

What Powers You

April 13th, 2022

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

RE: PETITION NO. 1497 - 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 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 interrogatories provided to Bloom Energy on March 29th, 2022.

Respectfully,



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Customer Installations Group | North America
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**Petition No. 1497
Bloom Energy Corporation
Bridgeport Hospital
267 Grant Street, Bridgeport
Interrogatories**

1. What is the estimated cost of the proposed project?

Response: The estimated cost of the project is \$1,877,930.00

2. Referring to Petition, p. 10 has the City and/or abutters provided comments to Bloom since the Petition filing? If yes, summarize the comments.

Response: No comments have been provided by the City and/or the abutters notified.

3. Referring to Petition Exhibit 6 on p. 12, will Bloom provide a copy of the Fuel Cell Emergency Response Plan and conduct fuel cell operation/emergency training with City of Bridgeport emergency responders prior to the commencement of facility operation?

Response: Yes, Bloom will be in contact with the Bridgeport Fire Marshal prior to commissioning of the facility to offer training and presentation of the fuel cell facility as desired by City representatives.

4. Referring to Petition p. 4, identify the media to be used for pipe cleaning procedures at the proposed facility in accordance with Public Act 11-101, An Act Adopting Certain Safety Recommendations of the Thomas Commission and Connecticut General Statutes § 16-50ii.

Response: The media to be used for the pipe cleaning procedures at the proposed facility would be compressed air.

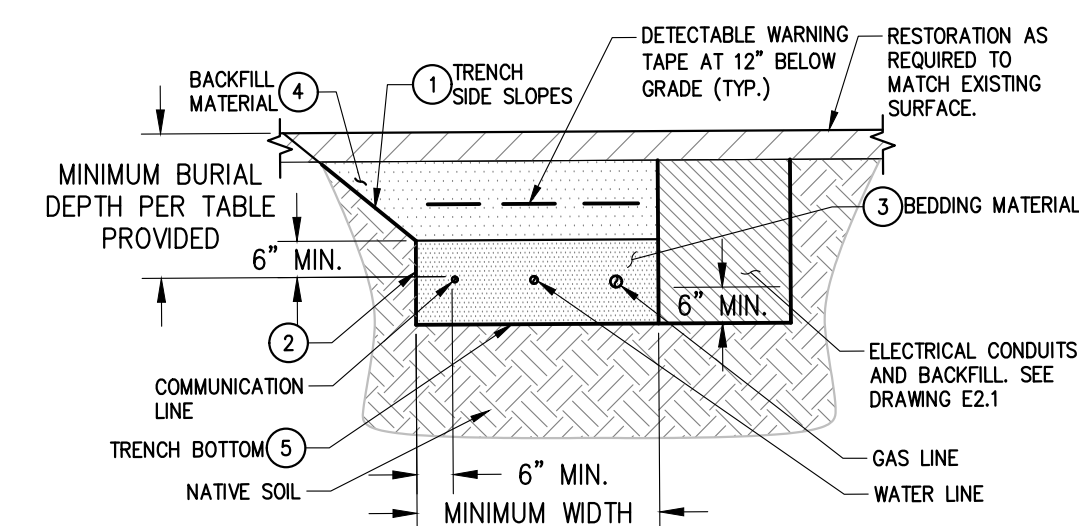
5. Referring to the Site Plan, provide a detail or a photograph of the "screening fence."

Response: Please see Attachment # 1 site plan detail for screening fence.

6. Due to the fuel cell location adjacent to parking lot spaces, are bollards or other vehicle impact protection measures proposed? If yes, revise the site plan to include such measure(s). If no, is the proposed screening fence reinforced to serve as a vehicle impact protection measure?

Response: No other vehicle impact protections are proposed. The systems are sufficiently set back greater than 3' from a raised curb, which acts as a means to deflect or deter vehicles from further accidental impact with the fuel cells themselves. The proposed screening fence includes steel fence posts and concrete footings, which act as a further deterrent.

