

What Powers You

July 12th, 2023

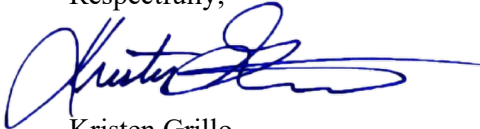
Melanie Bachman, Esq.
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RE: PETITION NO. 1497A - Bloom Energy Corporation amended petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a customer-side 2-megawatt fuel cell facility and associated equipment to be located at Bridgeport Hospital, 267 Grant Street, Bridgeport, Connecticut.

Dear Ms. Bachman:

Please see the attached responses to the second set of interrogatories provided to Bloom Energy on June 20th, 2022. For interrogatory question #11, we are respectfully requesting an additional extension to provide the completed photo simulations to the Council no later than Thursday, July 20th. We greatly appreciate your consideration for this request in advance.

Respectfully,



Kristen Grillo
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**Petition No. 1497A
Bloom Energy Corporation
Bridgeport Hospital
267 Grant Street, Bridgeport**

**Interrogatories – Set 2
June 21, 2023**

Project Development

9. Referring to Interrogatory response 3, what potential visual mitigation measures could be incorporated into the project design consistent with the City of Bridgeport's urban design standards?

Response: Bloom has incorporated evergreen plantings at the east and west sides of the proposed installation. Because there is limited space between the existing fence and the fuel cell cabinets, Bloom has selected Sky Pencil hollies to provide visual interest and greenery and soften views of the Facility along Central Avenue, a major artery for both pedestrian and vehicular traffic. Arborvitaes will be installed between the proposed installation and the eastern property line. There is insufficient room along Ford Place to install plantings, and relocation to the north is not possible due to the need to minimize removal of additional parking spaces in the existing lot. Please see Attachment A for revised site plan.

Public Safety

10. Referring to Response 8a, what color and/or alternate design options (ex. solid barrier design) are available that would match the surrounding area?

Response: The surrounding area consists of a variety of structures and a parking lot. The most prominent structure is the concrete parking garage located north of the proposed installation. The proposed cabinets are a neutral color that should blend with existing colors in use on sided or painted buildings. See Attachment B (existing fuel cell installations at Stamford Hospital and Milford Hospital). The manufacturer of the sound barrier material offers two colors: black and a "faux ivy" pattern. Bloom has not selected the faux ivy, which seems more suited visually to applications where the intent would be to mimic ivy growth on building façades. Please see Attachment C.

