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May 28, 2014

VIA HAND DELIVERY

Robert Stein, Chairman
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

RECEIVED
MAY 28 2014
CONNECTICUT
SITING COUNCIL

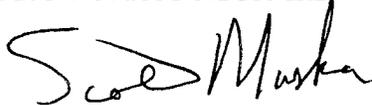
RE: Petition of PSEG Power Connecticut LLC to the Connecticut Siting Council for a Declaratory Ruling that No Certificate of Environmental Compatibility and Public Need is Required for the Bridgeport Harbor Unit No. 3 Dry Sorbent Injection Project

Dear Chairman Stein:

On behalf of PSEG Power Connecticut LLC, we are enclosing for filing an original and fifteen (15) copies of the above-captioned Petition with half-size drawings, two (2) full-size sets of the drawings, and the filing fee of \$625.

Very truly yours,

BROWN RUDNICK LLP



Scott A. Muska

Enclosures

61665852 v1-WorksiteUS-023488/0035

**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

PSEG POWER CONNECTICUT LLC'S : PETITION NO. _____
PETITION FOR DECLARATORY RULING :
THAT A CERTIFICATE OF :
ENVIRONMENTAL COMPATIBILITY AND :
PUBLIC NEED IS NOT REQUIRED FOR THE :
BRIDGEPORT HARBOR UNIT NO. 3 DRY :
SORBENT INJECTION PROJECT : May 28, 2014

RECEIVED
MAY 28 2014

PETITION FOR DECLARATORY RULING
OF PSEG POWER CONNECTICUT LLC
CONNECTICUT
SITING COUNCIL

I. INTRODUCTION AND BACKGROUND

Pursuant to Conn. Gen. Stat. §§ 4-176 and 16-50k(a) and Conn. Agencies Regs. § 16-50j-38 *et seq.*, PSEG Power Connecticut LLC, a Connecticut limited liability company (“PSEG”), requests from the Connecticut Siting Council (the “Council”) a declaratory ruling that a certificate of environmental compatibility and public need (“Certificate”) is not required for its Dry Sorbent Injection Project (the “DSI Project”) at Unit No. 3 of PSEG’s Bridgeport Harbor Generating Station, 1 Atlantic Street, Bridgeport, Connecticut (the “Facility”). The DSI Project is necessary for the Facility to comply with the United States Environmental Protection Agency’s (“EPA”) final rule for Mercury and Air Toxic Standards (“MATS”) issued February 16, 2012.¹

Over the years, PSEG has made a number of investments to reduce emissions, comply with state and federal law, and minimize the environmental impact of the Facility. Most recently, PSEG installed a mercury emissions reduction system to meet the emission requirements of Public

¹ See 77 Fed. Reg. 9304 (Feb. 16, 2012); 40 C.F.R. Parts 60 and 63.

Act 03-72 (codified at Conn. Gen. Stat. § 22a-199). The system, which was completed and operational by the July 1, 2008 regulatory deadline, uses activated carbon injection and a Pulse Jet Fabric Filter system contained in the baghouse (the “Baghouse Filter”) to reduce mercury emissions.²

EPA promulgated MATS to reduce emissions of heavy metals and acid gases from new and existing coal and oil-fired electric generating units. Generating units with a capacity of over 25-megawatts are required to comply with the reduced emission limits by April 15, 2015. Under MATS, the Facility, which is a dual-fired (low-sulfur coal and residual oil) electric generating unit, is required to achieve the reductions by meeting emission limits for “surrogate” pollutants. The surrogates for non-mercury heavy metals and acid gases are particulate matter (“PM”) and hydrogen chloride (“HCl”), respectively. For HCl, the new emission limit is 0.002 lb/MMBtu. PSEG must implement additional control technology to achieve the new HCl limit by the April 2015 MATS compliance date.

Therefore, PSEG proposes to install a dry sorbent injection system, which will remove acid gases from the boiler flue gas. The DSI Project will be installed adjacent to the existing baghouse and will include a small control building, a silo for the hydrated lime, and related piping, conduits and cable trays. The DSI Project will operate in conjunction with the existing activated carbon system and Baghouse Filter, which presently reduce mercury and PM emissions from the Facility.

Pursuant to Conn. Gen. Stat. §§ 4-176 and 16-50k(a) and Conn. Agencies Regs. § 16-50j-38 *et seq.* and for the reasons described below, PSEG respectfully requests that the Council issue a

² See Petition No. 756 - PSEG Power Connecticut LLC petition for declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for Phase 2 of Bridgeport Harbor Unit No. 3 Mercury Emissions Reduction Project, Bridgeport, Connecticut, granted March 22, 2006.

declaratory ruling that the DSI Project will not have a “substantial adverse environmental effect” in the State and that, consequently, no Certificate is required under Conn. Gen. Stat. § 16-50k(a).

II. COMMUNICATIONS

Correspondence and other communication regarding this Petition should be directed to:

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III. DISCUSSION

A. Description of the DSI Project

PSEG is proposing to construct and operate a dry sorbent injection system to reduce acid gases, including HCl, in the Facility’s emissions. The DSI Project will be designed to function when the Facility is in operation. The DSI Project will remove acid gases through a two-step process. First, hydrated lime will be injected into the flue gas stream as it passes through the ductwork between the precipitator and the Baghouse Filter. The hydrated lime, which is a powdered sorbent, will react with and adsorb/neutralize HCl and other acid gases. Next, the flue gas will pass through the Baghouse Filter, which consists of approximately 9,800 filter bags, each five inches in diameter and 26 feet long. The Baghouse Filter will capture the solid particles resulting from the hydrated lime reacting with HCl and other acid gases.

The DSI Project is designed to reduce HCl emissions to levels at or below 0.00185 lb/MMBtu. Consequently, PSEG anticipates that the DSI Project will significantly reduce the

concentration of acid gas emissions and, thereby, allow the Facility to operate in compliance with the new 0.002 lb/MMBtu MATS standard for HCl.

The DSI Project will require: (i) the removal of an unused concrete-masonry-unit block structure, (ii) the installation of a pre-fabricated control building, and (iii) the installation of a lime storage silo and injection system. The structures and equipment will be located on the northeast side of the baghouse, adjacent to the activated carbon system. The site plans and elevations for the DSI Project are attached as **Exhibit 1**.

The control building will be a prefabricated building approximately 20 feet in width, 32 feet in length, and 13 feet in height. It will be positioned in the same location as an existing 320 square-foot, concrete-masonry-unit block structure that is currently unused. The existing structure will be demolished, and the demolition debris will be recycled or disposed of at a permitted off-site facility. The control building will contain the distributed control systems and redundant variable speed regenerative blowers for unloading and injecting the hydrated lime. The control building will be set on concrete piers to raise the floor of the building about six feet to an elevation of 15.5 feet NAVD88, which is above the 100-year flood hazard elevation of 14 feet NAVD88.

The hydrated lime storage silo will be a shop fabricated, dry welded tank and have an overall storage capacity of approximately 30 tons. The silo will have a height of approximately 56 feet and be supported by auger-cast concrete piles and a concrete pile cap. The external and internal surfaces will have epoxy coating. The silo will be equipped with level sensors and double mass flow discharge cones with air fluidizing pads and nozzles to promote lime flow. Similar to the control building, the silo will be set on a concrete pier with an elevation of 15.5 feet NAVD88, which is above the 100-year flood hazard elevation of 14 feet NAVD88.

The size and dimensions of the structures are summarized as follows:

<u>Structure</u>	<u>Approximate Footprint (sq. ft.)</u>	<u>Approximate Height (ft.)</u>
Control building	640 (32' x 20')	19
Hydrated Lime Silo	250 (14' ϕ)	56

The hydrated lime will be injected into the boiler flue gas stream using a pneumatic conveying system with two redundant Victaulic-coupled steel piping feed lines. Rotary valves and volumetric feeders, located beneath the silo, will discharge the hydrated lime from the silo into the conveying lines. Dry pressurized air from the variable speed regenerative blowers will pass through a Venturi Eductor, suctioning the lime from the volumetric feeders and carrying it to the distribution manifold. The distribution manifold will split the conveying air and lime mixture equally into multiple injection lances, which will introduce the hydrated lime into the flue gas ductwork downstream of the precipitator.

The lime injection system is designed for a maximum injection rate of approximately 325 lbs of hydrated lime per hour, but the anticipated operational rate is 122 lbs per hour. As discussed above, the hydrated lime will be recaptured by the Baghouse Filter after it has reacted with the acid gases. Hydrated lime will be delivered in 22 ton batches by self-unloading pneumatic bulk tanker trucks.

The control building will be powered by new electric feeds from the existing Power Distribution Center located on the southwest side of the baghouse. PSEG estimates that the DSI Project will consume approximately 89 kW/hr of station power and, therefore, will have minimal impact on the output of the Facility.

Construction of the DSI Project will take approximately six months. To achieve the April 2015 compliance date, PSEG plans on commencing the civil site work in the summer of 2014, completing the mechanical and electrical portions of the project in the fall, and installing the silo and other equipment by the end of 2014. PSEG intends to test and calibrate the system in early 2015 and to be fully operational by March 2015. PSEG has selected WorleyParsons Ltd. as the design and engineering firm. The DSI Project will be constructed in compliance with the applicable Connecticut State Building Code, and PSEG will apply to the City of Bridgeport (“City”) for demolition and building permits.

Following the mobilization period, the anticipated construction sequence, in general, is as follows:

- Installation of erosion control measures;
- Excavation for foundations;
- Installation of auger-cast concrete pilings;
- Form and pour foundations;
- Backfill of foundations;
- Installation of above ground lime conveying piping;
- Installation of above ground cable tray and conduit;
- Delivery and setting of control building and silo on their respective foundations;
- Installation of electrical cables and conductors;
- Electrical and mechanical tie-in;
- Site restoration; and
- Testing and start up.

In addition to filing this Petition, PSEG will obtain all other necessary local, state, and federal permits, approvals or exemptions.

PSEG's environmental consultant, Weston Solutions, Inc., has reviewed the DSI Project and determined that the improvements will be outside any identified potential release areas of the Facility. Weston Solutions, Inc. has completed soil sampling and determined that disturbed soils can be reused on the site. With the exception of the auger-cast piles for the control building and silo foundations, PSEG does not anticipate performing any construction activities below groundwater. Any soil or groundwater disturbed during construction activities will be managed in accordance with DEEP regulations.

B. The DSI Project will not have a Substantial Adverse Environmental Effect in the State

The DSI Project is limited in scope and involves only a minor modification of an existing Facility; therefore, as demonstrated below, the construction and operation of the DSI Project will not result in any substantial adverse environmental effects in the State of Connecticut.

1. The Construction of the DSI Project will not have a Substantial Adverse Environmental Effect in the State

Solid and Hazardous Waste Management

Environmental professionals retained by PSEG confirmed that the existing block structure does not contain asbestos materials. Given the relatively small size of the block structure, an excavator with a grapple attachment will be used to demolish the structure and segregate the materials. The demolition debris will be removed by the demolition contractor and recycled or disposed of in accordance with applicable laws and regulations. Soil generated from the foundation excavation for the control building and silo will be reused on-site. PSEG will require its contractors to obtain PSEG's approval of all disposal facilities prior to off-site shipment of

debris. As a result, the management of construction waste will not generate any adverse environmental effects.

Dust

Construction of the DSI Project will not generate significant dust. The area of disturbance will be limited, and the small amount of dust generated will be controlled by wetting the construction area as appropriate and by sweeping.

Traffic

The DSI Project will result in a minimal temporary increase in traffic during construction. Several truck trips will be required to deliver the prefabricated control building, silo, and associated piping. Additional truck trips will be required to remove demolition debris. At its peak, the construction process will employ approximately forty-five workers. The Facility's Kiefer Street Gate will be opened and utilized for contractor parking and for pedestrian entrance to the Facility. All material deliveries will enter through the Facility's Atlantic Street or Henry Street gates. This is the current practice used by the Facility to keep construction traffic away from the more residential areas leading to the Facility.

Sound

DSI Project construction will comply with DEEP and City sound regulations. In order to mitigate any potential impact on nearby residents, any major sound-generating construction activity will be performed Monday-Friday from 7:00 a.m. to 6:00 p.m. and from 9:00 a.m. to 6:00 p.m. on weekends. Work that does not generate significant additional sound may be performed during other periods of time.

Air and Water Discharges

DSI Project construction will not result in any air emissions, except for construction vehicle emissions and a minimal amount of dust during demolition activities.

Additionally, DSI Project construction is not expected to involve any water usage or discharges. A storm water discharge permit from DEEP for construction activities will not be required because the proposed activities will be limited to less than one acre of disturbance. Erosion and sedimentation control measures will be used to minimize any erosion or sedimentation in the work area during construction. The control measures will be inspected on a daily basis, and cleaned and repaired as necessary. See Erosion and Sedimentation Control Plan in **Exhibit 1**.

Further, PSEG does not anticipate encountering groundwater during its construction activities. However, if groundwater is encountered, PSEG's contractor will obtain appropriate authorizations from DEEP to dewater excavations and discharge the groundwater as needed.

Effect on Sensitive Receptors

The DSI Project will be located in a currently developed area of the Facility. As a result, there will be no impact on wildlife (including threatened and endangered species), vegetation, wetlands, watercourses, historical, architectural, cultural, or recreational resources.

Local Review

PSEG will apply to the City for a coastal site plan review and for building and demolition permits. PSEG has been in contact with Bridgeport Mayor Bill Finch's office regarding the DSI Project, and the City supports the DSI Project. See letter from Mayor Finch attached as **Exhibit 3**.

B. The Operation of the DSI Project will not have a Substantial Adverse Environmental Effect in the State

Air Emissions

Operation of the DSI System is expected to substantially reduce HCl and other acid gas emissions from the Facility. The DSI Project will not produce hydrated lime dust emissions. The system is fully enclosed, and the hydrated lime will not generally be exposed to the atmosphere. The silo will be equipped with a pulse-jet type bin vent filter to contain ambient dust during the loading process.

In addition to filing this Petition, PSEG will request from DEEP modifications of the Facility's new source review permit to construct and operate and its Title V operating permit. The requested modifications will incorporate the DSI Project and MATS emissions limits for HCl.

Solid Waste

As noted above, the Baghouse Filter will capture the hydrated lime particles after they have adsorbed acid gases. The additional particulates captured due to the dry sorbent injection will become part of the Facility's fly ash and will result in an increase in the volume of ash to be removed by less than 1.5% percent.

PSEG does not expect any material difference in the characteristics of the ash or in the requirements for handling or disposal of this ash. However, PSEG will test the ash periodically and will handle and dispose of the ash as required by applicable laws and regulations.

Water Use and Discharge

The operation of the DSI Project will not require the use of additional water or any new water discharges.

Sound

The sound generated by the operation of the blowers inside the proposed control building is not anticipated to be substantial. The DSI Project will be designed to comply with Occupational Safety and Health Administration (“OSHA”) work environment sound exposure requirements and with DEEP and City sound regulations. If applicable sound regulations are not satisfied, PSEG will take appropriate steps to reduce sound levels and meet the applicable regulations.

Visual and Aesthetic Effects

The DSI Project will have a minimal visual and aesthetic effect. The control building is relatively small and is less than 19 feet in total height. The silo is approximately 56 feet in height. These structures will include architectural treatments and colors compatible with the existing structures on the Facility site.

Importantly, the DSI Project will generally not be visible outside of the site. The control building and silo will be tucked between the existing baghouse and boiler, both of which exceed 90 feet in height. Further, the area is directly beneath a segment of the coal conveyor system. Consequently, the visual impact will be minimal.

Electric and Magnetic Fields

The DSI Project will include the installation of blowers and related electronic equipment, requiring the addition of breakers, distribution equipment, and power cables. All of this equipment will emit low-level electric and magnetic fields (“EMF”) that are typical within an industrial facility. The equipment will be designed to comply with OSHA standards and accepted design practices. The low-level of EMF added by the DSI Project will be consistent with the existing low-level fields at the Facility.

Storm Water

The DSI Project will result in a net increase of impervious area of about 1,650 square-feet. The area is presently surfaced with gravel and contains a 320 square-foot block structure. As a result, storm water permeation and runoff are not expected to materially change. However, the DSI Project structures will be added to the Facility's existing Storm Water Pollution Prevention Plan required under its DEEP Storm Water General Permit.

Traffic

The operation of the DSI Project is not anticipated to increase the number of vehicles trips to or from the Facility. PSEG anticipates that hydrated lime will be delivered by truck to the Facility approximately once every nine days

IV. NOTICE

PSEG has provided notice of this Petition to all persons and appropriate municipal officials and governmental agencies to whom notice is required to be given pursuant to Conn. Agencies Regs. § 16-50j-40(a).³ A copy of the notice letter and a service list is attached as **Exhibit 2**.

V. BASIS FOR GRANTING THE PETITION

Conn. Gen. Stat. § 16-50k(a) requires a Certificate from the Council for “any modification of a facility, that may, as determined by the council, have a substantial adverse environmental effect in the state” Here, the proposed DSI Project involves the installation of a small control building, silo, and associated piping and will be confined to a fully developed area of the site. The

³ Conn. Agencies Regs. § 16-50j-40(a) requires that “[p]rior to submitting a petition for a declaratory ruling to the Council, the petitioner shall, where applicable, provide notice to each person . . . appearing of record as an owner of property which abuts . . . the proposed facility, each person appearing of record as an owner of the property or properties on which . . . proposed facility is to be located, and the appropriate municipal officials and government agencies [listed in Section 16-50l of the Connecticut General Statutes].”

DSI Project will marginally increase the amount of fly ash generated but will substantially reduce the amount of acid gases emitted from the Facility. Further, the DSI Project will not substantially affect storm water, vegetation, wetlands, water courses, historical, architectural, cultural or recreational resources, or threatened or endangered species at the Facility. Finally, the DSI Project is necessary for PSEG to comply with the new federal standards for acid gas emissions under MATS. Consequently, PSEG respectfully submits that the construction and operation of the DSI Project will not “have a substantial adverse environmental effect in the state.”

VI. CONCLUSION

For the reasons stated above, PSEG respectfully requests that the Council grant this Petition and issue a declaratory ruling that the DSI Project will not have a “significant adverse environmental effect” in the State and that a Certificate is not required.