Attachment 1: Site Plan Detail for Screening Fence

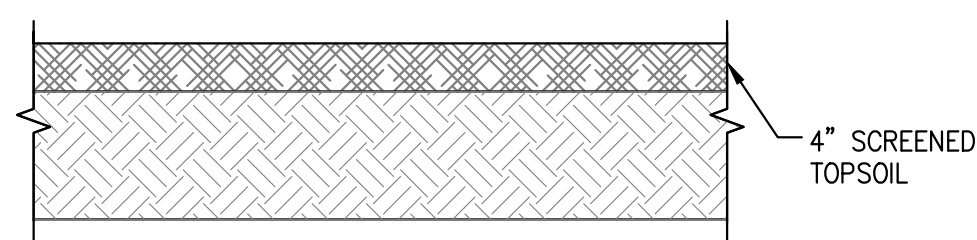


UTILITY	MINIMUM BURIAL DEPTH	MINIMUM HORIZONTAL DISTANCE TO LIKE UTILITY	MINIMUM HORIZONTAL DISTANCE TO DIFFERING UTILITY	MINIMUM VERTICAL DISTANCE TO LIKE UTILITY	VERTICAL DISTANCE TO DIFFERING UTILITY
COMMUNICATION	24"	6"	12"	3"	12"
GAS	24"	6"	12"	6"	12"
WATER	54"	6"	12"	6"	12"

UTILITY TRENCH EXCAVATION SPACING & BACKFILL DETAIL

SCALE: 3/4" = 1'-0"

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C2.1



1. ALL DISTURBED LANDSCAPE AREAS SHALL BE RESTORED IN ACCORDANCE WITH THE PERMANENT LANDSCAPE RESTORATION AND RESEEDING SPECIFICATIONS ON THIS SHEET.

PERMANENT LANDSCAPE RESTORATION AND RESEEDING SPECIFICATIONS (AFTER CONSTRUCTION)

- SITE PREPARATION
 - BRING AREA TO BE SEED TO REQUIRED GRADE. A MINIMUM OF 4" OF TOPSOIL IS REQUIRE.
 - PREPARE SEED BY LOOSENING SOIL TO A DEPTH OF 4 INCHES.
 - REMOVE ALL STONES OVER 1 INCH IN DIAMETER, STICKS AND FOREIGN MATTER FROM THE SURFACE.
 - LIME TO PH OF 6.5.
 - FERTILIZER: USE 5-10-5 (NPK) OR EQUIVALENT. APPLY AT RATE OF 4 LBS/1000 SF.
 - INCORPORATE LIME AND FERTILIZER IN THE TOP 4 INCHES OF TOPSOIL.
 - SMOOTH AND FIRM THE SEED.

- SEE MIXTURE FOR USE ON LAWN AREA: PROVIDE FRESH, CLEAN, NEW-CROP SEED MIXED IN THE PROPORTIONS SPECIFIED FOR SPECIES AND VARIETY AND CONFORMING TO FEDERAL AND STATE STANDARDS.
LAWN SEED MIX: (APPLY AT RATE OF 5 TO 6 LBS PER 1000SF)

AMOUNT BY:	MINIMUM%	GERMINATION
WEIGHT SPECIES OR VARIETY	PURITY	
50% KENTUCKY BLUE GRASS*	95%	80%
20% PERENNIAL RYE	98%	90%
30% CREEPING RED FESCUE	97%	85%
100%		

