



VIA ELECTRONIC MAIL

August 19, 2020

Melanie Bachman
10 Franklin Square
New Britain, CT 06051

RE: PETITION NO. 1419 - 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 150-kilowatt customer-side fuel cell facility and associated equipment to be located at the Home Depot, 114 Federal Road, Danbury, Connecticut.

Dear Ms. Bachman:

Please see the attached responses to the interrogatories provided to Bloom Energy on August 14, 2020.

Sincerely,

A handwritten signature in black ink, appearing to read "Justin Adams".

Justin Adams
Permitting Manager

Bloomenergy

Connecticut
860.839.8373
justin.adams@bloomenergy.com

c: Alicia Surowiec, Bloom Energy Corporation

Petition No. 1419
Bloom Energy Corporation
Home Depot, 114 Federal Road
Danbury, Connecticut

Interrogatories – Set I

1. Please provide a detailed Site Plan of the proposed facility, including but not limited to, the dimensions and locations of the proposed fuel cell facility, concrete pads, cabinets, fence design, bollards (if applicable) and utility connections.

Response: Please see the attached site plan with dimensions and locations of the proposed fuel cell facility, concrete pads, cabinets, fence design, bollards and utility connections.

2. Regarding the sound study provided as Exhibit 6 of the Petition, how close does the proposed fuel cell have to be to a building to be considered under Scenario 1? What is the distance of the proposed fuel cell facility to the building?

Response: The building would need to be adjacent to the fuel cell or within about 6 feet to be considered under Scenario 1. The proposed facility would be 50 feet from the existing building.

3. How often would the Desulfurization units be removed and replaced?

Response: This is largely dependent on the quality of the gas. Bloom Energy continuously monitors the performance of the fuel cell and will replace the desulfurization canisters when the system indicates a need. Based on sites currently operating in Connecticut, canister replacement frequencies are averaging between 18 and 24 months.

4. Was the project selected for the LREC/ZREC program?

Response: Yes, the project was selected for the LREC program.

5. Will fuel cell operation/emergency training be conducted with City of Danbury (City) emergency responders?

Response: Yes, as part of the building permit application review process the Danbury Fire Marshal will review the project. During this review, Bloom will provide any on-site training requested by local officials.

6. Please identify the media to be used for pipe cleaning procedures at the proposed facility in accordance with Connecticut General Statutes § 16-50ii as referenced on Petition page 4.

Response: Compressed air will be used at the proposed facility.

7. Does Bloom intend to reach out to the City's Fire Marshal regarding natural gas pipe cleaning procedures prior to submission of a pipe cleaning plan/protocol?

Response: Yes, Bloom will coordinate with the Danbury Fire Marshal regarding the installation and pipe cleaning procedures prior to execution of the pipe cleaning protocol.

8. Has Bloom received a response from DEEP NDDDB? If so, please provide a copy of the correspondence.

Response: Yes, the correspondence is attached.



STORE NUMBER: 6209
114 FEDERAL ROAD
DANBURY, CT 06811



PRIOR TO COMMENCING ANY EXCAVATION OR DEMOLITION, THE CONTRACTOR SHALL CONTACT LOCAL UTILITIES, INCLUDING BUT NOT LIMITED TO ELECTRICAL, GAS, WATER, CABLE, AND TELEPHONE, REQUESTING A UTILITY MARK OUT AND AS NECESSARY RETAIN THE SERVICES OF A PRIVATE UTILITY MARK OUT COMPANY TO PERFORM SUCH MARK OUT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND VERIFY THE LOCATION OF UTILITIES, IRRIGATION, SITE LIGHTING, AND ELECTRICAL LINES IN THE VICINITY OF THE CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR ANY AND ALL UTILITIES DAMAGED BY THE CONTRACTOR'S OPERATION AT NO ADDITIONAL EXPENSE.



4353 N. FIRST STREET
SAN JOSE, CA 95134
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t: (408) 543-1500

ENGINEER OF RECORD
SRIHARI RAGHAVAN, P.E.
LICENSE # 30981

ENGINEER'S STATEMENT

I AM THE RESPONSIBLE ENGINEER OF RECORD ON THIS PROJECT AND WILL BE RESPONSIBLE FOR REVIEWING AND COORDINATING ALL SUBMITTAL DOCUMENTS PREPARED BY OTHERS, INCLUDING DEFERRED SUBMITTALS, FOR COMPATIBILITY WITH THE OVERALL DESIGN OF THE PROJECT.