Respectfully Submitted,

PSEG Power Connecticut LLC

By: 

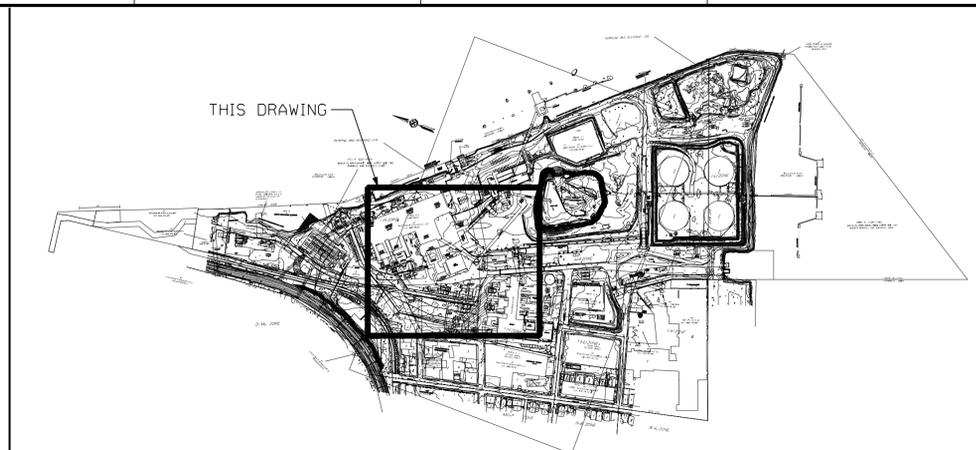
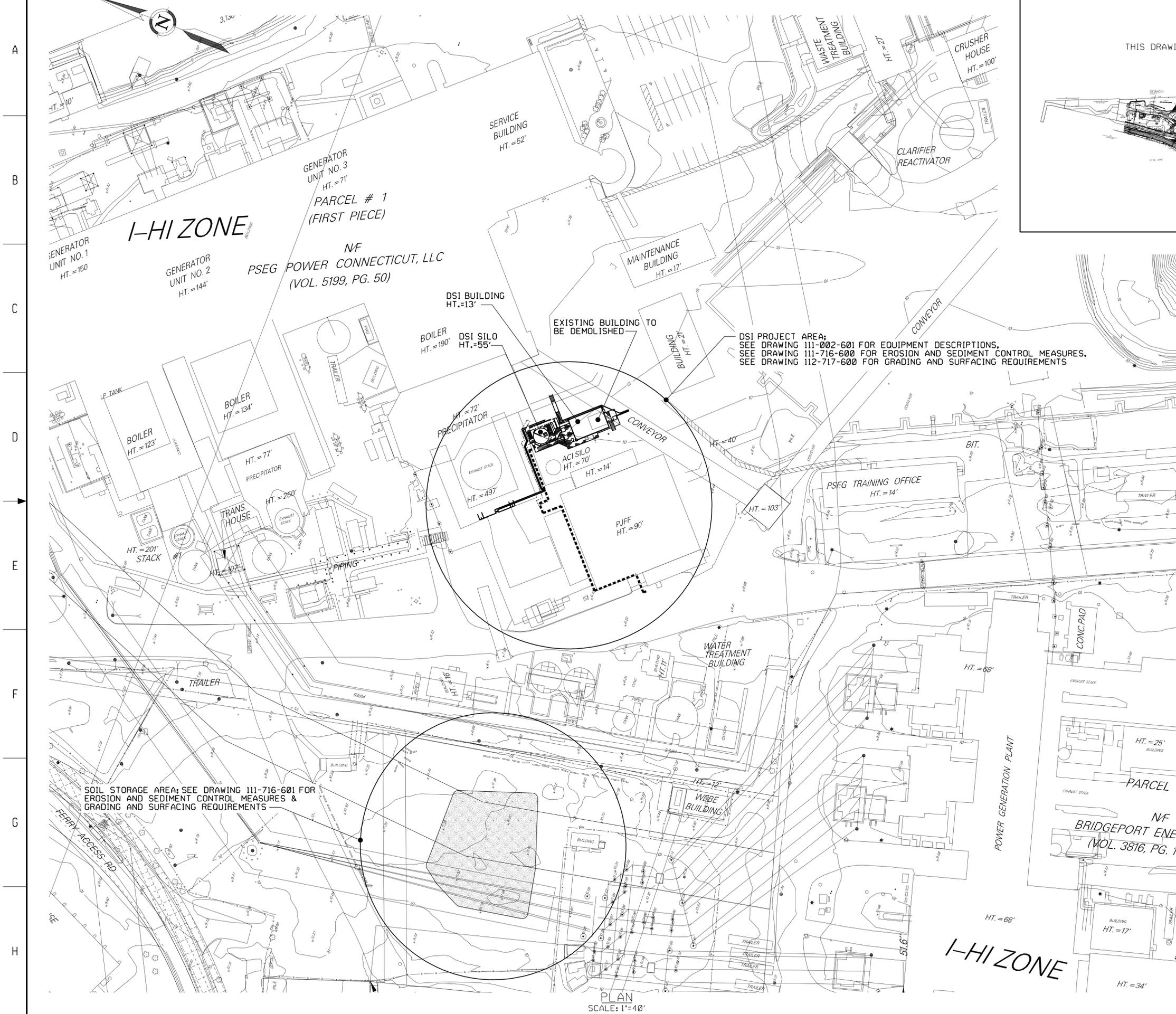
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fderosa@brownrudnick.com
tregan@brownrudnick.com
Its Attorneys

List of Exhibits

1. Site Plans and Elevations
2. Notice Letter and Service List
3. Letter from Mayor Bill Finch

Exhibit 1

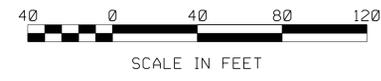
Site Plans and Elevations



KEY PLAN
SCALE: 1"=500'

NOTES:
1. BACKGROUND SHOWN OBTAINED VIA CADD FILE PROVIDED BY PSEG; REFERENCE DESIGN PROFESSIONALS TOPOGRAPHIC SURVEY, DRAWINGS VT-1 THRU VT-5 AND ALTA/ACSM LAND TITLE SURVEY, DRAWINGS VS-1 THRU VS-6 FOR ADDITIONAL INFORMATION.

- REFERENCES:
- BPHR-3-DW-111-002-601 DSI GENERAL ARRANGEMENT PLAN VIEW
 - BPHR-3-DW-111-716-600 EROSION AND SEDIMENT CONTROL PLAN
 - BPHR-3-DW-111-716-601 SOIL STORAGE AREA PLAN AND SECTION
 - BPHR-3-DW-112-717-600 GRADING AND SURFACING PLAN



REV	DATE	DESCRIPTION	DRAWN	CHECKED	LEAD ENGINEER	TECH. SPEC. ENGINEER	PROJ. ENGR. MANAGER
C	05/21/14	ISSUED FOR PERMITTING	JGM	RES	KJF	SMG	JCK/FD
B	05/21/14	ISSUED FOR REVIEW	JGM	RES	KJF	SMG	JCK/FD
A	05/14/14	ISSUED FOR REVIEW	KJF	RES	KJF	SMG	JCK/FD

PRELIMINARY STATUS: INFORMATION ONLY - NOT TO BE USED FOR CONSTRUCTION.
DATE: 05/21/14
APPROVED STATUS: REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.
DATE: / /

ORIGINATING PERSONNEL	PROFESSIONAL ENGINEER'S SEAL
DRAWN BY: KJF	
CHECKED BY:	
LEAD DESIGNER: KJ FRITZ	
ENGINEER/TECH. SPECIALIST: SM GRAHL	
PROJECT ENGINEERING MANAGER: F DRZAL	

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PSEG
Power Connecticut LLC
BRIDGEPORT HARBOR STATION

UNIT 3 DRY SORBENT INJECTION PROJECT
SITE PLAN

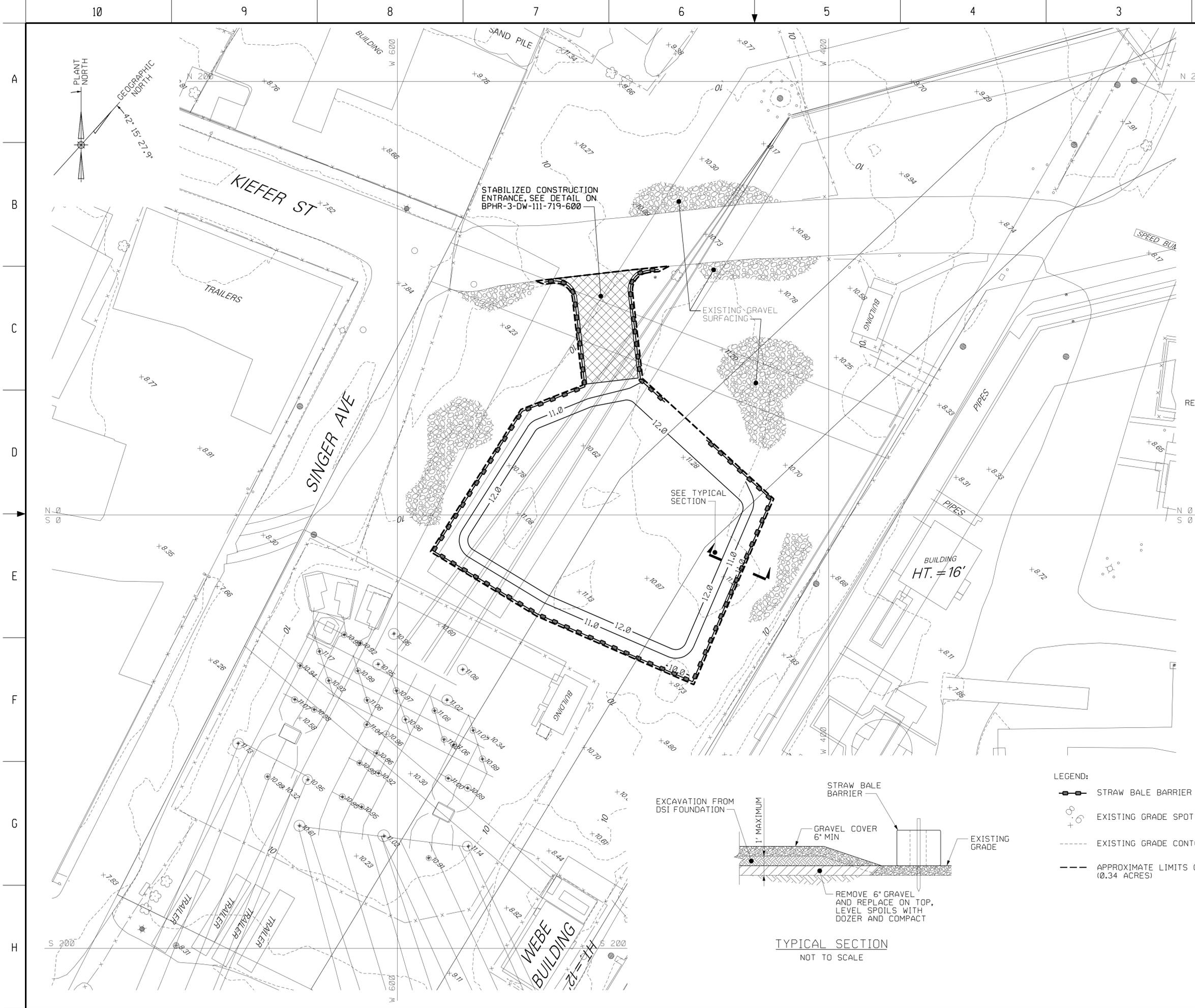
SCALE: 1"=40'	DRAWING SIZE: ARCH D (36" x 24")
WORLEYPARSONS' DWG. NO.: BPHR-3-DW-024-735-600	REV: C

SOIL STORAGE AREA; SEE DRAWING 111-716-601 FOR EROSION AND SEDIMENT CONTROL MEASURES & GRADING AND SURFACING REQUIREMENTS

DSI PROJECT AREA;
SEE DRAWING 111-002-601 FOR EQUIPMENT DESCRIPTIONS,
SEE DRAWING 111-716-600 FOR EROSION AND SEDIMENT CONTROL MEASURES,
SEE DRAWING 112-717-600 FOR GRADING AND SURFACING REQUIREMENTS

PLAN
SCALE: 1"=40'

BPHR-3-dw-024-735-600.dgn
5/27/2014 6:51:41 AM



- NOTES:
- GRID SYSTEM SHOWN IS BASED ON "SURVEYORS SITE MONUMENTS, BRIDGEPORT HARBOR STATION, BRIDGEPORT, CT." DRAWING NUMBER 056652 410-069.
 - ELEVATIONS SHOWN ARE BASED ON NAVD88. THE VERTICAL RELATIONSHIP BETWEEN NAVD88 AND THE BRIDGEPORT HARBOR VERTICAL GRID IS: 10.37 FEET (NAVD88) = 0.00 FEET BPHR VERTICAL DATUM.
 - FOLLOW CONSTRUCTION SEQUENCE AS SHOWN ON DRAWING BPHR-3-DW-111-719-600.
 - THE SITE IS COVERED BY URBAN LAND AND THE UORTHTENTS-URBAN LAND COMPLEX SOILS. DUE TO ITS MAN-MADE NATURE, THE PROPERTIES OF THE URBAN LAND SOILS ARE NOT IDENTIFIED. THE UORTHTENTS PORTION IS COMPOSED OF DEEP, WELL DRAINED, LOAM, GRAVELLY LOAM, AND GRAVELLY SANDY LOAM DERIVED FROM DRIFT MATERIALS.
 - PLACE FILL IN MAXIMUM 9-INCH LOOSE LIFTS AND COMPACT TO MINIMUM DENSITY OF 90 PERCENT OF THE MAXIMUM DRY DENSITY, AS DETERMINED BY MODIFIED PROCTOR TEST (ASTM D 1557) OR 93 PERCENT OF THE MAXIMUM DRY DENSITY, AS DETERMINED BY STANDARD PROCTOR TEST (ASTM D 698). MAINTAIN MOISTURE CONTENT AT TIME OF COMPACTION WITHIN + OR - 3% FROM THE OPTIMUM MOISTURE CONTENT.
 - ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
 - AFTER CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED REMOVE ALL EROSION AND SEDIMENT CONTROL MEASURES.
 - EXCAVATED SOIL FROM DSI PROJECT FOR STORAGE AREA SHOWN ON THIS DWG APPROXIMATELY 350 CY.

REFERENCES:

BPHR-3-DW-111-719-600 EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

BPHR-3-DW-024-735-600 SITE PLAN

SCALE IN FEET

REV	DATE	DESCRIPTION	DRAWN	CHECKED	LEAD ENGINEER	TECH. SPECIALIST	PROJECT ENGINEER	PROJ. ENGR. MANAGER
C	05/27/14	ISSUED FOR PERMITTING	JGM	RESKJF	SMG	JCK	FD	
B	05/22/14	ISSUED FOR REVIEW	JGM	RESKJF	SMG	JCK	FD	
A	05/14/14	ISSUED FOR REVIEW	KJF	RESKJF	SMG	JCK	FD	

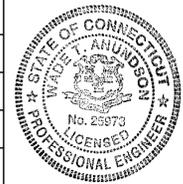
PRELIMINARY STATUS: INFORMATION ONLY - NOT TO BE USED FOR CONSTRUCTION.

DATE: 05/21/14

APPROVED STATUS: REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.

DATE: / /

ORIGINATING PERSONNEL: PROFESSIONAL ENGINEER'S SEAL



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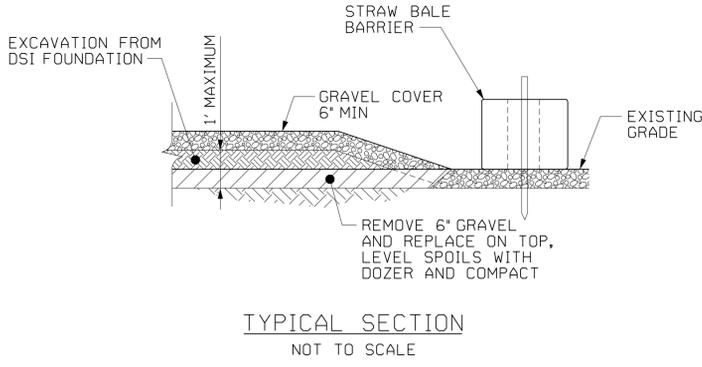
WorleyParsons
resources & energy

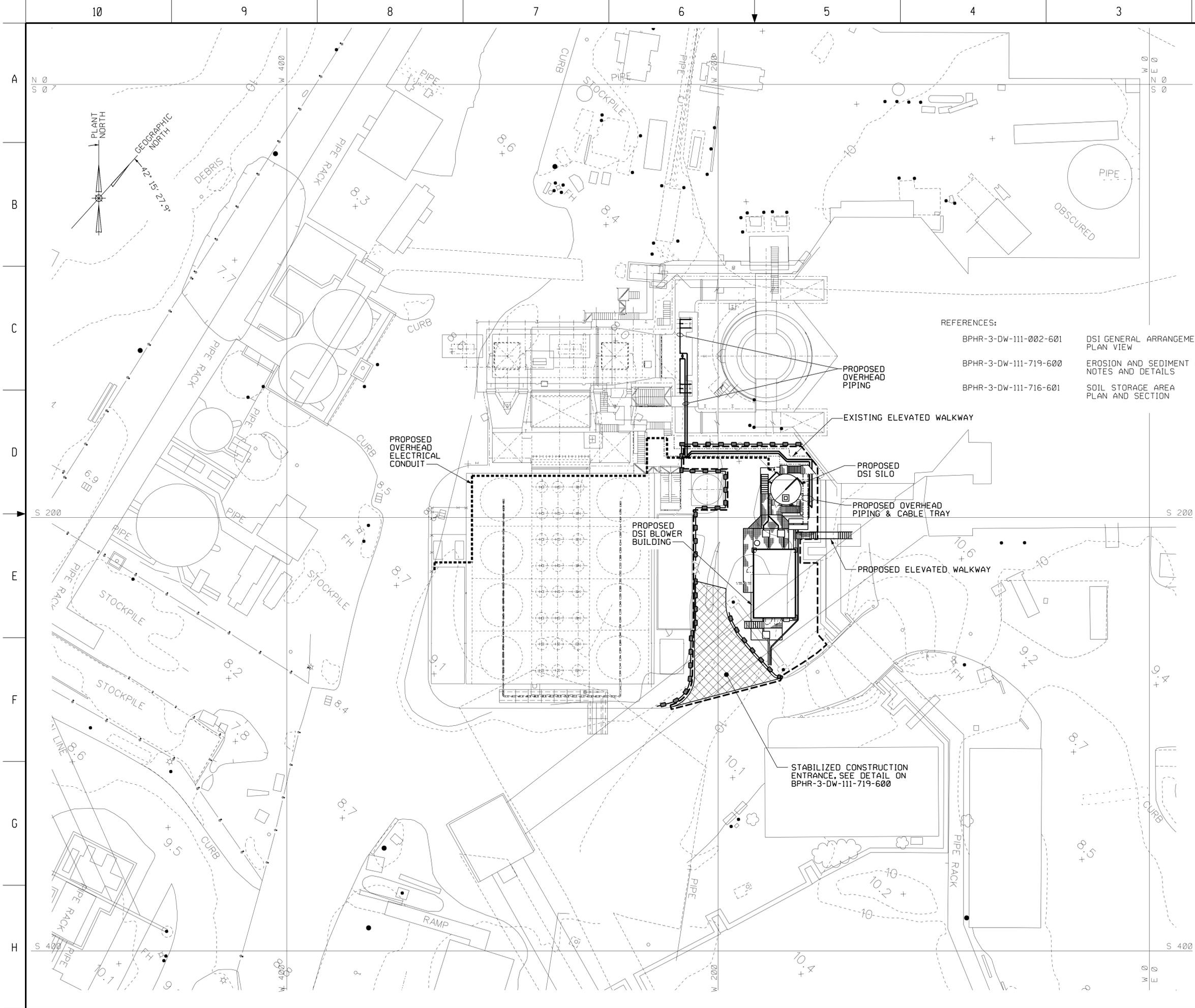
PSEG
Power Connecticut LLC
BRIDGEPORT HARBOR STATION

UNIT 3 DRY SORBENT INJECTION PROJECT
SOIL STORAGE AREA
PLAN AND SECTION

SCALE: 1"=20'
DRAWING SIZE: ARCH D (36" x 24")
WORLDWIDE PROJECTS: BPHR-3-DW-111-716-600
REV: C

- LEGEND:
- STRAW BALE BARRIER
 - +0.00 EXISTING GRADE SPOT ELEVATION
 - - - EXISTING GRADE CONTOUR
 - - - APPROXIMATE LIMITS OF DISTURBANCE (0.34 ACRES)

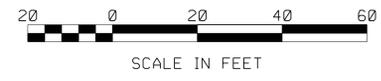




- NOTES:
1. GRID SYSTEM SHOWN IS BASED ON "SURVEYORS SITE MONUMENTS, BRIDGEPORT HARBOR STATION, BRIDGEPORT, CT." DRAWING NUMBER 056652 410-069.
 2. ELEVATIONS SHOWN ARE BASED ON NAVD88. THE VERTICAL RELATIONSHIP BETWEEN NAVD88 AND THE BRIDGEPORT HARBOR VERTICAL GRID IS: 10.37 FEET (NAVD88) = 0.00 FEET BPHR VERTICAL DATUM.
 3. SOILS EXCAVATED FOR CONSTRUCTION SHALL BE PLACED ON THE HIGH SIDE OF THE EXCAVATION. EXCESS SPOILS SHALL BE PLACED IN SOIL STORAGE AREA, SEE DRAWING BPHR-3-DW-111-716-601.
 4. THE SITE IS COVERED BY URBAN LAND AND THE UDORTHENTS-URBAN LAND COMPLEX SOILS. DUE TO ITS MAN-MADE NATURE, THE PROPERTIES OF THE URBAN LAND SOILS ARE NOT IDENTIFIED. THE UDORTHENTS PORTION IS COMPOSED OF DEEP, WELL DRAINED, LOAM, GRAVELLY LOAM, AND GRAVELLY SANDY LOAM DERIVED FROM DRIFT MATERIALS.
 5. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
 6. AFTER CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED REMOVE ALL EROSION AND SEDIMENT CONTROL MEASURES.