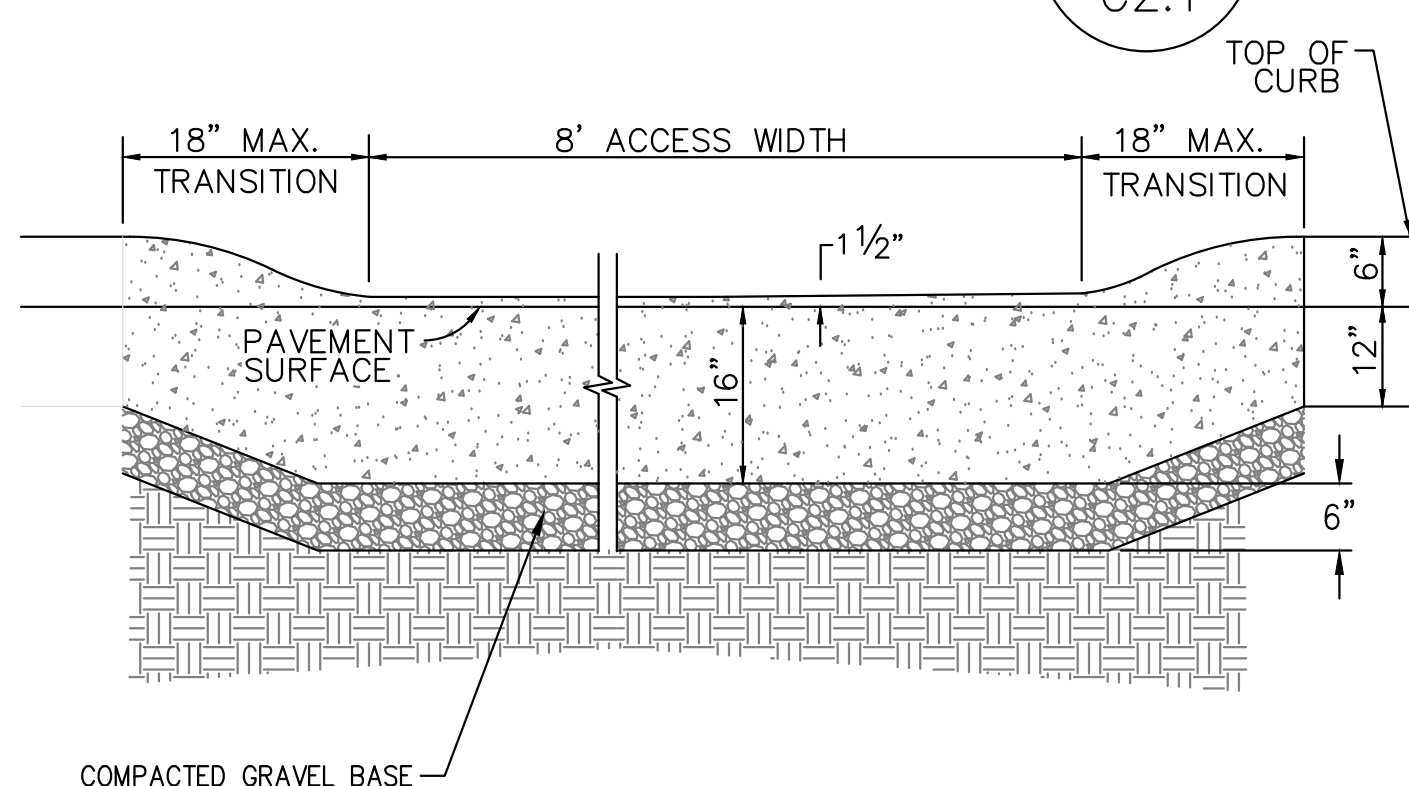
*MINIMUM 2 (EQUAL PROPORTIONS) VARIETIES AS LISTED IN CORNELL RECOMMENDATIONS FOR TURFGRASS.

AMOUNT BY:	MINIMUM%	GERMINATION
WEIGHT SPECIES OR VARIETY	PURITY	
50% KENTUCKY BLUE GRASS**	95%	80%
20% PERENNIAL RYE	98%	90%
35% CREEPING RED FESCUE	97%	85%
20% CREEPING RED FESCUE	97%	85%
100%		

- SEEDING
 - APPLY SEED UNIFORMLY BY CYCLONE SEEDER CULTI-PACKER OR HYDRO-SEEDER AT RATE INDICATED.
 - ALL SEEDED AREAS SHALL BE PROTECTED FROM EROSION BY ONE OF THE FOLLOWING METHODS:
 - A UNIFORM BLANKET OF STRAW APPLIED AT A RATE OF 2 TONS/ACRE MIN., TO BE APPLIED ONCE SEEDING IS COMPLETE.
 - WOOD FIBER CELLULOSE APPLIED WITH SEED MIX BY HYDROSEEDER AT RATE OF 2,000 LBS/ACRE.
 - ALL SEEDED SLOPES 3:1 OR GRATER SHALL BE PROTECTED FROM EROSION WITH JUTE MESH OR APPROVED EQUAL.
 - IRRIGATE TO FULLY SATURATE SOIL LAYER, BUT NOT TO DISLODGE PLANTING SOIL.
 - UNLESS OTHERWISE DIRECTED IN WRITING, SEED FROM MARCH 15TH TO JUNE 15TH AND FROM AUGUST 15TH TO OCTOBER 15TH.