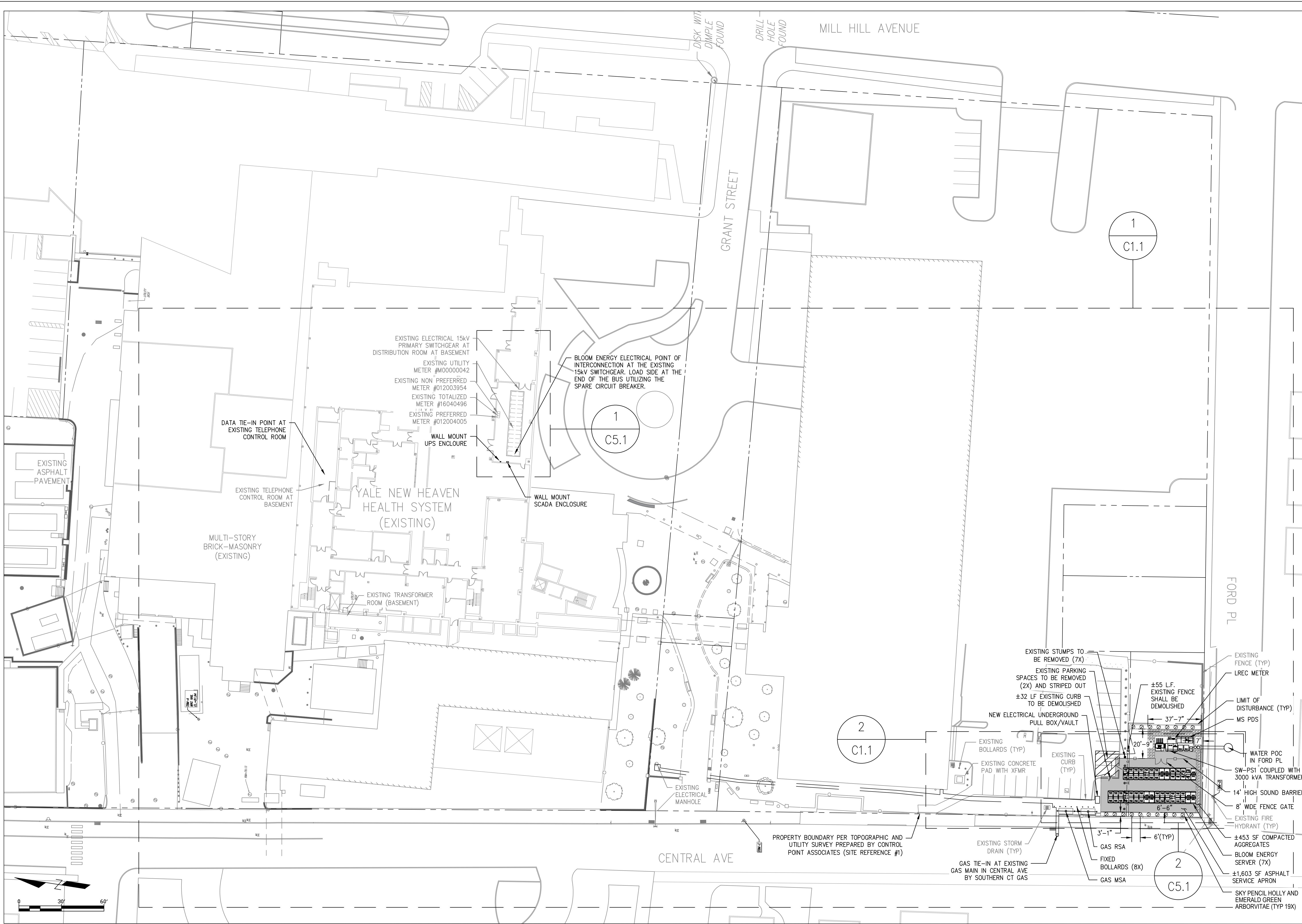
11. Referring to Response 8c, provide photo-simulations of the proposed sound barrier viewed from publicly accessible areas in the front of 25/27 Ford Place and from Ford Place along the north side of the parcel at 1498 Central Avenue.

Response: The requested photo-simulations will be provided as soon as available.

12. How would the proposed sound barrier be maintained and who would be responsible for its maintenance?

Response: Under the terms of the agreement with Yale New Haven ("YNH"), YNH is responsible for maintenance of the Site, including the sound barrier.