- REFERENCES:
- BPHR-3-DW-111-002-601 DSJ GENERAL ARRANGEMENT PLAN VIEW
 - BPHR-3-DW-111-719-600 EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
 - BPHR-3-DW-111-716-601 SOIL STORAGE AREA PLAN AND SECTION

- LEGEND:
- STRAW BALE BARRIER
 - + ○ EXISTING GRADE SPOT ELEVATION
 - - - - EXISTING GRADE CONTOUR
 - - - - APPROXIMATE LIMITS OF DISTURBANCE (0.15 ACRES)



REV	DATE	DESCRIPTION	DRAWN	CHECKED	REVIEWED	LEAD ENGINEER	TECH. SPEC. ENGINEER	PROJ. ENGR. MANAGER
C	05/27/14	ISSUED FOR PERMITTING	JGM	RES.KJF	SMG	JCK	FD	
B	05/14/14	ISSUED FOR REVIEW	KJF	RES.KJF	SMG	JCK	FD	
A	05/14/14	ISSUED FOR REVIEW	KJF	RES.KJF	SMG	JCK	FD	

PRELIMINARY STATUS: INFORMATION ONLY - NOT TO BE USED FOR CONSTRUCTION.
 DATE: 04/21/14
 APPROVED STATUS: REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.
 DATE: / /

ORIGINATING PERSONNEL	PROFESSIONAL ENGINEER'S SEAL
DRAWN BY: KJF	
CHECKED BY:	
LEAD DESIGNER: KJ FRITZ	
ENGINEER/TECH. SPECIALIST: SM GRAHL	
PROJECT ENGINEERING MANAGER: F DRZAL	

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 resources & energy

PSEG
 Power Connecticut LLC
 BRIDGEPORT HARBOR STATION

UNIT 3 DRY SORBENT INJECTION PROJECT
 EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"=20'
 DRAWING SIZE: ARCH D (36' x 24')

WORLDWIDE DESIGN, INC. REV: BPHR-3-DW-111-716-600
 DATE: 5/27/2014

BPHR-3-dw-111-716-600.dgn
 5/27/2014 10:06:06 AM

- NOTES:
- GRID SYSTEM SHOWN IS BASED ON "SURVEYORS SITE MONUMENTS, BRIDGEPORT HARBOR STATION, BRIDGEPORT, CT." DRAWING NUMBER 056652 410-069.
 - ELEVATIONS SHOWN ARE BASED ON NAVD88. THE VERTICAL RELATIONSHIP BETWEEN NAVD88 AND THE BRIDGEPORT HARBOR VERTICAL GRID IS: 10.37 FEET (NAVD88) = 0.00 FEET BPHR VERTICAL DATUM.
 - FOLLOWING COMPLETION OF CONSTRUCTION, AREA SHALL BE RESTORED TO EXISTING SURFACE GRADE, MATERIAL TYPE, AND THICKNESS. MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDINGS AND FOUNDATIONS.

- LEGEND:
- + ○ EXISTING GRADE SPOT ELEVATION
 - EXISTING GRADE CONTOUR

- REFERENCES:
- BPHR-3-DW-111-716-600 EROSION AND SEDIMENT CONTROL PLAN
 - BPHR-3-DW-111-002-601 DSI GENERAL ARRANGEMENT PLAN VIEW



REV	DATE	DESCRIPTION	DRAWN	CHECKED	LEAD ENGINEER	TECH. SPEC. ENGINEER	PROJ. ENGR. MANAGER
C	05/27/14	ISSUED FOR PERMITTING	JGM	RESKJF	SMG	JCK	FD
B	05/21/14	ISSUED FOR REVIEW	JGM	RESKJF	SMG	JCK	FD
A	05/14/14	ISSUED FOR REVIEW	GJU	RESKJF	SMG	JCK	FD

PRELIMINARY STATUS DATE INFORMATION ONLY - NOT TO BE USED FOR CONSTRUCTION.
 LDE JC KAPLAN 04/21/14
 APPROVED STATUS DATE REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.
 LDE / /

DRAWN BY GJU	
CHECKED BY	
LEAD DESIGNER KJ FRITZ	
ENGINEER/TECH SPECIALIST SM GRAHL	
PROJECT ENGINEERING MANAGER F DRZAL	

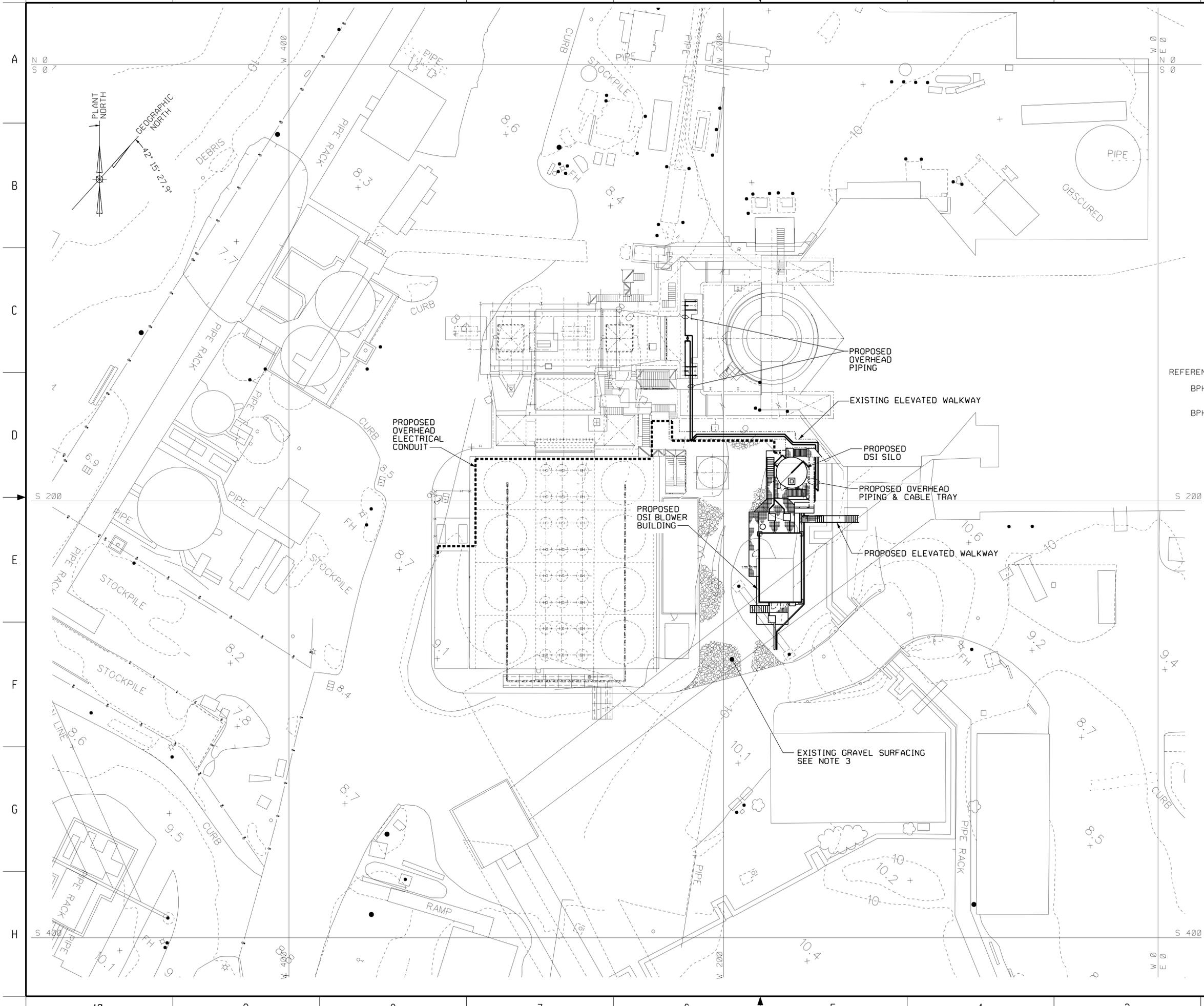
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WorleyParsons
 resources & energy

PSEG
 Power Connecticut LLC
 BRIDGEPORT HARBOR STATION

UNIT 3 DRY SORBENT INJECTION PROJECT
 GRADING AND SURFACING
 PLAN

SCALE: 1"=20'
 DRAWING SIZE: ARCH D (36' x 24')
 WORLEYPARSONS DWG. NO.: BPHR-3-DW-112-717-600
 REV: C



BPHR-3-dw-112-717-600.dgn
 5/27/2014 9:07:12 AM

GENERAL NOTES:

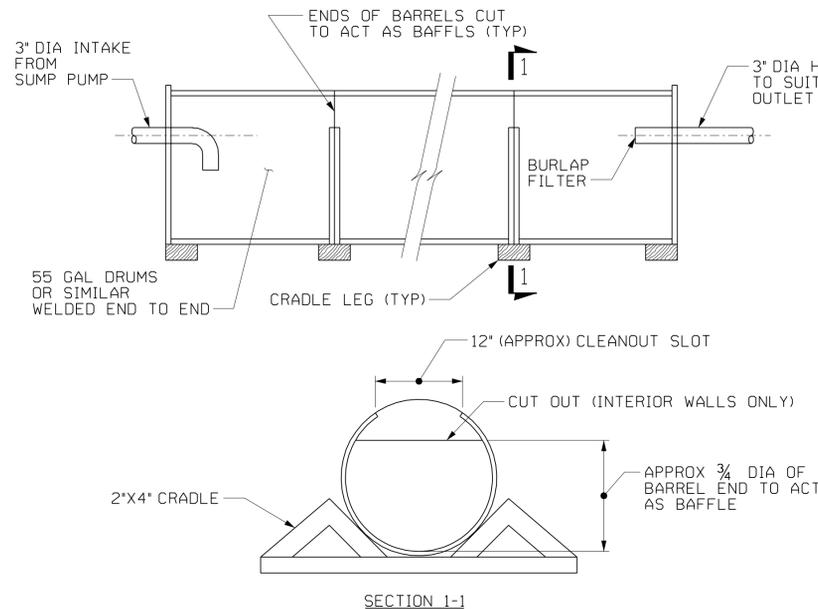
1. THE CONSTRUCTION START DATE IS APPROXIMATELY SEPTEMBER 2014 AND COMPLETION DATE IS APPROXIMATELY JANUARY 2015.
2. THE RESPONSIBLE INDIVIDUAL FOR MONITORING EROSION CONTROL AND DUST CONTROL MEASURES IS THE CONSTRUCTION MANAGER. THE CONTACT INFORMATION SHALL BE PROVIDED AT A LATER DATE WHEN CONFIRMED.
3. SITE DEVELOPMENT SHALL NOT BEGIN UNLESS THE SOIL EROSION AND SEDIMENT CONTROL (SESC) PLAN IS APPROVED AND THOSE CONTROL MEASURES AND FACILITIES IN THE SESC PLAN SCHEDULED FOR INSTALLATION PRIOR TO SITE DEVELOPMENT ARE INSTALLED AND FUNCTIONAL.
4. THE CONTROL OF DUST WITHIN THE PROJECT LIMITS AND ACCESS LOCATIONS SHALL CONSIST OF MECHANICAL SWEEPING ON PAVED AREAS WHERE DUST AND FINE MATERIALS ACCUMULATE AND PERIODICALLY MOISTENING EXPOSED SOIL SURFACES IN UNPAVED AREAS TO KEEP TRAVEL WAYS DAMP. THE CONSTRUCTION MANAGER SHALL MONITOR DUST/PARTICULATE ACCUMULATION AND REQUIRE THE CONTRACTOR TO APPLY DUST CONTROL MEASURES WHEN FUGITIVE DUST BECOMES EVIDENT.
5. SITE INSPECTIONS MAY BE MADE BY THE CITY OF BRIDGEPORT HARBOR, OR ITS DESIGNATED AGENT (COMMISSION), DURING DEVELOPMENT TO ENSURE COMPLIANCE WITH THE APPROVED SESC PLAN. A SITE INSPECTOR SHALL DETERMINE THAT CONTROL MEASURES AND FACILITIES ARE PROPERLY PERFORMED OR INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. THE APPLICANT, OR AN AGENT THEREOF, SHALL HAVE THE APPROVED SESC PLAN DOCUMENT READILY AVAILABLE AT THE JOB SITE AND SHALL MAKE THE DOCUMENT AVAILABLE FOR INSPECTION UPON REQUEST.
6. WRITTEN STAFF REPORTS OF INSPECTIONS SHALL BE SUBMITTED TO THE CITY WITHIN FIVE (5) WORKING DAYS OF SUCH INSPECTION.
7. THE CITY MAY REQUIRE THE APPLICANT, OR AN AGENT THEREOF, TO VERIFY THROUGH PROGRESS REPORTS THAT SOIL EROSION AND SEDIMENT CONTROL AND DUST CONTROL MEASURES AND FACILITIES HAVE BEEN PERFORMED OR INSTALLED ACCORDING TO THE APPROVED SESC PLAN AND ARE BEING OPERATED AND MAINTAINED PROPERLY.
8. IF, UPON INSPECTION OF THE SITE, THE SITE INSPECTOR DETERMINES THAT THE CONTROL MEASURES IN PLACE ARE NOT ADEQUATE TO CONTROL EROSION OR DUST, ADDITIONAL MEASURES MAY BE REQUIRED TO BE INSTALLED WITHIN A REASONABLE TIME LIMIT AS DETERMINED BY THE INSPECTOR. ANY SUCH REQUEST FOR ADDITIONAL CONTROL MEASURES SHALL BE MADE IN WRITING AND SHALL BE BROUGHT TO THE ATTENTION OF THE CITY WITHIN FIVE (5) WORKING DAYS OF THE INSPECTION.
9. AT LEAST 7 DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, THE OWNER, AND THE EROSION AND SEDIMENT CONTROL PLAN PREPARER TO AN ON-SITE PRE-CONSTRUCTION MEETING.
10. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE CONTRACTOR/OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
11. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE TO A PORTABLE SEDIMENT TANK. DISPOSE OF SEDIMENT AND WATER PER OWNER'S DIRECTION.
12. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT CONTROL BMPs AND DUST CONTROL MEASURES MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROL BMPs AFTER EACH RUNOFF EVENT AS REQUIRED. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING MECHANICAL SWEEPING CLEANOUT, REPAIR, REPLACEMENT, RE-GRADING, SOIL MOISTENING, RE-SEEDING, RE-MULCHING AND RE-NETTING MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
13. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING CONSTRUCTION SEQUENCE. THE CONTRACTOR SHALL REVIEW THE SEQUENCE AND MAKE MODIFICATIONS, IF REQUIRED, WITH APPROVAL FROM THE EROSION AND SEDIMENT CONTROL PLAN PREPARER, ENGINEER, AND OWNER.

CONSTRUCTION SEQUENCE: DSI AREA DRAWINGS BPHR-3-DW-111-716-600 & 112-717-600

1. PLACE STRAW BALE BARRIERS AS SHOWN ON THE PLAN DRAWING.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE AT LOCATION INDICATED ON THE PLAN DRAWING.
3. INSTALL FOUNDATIONS AND SLABS FOR BUILDINGS AND EQUIPMENT. USE PORTABLE SEDIMENT TANKS FOR DEWATERING.
4. CONSTRUCT THE STRUCTURES AND BUILDINGS AS SHOWN ON THE DRAWINGS.
5. AFTER THE COMPLETION OF CONSTRUCTION, ALL SURFACES SHALL BE RESTORED TO ORIGINAL CONDITIONS.
6. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, ALL REMAINING TEMPORARY EROSION AND SEDIMENT POLLUTION CONTROL FACILITIES SHALL BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE CONTROLS SHALL BE STABILIZED IMMEDIATELY.
7. SHOULD ANY MEASURES CONTAINED WITHIN THIS PLAN PROVE INCAPABLE OF ADEQUATELY REMOVING SEDIMENT FROM ON-SITE FLOWS PRIOR TO DISCHARGE, INCAPABLE OF CONTROLLING FUGITIVE DUST, OR INCAPABLE OF STABILIZING THE SURFACES INVOLVED, ADDITIONAL MEASURES SHALL BE IMMEDIATELY IMPLEMENTED BY THE CONTRACTOR TO ELIMINATE ALL SUCH PROBLEMS.

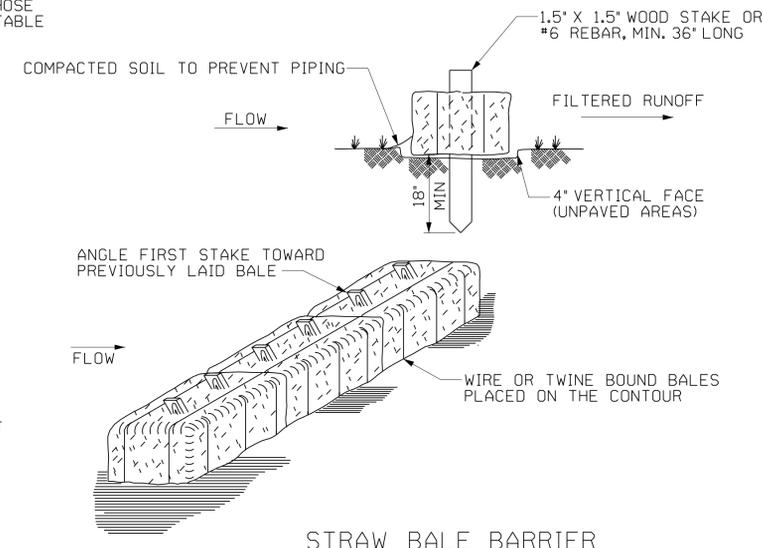
CONSTRUCTION SEQUENCE: SOIL STORAGE AREA DRAWING BPHR-3-DW-111-716-601

1. PLACE STRAW BALE BARRIERS AS SHOWN ON PLAN DRAWING.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE AS SHOWN ON PLAN DRAWING.
3. SCARIFY GRAVEL FROM LIMIT OF DISTURBANCE AND STORE ONSITE AS DIRECTED BY OWNER.
4. SPREAD AND COMPACT SPOILS WITHIN LIMITS OF DISTURBANCE.
5. AFTER COMPACTION, COVER SPOILS WITH 6" GRAVEL COVER AS SHOWN ON SECTION.
6. AFTER COMPLETION OF CONSTRUCTION, ALL REMAINING SURFACES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.



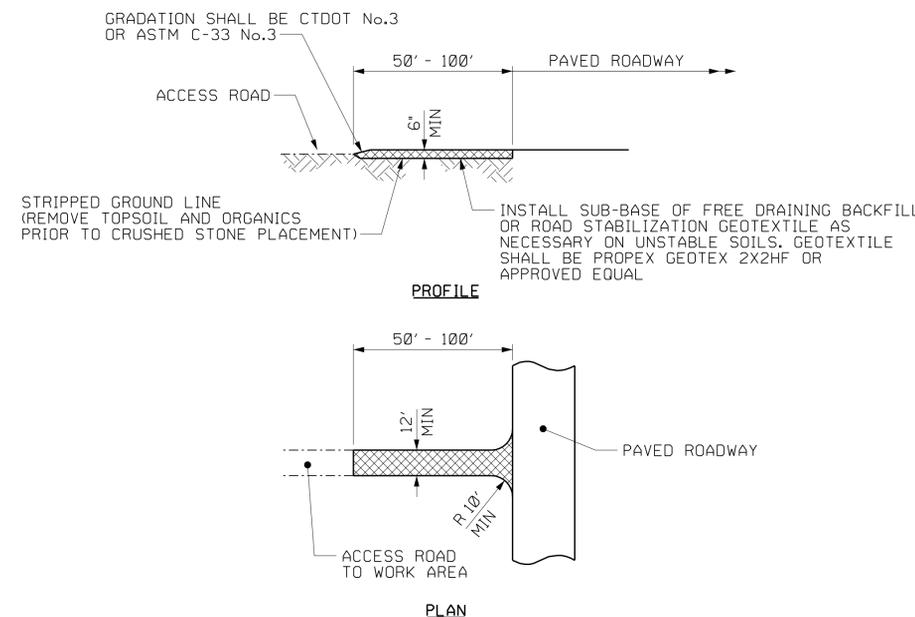
1. CLEAN OUT THE SEDIMENT TANK WHEN ONE THIRD (1/3) FILLED WITH SILT.
2. STEEL DRUMS ARE USED AS AN EXAMPLE DUE TO THEIR READY AVAILABILITY ANY TANKS MAY BE USED PROVIDING THAT THE VOLUME REQUIREMENTS ARE MET.
3. ALL SEDIMENT COLLECTED IN THE TANK SHALL BE DISPOSED OF IN A SEDIMENT TRAPPING DEVICE OR AS APPROVED BY THE INSPECTOR.