LANDSCAPE RESTORATION

SCALE: NTS



DEPRESSED CURB DETAIL

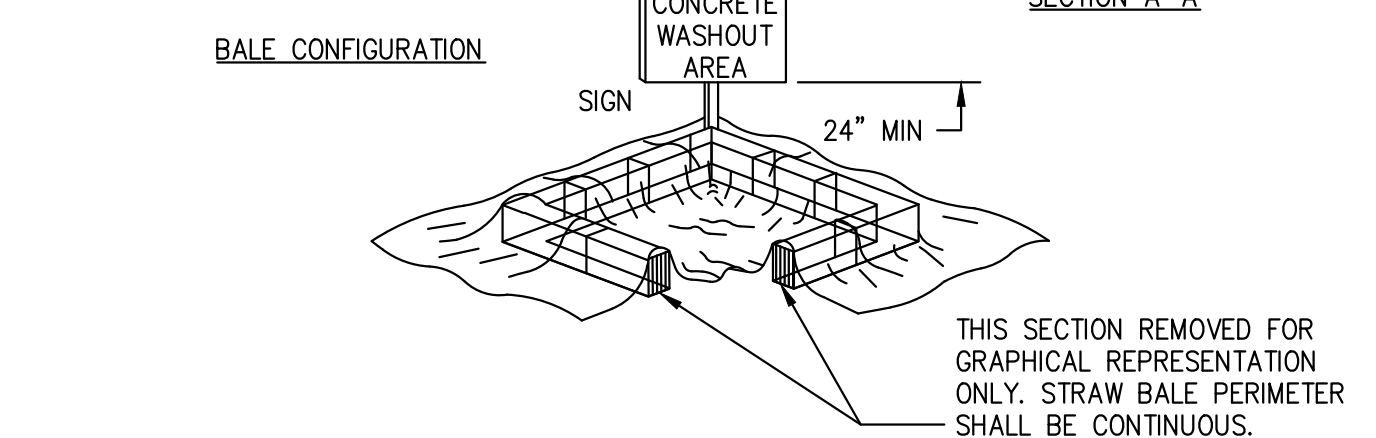
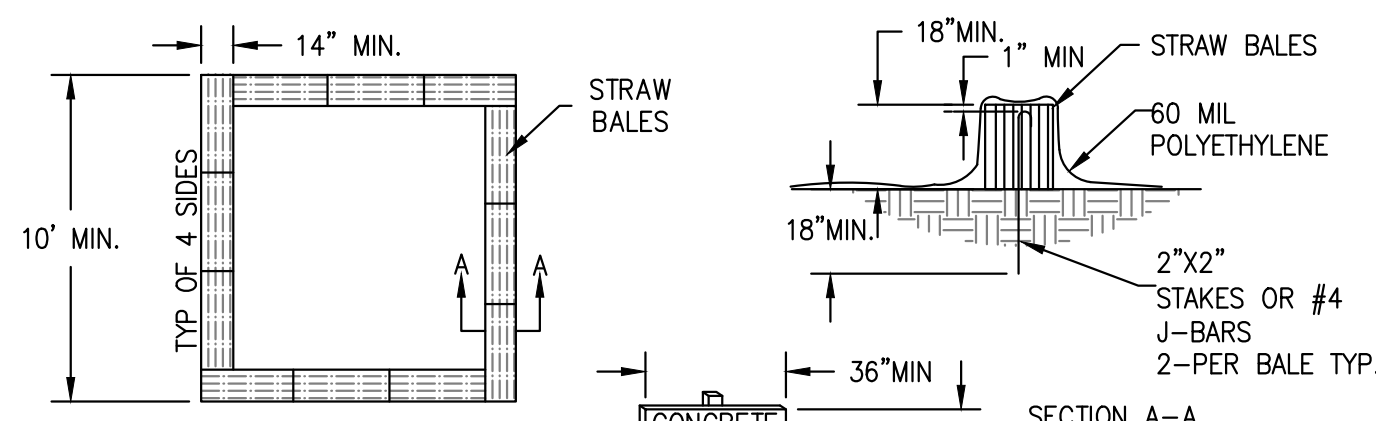
SCALE: NTS

DETAIL NOTES

- CONTRACTOR SHALL HIRE A THIRD PARTY SOILS INSPECTION AND TESTING AGENCY TO ASSURE COMPLIANCE OF MATERIALS AND PLACEMENT PROCEDURES WITH DESIGN DRAWINGS, SPECIFICATIONS, AND LOCAL CODES. WORK SHALL INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING:
 - PHOTOGRAPH EXCAVATION BOTTOM
 - VERIFY SOIL SUITABILITY
 - VERIFY AND REPORT COMPACTION
 - SUBMIT INSPECTION REPORTS DATED AND SIGNED BY TESTING AGENCY
- TESTING SERVICE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:
 - DAILY RECORDS AND REPORT
 - TESTING RECORDS AND DATA SHEETS
 - PHOTOGRAPHIC RECORDS
 - FINAL REPORT
- ALL RECORDS SHALL AT A MINIMUM BEAR THE PROJECT NAME, LOCATION, DATE, WRITTEN DESCRIPTION OF VISUAL OBSERVATIONS, AND SIGNATURE OF PREPARED OR DESIGNATED AUTHORITY.
- ANY DEVIATION FROM HORIZONTAL OR VERTICAL UTILITY SEPARATION DISTANCES TO ACCOMMODATE FIELD CONDITIONS SHALL BE SUBMITTED BY THE CONTRACTOR TO BLOOM ENERGY FOR APPROVAL PRIOR TO UTILITY PLACEMENT.