Attachment A: Revised Site Plan



CUSTOMER SITE
 YALE NEW HAVEN
 HEALTH SYSTEM
 267 GRANT STREET
 BRIDGEPORT, CT 06610



RELEASE HISTORY		
REV	ISSUE PURPOSE	DATE
-	INITIAL RELEASE	05/15/2023

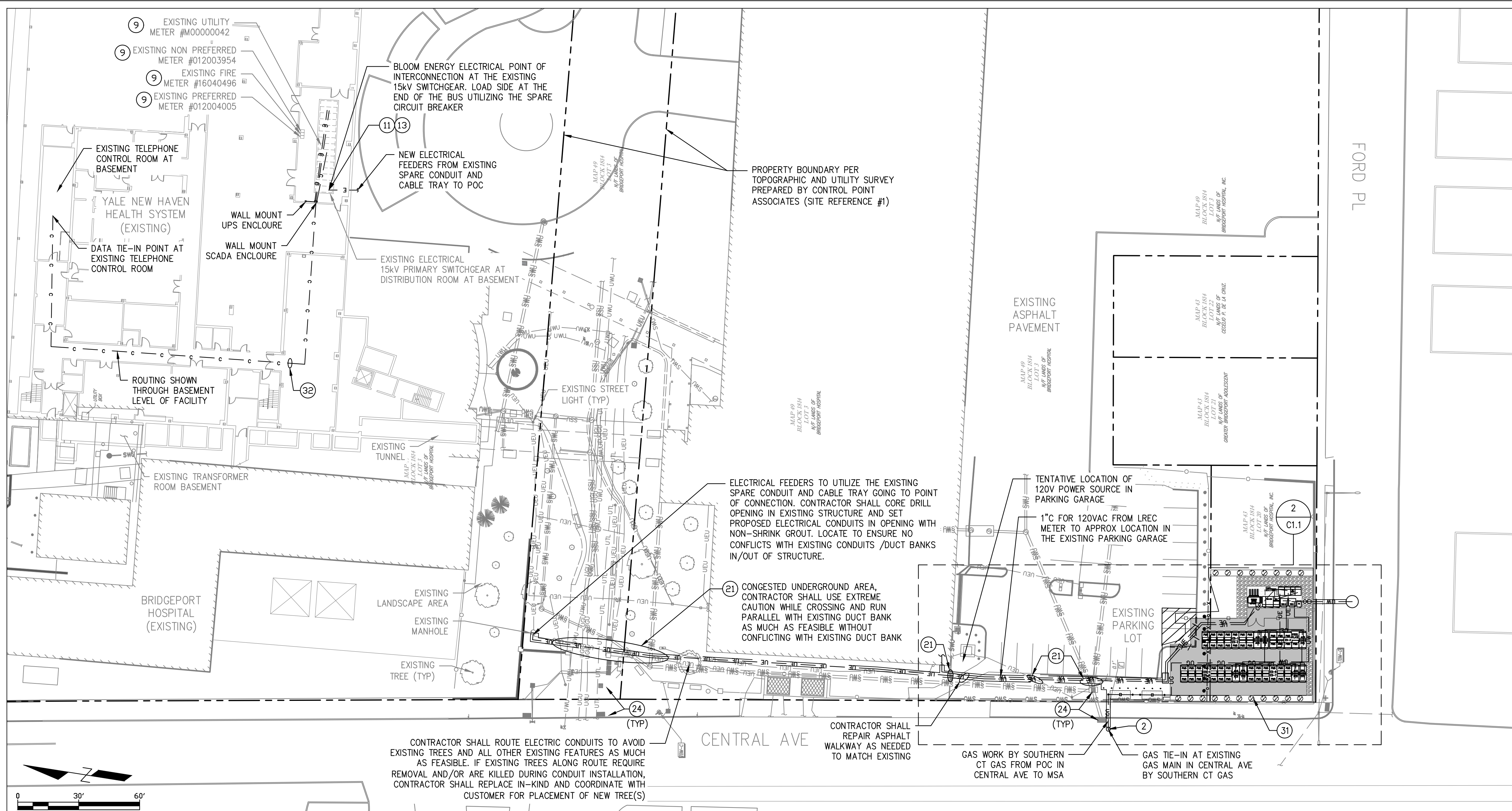
DESIGNED BY SASHA SCARLAT	REVIEWED BY KATE TAYLOR
DRAWN BY LAKSHMI SRINIVAS	APPROVED BY CARSON P. TURNER

SHEET TITLE GENERAL SITE PLAN	
DRAWING NUMBER G1.1	BLOOM ENERGY DOCUMENT NUMBER DOC-1014143
THIS DRAWING IS 24" X 36" AT FULL SIZE	
SITE ID: YNH004.0	SHEET 03 OF 17