PORTABLE SEDIMENT TANK DETAIL
NOT TO SCALE



REFERENCES:

BPHR-3-DW-024-735-600	SITE PLAN
BPHR-3-DW-111-716-600	EROSION AND SEDIMENT CONTROL PLAN
BPHR-3-DW-111-716-600	SOIL STORAGE AREA PLAN AND SECTION
BPHR-3-DW-112-717-600	GRADING AND SURFACING PLAN



- NOTES:**
1. STABILIZED CONSTRUCTION ENTRANCE INSTALLATION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
 2. MAINTAIN THE SPECIFIED THICKNESS OF ALL STABILIZED CONSTRUCTION ENTRANCES BY ADDITION OF CRUSHED STONE.
 3. IF THE ENTRANCE IS UNABLE TO PREVENT THE MAJORITY OF SEDIMENTS FROM BEING TRACKED OFF SITE, THE ENTRANCE MUST EITHER BE EXTENDED OR A WASHING RACK INSTALLED.

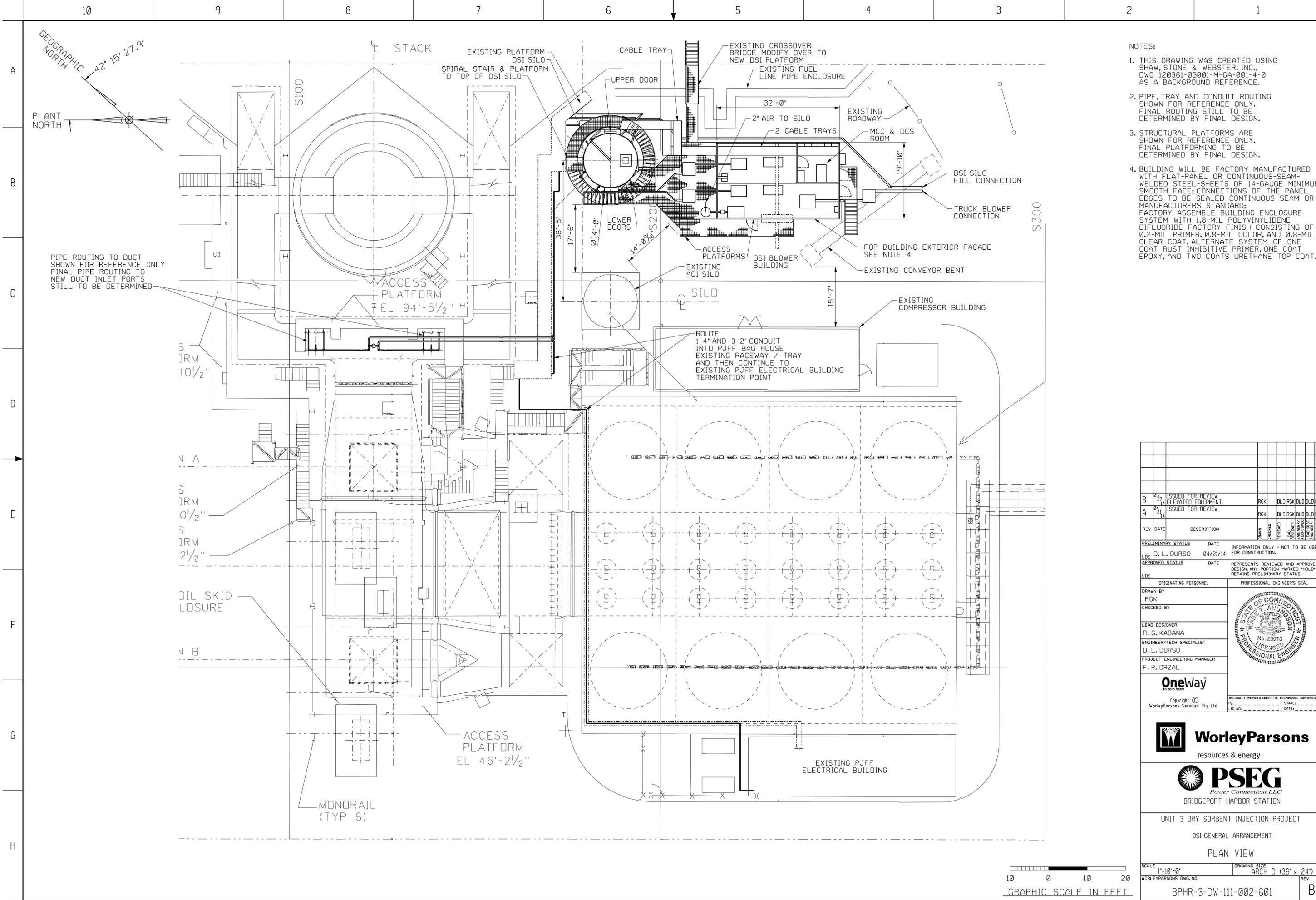
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B	09/21/14	ISSUED FOR REVIEW	KJF	RES	KJF	SMG	JCK	FD	
A	08/14/14	ISSUED FOR REVIEW	KJF	RES	KJF	SMG	JCK	FD	
REV	DATE	DESCRIPTION	DRAWN	CHECKED	REVIEWED	LEAD ENGINEER	TECH. SPEC. ENGINEER	PROJECT ENGINEER	PROJ. ENGR. REVIEWER
PRELIMINARY STATUS		DATE	INFORMATION ONLY - NOT TO BE USED FOR CONSTRUCTION.						
LDE JC KAPLAN		04/21/14							
APPROVED STATUS		DATE	REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.						
LDE		/ /							
ORIGINATING PERSONNEL			PROFESSIONAL ENGINEER'S SEAL						
DRAWN BY KJF									
CHECKED BY									
LEAD DESIGNER KJ FRITZ									
ENGINEER/TECH SPECIALIST SM GRAHL PROJECT ENGINEERING MANAGER F DRZAL									
			<small>ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF PEG - WADSWORTH, STATE OF CONNECTICUT LIC. NO. 25973 - DATE 08/27/14</small>						



UNIT 3 DRY SORBENT INJECTION PROJECT
EROSION AND SEDIMENT CONTROL
NOTES AND DETAILS

SCALE NONE	DRAWING SIZE ARCH D (36' x 24')
WORLDWIDE PARSONS O.W.G. NO.	REV
BPHR-3-DW-111-719-600	C

Bphr-3-dw-111-719-600.dgn
5/27/2014 9:05:21 AM



- NOTES:
- THIS DRAWING WAS CREATED USING SHAW, STONE & WEBSTER, INC., DWG 120361-03001-M-GA-001-4-0 AS A BACKGROUND REFERENCE.
 - PIPE, TRAY AND CONDUIT ROUTING SHOWN FOR REFERENCE ONLY. FINAL ROUTING STILL TO BE DETERMINED BY FINAL DESIGN.
 - STRUCTURAL PLATFORMS ARE SHOWN FOR REFERENCE ONLY. FINAL PLATFORMING TO BE DETERMINED BY FINAL DESIGN.
 - BUILDING WILL BE FACTORY MANUFACTURED WITH FLAT-PANEL OR CONTINUOUS-SEAM-WELDED STEEL-SHEETS OF 14-GAUGE MINIMUM; SMOOTH FACE; CONNECTIONS OF THE PANEL EDGES TO BE SEALED CONTINUOUS SEAM OR MANUFACTURERS STANDARD; FACTORY ASSEMBLE BUILDING ENCLOSURE SYSTEM WITH 1.8-MIL POLYVINYLIDENE DIFLUORIDE FACTORY FINISH CONSISTING OF 0.2-MIL PRIMER, 0.8-MIL COLOR, AND 0.8-MIL CLEAR COAT. ALTERNATE SYSTEM OF ONE COAT RUST INHIBITIVE PRIMER, ONE COAT EPOXY, AND TWO COATS URETHANE TOP COAT.

REV	DATE	DESCRIPTION	DRAWN	CHECKED	REVIEWED	LEAD ENGINEER	TECH. SPEC. ENGINEER	PROJ. ENGR. MANAGER
B	04/21/14	ISSUED FOR REVIEW ELEVATED EQUIPMENT	RGK					
A	04/21/14	ISSUED FOR REVIEW	RGK					
PRELIMINARY STATUS		DATE	INFORMATION ONLY - NOT TO BE USED FOR CONSTRUCTION.					
LDE		D. L. DURSO	04/21/14					
APPROVED STATUS		DATE	REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.					
LDE								
DRAWN BY			PROFESSIONAL ENGINEER'S SEAL					
RGK								
CHECKED BY								
LEAD DESIGNER								
R. G. KABANA								
ENGINEER/TECH SPECIALIST								
D. L. DURSO								
PROJECT ENGINEERING MANAGER								
F. P. DRZAL								
OneWay			ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF					
Copyright ©			STATE, PROJECT, DATE:					
WorleyParsons Services Pty Ltd			LIC. NO., REV. DATES:					

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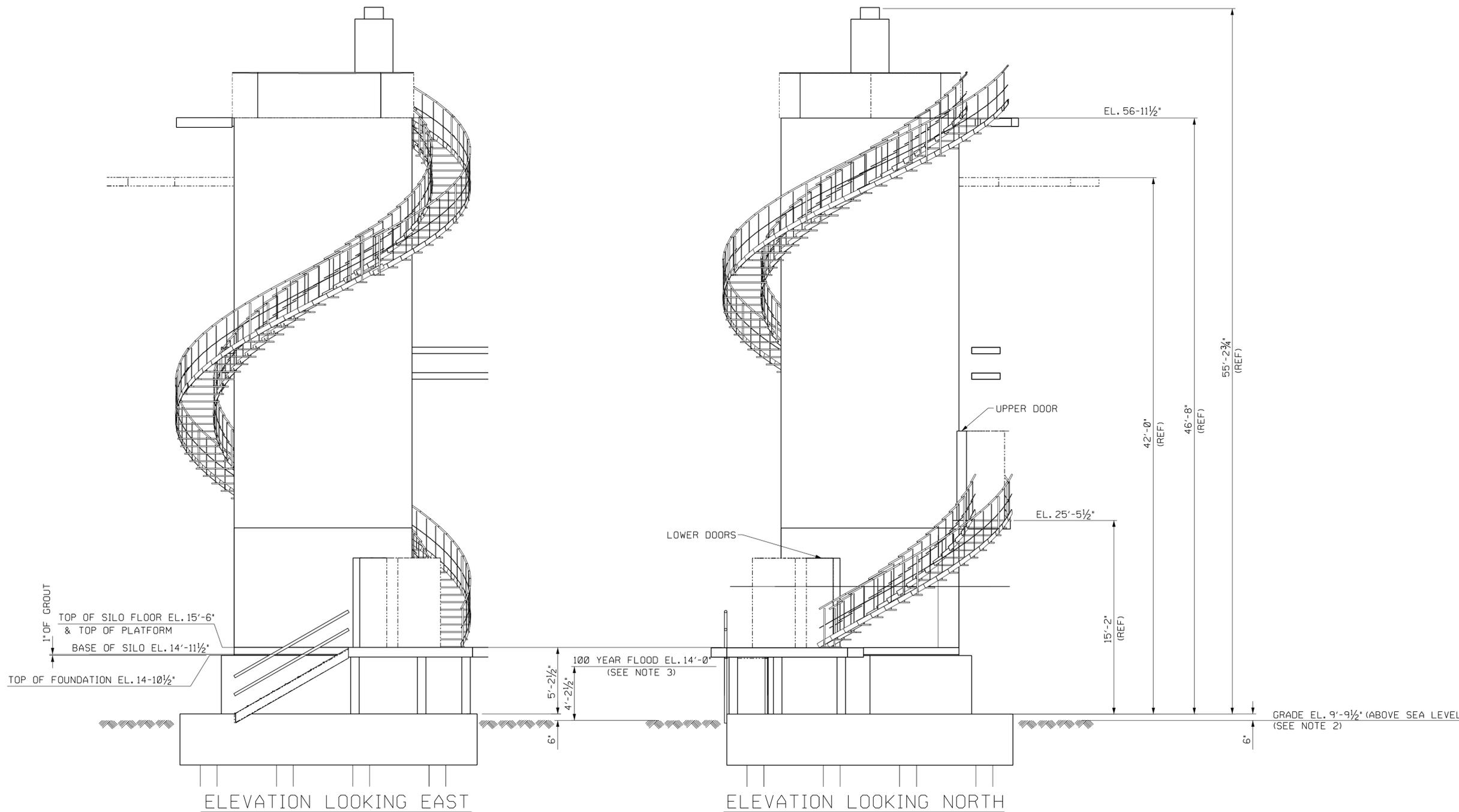
PSEG
Power Connecticut LLC
BRIDGEPORT HARBOR STATION

UNIT 3 DRY SORBENT INJECTION PROJECT
DSI GENERAL ARRANGEMENT
PLAN VIEW

SCALE: 1"=10'-0"
DRAWING SIZE: ARCH D (36" x 24")
WORLEYPARSONS' DWG. NO. BPHR-3-DW-111-002-601



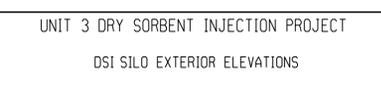
- NOTES:
 1. REFERENCE CLYDE BERGEMANN
 DRAWING NUMBER 14-135-GA01
 2. ELEVATIONS SHOWN ARE BASED ON NAVD88.
 3. INSURANCE RATE MAP.
 FEMA FLOOD MAP 09001C0441G
 REVISED JULY 8, 2013
 ELEVATION REFERENCE NAVD88.



REV	DATE	DESCRIPTION	DRAWN	CHECKED	REVIEWED	LEAD ENGINEER	TECH. SPEC. ENGINEER	PROJ. ENGR. MANAGER
B	05/27/14	ISSUED FOR REVIEW						
		ELEVATED EQUIPMENT	RGK	DLD	RGK	DLD	DLD	FPD
A	04/21/14	ISSUED FOR REVIEW						
			RGK	DLD	RGK	DLD	DLD	FPD

PRELIMINARY STATUS: INFORMATION ONLY - NOT TO BE USED FOR CONSTRUCTION.
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 APPROVED STATUS: REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.
 DATE: _____

ORIGINATING PERSONNEL	PROFESSIONAL ENGINEER'S SEAL
DRAWN BY RGK	
CHECKED BY	
LEAD DESIGNER R. G. KABANA	
ENGINEER/TECH SPECIALIST D.L. DURSO	
PROJECT ENGINEERING MANAGER F. P. DRZAL	



UNIT 3 DRY SORBENT INJECTION PROJECT
 OSI SILO EXTERIOR ELEVATIONS
 ELEVATION VIEW

SCALE: 1/4"=1'
 DRAWING SIZE: ARCH D (36" x 24")
 WORLEYPARSONS DWG. NO.: BPHR-3-DW-111-102-601
 REV: B

Exhibit 2

Notice Letter and Service List

THOMAS J. REGAN
ATTORNEY-AT-LAWDirect: 860-509-6522
tregan@brownrudnick.com

May 27, 2014

VIA FIRST CLASS MAIL**RE: Petition of PSEG Power Connecticut LLC for a Declaratory Ruling
1 Atlantic Street, Bridgeport, Connecticut
Mercury and Air Toxic Standards Compliance**

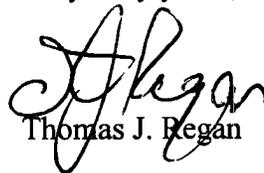
Dear Sir or Madam:

Pursuant to Section 16-50j-40 of the Connecticut Siting Council's (the "Council") regulations, we are notifying you that PSEG Power Connecticut LLC ("PSEG") intends to file on or shortly after May 30, 2014, a petition for declaratory ruling with the Council. The petition will request that the Council issue a declaratory ruling that a certificate of environmental compatibility and public need is not required for the proposed installation of a dry sorbent injection system (the "DSI Project") at PSEG's Bridgeport Harbor Generating Station, 1 Atlantic Street, Bridgeport, Connecticut (the "Facility").

The DSI Project will reduce the emissions from the Facility in compliance with the United States Environmental Protection Agency's final rule for Mercury and Air Toxic Standards, 40 C.F.R Parts 60 and 63.

If you have any questions regarding the proposed Facility, please contact the undersigned at (860) 509-6522, Neil Brown of PSEG at (973) 430-6017, or the Council at (860) 827-2935.