DETAIL REFERENCE NOTES

- TRENCH SHALL BE EXCAVATED AND PROTECTED PER OSHA STANDARD 1926 SUBPART P. OPEN TRENCHES SHALL NOT EXCEED OSHA MAXIMUM SIDE SLOPES. CONTRACTOR TO SHORE AND PROTECT ALL VERTICAL EXCAVATIONS AS REQUIRED BY OSHA. TRENCH WALLS SHALL BE VERTICAL FROM BOTTOM OF EXCAVATION TO TOP OF PIPE OR CONDUIT.
- TRENCH WALLS SHALL BE VERTICAL FROM BOTTOM OF EXCAVATION TO TOP OF PIPE OR CONDUIT BACKFILL.
- BEDDING MATERIALS SHALL BE PLACED IN 6" MAXIMUM LIFTS AND MATCH ADJACENT DUCT BANK BEDDING MATERIALS WHERE APPLICABLE. ACCEPTABLE BEDDING GRADATIONS ARE:
 - 3/4" MAXIMUM AGGREGATE BASE.
 - ASTM C-33-FINE CONCRETE AGGREGATE (WELL GRADED SAND).
 - ASTM C-33-GRADATION NO. 67 OR NO. 7.
 - GRADATIONS SIMILAR TO WELL GRADED FINE ROAD BASE MATERIAL, ASTM D-1241 GRADATION C AND D.
- BACKFILL MATERIALS SHALL BE 3/4" MAX AGGREGATE BASE MATERIAL, ASTM C33 SAND, OR NATIVE SOIL IF APPROVED BY GEOTECHNICAL ENGINEER, AS NOTED PLACE BACKFILL IN 6" MAX LIFTS AND TO BE COMPACTED TO 95% RELATIVE COMPACTION AT ± 2% OPTIMAL MOISTURE CONTENT PER ASTM D1557. SAND LAYER BELOW CONDUIT SHALL BE A MINIMUM DEPTH OF 6".
- IF THE BOTTOM OF THE TRENCH IS SOFT AND COMPACTION CANNOT BE ACHIEVED, CONTRACTOR TO CONTACT THIRD PARTY SOILS REPRESENTATIVE FOR SUBGRADE PREPARATION RECOMMENDATIONS.



