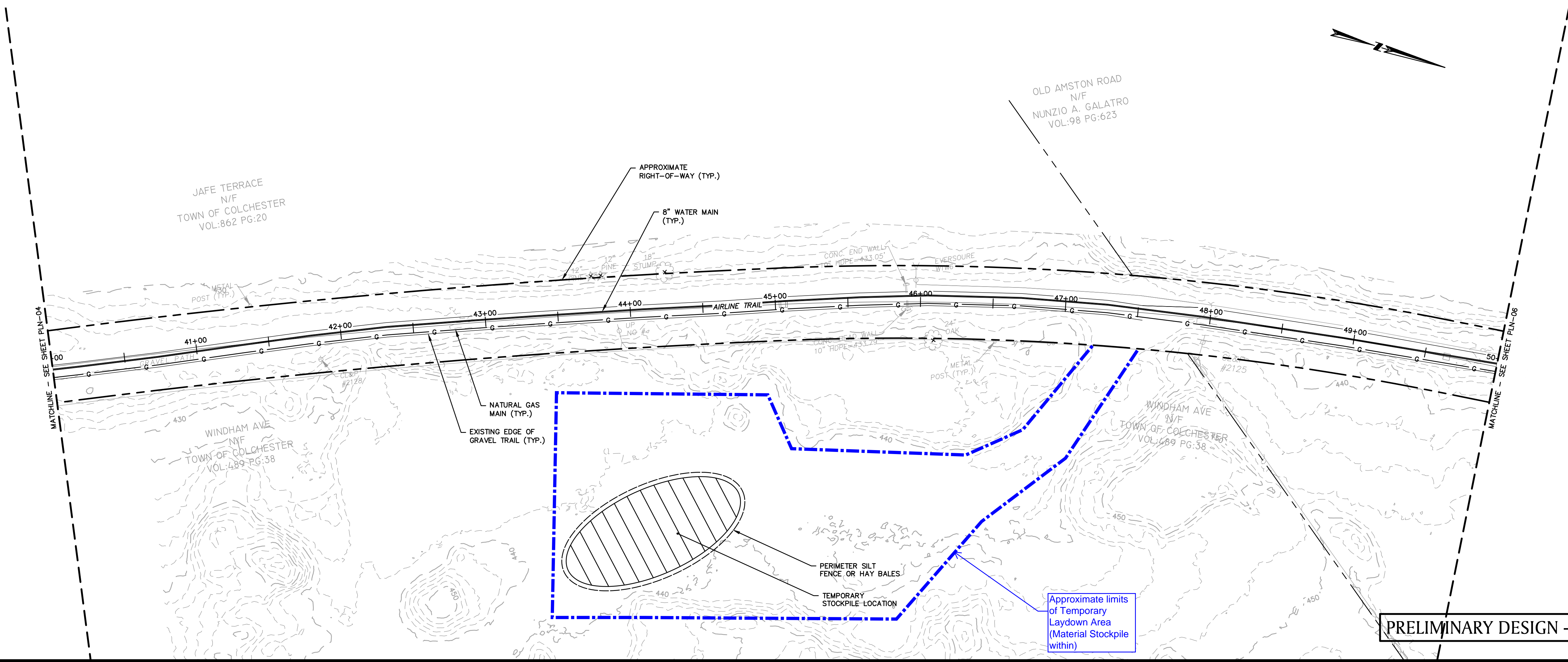
PREPARED FOR:
BLOOM ENERGY - CONNECTICUT
1299 ORLEANS DRIVE
SUNNYVALE, CA 94089

BSC GROUP
300 Winding Brook Drive
Glastonbury, Connecticut 06033
860 652 8227

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SCALE: 1" = 40'
0 20 40 80 FEET

FILE: 8372300-BASE.DWG
DWG. NO:
JOB. NO: 83723.00

PLN-05



PRELIMINARY DESIGN - DRAFT