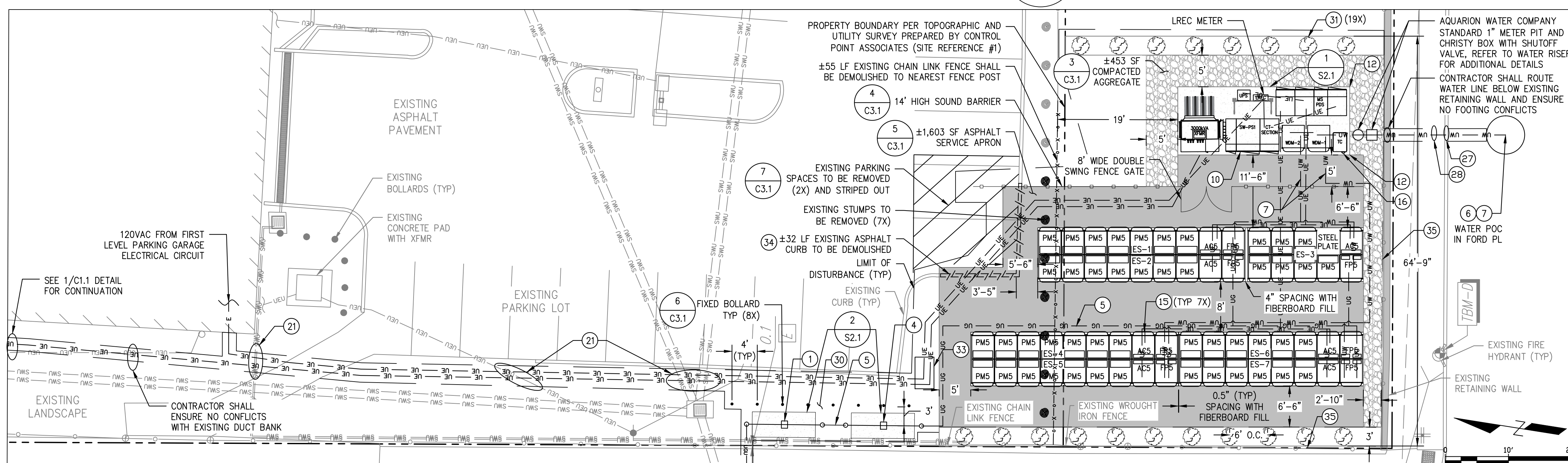
SITE REFERENCE NOTES:
 1. BOUNDARY, TOPOGRAPHIC, FLOOR PLAN AND UTILITY SURVEY PREPARED BY CONTROL POINT ASSOCIATES, INC., DATED MARCH 24, 2023
 2. MASTER PLAN - EXISTING FLOOR PLAN PREPARED BY BRIDGEPORT HOSPITAL, INC., DATED MARCH 14, 2017.
 3. BING MAPS.

GENERAL SITE PLAN
 SCALE: 1" = 30'

June 28, 2023 03:08:37 PM



UTILITY SITE PLAN
SCALE: 1" = 10'



UTILITY SITE PLAN ENLARGEMENT
SCALE: 1" = 10'

- SITE REFERENCE NOTES:**
- BOUNDARY, TOPOGRAPHIC, AND UTILITY SURVEY PREPARED BY CONTROL POINT ASSOCIATES, INC., DATED NOVEMBER 30, 2022
 - MASTER PLAN - EXISTING FLOOR PLAN PREPARED BY BRIDGEPORT HOSPITAL, INC., DATED MARCH 14, 2017.
 - BING MAPS.

GENERAL NOTES

- CLEAN AND PRIME ALL NEW WALL 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.
- SEE BLOOM ENERGY PRODUCT INSTALLATION DRAWINGS FOR UTILITY CONNECTIONS TO ANCILLARY EQUIPMENT AND ENERGY SERVER.
- ALL EXISTING FEATURES SHALL REMAIN AND BE PROTECTED THROUGHOUT THE DURATION OF CONSTRUCTION, UNLESS OTHERWISE NOTED ON PLANS.
- ALL ABOVE FROST LINE SECTIONS OF WATER PIPES SHALL HAVE POWERED HEAT TRACE AND INSULATION. CONTRACTOR SHALL ENSURE UNDERGROUND WATER PIPE DEPTHS ARE BELOW FROST LINE.