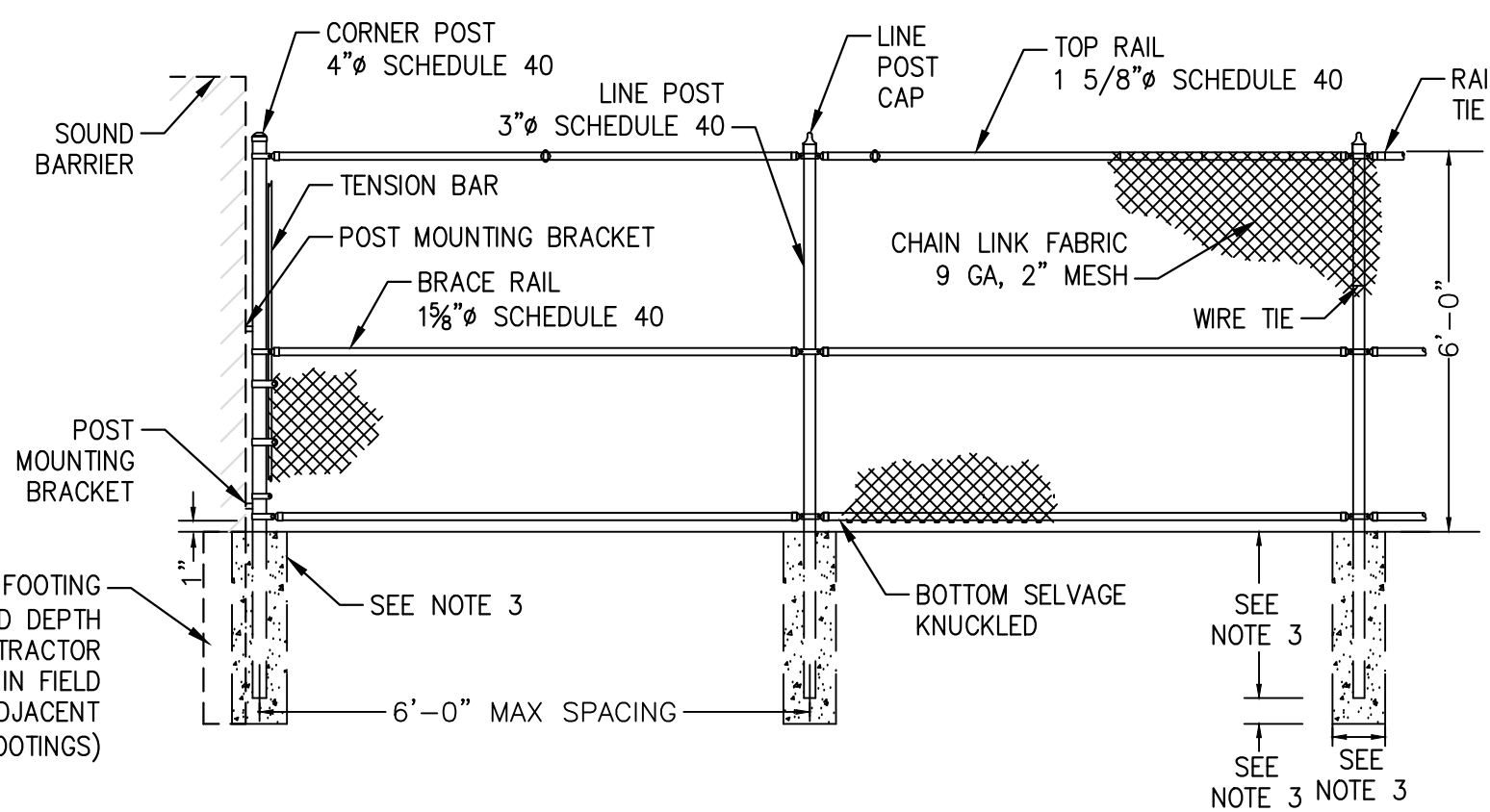
DETAIL NOTES:

- FACE SIGN TOWARDS NEAREST STREET OR ACCESS POINT.
- CONCRETE WASHOUT SHALL BE LOCATED BEHIND THE CURB AND 50 FT. MINIMUM FROM DRAINAGE INLETS OR WATERCOURSES AND IN A LOCATION THAT IS EASILY ACCESSIBLE BY CONCRETE TRUCKS.
- CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK FREE AND CONTAIN ALL LIQUID WASTES.
- CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTES GENERATED.
- WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL. THIS INCLUDES REPLACEMENT OF THE 60 MIL POLYETHYLENE SHEETING.
- CONTRACTOR SHALL REMOVE ACCUMULATION OF SAND AND AGGREGATE AT LEAST WEEKLY AND DISPOSE OF PROPERLY.

CONCRETE WASHOUT

SCALE: NTS

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NOTES:

- ALL FENCE MATERIALS SHALL BE GALVANIZED. REVIEW PRIOR TO FENCE FABRICATION.
- FOR DOUBLE GATES USE SAME CONNECTION FOR EACH GATE.
- CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND CALCULATIONS FOR FENCE POSTS, RAILINGS, GATE, HARDWARE AND FOOTINGS TO EOR FOR REVIEW PRIOR TO FABRICATION.