SRIHARI RAGHAVAN
BLOOM ENERGY
P.E. #30981

DATE

SITE INFORMATION	PERMITTING INFORMATION	CODES	PROJECT DESCRIPTION	CONTRACTOR NOTES																																																						
<p>PARCEL INFORMATION PROPERTY OWNER THE HOME DEPOT, INC. COUNTY FAIRFIELD COUNTY TAX MAP # Mblu L08/ / 15/ 2/</p> <p>PROPERTY DESCRIPTION PROPERTY TYPE RETAIL PROPERTY AREA 391,604 SF BUILDING AREA* 111,650 SF GARDEN CENTER AREA* 26,550 SF DISTURBED AREA ±680 SF</p> <p>*BASED ON SITE PLAN 'SP-3' BY ROTONDO ENGINEERING LLC DATED 04/01/2004</p>	<p>MUNICIPAL AGENCY PLANNING DANBURY PLANNING AND ZONING (203) 797-4525 BUILDING DANBURY BUILDING DEPARTMENT (203) 797-4580 FIRE DANBURY FIRE PREVENTION (203) 796-1550</p> <p>UTILITY TYPE NATURAL GAS EVERSOURCE CT (860) 286-2000 ELECTRICAL EVERSOURCE CT (860) 286-2000 WATER DANBURY WATER DEPARTMENT (203) 797-4637</p>	<p>2018 CONNECTICUT BUILDING CODE 2015 INTERNATIONAL BUILDING CODE 2015 INTERNATIONAL EXISTING BUILDING CODE 2015 INTERNATIONAL PLUMBING CODE 2015 INTERNATIONAL MECHANICAL CODE 2015 INTERNATIONAL RESIDENTIAL CODE 2015 INTERNATIONAL ENERGY CONSERVATION CODE 2019 NFPA 70, NATIONAL ELECTRICAL CODE 2009 ICC A117.1 ACCESSIBLE AND USAGE BUILDING & FACILITIES</p>	<p>THIS PROJECT CONSISTS OF THE INSTALLATION OF ONE (1) BLOOM ENERGY ESS OUTDOOR NATURAL GAS CLEAN ENERGY SERVER. THE CLEAN ENERGY SERVER IS SUPPORTED ON A CONCRETE PAD. THE WORK INCLUDES ALL ITEMS LISTED IN THE SCOPE OF WORK.</p> <div style="text-align: center;"> <p>FRONT VIEW</p> <p>SIDE VIEW</p> </div>	<ol style="list-style-type: none"> CONTRACTOR SHALL CONTACT THE HOME DEPOT - BLOOM ENERGY CONSTRUCTION LIAISON FOR A PRE-CONSTRUCTION CONFERENCE TWO WEEKS PRIOR TO THE START OF THE WORK. THE SCOPE OF WORK AND TIMELINE SHALL BE DISCUSSED ALONG WITH ANY COORDINATION ISSUES WHICH COULD DISRUPT THE STORE'S OPERATIONS. CONTRACTOR SHALL EMAIL THE HOME DEPOT - BLOOM ENERGY CONSTRUCTION LIAISON A WEEKLY STATUS REPORT WITH PICTURES OF THE JOB SITE DURING THE TIME OF CONSTRUCTION. DURING CONSTRUCTION, IF ANY CHANGES OR MODIFICATION DIFFER FROM THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY BLOOM ENERGY AND THE HOME DEPOT REPRESENTATIVE OF THE PROPOSED MAJOR/SIGNIFICANT CHANGE TO OBTAIN APPROVAL BEFORE PROCEEDING WITH THE WORK. THE PLAN CAN BE REDLINED AND A PICTURE OF THAT PROPOSED CHANGE(S) SHALL BE SENT ELECTRONICALLY TO OBTAIN APPROVAL FROM THE HOME DEPOT TO EXPEDITE THE APPROVAL. THE MINOR/NON-SIGNIFICANT CHANGES THAT DO NOT REQUIRE APPROVAL ARE: <ul style="list-style-type: none"> SHIFTING SYSTEM, BOLLARD OR SCREENING/WALL LOCATION 12" OR LESS, AND NOT IMPACTING ANY DRIVE AISLES OR ADDITIONAL PARKING SPACES CHANGES IN SPECIFIC RUN OF PIPING/CONDUIT, MODIFYING THE LOCATION LESS THAN 12" FROM WHAT IS SHOWN ON PLAN, BUT NOT MODIFYING THE METHOD OF RUN (IE. TRENCHING, BORING, EXPOSED, ROOFTOP, ETC.) MINOR GAS LINE OR UTILITY GAS METER CHANGES (LESS THAN 12" MODIFICATION) AT THE GAS PLANNER'S DIRECTION SIGNAGE LOCATION CHANGES AT INSPECTOR'S DIRECTION, OR BASED ON EXISTING SITE CONDITIONS ANY WIRING OR CABLING BETWEEN ANY BLOOM-PROVIDED EQUIPMENT, AT THE EOR OR BLOOM SUPERINTENDENT'S DIRECTION ANY MODIFICATION TO SCOPE OF LOW VOLTAGE WIRING, AT EOR, BLOOM SUPERINTENDENT OR UTILITY'S DIRECTION ANY CHANGES THAT STILL SATISFY MINIMUM SUBGRADE PREPARATION METHODS, BASED ON ON-SITE CONDITIONS CONTRACTOR SHALL EMAIL THE HOME DEPOT - BLOOM ENERGY CONSTRUCTION LIAISON A CONSTRUCTION CHECKLIST INDICATING PROPOSED STAGING AREA(S), CONSTRUCTION AREA(S), DRIVEWAY CROSSING LOCATION(S), AND A BEST MANAGEMENT PLAN (BMP) PRIOR TO PRE-CONSTRUCTION CONFERENCE. A BEST MANAGEMENT PLAN (BMP) SHALL BE FOLLOWED AT ALL TIMES. THE CONSTRUCTION CHECKLIST SHALL INCLUDE BUT IS NOT LIMITED TO THE FOLLOWING BMPs: "DANDY" SACK OR EQUAL WITH OUTFLOW PORTS AT STORM DRAIN INLETS, "OUTPAK" CONCRETE WASHOUT AND TUBULAR FILTRATION SOCKS ON ALL OTHER DISTURBED AREA(S). BMPs MUST BE INSTALLED BEFORE WORK STARTS AND TAKEN DOWN ONLY WHEN THE SITE IS FULLY STABILIZED. FULL STABILIZATION IS DEFINED AS WHEN THE HOME DEPOT - BLOOM ENERGY CONSTRUCTION LIAISON HAS BEEN ABLE TO REVIEW PICTURES AND HAS ACCEPTED THE STABILIZATION. CONTRACTOR IS TO CONTACT THE HOME DEPOT STORE MAINTENANCE DIVISION 48 HOURS BEFORE CONSTRUCTION TO SET UP A PRE-CONSTRUCTION MEETING. JOB SITE AREA TO BE PHOTOGRAPHED BY THE CONTRACTOR PRIOR TO STARTING CONSTRUCTION AND AT THE COMPLETION OF CONSTRUCTION. CONTRACTOR TO PROVIDE PHOTOGRAPHS IN A PDF FILE VIA EMAIL TO THE HOME DEPOT - BLOOM ENERGY CONSTRUCTION LIAISON AND ON A CD OR FLASH DRIVE TO THE HOME DEPOT MAINTENANCE DEPARTMENT AFTER THE COMPLETION OF CONSTRUCTION. CONTRACTOR TO PROVIDE A PDF COPY OF THE AUTHORITY HAVING JURISDICTION JOB CARD VIA EMAIL TO THE HOME DEPOT - BLOOM ENERGY CONSTRUCTION LIAISON AND ON A CD OR FLASH DRIVE TO THE HOME DEPOT MAINTENANCE DEPARTMENT PRIOR TO THE START OF CONSTRUCTION. ALL UTILITY TRENCH WORK CROSSING DRIVEWAYS SHALL BE DONE AT NIGHT BETWEEN 10PM AND 6AM. TRENCHES MUST BE COVERED ONE HOUR BEFORE STORE OPENS. COMPACTION OF TRENCH BACKFILL SHALL BE 95% COMPACTED. COMPACTION TEST SHALL BE COMPLETED AND EMAILED TO THE HOME DEPOT - BLOOM ENERGY CONSTRUCTION LIAISON FOR APPROVAL. ALL UTILITY CONNECTIONS THAT REQUIRE CONNECTION OF LIVE LINES SHALL BE DONE AT NIGHT BETWEEN 10PM AND 6AM AND BE COORDINATED AND APPROVED BY THE HOME DEPOT - BLOOM ENERGY CONSTRUCTION LIAISON PRIOR TO MAKING UTILITY CONNECTIONS. ANY PRECAUTIONARY MEASURES NEEDED DUE TO UTILITY SHUT OFF SHALL BE COMPLETED BY THE CONTRACTOR. ONLY ONE HALF OF THE REAR DRIVE AISLE MAY BE CLOSED IN ACTIVE CONSTRUCTION AREA(S). OTHER VEHICLES OR MATERIALS SHALL BE KEPT