REFERENCE SHEET NOTES

- NEW UTILITY PROVIDED AND INSTALLED GAS METER ASSEMBLY WITH SHUT-OFF VALVE. CONTRACTOR SHALL PROVIDE CONCRETE PAD IN ACCORDANCE WITH UTILITY SPECIFICATIONS AND COORDINATE ALL CONNECTIONS WITH GAS UTILITY.
- NEW UNDERGROUND GAS SERVICE TAP BY UTILITY COMPANY. UTILITY COMPANY SHALL BE RESPONSIBLE FOR ENTIRE INSTALLATION FROM POINT OF CONNECTION TO NEW GAS METER. CONTRACTOR SHALL COORDINATE WITH GAS UTILITY FOR SCHEDULE OF THIS WORK PRIOR TO CONSTRUCTION.
- NEW PRIVATE GAS REGULATOR SET ASSEMBLY FOR ENERGY SERVER WITH SHUT-OFF VALVE. REFER TO GAS RISER DETAIL FOR ADDITIONAL REQUIREMENTS.
- NEW GAS PIPE DOWNSTREAM OF THE METER AND REGULATOR SET ASSEMBLIES TO THE SERVERS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. REFER TO GAS RISER DETAIL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL HIRE AN AQUARIUM APPROVED TAPPING CONTRACTOR TO PERFORM A ONE INCH TAP ON AWC MAIN WITHIN FORD PLACE WITH A LOCAL SHUT-OFF AND METER PIT. REFER TO WATER RISER DETAIL FOR ADDITIONAL REQUIREMENTS.
- NEW WATER PIPE SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. REFER TO WATER RISER DETAIL FOR ADDITIONAL REQUIREMENTS.
- EXISTING UTILITY ELECTRIC METER. REFER TO ELECTRICAL SINGLE LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- BLOOM ENERGY SHALL FURNISH AND CONTRACTOR SHALL INSTALL DISCONNECT SWITCH. MOUNT DISCONNECT SWITCH TO THE WALL PER MANUFACTURER AND UTILITY SPECIFICATIONS.
- CONTRACTOR SHALL TERMINATE ELECTRIC FEEDER AS SHOWN. REFER TO ELECTRICAL SINGLE LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL FURNISH AND INSTALL TWO GROUNDING RODS PLACED A MINIMUM OF 6' APART. REFER TO ELECTRICAL SINGLE LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL FURNISH AND INSTALL ELECTRICAL FEEDER. REFER TO ELECTRICAL SINGLE LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- PROPOSED BLOOM ENERGY SERVER MOUNTED ON A PRECAST CONCRETE PAD. PRECAST CONCRETE PAD DESIGNED BY PRECAST MANUFACTURER. REFER TO PRODUCT INSTALLATION DRAWINGS FOR ADDITIONAL BLOOM ENERGY SERVER AND PRECAST PAD DETAILS INCLUDING STUB UP DETAILS AND PAD CUT-OUT LOCATIONS. REFER TO SINGLE LINE DIAGRAM FOR USER REQUIREMENTS.
- FACTORY WIRED BLOOM ENERGY SERVER EMERGENCY POWER-OFF SWITCH (EPO).
- PROTECT EXISTING UNDERGROUND UTILITY LINES FROM DAMAGE AND HAND DIG TRENCHES AS NEEDED WHEN CROSSING WITH NEW UNDERGROUND UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY DAMAGED LINES.
- PROVIDE STORM DRAIN PROTECTION OUTFLOW PORTS AT STORM DRAIN INLET. REFER TO STORM DRAIN PROTECTION DETAIL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL UNDER-CUT EXISTING CURB FOR TRENCHING UTILITY LINES AND BACKFILL WITH CONCRETE SLURRY. IF CURB IS DAMAGED, REPAIR TO MATCH EXISTING.