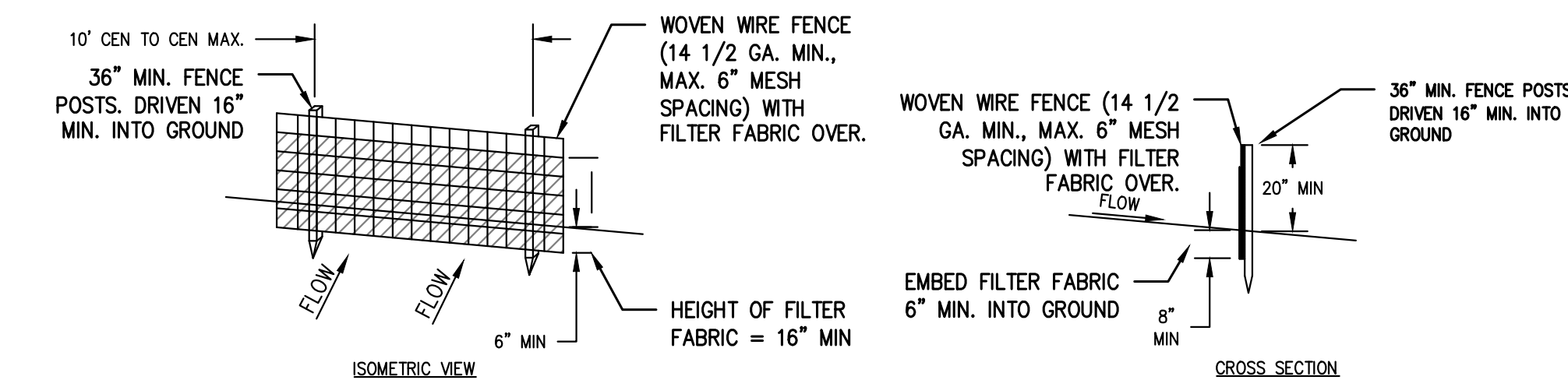
6' HIGH SCREENING FENCE DETAIL

SCALE: NTS

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ASPHALT RESTORATION/ ASPHALT PAVING

SCALE: NTS



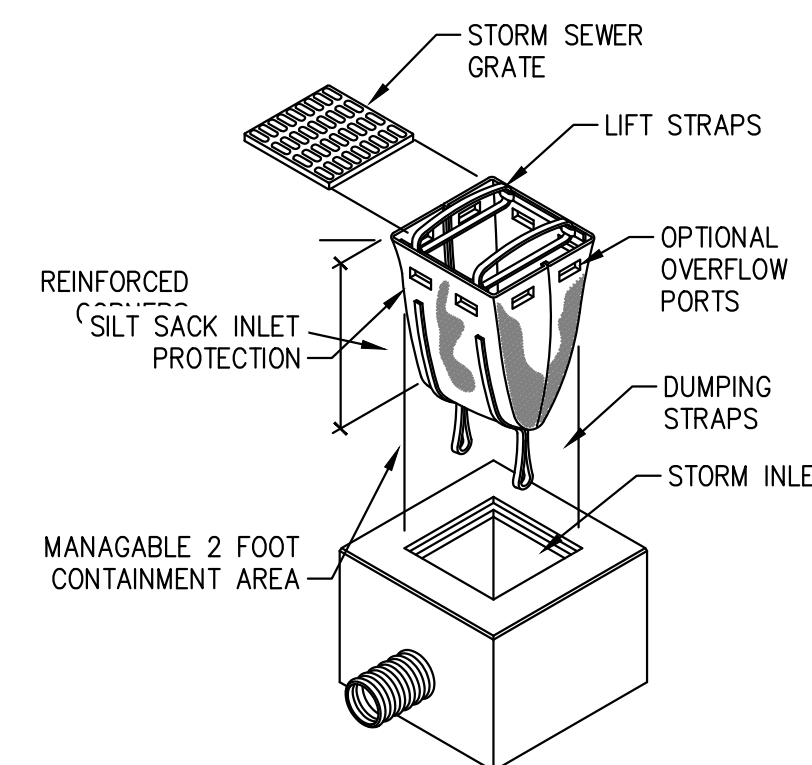
DETAIL NOTES:

- BASE COURSE SHALL BE CLASS 2 AGGREGATE BASE (3/4" MAX) COMPACTED TO 95% RELATIVE COMPACTION. THICKNESS SHALL MATCH EXISTING THICKNESS OR 6", WHICHEVER IS GREATER.
- MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH SPECIFICATION SET FORTH BY NATIONAL, STATE, AND LOCAL CODES AND AUTHORITIES.