Very truly yours,


Thomas J. Regan

TJR:ct

PROOF OF NOTICE

This is to certify that on the 27 day of May 2014, the foregoing notice was sent via first class mail to the following:

<i>MUNICIPAL OFFICIAL / AGENCY</i>	<i>NAME/ADDRESS</i>
Bridgeport Chief Executive Officer	Mayor Bill Finch Office of the Mayor City of Bridgeport Margaret E. Morton Government Center 999 Broad Street Bridgeport, CT 06604
Bridgeport Planning & Zoning Commission	Mel Riley, Chair Planning & Zoning Commission Bridgeport City Hall 45 Lyon Terrace Room 210 Bridgeport, CT 06604
Bridgeport Zoning Administrator	Dennis Buckley Zoning Administrator Zoning Department Bridgeport City Hall 45 Lyon Terrace Room 210 Bridgeport, CT 06604
Bridgeport Wetlands Commission	Bridgeport Wetlands Commission c/o William Minor, Director Land Use Bridgeport City Hall 45 Lyon Terrace Room 212 Bridgeport, CT 06604
Bridgeport Regional Planning Agency	Greater Bridgeport Regional Council Brian T. Bidolli Executive Director 525 Water Street Bridgeport, CT 06604

<i>MUNICIPAL OFFICIAL / AGENCY</i>	<i>NAME/ADDRESS</i>
Bridgeport State Representative	Charles Clemons, Jr. State Representative, 124th District Legislative Office Building, Room 4051 Hartford, CT 06106-1591
Bridgeport State Representative	Charlie L. Stallworth State Representative, 126th District Legislative Office Building, Room 4050 Hartford, CT 06106-1591
Bridgeport State Representative	Jack Hennessy State Representative, 127th District Legislative Office Building, Room 5002 Hartford, CT 06106-1591
Bridgeport State Representative	Christina Ayala State Representative, 128th District Legislative Office Building, Room 4000 Hartford, CT 06106-1591
Bridgeport State Representative	Auden C. Grogins State Representative, 129th District Legislative Office Building, Room 4024 Hartford, CT 06106-1591
Bridgeport State Representative	Ezequiel Santiago State Representative, 130th District Legislative Office Building, Room 3802 Hartford, CT 06106-1591
Bridgeport State Senator	Anthony Musto State Senator Legislative Office Building, Room 2200 Hartford, CT 06106-1591
Bridgeport State Senator	Andres Ayala, Jr. State Senator Legislative Office Building, Room 3600 Hartford, CT 06106-1591
Connecticut Attorney General	George Jepsen, Attorney General Office of the Attorney General 55 Elm Street Hartford, CT 06106

<i>MUNICIPAL OFFICIAL / AGENCY</i>	<i>NAME/ADDRESS</i>
State Department of Energy and Environmental Protection	Robert Klee, Commissioner Department of Energy & Environmental Protection 79 Elm Street Hartford, CT 06106-5127
State Public Utilities Regulatory Authority	Arthur House, Chairman Department of Energy & Environmental Protection Public Utilities Regulatory Authority 10 Franklin Square New Britain, CT 06051
State Department of Public Health	Dr. Jewel Mullen, Commissioner Department of Public Health 410 Capitol Avenue Hartford, CT 06134
State Council on Environmental Quality	Susan D. Merrow, Chair Council on Environmental Quality 79 Elm Street Hartford, CT 06106
State Department of Agriculture	Steven K. Reviczky, Commissioner Department of Agriculture 165 Capitol Avenue Hartford, CT 06106
Office of Policy & Management	Benjamin Barnes, Secretary Office of Policy and Management 450 Capitol Avenue Hartford, CT 06106
State Department of Economic & Community Development	Catherine Smith, Commissioner Department of Economic and Community Development 505 Hudson Street Hartford, CT 06106
State Department of Transportation	James P. Redeker, Commissioner Department of Transportation 2800 Berlin Turnpike Newington, CT 06111

<i>ABUTTER PROPERTY</i>	<i>ABUTTER NAME/MAILING ADDRESS</i>
420 Main Street #422	Aleksander Vukaj 170 Jennings Road Fairfield, CT 06825
418 Main Street	Kiefer Main Incorporated 77 Grannis Rd. Orange, CT 06477
54 Kiefer Street 38 Kiefer Street 30 Kiefer Street	O'Hara's LLC 365 Cross Highway Fairfield, CT 06824
376 Main Street	E S M Holdings LLC 525 South 4th Avenue Mount Vernon, NY 10550
375 Main Street	Housing Authority of the City of Bridgeport 376 East Washington Avenue Bridgeport, CT 06608
10 Atlantic Street	Bridgeport Energy LLC c/o Capital Power Corp. 1200-10423 101St. NW 10th Floor, Epcor Tower Edmonton, AB T5H 0E9 CANADA
280 Main Street	PSEG Power Connecticut, LLC 80 Park Plaza T-9 N/A Newark, NJ 07102-4194
51 Henry Street 76 Main Street 37 Henry Street #41	60 Main Street LLC et. al 40 Danbury Road Wilton, CT 06897
3 Atlantic Street	United Illuminating Company P.O. Box 1402 New Haven, CT 06505
21 Henry Street 27 Henry Street	Michael Mauzerall 21 Henry Street Bridgeport, CT 06604

<i>ABUTTER PROPERTY</i>	<i>ABUTTER NAME/MAILING ADDRESS</i>
Bridgeport Harbor	Bridgeport Port Authority 330 Water Street Bridgeport, CT 06604

By: Scott Muska
Scott A. Muska

Exhibit 3

Letter from Mayor Bill Finch



OFFICE OF THE MAYOR
CITY OF BRIDGEPORT, CONNECTICUT
MARGARET E. MORTON GOVERNMENT CENTER
999 BROAD STREET
BRIDGEPORT, CONNECTICUT 06604
TELEPHONE (203) 576-7201
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BILL FINCH
Mayor

May 28, 2014

Robert Stein, Chairman
Connecticut Sitting Council
10 Franklin Square
New Britain, CT 06051

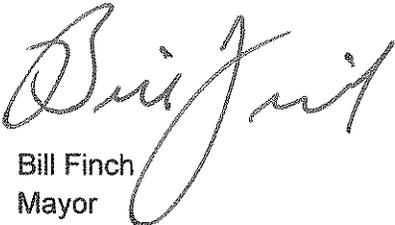
**RE: Petition of PSEG Power Connecticut LLC for a Declaratory Ruling
1 Atlantic Street, Bridgeport, Connecticut
Mercury and Air Toxic Standards Compliance**

Dear Chairman Stein:

PSEG Power Connecticut LLC ("PSEG") has informed the City of Bridgeport of its plans to install additional emissions control technology at Bridgeport Harbor Station and of its intent to file a petition for a declaratory ruling with the Connecticut Sitting Council for the installation. Specifically, the City understands that PSEG intends to install and operate a dry sorbent injection system (the "DSI Project") to comply with the Federal Mercury and Air Toxic Standards. The DSI Project is designed to reduce the amount of acid gases emitted by the facility.

Based upon our review of the proposed DSI Project, the City does not object to the DSI Project.

Sincerely,



Bill Finch
Mayor

Act 03-72 (codified at Conn. Gen. Stat. § 22a-199). The system, which was completed and operational by the July 1, 2008 regulatory deadline, uses activated carbon injection and a Pulse Jet Fabric Filter system contained in the baghouse (the “Baghouse Filter”) to reduce mercury emissions.²

EPA promulgated MATS to reduce emissions of heavy metals and acid gases from new and existing coal and oil-fired electric generating units. Generating units with a capacity of over 25-megawatts are required to comply with the reduced emission limits by April 15, 2015. Under MATS, the Facility, which is a dual-fired (low-sulfur coal and residual oil) electric generating unit, is required to achieve the reductions by meeting emission limits for “surrogate” pollutants. The surrogates for non-mercury heavy metals and acid gases are particulate matter (“PM”) and hydrogen chloride (“HCl”), respectively. For HCl, the new emission limit is 0.002 lb/MMBtu. PSEG must implement additional control technology to achieve the new HCl limit by the April 2015 MATS compliance date.

Therefore, PSEG proposes to install a dry sorbent injection system, which will remove acid gases from the boiler flue gas. The DSI Project will be installed adjacent to the existing baghouse and will include a small control building, a silo for the hydrated lime, and related piping, conduits and cable trays. The DSI Project will operate in conjunction with the existing activated carbon system and Baghouse Filter, which presently reduce mercury and PM emissions from the Facility.

Pursuant to Conn. Gen. Stat. §§ 4-176 and 16-50k(a) and Conn. Agencies Regs. § 16-50j-38 *et seq.* and for the reasons described below, PSEG respectfully requests that the Council issue a

² See Petition No. 756 - PSEG Power Connecticut LLC petition for declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for Phase 2 of Bridgeport Harbor Unit No. 3 Mercury Emissions Reduction Project, Bridgeport, Connecticut, granted March 22, 2006.

declaratory ruling that the DSI Project will not have a “substantial adverse environmental effect” in the State and that, consequently, no Certificate is required under Conn. Gen. Stat. § 16-50k(a).

II. COMMUNICATIONS

Correspondence and other communication regarding this Petition should be directed to:

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Hartford, CT 06103
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Fax: (860) 509-6501
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Thomas J. Regan
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Hartford, CT 06103
Telephone: (860) 509-6522
Fax: (860) 509-6501
Email: tregan@brownrudnick.com

III. DISCUSSION

A. Description of the DSI Project

PSEG is proposing to construct and operate a dry sorbent injection system to reduce acid gases, including HCl, in the Facility’s emissions. The DSI Project will be designed to function when the Facility is in operation. The DSI Project will remove acid gases through a two-step process. First, hydrated lime will be injected into the flue gas stream as it passes through the ductwork between the precipitator and the Baghouse Filter. The hydrated lime, which is a powdered sorbent, will react with and adsorb/neutralize HCl and other acid gases. Next, the flue gas will pass through the Baghouse Filter, which consists of approximately 9,800 filter bags, each five inches in diameter and 26 feet long. The Baghouse Filter will capture the solid particles resulting from the hydrated lime reacting with HCl and other acid gases.

The DSI Project is designed to reduce HCl emissions to levels at or below 0.00185 lb/MMBtu. Consequently, PSEG anticipates that the DSI Project will significantly reduce the

concentration of acid gas emissions and, thereby, allow the Facility to operate in compliance with the new 0.002 lb/MMBtu MATS standard for HCl.

The DSI Project will require: (i) the removal of an unused concrete-masonry-unit block structure, (ii) the installation of a pre-fabricated control building, and (iii) the installation of a lime storage silo and injection system. The structures and equipment will be located on the northeast side of the baghouse, adjacent to the activated carbon system. The site plans and elevations for the DSI Project are attached as **Exhibit 1**.

The control building will be a prefabricated building approximately 20 feet in width, 32 feet in length, and 13 feet in height. It will be positioned in the same location as an existing 320 square-foot, concrete-masonry-unit block structure that is currently unused. The existing structure will be demolished, and the demolition debris will be recycled or disposed of at a permitted off-site facility. The control building will contain the distributed control systems and redundant variable speed regenerative blowers for unloading and injecting the hydrated lime. The control building will be set on concrete piers to raise the floor of the building about six feet to an elevation of 15.5 feet NAVD88, which is above the 100-year flood hazard elevation of 14 feet NAVD88.

The hydrated lime storage silo will be a shop fabricated, dry welded tank and have an overall storage capacity of approximately 30 tons. The silo will have a height of approximately 56 feet and be supported by auger-cast concrete piles and a concrete pile cap. The external and internal surfaces will have epoxy coating. The silo will be equipped with level sensors and double mass flow discharge cones with air fluidizing pads and nozzles to promote lime flow. Similar to the control building, the silo will be set on a concrete pier with an elevation of 15.5 feet NAVD88, which is above the 100-year flood hazard elevation of 14 feet NAVD88.

The size and dimensions of the structures are summarized as follows:

<u>Structure</u>	<u>Approximate Footprint (sq. ft.)</u>	<u>Approximate Height (ft.)</u>
Control building	640 (32' x 20')	19
Hydrated Lime Silo	250 (14' ϕ)	56

The hydrated lime will be injected into the boiler flue gas stream using a pneumatic conveying system with two redundant Victaulic-coupled steel piping feed lines. Rotary valves and volumetric feeders, located beneath the silo, will discharge the hydrated lime from the silo into the conveying lines. Dry pressurized air from the variable speed regenerative blowers will pass through a Venturi Eductor, suctioning the lime from the volumetric feeders and carrying it to the distribution manifold. The distribution manifold will split the conveying air and lime mixture equally into multiple injection lances, which will introduce the hydrated lime into the flue gas ductwork downstream of the precipitator.

The lime injection system is designed for a maximum injection rate of approximately 325 lbs of hydrated lime per hour, but the anticipated operational rate is 122 lbs per hour. As discussed above, the hydrated lime will be recaptured by the Baghouse Filter after it has reacted with the acid gases. Hydrated lime will be delivered in 22 ton batches by self-unloading pneumatic bulk tanker trucks.

The control building will be powered by new electric feeds from the existing Power Distribution Center located on the southwest side of the baghouse. PSEG estimates that the DSI Project will consume approximately 89 kW/hr of station power and, therefore, will have minimal impact on the output of the Facility.

Construction of the DSI Project will take approximately six months. To achieve the April 2015 compliance date, PSEG plans on commencing the civil site work in the summer of 2014, completing the mechanical and electrical portions of the project in the fall, and installing the silo and other equipment by the end of 2014. PSEG intends to test and calibrate the system in early 2015 and to be fully operational by March 2015. PSEG has selected WorleyParsons Ltd. as the design and engineering firm. The DSI Project will be constructed in compliance with the applicable Connecticut State Building Code, and PSEG will apply to the City of Bridgeport (“City”) for demolition and building permits.

Following the mobilization period, the anticipated construction sequence, in general, is as follows:

- Installation of erosion control measures;
- Excavation for foundations;
- Installation of auger-cast concrete pilings;
- Form and pour foundations;
- Backfill of foundations;
- Installation of above ground lime conveying piping;
- Installation of above ground cable tray and conduit;
- Delivery and setting of control building and silo on their respective foundations;
- Installation of electrical cables and conductors;
- Electrical and mechanical tie-in;
- Site restoration; and
- Testing and start up.

In addition to filing this Petition, PSEG will obtain all other necessary local, state, and federal permits, approvals or exemptions.

PSEG's environmental consultant, Weston Solutions, Inc., has reviewed the DSI Project and determined that the improvements will be outside any identified potential release areas of the Facility. Weston Solutions, Inc. has completed soil sampling and determined that disturbed soils can be reused on the site. With the exception of the auger-cast piles for the control building and silo foundations, PSEG does not anticipate performing any construction activities below groundwater. Any soil or groundwater disturbed during construction activities will be managed in accordance with DEEP regulations.

B. The DSI Project will not have a Substantial Adverse Environmental Effect in the State

The DSI Project is limited in scope and involves only a minor modification of an existing Facility; therefore, as demonstrated below, the construction and operation of the DSI Project will not result in any substantial adverse environmental effects in the State of Connecticut.

1. The Construction of the DSI Project will not have a Substantial Adverse Environmental Effect in the State

Solid and Hazardous Waste Management

Environmental professionals retained by PSEG confirmed that the existing block structure does not contain asbestos materials. Given the relatively small size of the block structure, an excavator with a grapple attachment will be used to demolish the structure and segregate the materials. The demolition debris will be removed by the demolition contractor and recycled or disposed of in accordance with applicable laws and regulations. Soil generated from the foundation excavation for the control building and silo will be reused on-site. PSEG will require its contractors to obtain PSEG's approval of all disposal facilities prior to off-site shipment of

debris. As a result, the management of construction waste will not generate any adverse environmental effects.

Dust

Construction of the DSI Project will not generate significant dust. The area of disturbance will be limited, and the small amount of dust generated will be controlled by wetting the construction area as appropriate and by sweeping.

Traffic

The DSI Project will result in a minimal temporary increase in traffic during construction. Several truck trips will be required to deliver the prefabricated control building, silo, and associated piping. Additional truck trips will be required to remove demolition debris. At its peak, the construction process will employ approximately forty-five workers. The Facility's Kiefer Street Gate will be opened and utilized for contractor parking and for pedestrian entrance to the Facility. All material deliveries will enter through the Facility's Atlantic Street or Henry Street gates. This is the current practice used by the Facility to keep construction traffic away from the more residential areas leading to the Facility.

Sound

DSI Project construction will comply with DEEP and City sound regulations. In order to mitigate any potential impact on nearby residents, any major sound-generating construction activity will be performed Monday-Friday from 7:00 a.m. to 6:00 p.m. and from 9:00 a.m. to 6:00 p.m. on weekends. Work that does not generate significant additional sound may be performed during other periods of time.

Air and Water Discharges

DSI Project construction will not result in any air emissions, except for construction vehicle emissions and a minimal amount of dust during demolition activities.

Additionally, DSI Project construction is not expected to involve any water usage or discharges. A storm water discharge permit from DEEP for construction activities will not be required because the proposed activities will be limited to less than one acre of disturbance. Erosion and sedimentation control measures will be used to minimize any erosion or sedimentation in the work area during construction. The control measures will be inspected on a daily basis, and cleaned and repaired as necessary. See Erosion and Sedimentation Control Plan in **Exhibit 1**.

Further, PSEG does not anticipate encountering groundwater during its construction activities. However, if groundwater is encountered, PSEG's contractor will obtain appropriate authorizations from DEEP to dewater excavations and discharge the groundwater as needed.

Effect on Sensitive Receptors

The DSI Project will be located in a currently developed area of the Facility. As a result, there will be no impact on wildlife (including threatened and endangered species), vegetation, wetlands, watercourses, historical, architectural, cultural, or recreational resources.

Local Review

PSEG will apply to the City for a coastal site plan review and for building and demolition permits. PSEG has been in contact with Bridgeport Mayor Bill Finch's office regarding the DSI Project, and the City supports the DSI Project. See letter from Mayor Finch attached as **Exhibit 3**.

B. The Operation of the DSI Project will not have a Substantial Adverse Environmental Effect in the State

Air Emissions

Operation of the DSI System is expected to substantially reduce HCl and other acid gas emissions from the Facility. The DSI Project will not produce hydrated lime dust emissions. The system is fully enclosed, and the hydrated lime will not generally be exposed to the atmosphere. The silo will be equipped with a pulse-jet type bin vent filter to contain ambient dust during the loading process.

In addition to filing this Petition, PSEG will request from DEEP modifications of the Facility's new source review permit to construct and operate and its Title V operating permit. The requested modifications will incorporate the DSI Project and MATS emissions limits for HCl.

Solid Waste

As noted above, the Baghouse Filter will capture the hydrated lime particles after they have adsorbed acid gases. The additional particulates captured due to the dry sorbent injection will become part of the Facility's fly ash and will result in an increase in the volume of ash to be removed by less than 1.5% percent.

PSEG does not expect any material difference in the characteristics of the ash or in the requirements for handling or disposal of this ash. However, PSEG will test the ash periodically and will handle and dispose of the ash as required by applicable laws and regulations.

Water Use and Discharge

The operation of the DSI Project will not require the use of additional water or any new water discharges.

Sound

The sound generated by the operation of the blowers inside the proposed control building is not anticipated to be substantial. The DSI Project will be designed to comply with Occupational Safety and Health Administration (“OSHA”) work environment sound exposure requirements and with DEEP and City sound regulations. If applicable sound regulations are not satisfied, PSEG will take appropriate steps to reduce sound levels and meet the applicable regulations.

Visual and Aesthetic Effects

The DSI Project will have a minimal visual and aesthetic effect. The control building is relatively small and is less than 19 feet in total height. The silo is approximately 56 feet in height. These structures will include architectural treatments and colors compatible with the existing structures on the Facility site.

Importantly, the DSI Project will generally not be visible outside of the site. The control building and silo will be tucked between the existing baghouse and boiler, both of which exceed 90 feet in height. Further, the area is directly beneath a segment of the coal conveyor system. Consequently, the visual impact will be minimal.

Electric and Magnetic Fields

The DSI Project will include the installation of blowers and related electronic equipment, requiring the addition of breakers, distribution equipment, and power cables. All of this equipment will emit low-level electric and magnetic fields (“EMF”) that are typical within an industrial facility. The equipment will be designed to comply with OSHA standards and accepted design practices. The low-level of EMF added by the DSI Project will be consistent with the existing low-level fields at the Facility.

Storm Water

The DSI Project will result in a net increase of impervious area of about 1,650 square-feet. The area is presently surfaced with gravel and contains a 320 square-foot block structure. As a result, storm water permeation and runoff are not expected to materially change. However, the DSI Project structures will be added to the Facility's existing Storm Water Pollution Prevention Plan required under its DEEP Storm Water General Permit.

Traffic

The operation of the DSI Project is not anticipated to increase the number of vehicles trips to or from the Facility. PSEG anticipates that hydrated lime will be delivered by truck to the Facility approximately once every nine days

IV. NOTICE

PSEG has provided notice of this Petition to all persons and appropriate municipal officials and governmental agencies to whom notice is required to be given pursuant to Conn. Agencies Regs. § 16-50j-40(a).³ A copy of the notice letter and a service list is attached as **Exhibit 2**.

V. BASIS FOR GRANTING THE PETITION

Conn. Gen. Stat. § 16-50k(a) requires a Certificate from the Council for “any modification of a facility, that may, as determined by the council, have a substantial adverse environmental effect in the state” Here, the proposed DSI Project involves the installation of a small control building, silo, and associated piping and will be confined to a fully developed area of the site. The

³ Conn. Agencies Regs. § 16-50j-40(a) requires that “[p]rior to submitting a petition for a declaratory ruling to the Council, the petitioner shall, where applicable, provide notice to each person . . . appearing of record as an owner of property which abuts . . . the proposed facility, each person appearing of record as an owner of the property or properties on which . . . proposed facility is to be located, and the appropriate municipal officials and government agencies [listed in Section 16-50l of the Connecticut General Statutes].”

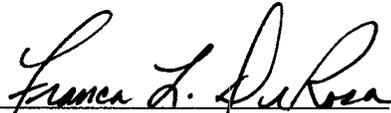
DSI Project will marginally increase the amount of fly ash generated but will substantially reduce the amount of acid gases emitted from the Facility. Further, the DSI Project will not substantially affect storm water, vegetation, wetlands, water courses, historical, architectural, cultural or recreational resources, or threatened or endangered species at the Facility. Finally, the DSI Project is necessary for PSEG to comply with the new federal standards for acid gas emissions under MATS. Consequently, PSEG respectfully submits that the construction and operation of the DSI Project will not “have a substantial adverse environmental effect in the state.”

VI. CONCLUSION

For the reasons stated above, PSEG respectfully requests that the Council grant this Petition and issue a declaratory ruling that the DSI Project will not have a “significant adverse environmental effect” in the State and that a Certificate is not required.