IN STAGING AREA(S) AS TO NOT HINDER TRUCK DELIVERY TRAFFIC DURING THE DAY BETWEEN 6AM AND 10PM. GENERAL HOUSEKEEPING OF SITE INCLUDING SWEEPING AND CONTROL OF SEDIMENT, TRASH, AND DEBRIS SHALL BE DONE DAILY OR IMMEDIATELY UPON CREATION. CONTRACTOR OR SUB-CONTRACTOR CANNOT HAVE EQUIPMENT OR SUPPLIES ON THE JOB SITE FROM THE HOME DEPOT'S COMPETITORS. ALL WORK ON THE HOME DEPOT'S PROPERTY SHALL BE DONE PER THE HOME DEPOT'S SPECIFICATION. CONTRACTOR TO COMPLY WITH THE REQUIREMENTS SET FORTH WITHIN THE SOIL MANAGEMENT PLAN. ALL INTERIOR CONSTRUCTION CANNOT INTERFERE WITH STORE OPERATIONS OR STORE CUSTOMERS AND IS TO OCCUR AT NIGHT BETWEEN 10PM AND 6AM. CONTRACTOR SHALL PROVIDE THE FOLLOWING AFTER COMPLETION OF CONSTRUCTION; ALL PROJECT REPORTS, SOIL COMPACTION REPORTS, NEW ASPHALT PAVEMENT LAYER THICKNESS, AGGREGATE BASE THICKNESS, INSPECTION REPORT, CITY SIGN OFFS, PHOTOS OF CONSTRUCTION THROUGH COMPLETION, AS BUILT DRAWINGS, REDLINES TO CONSTRUCTION DRAWINGS, AND A SUMMARY OF ALL REDLINES MADE DURING THE CONSTRUCTION PROCESS. ALL DOCUMENTS TO BE PROVIDED IN HARDCOPY FORMAT IN A BINDER AND ALL CIVIL PLANS SHALL BE PROVIDED IN PDF AND AUTOCAD ON A CD OR FLASH DRIVE AND SENT TO THE REGIONAL PLAN CHECKER. 																																																						
<p>VICINITY MAP (NTS)</p> <p>PROJECT SITE</p>	<p>PROJECT TEAM CONTACTS</p> <table border="1"> <thead> <tr> <th>FIRM</th> <th>ADDRESS</th> <th>CONTACT INFO</th> </tr> </thead> <tbody> <tr> <td>MANUFACTURER BLOOM ENERGY</td> <td>4353 N. FIRST STREET SAN JOSE CA 95134</td> <td>(408) 543-1500</td> </tr> <tr> <td>CUSTOMER THE HOME DEPOT, INC.</td> <td>114 FEDERAL ROAD DANBURY CT 06811</td> <td>(203) 730-9600</td> </tr> <tr> <td>BLOOM ENERGY (STRUCTURAL & CIVIL) SRIHARI RAGHAVAN, PE</td> <td>4353 N. FIRST STREET SAN JOSE, CA 95134</td> <td>(408) 543-1500</td> </tr> <tr> <td>BLOOM ENERGY (ELECTRICAL) JOSEPH A. TEMOWO, PE</td> <td>4353 N. FIRST STREET SAN JOSE, CA 95134</td> <td>(408) 543-1500</td> </tr> </tbody> </table>	FIRM	ADDRESS	CONTACT INFO	MANUFACTURER BLOOM ENERGY	4353 N. FIRST STREET SAN JOSE CA 95134	(408) 543-1500	CUSTOMER THE HOME DEPOT, INC.	114 FEDERAL ROAD DANBURY CT 06811	(203) 730-9600	BLOOM ENERGY (STRUCTURAL & CIVIL) SRIHARI RAGHAVAN, PE	4353 N. FIRST STREET SAN JOSE, CA 95134	(408) 543-1500	BLOOM ENERGY (ELECTRICAL) JOSEPH A. TEMOWO, PE	4353 N. FIRST STREET SAN JOSE, CA 95134	(408) 543-1500	<p>DRAWING INDEX</p> <table border="1"> <thead> <tr> <th>SHT #</th> <th>DWG #</th> <th>SHEET TITLE</th> <th>REV#</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>G0.1</td> <td>COVER SHEET</td> <td>--</td> <td>09/10/2020</td> </tr> <tr> <td>02</td> <td>G0.2</td> <td>GENERAL CONSTRUCTION NOTES</td> <td>--</td> <td>09/10/2020</td> </tr> <tr> <td>03</td> <td>G1.1</td> <td>OVERALL SITE