SILT FENCE

SCALE: NTS

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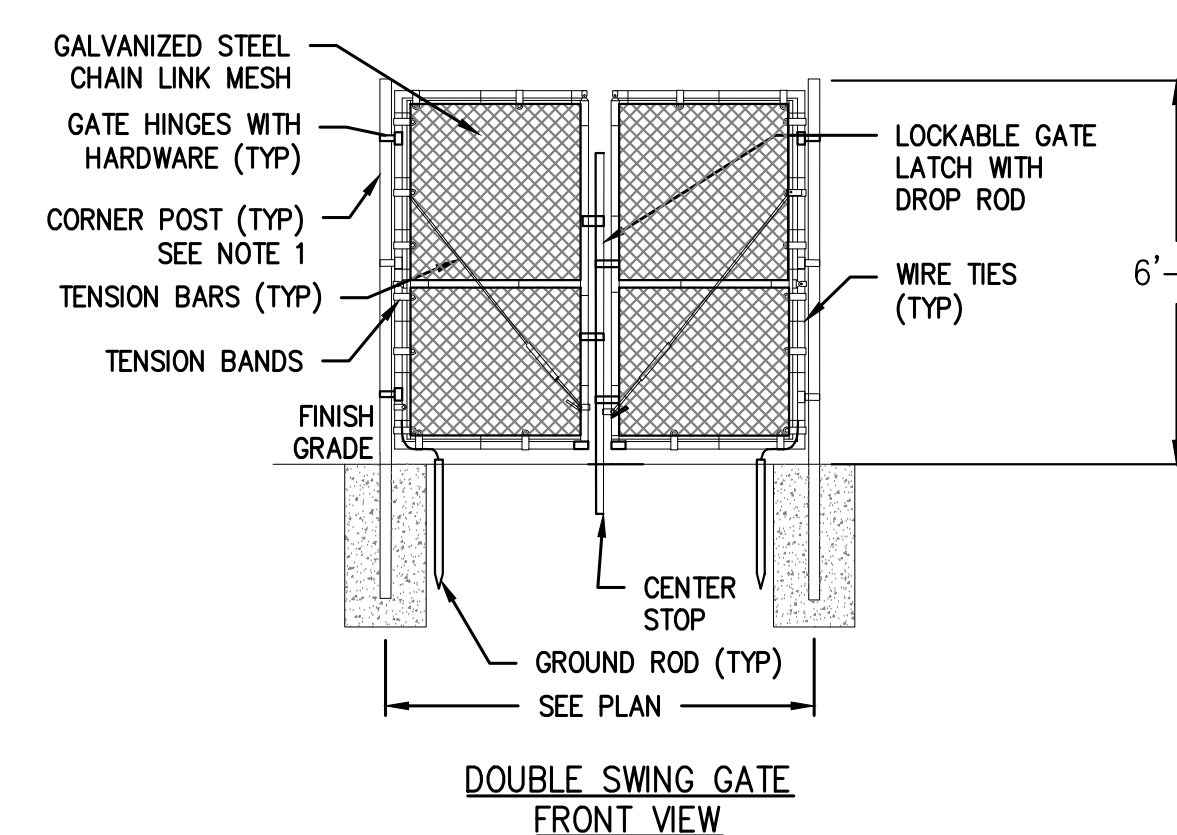
DETAIL NOTES:

- THE SPECIFIED INLET PROTECTION CAN BE SUPPLIED IN A VARIETY OF SIZES. CONTRACTOR TO SELECT THE APPROPRIATE DRAINAGE INLET PROTECTION AS REQUIRED.
- CONTRACTOR SHALL INSTALL STORM DRAIN PROTECTION AT ALL INLETS WITHIN THE VICINITY OF AND/OR DOWNSTREAM OF CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL INSPECT THE SILT FENCE SACKS AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF LARGE RAINFALL EVENT (0.5 INCH OR GREATER OF RAIN ACCUMULATION) TO DETERMINE IF MAINTENANCE IS NEEDED.
- CONTRACTOR SHALL CLEAN SILT SACK OF SEDIMENT DEPOSITS WHEN SILT SACKS ARE APPROXIMATELY HALF FULL.
- CONTRACTOR SHALL REPLACE STORM DRAIN PROTECTION IF GEOTEXTILE HAS DECOMPOSED OR BEEN DAMAGED.
- CONTRACTOR SHALL MAINTAIN THE STORM DRAIN INLET PROTECTION UNTIL CONTRIBUTING AREA IS PERMANENTLY STABILIZED.
- SILT SACK FILTER FABRIC SHALL, AT A MINIMUM, MEET THE STANDARDS SET FORTH FOR GEOTEXTILE FABRIC IN CHAPTER 5 OF THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.

STORM DRAIN PROTECTION

SCALE: NTS

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DOUBLE SWING GATE FRONT VIEW

Bloomenergy

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HEALTH SYSTEM
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BRIDGEPORT, CT 06610

Yale
NewHaven
Health

REVISION HISTORY

REV	REVISION ISSUE	DATE
-	INITIAL RELEASE	11/12/2021

DESIGNED BY SASHA SCARLAT
DRAWN BY YASHODHA NAVEEN

REVIEWED BY KATE TAYLOR
APPROVED BY CARSON P. TURNER

SHEET TITLE

DETAILS SHEET 1

DRAWING NUMBER
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BLOOM DOCUMENT
DOC-1014045

THIS DRAWING IS 24" X 36" AT FULL SIZE
SITE ID: YNH004.0 SHEET 06 OF 16