Respectfully Submitted,

PSEG Power Connecticut LLC

By: 

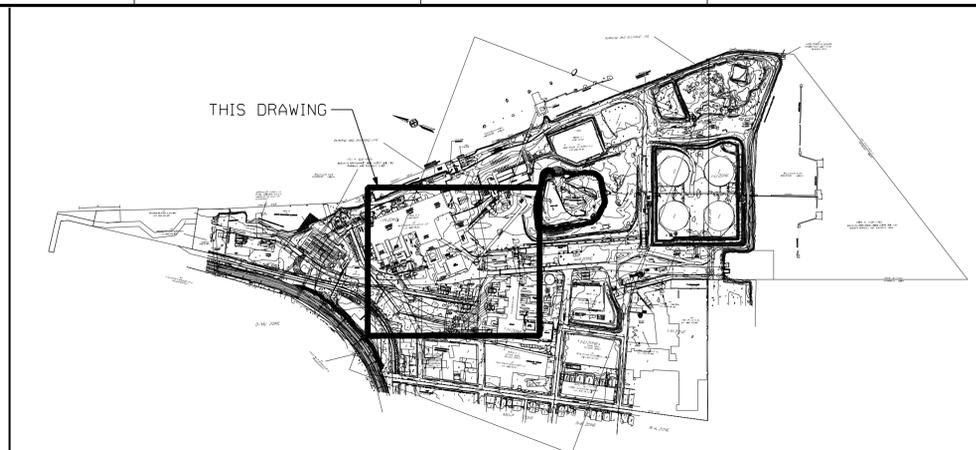
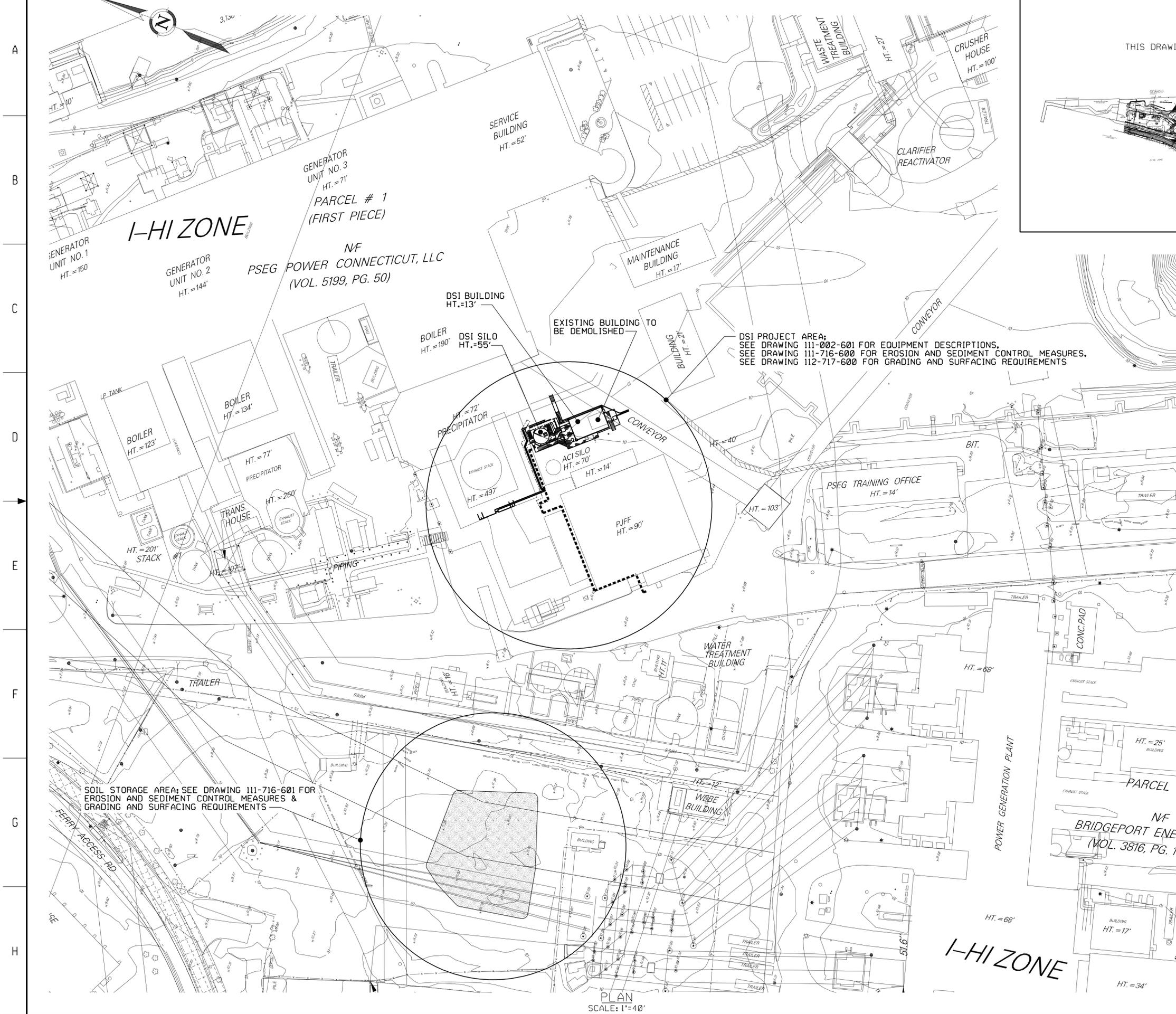
Franca L. DeRosa
Thomas J. Regan
Brown Rudnick LLP
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185 Asylum Street
Hartford, CT 06103
(860) 509-6500
Fax: (860) 509-6501
fderosa@brownrudnick.com
tregan@brownrudnick.com
Its Attorneys

List of Exhibits

1. Site Plans and Elevations
2. Notice Letter and Service List
3. Letter from Mayor Bill Finch

Exhibit 1

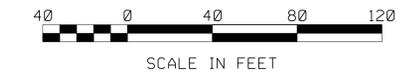
Site Plans and Elevations



KEY PLAN
SCALE: 1"=500'

NOTES:
1. BACKGROUND SHOWN OBTAINED VIA CADD FILE PROVIDED BY PSEG; REFERENCE DESIGN PROFESSIONALS TOPOGRAPHIC SURVEY, DRAWINGS VT-1 THRU VT-5 AND ALTA/ACSM LAND TITLE SURVEY, DRAWINGS VS-1 THRU VS-6 FOR ADDITIONAL INFORMATION.

- REFERENCES:
- BPHR-3-DW-111-002-601 DSI GENERAL ARRANGEMENT PLAN VIEW
 - BPHR-3-DW-111-716-600 EROSION AND SEDIMENT CONTROL PLAN
 - BPHR-3-DW-111-716-601 SOIL STORAGE AREA PLAN AND SECTION
 - BPHR-3-DW-112-717-600 GRADING AND SURFACING PLAN



REV	DATE	DESCRIPTION	DRAWN	CHECKED	LEAD ENGINEER	TECH. SPEC. ENGINEER	PROJ. ENGR. MANAGER
C	05/21/14	ISSUED FOR PERMITTING	JGM	RES	KJF	SMG	JCK/FD
B	05/21/14	ISSUED FOR REVIEW	JGM	RES	KJF	SMG	JCK/FD
A	05/14/14	ISSUED FOR REVIEW	KJF	RES	KJF	SMG	JCK/FD

PRELIMINARY STATUS: INFORMATION ONLY - NOT TO BE USED FOR CONSTRUCTION.
DATE: 05/21/14
APPROVED STATUS: REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.
DATE: / /

ORIGINATING PERSONNEL: PROFESSIONAL ENGINEER'S SEAL

DRAWN BY: KJF
CHECKED BY: KJ FRITZ
LEAD DESIGNER: KJ FRITZ
ENGINEER/TECH. SPECIALIST: SM GRAHL
PROJECT ENGINEERING MANAGER: F DRZAL

Drawn by: OneWay
Copyright © 2010
WorleyParsons Services Pty Ltd

WorleyParsons
resources & energy

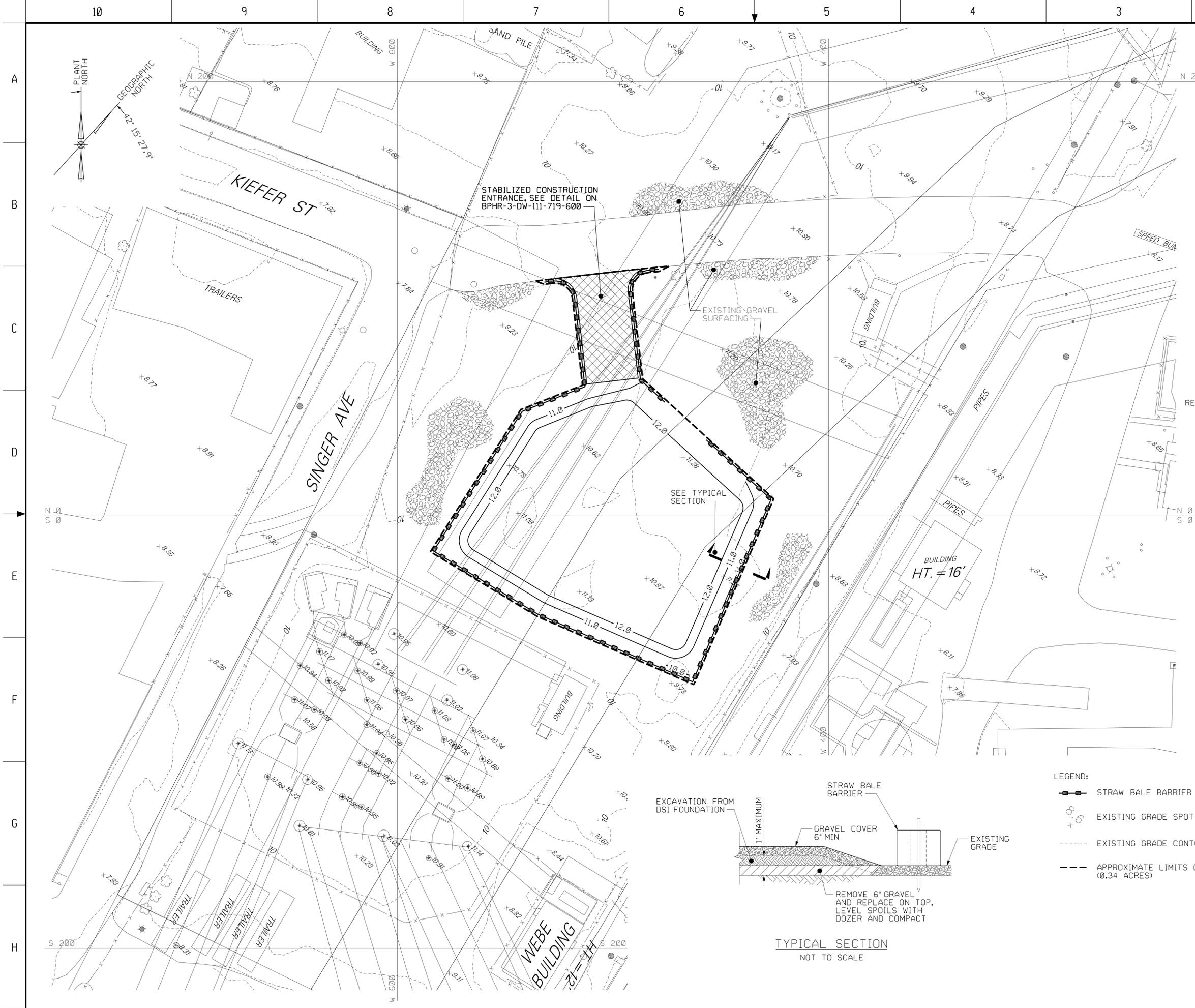
PSEG
Power Connecticut LLC
BRIDGEPORT HARBOR STATION

UNIT 3 DRY SORBENT INJECTION PROJECT
SITE PLAN
SCALE: 1"=40' DRAWING SIZE: ARCH D (36" x 24")
WORLEYPARSONS' DWG. NO.: BPHR-3-DW-024-735-600 REV: C

SOIL STORAGE AREA; SEE DRAWING 111-716-601 FOR EROSION AND SEDIMENT CONTROL MEASURES & GRADING AND SURFACING REQUIREMENTS

DSI PROJECT AREA; SEE DRAWING 111-002-601 FOR EQUIPMENT DESCRIPTIONS, SEE DRAWING 111-716-600 FOR EROSION AND SEDIMENT CONTROL MEASURES, SEE DRAWING 112-717-600 FOR GRADING AND SURFACING REQUIREMENTS

PLAN
SCALE: 1"=40'



- NOTES:
- GRID SYSTEM SHOWN IS BASED ON "SURVEYORS SITE MONUMENTS, BRIDGEPORT HARBOR STATION, BRIDGEPORT, CT." DRAWING NUMBER 056652 410-069.
 - ELEVATIONS SHOWN ARE BASED ON NAVD88. THE VERTICAL RELATIONSHIP BETWEEN NAVD88 AND THE BRIDGEPORT HARBOR VERTICAL GRID IS: 10.37 FEET (NAVD88) = 0.00 FEET BPHR VERTICAL DATUM.
 - FOLLOW CONSTRUCTION SEQUENCE AS SHOWN ON DRAWING BPHR-3-DW-111-719-600.
 - THE SITE IS COVERED BY URBAN LAND AND THE UORTHENTS-URBAN LAND COMPLEX SOILS. DUE TO ITS MAN-MADE NATURE, THE PROPERTIES OF THE URBAN LAND SOILS ARE NOT IDENTIFIED. THE UORTHENTS PORTION IS COMPOSED OF DEEP, WELL DRAINED, LOAM, GRAVELLY LOAM, AND GRAVELLY SANDY LOAM DERIVED FROM DRIFT MATERIALS.
 - PLACE FILL IN MAXIMUM 9-INCH LOOSE LIFTS AND COMPACT TO MINIMUM DENSITY OF 90 PERCENT OF THE MAXIMUM DRY DENSITY, AS DETERMINED BY MODIFIED PROCTOR TEST (ASTM D 1557) OR 93 PERCENT OF THE MAXIMUM DRY DENSITY, AS DETERMINED BY STANDARD PROCTOR TEST (ASTM D 698). MAINTAIN MOISTURE CONTENT AT TIME OF COMPACTION WITHIN + OR - 3% FROM THE OPTIMUM MOISTURE CONTENT.
 - ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
 - AFTER CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED REMOVE ALL EROSION AND SEDIMENT CONTROL MEASURES.
 - EXCAVATED SOIL FROM DSI PROJECT FOR STORAGE AREA SHOWN ON THIS DWG APPROXIMATELY 350 CY.

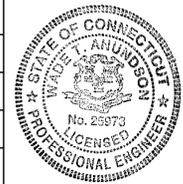
REFERENCES:

BPHR-3-DW-111-719-600 EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

BPHR-3-DW-024-735-600 SITE PLAN

SCALE IN FEET

C	05/27/14	ISSUED FOR PERMITTING	JGM	RES	KJF	SMG	JCK	FD	
B	05/22/14	ISSUED FOR REVIEW	JGM	RES	KJF	SMG	JCK	FD	
A	05/14/14	ISSUED FOR REVIEW	KJF	RES	KJF	SMG	JCK	FD	
REV	DATE	DESCRIPTION	DRAWN	CHECKED	LEAD ENGINEER	TECH. SPEC. ENGINEER	PROJECT ENGINEER	PROJ. ENGR. MANAGER	
PRELIMINARY STATUS		DATE	INFORMATION ONLY - NOT TO BE USED FOR CONSTRUCTION.						
LDE	JC KAPLAN	05/21/14							
APPROVED STATUS		DATE	REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.						
LDE									
DRAWN BY			PROFESSIONAL ENGINEER'S SEAL						
KJF									
CHECKED BY									
LEAD DESIGNER									
KJ FRITZ									
ENGINEER/TECH SPECIALIST									
SM GRAHL									
PROJECT ENGINEERING MANAGER									
F DRZAL									



OneWay
to zero harm

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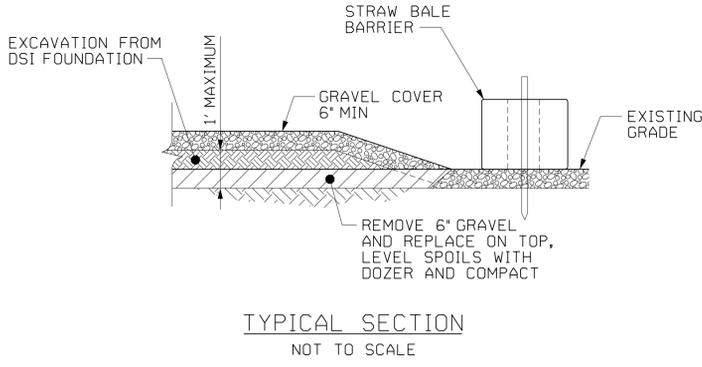
WorleyParsons
resources & energy

PSEG
Power Connecticut LLC
BRIDGEPORT HARBOR STATION

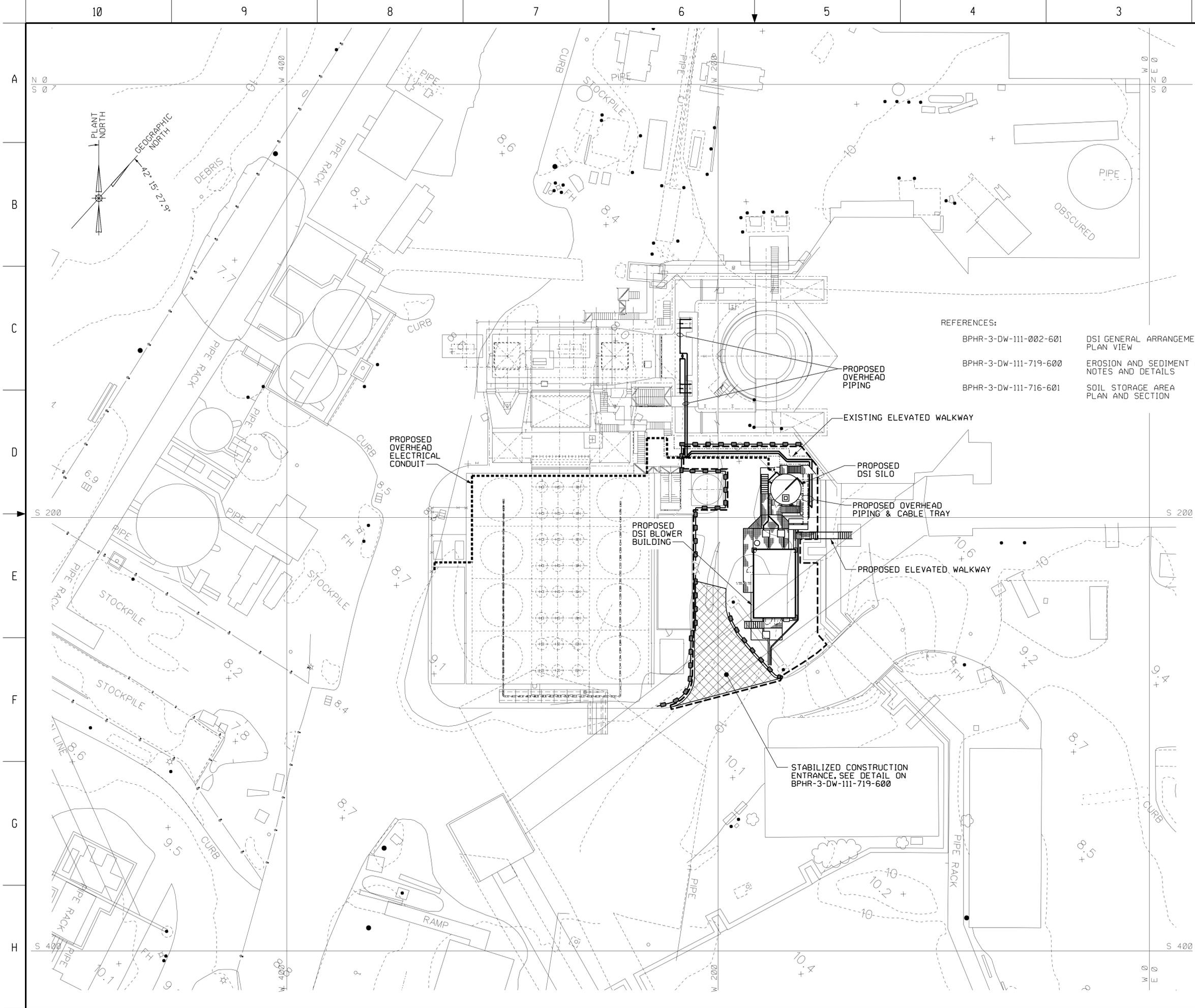
UNIT 3 DRY SORBENT INJECTION PROJECT
SOIL STORAGE AREA
PLAN AND SECTION

SCALE: 1"=20'
DRAWING SIZE: ARCH D (36" x 24")
WORLEYPARSONS DWG. NO.: BPHR-3-DW-111-716-600
REV: C

- LEGEND:
- STRAW BALE BARRIER
 - +0.00 EXISTING GRADE SPOT ELEVATION
 - - - EXISTING GRADE CONTOUR
 - - - APPROXIMATE LIMITS OF DISTURBANCE (0.34 ACRES)



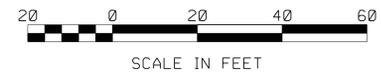
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5/27/2014 10:45:56 AM



- NOTES:
- GRID SYSTEM SHOWN IS BASED ON "SURVEYORS SITE MONUMENTS, BRIDGEPORT HARBOR STATION, BRIDGEPORT, CT." DRAWING NUMBER 056652 410-069.
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 - SOILS EXCAVATED FOR CONSTRUCTION SHALL BE PLACED ON THE HIGH SIDE OF THE EXCAVATION. EXCESS SPOILS SHALL BE PLACED IN SOIL STORAGE AREA, SEE DRAWING BPHR-3-DW-111-716-601.
 - THE SITE IS COVERED BY URBAN LAND AND THE UDORTHENTS-URBAN LAND COMPLEX SOILS. DUE TO ITS MAN-MADE NATURE, THE PROPERTIES OF THE URBAN LAND SOILS ARE NOT IDENTIFIED. THE UDORTHENTS PORTION IS COMPOSED OF DEEP, WELL DRAINED, LOAM, GRAVELLY LOAM, AND GRAVELLY SANDY LOAM DERIVED FROM DRIFT MATERIALS.
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 - AFTER CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED REMOVE ALL EROSION AND SEDIMENT CONTROL MEASURES.