PLAN</td> <td>--</td> <td>09/10/2020</td> </tr> <tr> <td>04</td> <td>C1.1</td> <td>DETAILED SITE PLAN</td> <td>--</td> <td>09/10/2020</td> </tr> <tr> <td>05</td> <td>E3.1</td> <td>ELECTRICAL SINGLE LINE DIAGRAM</td> <td>--</td> <td>09/10/2020</td> </tr> <tr> <td>06</td> <td>E3.2</td> <td>ELECTRICAL THREE LINE DIAGRAM</td> <td>--</td> <td>09/10/2020</td> </tr> <tr> <td>07</td> <td>RO.1</td> <td>BLOOM PRODUCT DATA SHEET</td> <td>--</td> <td>09/10/2020</td> </tr> </tbody> </table>	SHT #	DWG #	SHEET TITLE	REV#	DATE	01	G0.1	COVER SHEET	--	09/10/2020	02	G0.2	GENERAL CONSTRUCTION NOTES	--	09/10/2020	03	G1.1	OVERALL SITE PLAN	--	09/10/2020	04	C1.1	DETAILED SITE PLAN	--	09/10/2020	05	E3.1	ELECTRICAL SINGLE LINE DIAGRAM	--	09/10/2020	06	E3.2	ELECTRICAL THREE LINE DIAGRAM	--	09/10/2020	07	RO.1	BLOOM PRODUCT DATA SHEET	--	09/10/2020	<p>SCOPE OF WORK</p> <p>THE SCOPE OF THIS PROJECT WILL CONSIST OF THE FOLLOWING:</p> <ol style="list-style-type: none"> CIVIL WORK <ul style="list-style-type: none"> EXISTING LANDSCAPE SHALL BE REMOVED FOR NEW EQUIPMENT PAD FOR BLOOM ENERGY SERVER. EXISTING SUBGRADE AT LANDSCAPE REMOVAL WILL BE PREPARED FOR THE NEW EQUIPMENT WEIGHT. NEW TRENCH FROM BLOOM ENERGY SERVER TO BUILDING FOR GAS, WATER AND ELECTRICAL CONNECTIONS BETWEEN BLOOM ENERGY SERVER AND BUILDING. TRENCH TO BE BACKFILLED AND NEW LANDSCAPE COVER TO BE PROVIDED. NEW ENERGY SERVER AND ANCILLARY CONCRETE PAD TO BE PLACED AT PREPARED SURFACE AT LANDSCAPE REMOVAL. NEW BOLLARDS TO BE INSTALLED TO PROTECT BLOOM ENERGY SERVER. ELECTRICAL WORK <ul style="list-style-type: none"> FURNISH AND INSTALL ELECTRICAL FEEDERS BETWEEN PDS AND EXISTING MAIN SERVICE SWITCHBOARD. FURNISH AND INSTALL ELECTRICAL FEEDERS BETWEEN PDS AND ENERGY SERVER. INSTALL DISC-MD1, DISC-MD2, CT & PT CABINETS, LREC ION METER, PDS, ENERGY SERVER & ACCESSORIES. PLUMBING WORK <ul style="list-style-type: none"> NEW WATER CONNECTION FROM POTABLE WATER SOURCE IN FACILITY TO BLOOM ENERGY SERVER. NEW NATURAL GAS CONNECTION. NEW METER AND REGULATOR REQUIRED.
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<p>CONTRACTOR CONTACTS</p> <p>CONTACT ROLE & CONTACT NAME CONTACT INFO</p> <p>THE HOME DEPOT - BLOOM ENERGY CONSTRUCTION LIAISON: PRATIK BHARADWAJ PRATIK_BHARADWAJ@HOMEDEPOT.COM</p>				<p>REVISION HISTORY</p> <table border="1"> <thead> <tr> <th>REV</th> <th>REVISION ISSUE</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> <p>DESIGNED BY POOJA SREERAJ REVIEWED BY SRI RAGHAVAN DRAWN BY BASAVARAJ BENAKANAHALLI APPROVED BY SRI RAGHAVAN</p> <p>SHEET TITLE: COVER SHEET</p> <p>DRAWING NUMBER: G0.1</p> <p>BLOOM DOCUMENT: DOC-1012979</p> <p>THIS DRAWING IS 24" X 36" AT FULL SIZE SITE ID: HDP207.0 SHEET 01 OF 07</p>	REV	REVISION ISSUE	DATE																																																			
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CUSTOMER SITE