- CONTRACTOR SHALL REMOVE AND REPLACE CONCRETE SIDEWALK TO THE NEAREST JOINT AS REQUIRED TO COMPLETE THE WORK. REFER TO CONCRETE SIDEWALK DETAIL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL RESTORE LANDSCAPE TO ITS ORIGINAL STATE IN AREAS WHERE DISTURBANCE OCCURRED. REFER TO LANDSCAPE RESTORATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL FURNISH AND INSTALL PROPOSED TREE. REFER TO PLANTING DETAIL FOR ADDITIONAL INFORMATION. WESTERN ROW OF TREES ALONG CENTRAL AVENUE SHALL BE SKY PENCIL HOLLY INSTALLED AT 6' O.C. SPACING, 5 GALLON CONTAINER (TYP 11X). EASTERN ROW OF TREES ADJACENT TO RESIDENTIAL PROPERTY SHALL BE EMERALD GREEN ARBORVITAE INSTALLED AT 6' O.C. SPACING, 4'-5' HEIGHT (TYP 8X).
- CONTRACTOR SHALL MOUNT ELECTRICAL AND/OR DATA CONDUIT ROUTING THROUGH BUILDING IN CEILING. CONTRACTOR SHALL COORDINATE EXACT ROUTING AND MEANS AND METHODS OF INSTALLATION WITH CUSTOMER REPRESENTATIVE IN THE FIELD PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL FURNISH AND INSTALL ELECTRICAL PULL BOXES EVERY 360 DEGREES OR LESS OF HORIZONTAL AND VERTICAL BENDS. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT NUMBER, SIZE, AND LOCATION OF THE PULL BOXES AND SHALL INSTALL IN ACCORDANCE WITH NEC 314.28. MINIMUM SIZE OF THE PULL BOX SHALL BE [36" x 60"]. PULL BOX SIZES SHOWN ARE MINIMUM SIZE BASED ON PROPOSED ROUTING PER SITE PLAN. IF THE PULL ANGLE IS CHANGED DUE TO FIELD CONDITION OR RE-ROUTED FOR VALUE ENGINEERING, THE CONTRACTOR SHALL RE-SIZE THE PULL BOX BASED ON PREVAILING FIELD CONDITION AND GET APPROVAL FROM THE DESIGN ENGINEER. REFER TO TYPICAL PULL BOX WALL MOUNTING DETAIL ON SHEET S3.1.
- CONTRACTOR SHALL REMOVE ±32 LF EXISTING 6" HIGH ASPHALT CURB TO EXTEND ASPHALT SERVICE APRON AND CONTRACTOR SHALL INSTALL TRANSITION CURB ON EITHER END AS NEEDED.
- CONTRACTOR SHALL USE EXTREME CAUTION WITH ALL SOIL DISTURBANCE ACTIVITIES ADJACENT TO EXISTING WROUGHT IRON FENCE AND EXISTING RETAINING WALL AND ENSURE STABILITY OF EXISTING RETAINING WALL THROUGHOUT THE DURATION OF CONSTRUCTION. IF WALL IS DAMAGED, CONTRACTOR SHALL NOTIFY EOR AND REPAIR TO MATCH EXISTING.

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. THE 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 INAPPROPRIATE AND MAY REQUIRE ADJUSTMENTS TO AVOID CONFLICTS.

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DRAWING NUMBER
C1.1

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THIS DRAWING IS 24" X 36" AT FULL SIZE
SITE ID: YNH004.0 SHEET 04 OF 17

**Attachment B: Site Photos of Existing Installations
(Stamford Hospital & Milford Hospital)**





Attachment C: Alternative Sound Barrier Design Photo



"Faux Ivy" Pattern