- REFERENCES:
- BPHR-3-DW-111-002-601 DSJ GENERAL ARRANGEMENT PLAN VIEW
 - BPHR-3-DW-111-719-600 EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
 - BPHR-3-DW-111-716-601 SOIL STORAGE AREA PLAN AND SECTION

- LEGEND:
- STRAW BALE BARRIER
 - EXISTING GRADE SPOT ELEVATION
 - EXISTING GRADE CONTOUR
 - APPROXIMATE LIMITS OF DISTURBANCE (0.15 ACRES)



REV	DATE	DESCRIPTION	DRAWN	CHECKED	REVIEWED	LEAD ENGINEER	TECH. SPEC. ENGINEER	PROJ. ENGR. MANAGER
C	05/27/14	ISSUED FOR PERMITTING	JGM	RES.KJF	SMG	JCK	FD	
B	05/14/14	ISSUED FOR REVIEW	KJF	RES.KJF	SMG	JCK	FD	
A	05/14/14	ISSUED FOR REVIEW	KJF	RES.KJF	SMG	JCK	FD	

PRELIMINARY STATUS: INFORMATION ONLY - NOT TO BE USED FOR CONSTRUCTION.
 DATE: 04/21/14
 APPROVED STATUS: REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.
 DATE: / /

ORIGINATING PERSONNEL	PROFESSIONAL ENGINEER'S SEAL
DRAWN BY: KJF	
CHECKED BY:	
LEAD DESIGNER: KJ FRITZ	
ENGINEER/TECH. SPECIALIST: SM GRAHL	
PROJECT ENGINEERING MANAGER: F DRZAL	

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WorleyParsons
 resources & energy

PSEG
 Power Connecticut LLC
 BRIDGEPORT HARBOR STATION

UNIT 3 DRY SORBENT INJECTION PROJECT
 EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"=20'
 DRAWING SIZE: ARCH D (36' x 24')

WORLDWIDE DESIGN, INC. NO. REV
BPHR-3-DW-111-716-600 C

BPHR-3-dw-111-716-600.dgn
 5/27/2014 10:06:06 AM

- NOTES:
- GRID SYSTEM SHOWN IS BASED ON "SURVEYORS SITE MONUMENTS, BRIDGEPORT HARBOR STATION, BRIDGEPORT, CT." DRAWING NUMBER 056652 410-069.
 - ELEVATIONS SHOWN ARE BASED ON NAVD88. THE VERTICAL RELATIONSHIP BETWEEN NAVD88 AND THE BRIDGEPORT HARBOR VERTICAL GRID IS: 10.37 FEET (NAVD88) = 0.00 FEET BPHR VERTICAL DATUM.
 - FOLLOWING COMPLETION OF CONSTRUCTION, AREA SHALL BE RESTORED TO EXISTING SURFACE GRADE, MATERIAL TYPE, AND THICKNESS. MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDINGS AND FOUNDATIONS.

- LEGEND:
- + ○ EXISTING GRADE SPOT ELEVATION
 - EXISTING GRADE CONTOUR

REFERENCES:

- BPHR-3-DW-111-716-600 EROSION AND SEDIMENT CONTROL PLAN
- BPHR-3-DW-111-002-601 DSI GENERAL ARRANGEMENT PLAN VIEW

SCALE IN FEET

REV	DATE	DESCRIPTION	DRAWN	CHECKED	LEAD ENGINEER	TECH. SPEC. ENGINEER	PROJ. ENGR. MANAGER
C	05/27/14	ISSUED FOR PERMITTING	JGM	RESKJF	SMG	JCK	FD
B	05/21/14	ISSUED FOR REVIEW	JGM	RESKJF	SMG	JCK	FD
A	05/14/14	ISSUED FOR REVIEW	GJU	RESKJF	SMG	JCK	FD

PRELIMINARY STATUS: INFORMATION ONLY - NOT TO BE USED FOR CONSTRUCTION.
 DATE: 04/21/14
 APPROVED STATUS: REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.
 DATE: / /

ORIGINATING PERSONNEL: PROFESSIONAL ENGINEER'S SEAL

DRAWN BY: GJU
 CHECKED BY:
 LEAD DESIGNER: KJ FRITZ
 ENGINEER/TECH SPECIALIST: SM GRAHL
 PROJECT ENGINEERING MANAGER: F DRZAL

OneWay
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 WorleyParsons Services Pty Ltd

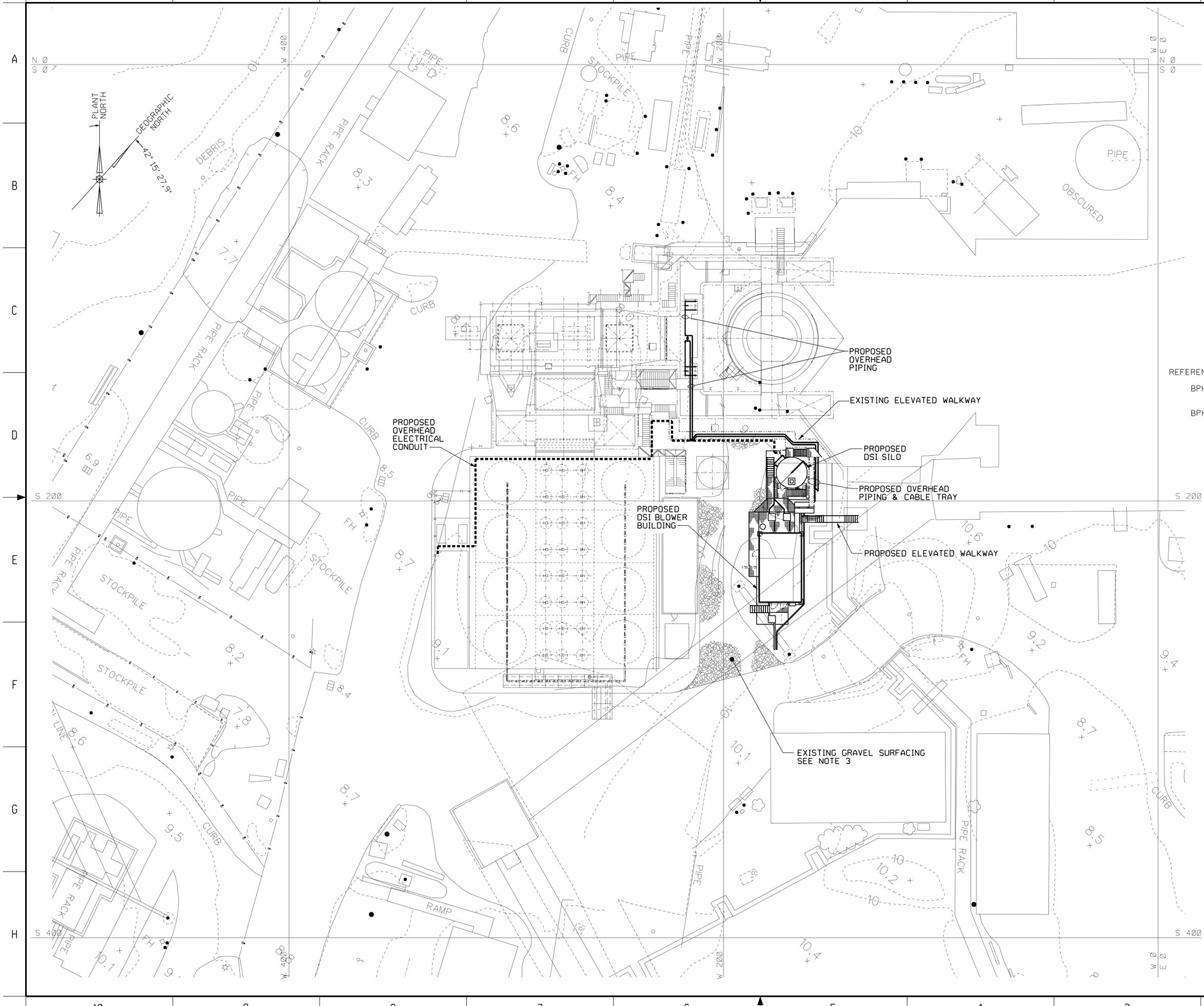
WorleyParsons
 resources & energy

PSEG
 Power Connecticut LLC
 BRIDGEPORT HARBOR STATION

UNIT 3 DRY SORBENT INJECTION PROJECT
 GRADING AND SURFACING
 PLAN

SCALE: 1"=20'
 DRAWING SIZE: ARCH D (36' x 24')

WORLDWIDE DWG. NO.: BPHR-3-DW-112-717-600
 REV: C



BPHR-3-dw-112-717-600.dgn
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GENERAL NOTES:

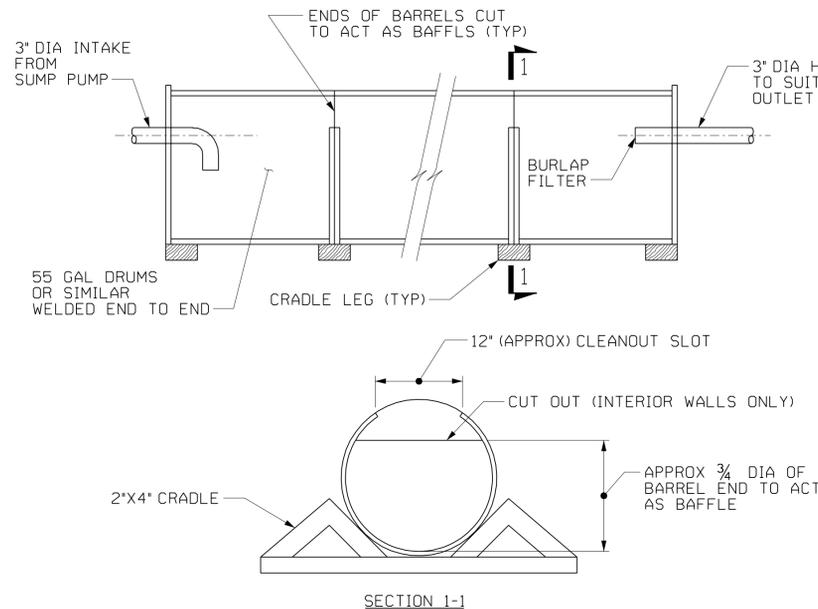
1. THE CONSTRUCTION START DATE IS APPROXIMATELY SEPTEMBER 2014 AND COMPLETION DATE IS APPROXIMATELY JANUARY 2015.
2. THE RESPONSIBLE INDIVIDUAL FOR MONITORING EROSION CONTROL AND DUST CONTROL MEASURES IS THE CONSTRUCTION MANAGER. THE CONTACT INFORMATION SHALL BE PROVIDED AT A LATER DATE WHEN CONFIRMED.
3. SITE DEVELOPMENT SHALL NOT BEGIN UNLESS THE SOIL EROSION AND SEDIMENT CONTROL (SESC) PLAN IS APPROVED AND THOSE CONTROL MEASURES AND FACILITIES IN THE SESC PLAN SCHEDULED FOR INSTALLATION PRIOR TO SITE DEVELOPMENT ARE INSTALLED AND FUNCTIONAL.
4. THE CONTROL OF DUST WITHIN THE PROJECT LIMITS AND ACCESS LOCATIONS SHALL CONSIST OF MECHANICAL SWEEPING ON PAVED AREAS WHERE DUST AND FINE MATERIALS ACCUMULATE AND PERIODICALLY MOISTENING EXPOSED SOIL SURFACES IN UNPAVED AREAS TO KEEP TRAVEL WAYS DAMP. THE CONSTRUCTION MANAGER SHALL MONITOR DUST/PARTICULATE ACCUMULATION AND REQUIRE THE CONTRACTOR TO APPLY DUST CONTROL MEASURES WHEN FUGITIVE DUST BECOMES EVIDENT.
5. SITE INSPECTIONS MAY BE MADE BY THE CITY OF BRIDGEPORT HARBOR, OR ITS DESIGNATED AGENT (COMMISSION), DURING DEVELOPMENT TO ENSURE COMPLIANCE WITH THE APPROVED SESC PLAN. A SITE INSPECTOR SHALL DETERMINE THAT CONTROL MEASURES AND FACILITIES ARE PROPERLY PERFORMED OR INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. THE APPLICANT, OR AN AGENT THEREOF, SHALL HAVE THE APPROVED SESC PLAN DOCUMENT READILY AVAILABLE AT THE JOB SITE AND SHALL MAKE THE DOCUMENT AVAILABLE FOR INSPECTION UPON REQUEST.
6. WRITTEN STAFF REPORTS OF INSPECTIONS SHALL BE SUBMITTED TO THE CITY WITHIN FIVE (5) WORKING DAYS OF SUCH INSPECTION.
7. THE CITY MAY REQUIRE THE APPLICANT, OR AN AGENT THEREOF, TO VERIFY THROUGH PROGRESS REPORTS THAT SOIL EROSION AND SEDIMENT CONTROL AND DUST CONTROL MEASURES AND FACILITIES HAVE BEEN PERFORMED OR INSTALLED ACCORDING TO THE APPROVED SESC PLAN AND ARE BEING OPERATED AND MAINTAINED PROPERLY.
8. IF, UPON INSPECTION OF THE SITE, THE SITE INSPECTOR DETERMINES THAT THE CONTROL MEASURES IN PLACE ARE NOT ADEQUATE TO CONTROL EROSION OR DUST, ADDITIONAL MEASURES MAY BE REQUIRED TO BE INSTALLED WITHIN A REASONABLE TIME LIMIT AS DETERMINED BY THE INSPECTOR. ANY SUCH REQUEST FOR ADDITIONAL CONTROL MEASURES SHALL BE MADE IN WRITING AND SHALL BE BROUGHT TO THE ATTENTION OF THE CITY WITHIN FIVE (5) WORKING DAYS OF THE INSPECTION.
9. AT LEAST 7 DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, THE OWNER, AND THE EROSION AND SEDIMENT CONTROL PLAN PREPARER TO AN ON-SITE PRE-CONSTRUCTION MEETING.
10. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE CONTRACTOR/OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
11. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE TO A PORTABLE SEDIMENT TANK. DISPOSE OF SEDIMENT AND WATER PER OWNER'S DIRECTION.
12. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT CONTROL BMPs AND DUST CONTROL MEASURES MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROL BMPs AFTER EACH RUNOFF EVENT AS REQUIRED. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING MECHANICAL SWEEPING CLEANOUT, REPAIR, REPLACEMENT, RE-GRADING, SOIL MOISTENING, RE-SEEDING, RE-MULCHING AND RE-NETTING MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
13. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING CONSTRUCTION SEQUENCE. THE CONTRACTOR SHALL REVIEW THE SEQUENCE AND MAKE MODIFICATIONS, IF REQUIRED, WITH APPROVAL FROM THE EROSION AND SEDIMENT CONTROL PLAN PREPARER, ENGINEER, AND OWNER.

CONSTRUCTION SEQUENCE: DSI AREA DRAWINGS BPHR-3-DW-111-716-600 & 112-717-600

1. PLACE STRAW BALE BARRIERS AS SHOWN ON THE PLAN DRAWING.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE AT LOCATION INDICATED ON THE PLAN DRAWING.
3. INSTALL FOUNDATIONS AND SLABS FOR BUILDINGS AND EQUIPMENT. USE PORTABLE SEDIMENT TANKS FOR DEWATERING.
4. CONSTRUCT THE STRUCTURES AND BUILDINGS AS SHOWN ON THE DRAWINGS.
5. AFTER THE COMPLETION OF CONSTRUCTION, ALL SURFACES SHALL BE RESTORED TO ORIGINAL CONDITIONS.
6. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, ALL REMAINING TEMPORARY EROSION AND SEDIMENT POLLUTION CONTROL FACILITIES SHALL BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE CONTROLS SHALL BE STABILIZED IMMEDIATELY.
7. SHOULD ANY MEASURES CONTAINED WITHIN THIS PLAN PROVE INCAPABLE OF ADEQUATELY REMOVING SEDIMENT FROM ON-SITE FLOWS PRIOR TO DISCHARGE, INCAPABLE OF CONTROLLING FUGITIVE DUST, OR INCAPABLE OF STABILIZING THE SURFACES INVOLVED, ADDITIONAL MEASURES SHALL BE IMMEDIATELY IMPLEMENTED BY THE CONTRACTOR TO ELIMINATE ALL SUCH PROBLEMS.

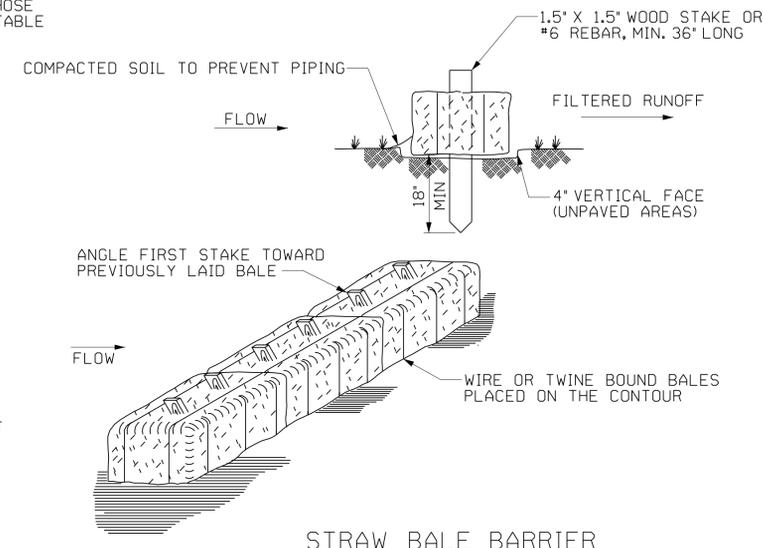
CONSTRUCTION SEQUENCE: SOIL STORAGE AREA DRAWING BPHR-3-DW-111-716-601

1. PLACE STRAW BALE BARRIERS AS SHOWN ON PLAN DRAWING.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE AS SHOWN ON PLAN DRAWING.
3. SCARIFY GRAVEL FROM LIMIT OF DISTURBANCE AND STORE ONSITE AS DIRECTED BY OWNER.
4. SPREAD AND COMPACT SPOILS WITHIN LIMITS OF DISTURBANCE.
5. AFTER COMPACTION, COVER SPOILS WITH 6" GRAVEL COVER AS SHOWN ON SECTION.
6. AFTER COMPLETION OF CONSTRUCTION, ALL REMAINING SURFACES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.