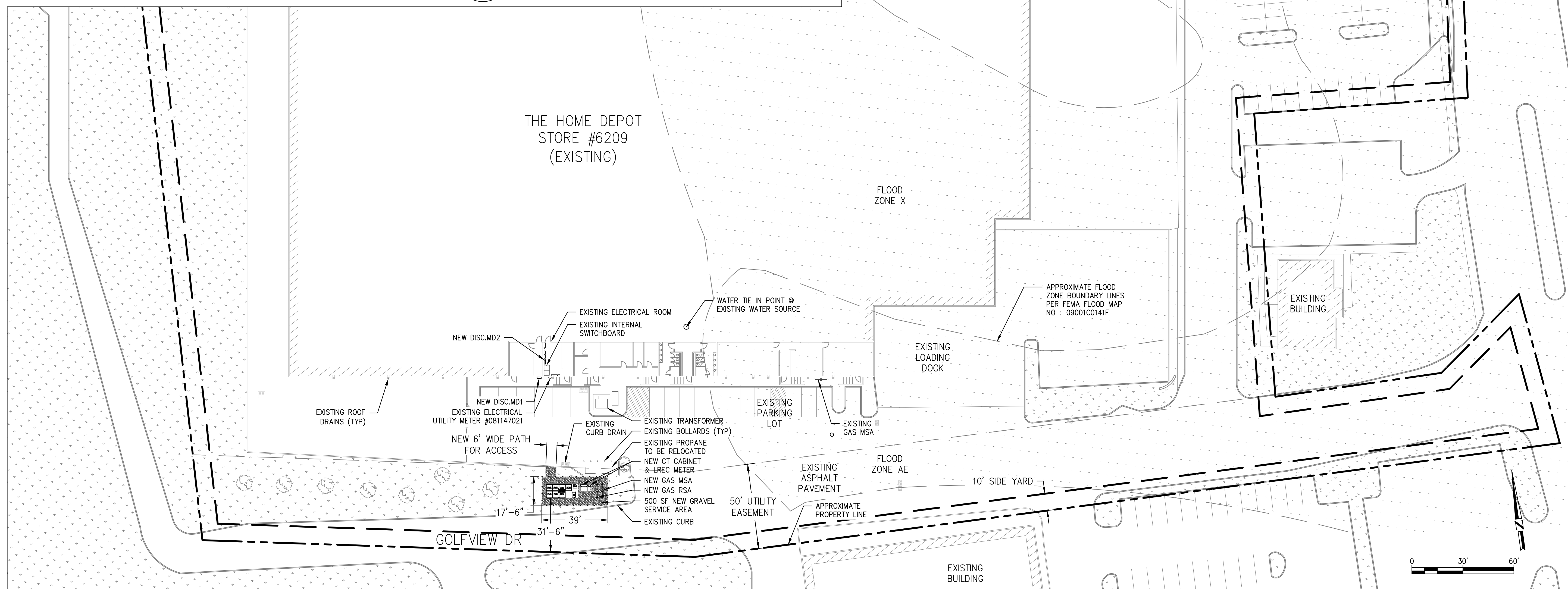
THE HOME DEPOT, INC.
STORE #6209
114 FEDERAL ROAD
DANBURY, CT 06811



OVERALL SITE PLAN

SCALE: = NTS

1
G1.1

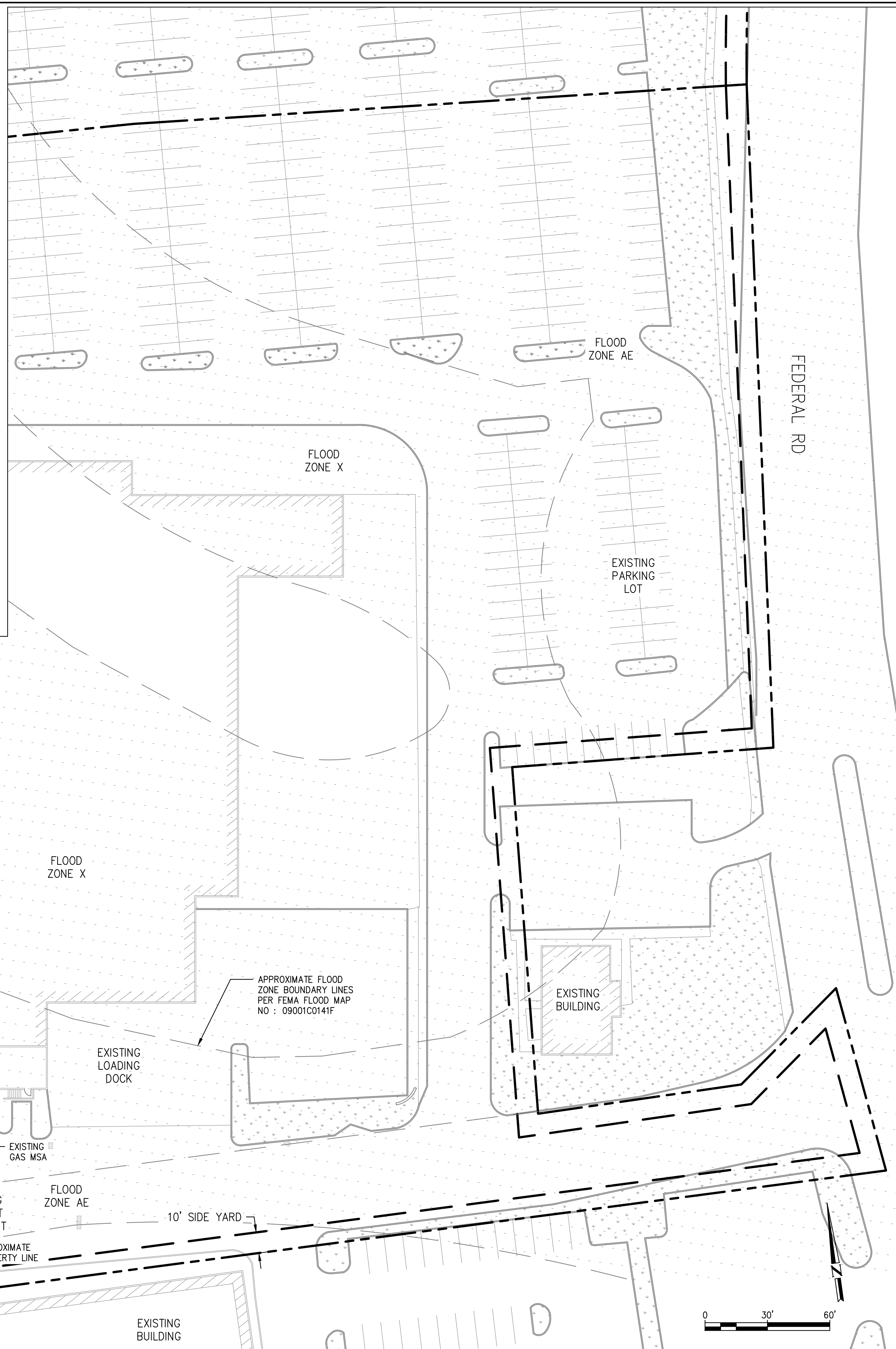


SITE REFERENCE NOTE:
EXISTING SITE CONDITIONS TAKEN FROM GOOGLE EARTH.

OVERALL SITE PLAN

SCALE: 1" = 30'

1
G1.1



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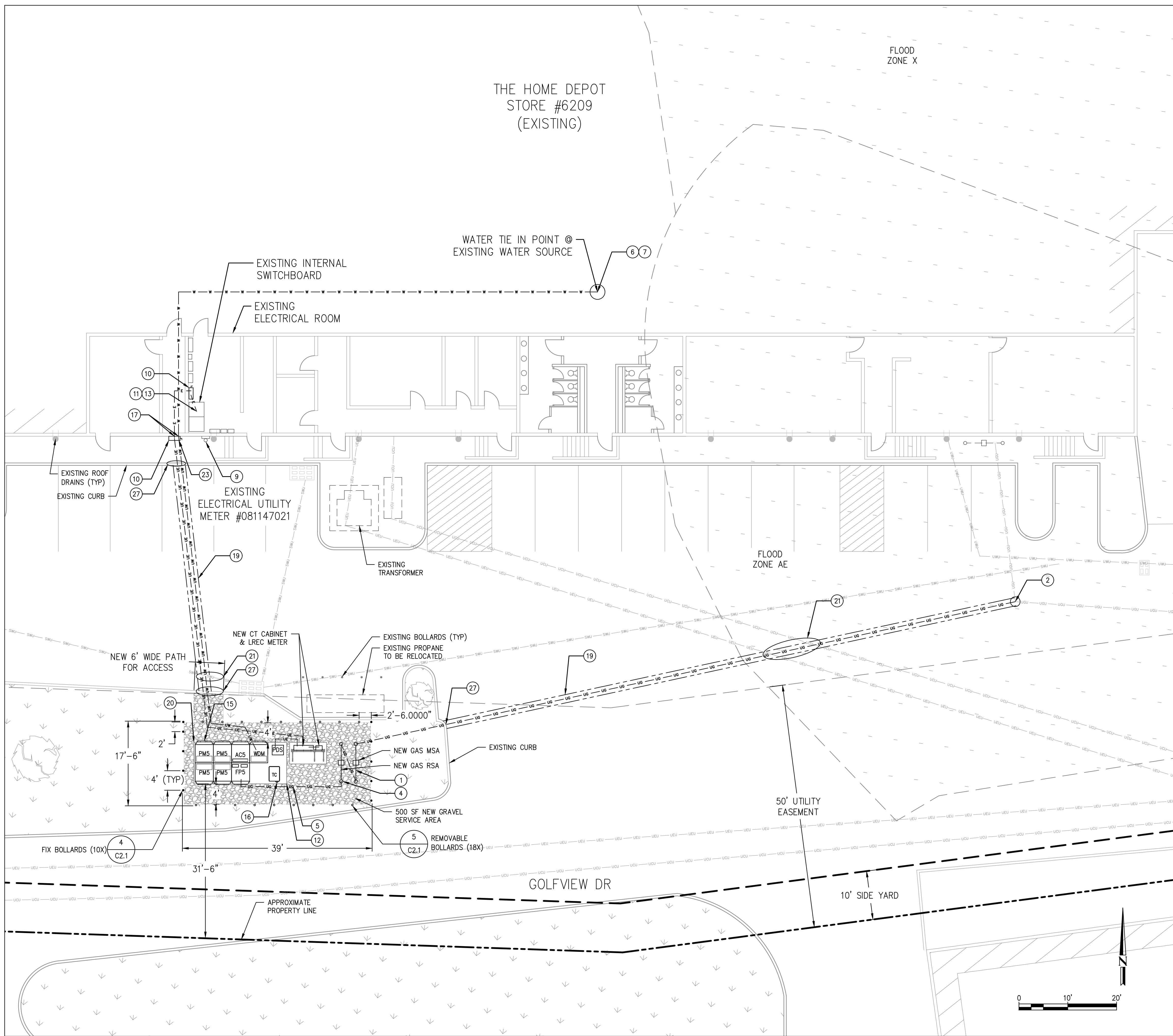
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DESIGNED BY: POOJA SREERAJ
DRAWN BY: BASAVARAJ BENAKANAHALLI
REVIEWED BY: SRI RAGHAVAN
APPROVED BY: SRI RAGHAVAN

SHEET TITLE
OVERALL SITE PLAN
DRAWING NUMBER
G1.1

BLOOM DOCUMENT
DOC-1012979

THIS DRAWING IS 24" X 36" AT FULL SIZE
SITE ID: HDP207.0 SHEET 03 OF 07



DETAILED SITE PLAN

SCALE: 1" = 10'

1
C1.1

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.
- 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.