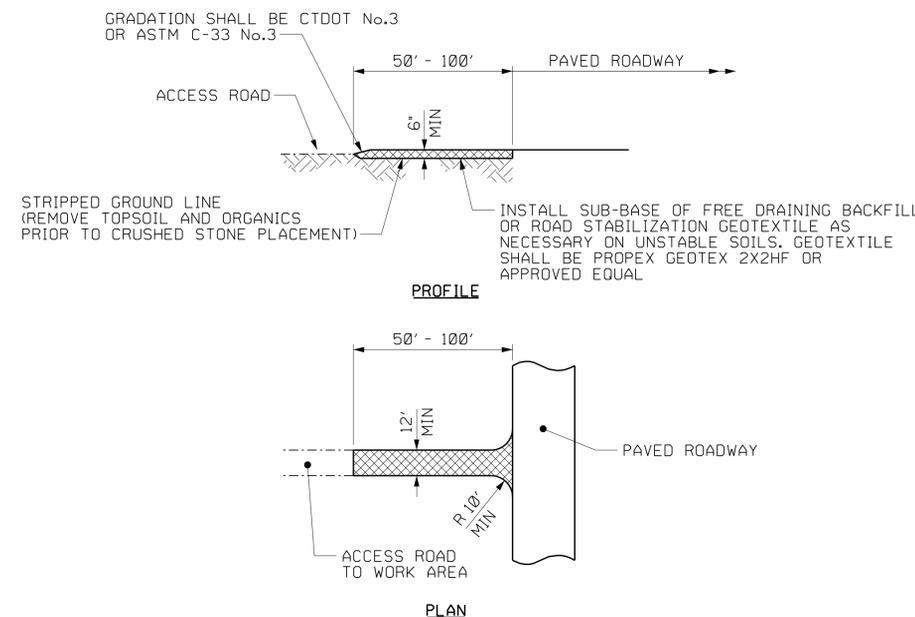
1. CLEAN OUT THE SEDIMENT TANK WHEN ONE THIRD (1/3) FILLED WITH SILT.
2. STEEL DRUMS ARE USED AS AN EXAMPLE DUE TO THEIR READY AVAILABILITY ANY TANKS MAY BE USED PROVIDING THAT THE VOLUME REQUIREMENTS ARE MET.
3. ALL SEDIMENT COLLECTED IN THE TANK SHALL BE DISPOSED OF IN A SEDIMENT TRAPPING DEVICE OR AS APPROVED BY THE INSPECTOR.

PORTABLE SEDIMENT TANK DETAIL
NOT TO SCALE



REFERENCES:

BPHR-3-DW-024-735-600	SITE PLAN
BPHR-3-DW-111-716-600	EROSION AND SEDIMENT CONTROL PLAN
BPHR-3-DW-111-716-600	SOIL STORAGE AREA PLAN AND SECTION
BPHR-3-DW-112-717-600	GRADING AND SURFACING PLAN



- NOTES:**
1. STABILIZED CONSTRUCTION ENTRANCE INSTALLATION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
 2. MAINTAIN THE SPECIFIED THICKNESS OF ALL STABILIZED CONSTRUCTION ENTRANCES BY ADDITION OF CRUSHED STONE.
 3. IF THE ENTRANCE IS UNABLE TO PREVENT THE MAJORITY OF SEDIMENTS FROM BEING TRACKED OFF SITE, THE ENTRANCE MUST EITHER BE EXTENDED OR A WASHING RACK INSTALLED.

C	09/27/14	ISSUED FOR PERMITTING	JGM	RES	KJF	SMG	JCK	FD	
B	09/21/14	ISSUED FOR REVIEW	KJF	RES	KJF	SMG	JCK	FD	
A	08/14/14	ISSUED FOR REVIEW	KJF	RES	KJF	SMG	JCK	FD	
REV	DATE	DESCRIPTION	DRAWN	CHECKED	REVIEWED	LEAD ENGINEER	TECH. SPEC. ENGINEER	PROJECT ENGINEER	PROJ. ENGR. REVIEWER
PRELIMINARY STATUS		DATE	INFORMATION ONLY - NOT TO BE USED FOR CONSTRUCTION.						
LDE JC KAPLAN		04/21/14							
APPROVED STATUS		DATE	REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.						
LDE		/ /							
ORIGINATING PERSONNEL			PROFESSIONAL ENGINEER'S SEAL						
DRAWN BY KJF									
CHECKED BY									
LEAD DESIGNER KJ FRITZ									
ENGINEER/TECH SPECIALIST SM GRAHL PROJECT ENGINEERING MANAGER F DRZAL									
			<small>ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF PEG - WADSWORTH, STATE OF CONNECTICUT LIC. NO. 25973 - DATE: 02/27/14</small>						

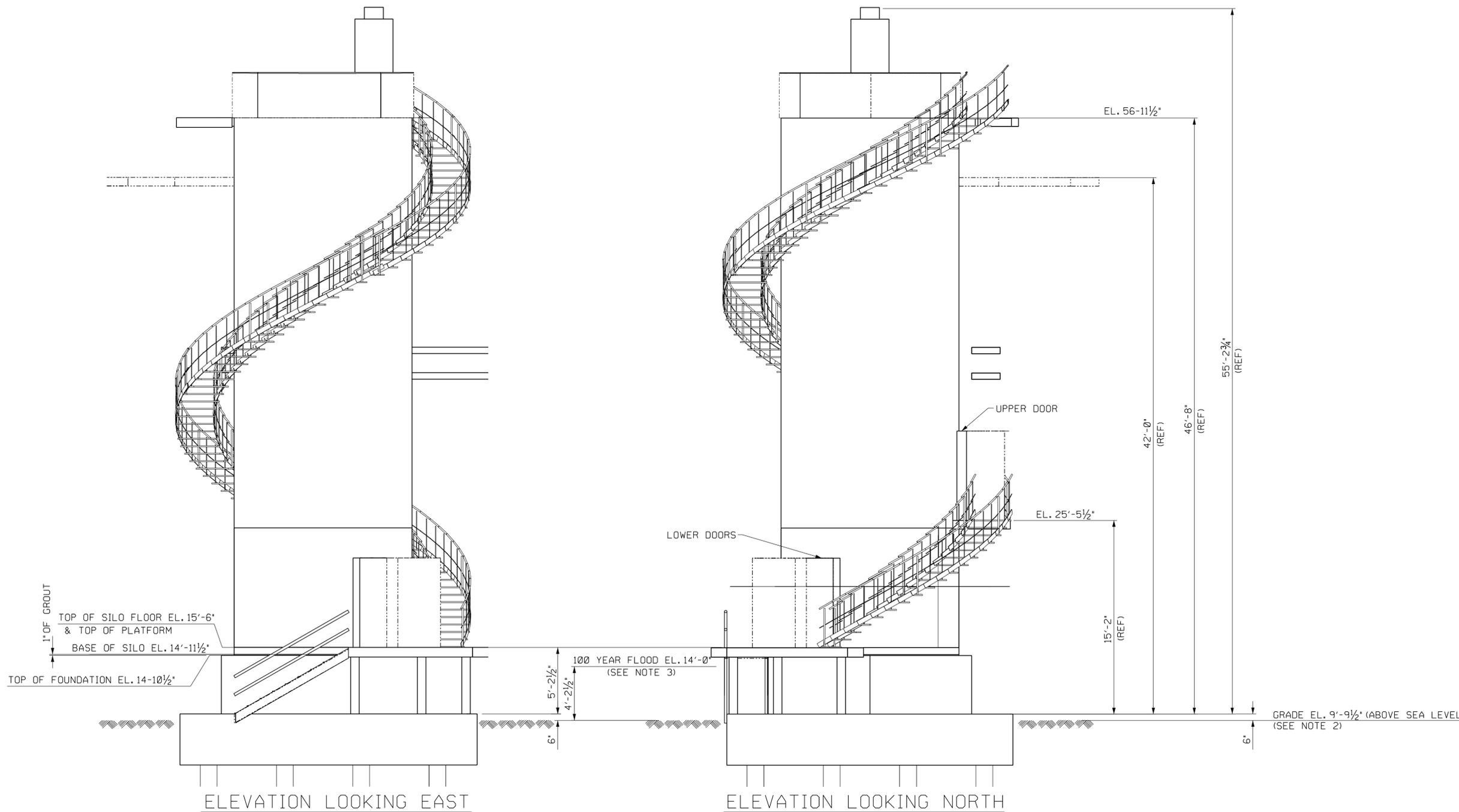


UNIT 3 DRY SORBENT INJECTION PROJECT
EROSION AND SEDIMENT CONTROL
NOTES AND DETAILS

SCALE NONE	DRAWING SIZE ARCH D (36' x 24')
WORLDYPARSONS DWG. NO. BPHR-3-DW-111-719-600	REV C

Bphr-3-dw-111-719-600.dgn
5/27/2014 9:05:21 AM

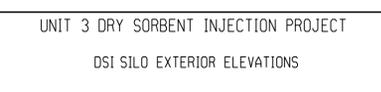
- NOTES:
 1. REFERENCE CLYDE BERGEMANN
 DRAWING NUMBER 14-135-GA01
 2. ELEVATIONS SHOWN ARE BASED ON NAVD88.
 3. INSURANCE RATE MAP.
 FEMA FLOOD MAP 09001C0441G
 REVISED JULY 8, 2013
 ELEVATION REFERENCE NAVD88.



REV	DATE	DESCRIPTION	DRAWN	CHECKED	REVIEWED	LEAD ENGINEER	TECH. SPEC. ENGINEER	PROJ. ENGR. MANAGER
B	05/27/14	ISSUED FOR REVIEW						
		ELEVATED EQUIPMENT	RGK	DLD	RGK	DLD	DLD	FPD
A	04/21/14	ISSUED FOR REVIEW						
			RGK	DLD	RGK	DLD	DLD	FPD

PRELIMINARY STATUS: INFORMATION ONLY - NOT TO BE USED FOR CONSTRUCTION.
 DATE: 04/21/14
 APPROVED STATUS: REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.
 DATE: _____

ORIGINATING PERSONNEL	PROFESSIONAL ENGINEER'S SEAL
DRAWN BY RGK	
CHECKED BY	
LEAD DESIGNER R. G. KABANA	
ENGINEER/TECH SPECIALIST D.L. DURSO	
PROJECT ENGINEERING MANAGER F. P. DRZAL	



UNIT 3 DRY SORBENT INJECTION PROJECT
 OSI SILO EXTERIOR ELEVATIONS
 ELEVATION VIEW

SCALE: 1/4"=1'
 DRAWING SIZE: ARCH D (36" x 24")
 WORLEYPARSONS DWG. NO.: BPHR-3-DW-111-102-601
 REV: B

Exhibit 2

Notice Letter and Service List

THOMAS J. REGAN
ATTORNEY-AT-LAWDirect: 860-509-6522
tregan@brownrudnick.com

May 27, 2014

VIA FIRST CLASS MAIL**RE: Petition of PSEG Power Connecticut LLC for a Declaratory Ruling
1 Atlantic Street, Bridgeport, Connecticut
Mercury and Air Toxic Standards Compliance**

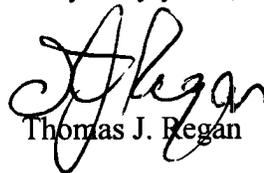
Dear Sir or Madam:

Pursuant to Section 16-50j-40 of the Connecticut Siting Council's (the "Council") regulations, we are notifying you that PSEG Power Connecticut LLC ("PSEG") intends to file on or shortly after May 30, 2014, a petition for declaratory ruling with the Council. The petition will request that the Council issue a declaratory ruling that a certificate of environmental compatibility and public need is not required for the proposed installation of a dry sorbent injection system (the "DSI Project") at PSEG's Bridgeport Harbor Generating Station, 1 Atlantic Street, Bridgeport, Connecticut (the "Facility").

The DSI Project will reduce the emissions from the Facility in compliance with the United States Environmental Protection Agency's final rule for Mercury and Air Toxic Standards, 40 C.F.R Parts 60 and 63.

If you have any questions regarding the proposed Facility, please contact the undersigned at (860) 509-6522, Neil Brown of PSEG at (973) 430-6017, or the Council at (860) 827-2935.

Very truly yours,


Thomas J. Regan

TJR:ct

PROOF OF NOTICE

This is to certify that on the 27 day of May 2014, the foregoing notice was sent via first class mail to the following:

<i>MUNICIPAL OFFICIAL / AGENCY</i>	<i>NAME/ADDRESS</i>
Bridgeport Chief Executive Officer	Mayor Bill Finch Office of the Mayor City of Bridgeport Margaret E. Morton Government Center 999 Broad Street Bridgeport, CT 06604
Bridgeport Planning & Zoning Commission	Mel Riley, Chair Planning & Zoning Commission Bridgeport City Hall 45 Lyon Terrace Room 210 Bridgeport, CT 06604
Bridgeport Zoning Administrator	Dennis Buckley Zoning Administrator Zoning Department Bridgeport City Hall 45 Lyon Terrace Room 210 Bridgeport, CT 06604
Bridgeport Wetlands Commission	Bridgeport Wetlands Commission c/o William Minor, Director Land Use Bridgeport City Hall 45 Lyon Terrace Room 212 Bridgeport, CT 06604
Bridgeport Regional Planning Agency	Greater Bridgeport Regional Council Brian T. Bidolli Executive Director 525 Water Street Bridgeport, CT 06604

<i>MUNICIPAL OFFICIAL / AGENCY</i>	<i>NAME/ADDRESS</i>
Bridgeport State Representative	Charles Clemons, Jr. State Representative, 124th District Legislative Office Building, Room 4051 Hartford, CT 06106-1591
Bridgeport State Representative	Charlie L. Stallworth State Representative, 126th District Legislative Office Building, Room 4050 Hartford, CT 06106-1591
Bridgeport State Representative	Jack Hennessy State Representative, 127th District Legislative Office Building, Room 5002 Hartford, CT 06106-1591
Bridgeport State Representative	Christina Ayala State Representative, 128th District Legislative Office Building, Room 4000 Hartford, CT 06106-1591
Bridgeport State Representative	Auden C. Grogins State Representative, 129th District Legislative Office Building, Room 4024 Hartford, CT 06106-1591
Bridgeport State Representative	Ezequiel Santiago State Representative, 130th District Legislative Office Building, Room 3802 Hartford, CT 06106-1591
Bridgeport State Senator	Anthony Musto State Senator Legislative Office Building, Room 2200 Hartford, CT 06106-1591
Bridgeport State Senator	Andres Ayala, Jr. State Senator Legislative Office Building, Room 3600 Hartford, CT 06106-1591
Connecticut Attorney General	George Jepsen, Attorney General Office of the Attorney General 55 Elm Street Hartford, CT 06106

<i>MUNICIPAL OFFICIAL / AGENCY</i>	<i>NAME/ADDRESS</i>
State Department of Energy and Environmental Protection	Robert Klee, Commissioner Department of Energy & Environmental Protection 79 Elm Street Hartford, CT 06106-5127
State Public Utilities Regulatory Authority	Arthur House, Chairman Department of Energy & Environmental Protection Public Utilities Regulatory Authority 10 Franklin Square New Britain, CT 06051
State Department of Public Health	Dr. Jewel Mullen, Commissioner Department of Public Health 410 Capitol Avenue Hartford, CT 06134
State Council on Environmental Quality	Susan D. Merrow, Chair Council on Environmental Quality 79 Elm Street Hartford, CT 06106
State Department of Agriculture	Steven K. Reviczky, Commissioner Department of Agriculture 165 Capitol Avenue Hartford, CT 06106
Office of Policy & Management	Benjamin Barnes, Secretary Office of Policy and Management 450 Capitol Avenue Hartford, CT 06106
State Department of Economic & Community Development	Catherine Smith, Commissioner Department of Economic and Community Development 505 Hudson Street Hartford, CT 06106
State Department of Transportation	James P. Redeker, Commissioner Department of Transportation 2800 Berlin Turnpike Newington, CT 06111

<i>ABUTTER PROPERTY</i>	<i>ABUTTER NAME/MAILING ADDRESS</i>
420 Main Street #422	Aleksander Vukaj 170 Jennings Road Fairfield, CT 06825
418 Main Street	Kiefer Main Incorporated 77 Grannis Rd. Orange, CT 06477
54 Kiefer Street 38 Kiefer Street 30 Kiefer Street	O'Hara's LLC 365 Cross Highway Fairfield, CT 06824
376 Main Street	E S M Holdings LLC 525 South 4th Avenue Mount Vernon, NY 10550
375 Main Street	Housing Authority of the City of Bridgeport 376 East Washington Avenue Bridgeport, CT 06608
10 Atlantic Street	Bridgeport Energy LLC c/o Capital Power Corp. 1200-10423 101St. NW 10th Floor, Epcor Tower Edmonton, AB T5H 0E9 CANADA
280 Main Street	PSEG Power Connecticut, LLC 80 Park Plaza T-9 N/A Newark, NJ 07102-4194
51 Henry Street 76 Main Street 37 Henry Street #41	60 Main Street LLC et. al 40 Danbury Road Wilton, CT 06897
3 Atlantic Street	United Illuminating Company P.O. Box 1402 New Haven, CT 06505
21 Henry Street 27 Henry Street	Michael Mauzerall 21 Henry Street Bridgeport, CT 06604

<i>ABUTTER PROPERTY</i>	<i>ABUTTER NAME/MAILING ADDRESS</i>
Bridgeport Harbor	Bridgeport Port Authority 330 Water Street Bridgeport, CT 06604

By: Scott Muska
Scott A. Muska

Exhibit 3

Letter from Mayor Bill Finch



OFFICE OF THE MAYOR
CITY OF BRIDGEPORT, CONNECTICUT
MARGARET E. MORTON GOVERNMENT CENTER
999 BROAD STREET
BRIDGEPORT, CONNECTICUT 06604
TELEPHONE (203) 576-7201
FAX (203) 576-3913

BILL FINCH
Mayor

May 28, 2014

Robert Stein, Chairman
Connecticut Sitting Council
10 Franklin Square
New Britain, CT 06051

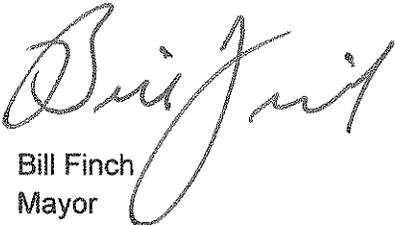
**RE: Petition of PSEG Power Connecticut LLC for a Declaratory Ruling
1 Atlantic Street, Bridgeport, Connecticut
Mercury and Air Toxic Standards Compliance**

Dear Chairman Stein:

PSEG Power Connecticut LLC ("PSEG") has informed the City of Bridgeport of its plans to install additional emissions control technology at Bridgeport Harbor Station and of its intent to file a petition for a declaratory ruling with the Connecticut Sitting Council for the installation. Specifically, the City understands that PSEG intends to install and operate a dry sorbent injection system (the "DSI Project") to comply with the Federal Mercury and Air Toxic Standards. The DSI Project is designed to reduce the amount of acid gases emitted by the facility.

Based upon our review of the proposed DSI Project, the City does not object to the DSI Project.

Sincerely,



Bill Finch
Mayor