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.
- NEW PRIVATE GAS REGULATOR SET ASSEMBLY FOR BLOOM ENERGY SERVER WITH 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 NEAREST ACCESSIBLE LOCATION IN BUILDING AS SHOWN 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.
- EXISTING UTILITY ELECTRIC METER. REFER TO ELECTRICAL SINGLE LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- NEW BLOOM ENERGY FURNISHED, CONTRACTOR INSTALLED, DISCONNECT SWITCH. MOUNT TO WALL PER MANUFACTURER AND UTILITY SPECIFICATIONS.
- CONTRACTOR SHALL TERMINATE ELECTRIC FEEDER AS SHOWN. REFER TO ELECTRICAL SINGLE LINE DIAGRAM 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 ENERGY STANDARD INSTALLATION DRAWING SET FOR ADDITIONAL BLOOM ENERGY SERVER DETAILS.
- FACTORY WIRE BLOOM ENERGY SERVER EMERGENCY POWER-OFF SWITCH (EPO).
- CONTRACTOR SHALL CORE CONDUIT AND/OR PIPE THROUGH WALL. SCAN WALL PRIOR TO CORING TO AVOID COLLATERAL DAMAGE TO EXISTING PLUMBING AND WIRING. REFER TO WALL PENETRATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE SAWCUT TRENCH FOR UNDERGROUND UTILITIES IN THIS LOCATION AND HAND DIG TRENCHES WHERE THEY CROSS EXISTING UTILITIES. REFER TO UNDERGROUND/TRENCH CONDUIT AND PIPING DETAIL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL SAWCUT TO ALLOW FOR EXCAVATION UNDER ENERGY SERVER AND ANCILLARY PAD LOCATIONS. REFER TO PAD DETAIL FOR ADDITIONAL EXCAVATION AND BACKFILL REQUIREMENTS.
- PROTECT EXISTING UNDERGROUND UTILITY LINES FROM DAMAGE WHEN CROSSING WITH NEW UNDERGROUND UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY DAMAGED LINES.
- CONTRACTOR SHALL TRANSITION ALL ABOVEGROUND NEW LINES TO UNDERGROUND TOWARD ANCILLARY EQUIPMENT. ABOVE GROUND UTILITIES SHALL BE PROTECTED AS NECESSARY, THEN ROUTED UNDERGROUND TO EQUIPMENT STUB-UP LOCATIONS PER MECHANICAL DETAIL.
- CONTRACTOR SHALL UNDER-CUT EXISTING CURB FOR TRENCHING UTILITY LINES AND BACKFILL WITH CONCRETE SLURRY. IF CURB IS DAMAGED, 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 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.

Bloomenergy

4353 N. FIRST STREET
SAN JOSE, CA 95134

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ENGINEER OF RECORD
SRIHARI RAGHAVAN, P.E.
LICENSE # 30981

CUSTOMER SITE

THE HOME DEPOT, INC.
STORE #6209
114 FEDERAL ROAD
DANBURY, CT 06811



REVISION HISTORY

REV	REVISION ISSUE	DATE

DESIGNED BY POOJA SREERAJ	REVIEWED BY SRI RAGHAVAN
DRAWN BY BASAVARAJ BENAKANAHALLI	APPROVED BY SRI RAGHAVAN

SHEET TITLE
DETAILED SITE PLAN

DRAWING NUMBER
C1.1

BLOOM DOCUMENT
DOC-1012979

THIS DRAWING IS 24" X 36" AT FULL SIZE
SITE ID: HDP207.0 SHEET 04 OF 07



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Affirmative Action/Equal Opportunity Employer

July 13, 2020

Dean Gustafson
All Points Technology Corp PC
567 Vauxhall St Ext – Suite 311
Waterford CT 06385
dgustafson@allpointstech.com

Project: Fuel cell installation at Danbury Home Depot, 114 Federal Rd, Danbury, CT
NDDDB Determination No.: 202008101

Dear Mr. Gustafson,

I have reviewed Natural Diversity Database (NDDDB) maps and files regarding the area of work provided for the proposed fuel cell installation at 114 Federal Road in Danbury, Connecticut. I do not anticipate negative impacts to State-listed species (RCSA Sec. 26-306) resulting from your proposed activity at the site based upon the information contained within the NDDDB. The result of this review does not preclude the possibility that listed species may be encountered on site and that additional action may be necessary to remain in compliance with certain state permits. This determination is good for two years. Please re-submit a new NDDDB Request for Review if the scope of work changes or if work has not begun on this project by July 13, 2022.

Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey, cooperating units of DEEP, landowners, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the NDDDB should not be substitutes for on-site surveys necessary for a thorough environmental impact assessment. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the database as it becomes available.

Please contact me if you have further questions at (860) 424-3378, or karen.zyko@ct.gov . Thank you for consulting the Natural Diversity Database.

Sincerely,

A handwritten signature in blue ink, appearing to read "Karen Zyko".

Karen Zyko
Environmental Analyst