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Also admitted in Massachusetts  
and Connecticut

**Via Hand Delivery**

June 24, 2016

Todd Bianco  
Siting Board Coordinator  
Energy Facility Siting Board  
89 Jefferson Boulevard  
Warwick, RI 02888

**Re: The Narragansett Electric Company d/b/a National Grid  
Notice of Intent to Relocate an Existing Transmission Line Underground  
Docket No. SB-2016-02**

Dear Todd:

I am enclosing for filing an original and ten (10) copies of The Narragansett Electric Company d/b/a National Grid's responses to the Energy Facility Siting Board's First Set of Data Requests in the above referenced matter.

Please acknowledge receipt of this filing on the enclosed copy and return it to me. Thank you.

Sincerely,



George W. Watson, III

GWW/blv

Enclosures

Copy to: Patricia S. Lucarelli, Esq. (*via hand delivery*)  
Service List (*via electronic mail*)

RECEIVED  
2016 JUN 24 PM 1:24  
PUBLIC UTILITIES COMMISSION

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
ENERGY FACILITY SITING BOARD**

<b>THE NARRAGANSETT ELECTRIC</b>	:	
<b>COMPANY D/B/A NATIONAL GRID</b>	:	
<b>NOTICE OF INTENT TO RELOCATE</b>	:	<b>DOCKET NO. SB-2016-02</b>
<b>AN EXISTING TRANSMISSION</b>	:	
<b>LINE UNDERGROUND</b>	:	

**NATIONAL GRID’S RESPONSE TO THE  
ENERGY FACILITY SITING BOARD’S  
FIRST SET OF DATA REQUESTS**

DATA REQUEST NO. 1-1: What is the length of the line that would be necessary to extend portions of the existing Lines to the new substation? If less than 1,000 feet, what would be the cost savings to National Grid of filing a Notice of Intent pursuant to Rule 1.6(c) as opposed to its cost of filing a Notice of Intent pursuant to Rule 1.6(f) as it did in the instant matter?

RESPONSE:

If the Project proceeded using the existing overhead lines to connect to the new substation, the lines would have to be extended from the structure located next to the South Street Landing Building to the new substation building. The total length of the line would be approximately 510 feet. The shorter overhead extension would permit a filing of Notice of Intent pursuant to Rule 1.6(c) (“60 Day NOI”). Filing a 60 Day NOI would not result in a cost savings to National Grid as the Cost Reimbursement Agreement (“CRA”) between the CV Properties, LLC and National Grid requires CV Properties, LLC to pay for all costs, including permitting, to relocate the lines underground. As noted in Section 3.7 of the Environmental Report filed with the application, the CRA does provide a credit for the estimated costs National Grid would have spent to connect the new substation to the existing lines and structures (the “Above Ground Cost”). The Above Ground Cost includes the cost to file a 60 Day NOI for 510 foot extension of the lines.

Response prepared by or under the supervision of  
Robert Galgano, Project Manager

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
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<b>LINE UNDERGROUND</b>	:	

**NATIONAL GRID'S RESPONSE TO THE  
ENERGY FACILITY SITING BOARD'S  
FIRST SET OF DATA REQUESTS**

DATA REQUEST NO. 1-2: If there is an incremental cost resulting from filing a Notice of Intent pursuant to Rule 1.6(f) as opposed to filing a Notice of Intent pursuant to Rule 1.6(c), who is paying that incremental cost?

RESPONSE:

The incremental cost will be paid by the developer, CV Properties, LLC, in accordance with the Cost Reimbursement Agreement dated February 19, 2016 which was filed with the Federal Energy Regulatory Commission on February 22, 2016 in Docket No. ER16-986.

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Robert Galgano, Project Manager

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**NATIONAL GRID’S RESPONSE TO THE  
ENERGY FACILITY SITING BOARD’S  
FIRST SET OF DATA REQUESTS**

DATA REQUEST NO. 1-3: Describe the outreach that National Grid has or intends to engage in with abutters to the two underground routes. Describe in detail what is meant by “limited” outreach effort as set forth in Section 3.9 of the Notice of Intent.

RESPONSE:

This is a unique Project where the need is driven by a developer’s redevelopment of land abutting an existing substation. With the exception of two street crossings, the Project routes are located on land owned by National Grid or the developer, CV Properties, LLC (“CV Properties”). As the relocation of the lines underground is needed for CV Properties’ redevelopment of the South Street Landing Building, to date, CV Properties has led outreach efforts for the Project by incorporating the Project and National Grid into its discussions with stakeholders regarding CV Properties’ redevelopment. Because of the unique nature of this Project, National Grid does not anticipate conducting any additional outreach with abutters. Nevertheless, National Grid, CV Properties, and the City of Providence have opened lines of communication so that if an inquiry regarding the Project is brought to the attention of either CV Properties or the City of Providence, National Grid’s designated Project stakeholder relations representative will ensure the inquiry is received and addressed.

The “limited” outreach by National Grid included regular communications with CV Properties throughout the development of the design for the South Street Landing project and the South Street Substation project. Furthermore, as part of these direct communications, several joint meetings were held with National Grid, CV Properties, and other stakeholders. The other stakeholders included the Rhode Island Governor and Commerce Secretary and representatives from the City of Providence, Rhode Island Office of Energy Resources, Brown University, University of Rhode Island, the State of Rhode Island, and the I-195 Commission.

In addition to the stakeholder meetings led by CV Properties, National Grid referenced the Project in its applications for the new South Street Substation control house before the City of Providence Downtown Design Review Committee and City of Providence Zoning Board. Both applications required public hearings with notices provided to all abutters within 200 feet of the Substation Property. National Grid also referenced the Project in its application to the Coastal

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Resources Management Council (“CRMC”) for an Assent for activities located on National Grid property related to CV Properties’ redevelopment of the South Street Landing Building. This application (File Number 2015-10-001) was publicly noticed by the CRMC on October 2, 2015 and that notice specified that the application and plans for the proposed work were available for viewing at CRMC’s offices in Wakefield.

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
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**NATIONAL GRID’S RESPONSE TO THE  
ENERGY FACILITY SITING BOARD’S  
FIRST SET OF DATA REQUESTS**

DATA REQUEST NO. 1-4: Provide copies of any materials distributed as part of community outreach.

RESPONSE:

Enclosed as Attachments 1-4a and 1-4b are copies of the PowerPoint presentations from the City of Providence Downtown Design Review Committee and the City of Providence Zoning Board public hearings on National Grid’s proposed South Street substation control house. Enclosed as Attachment 1-4c is a copy of the public notice provided by the Coastal Resources Management Council (“CRMC”) in connection with National Grid’s application for an Assent.

Response prepared by or under the supervision of  
Robert Galgano, Project Manager

**nationalgrid**

HERE WITH YOU. HERE FOR YOU.

# South Street Substation Switchgear and Control Building

342 Eddy Street, Providence RI 02903

Presented to the City of Providence Downtown Design Review Committee

September 21, 2015





aerial view of south street circa 1990



current substation building - 2005

# Need to Replace South Street Substation

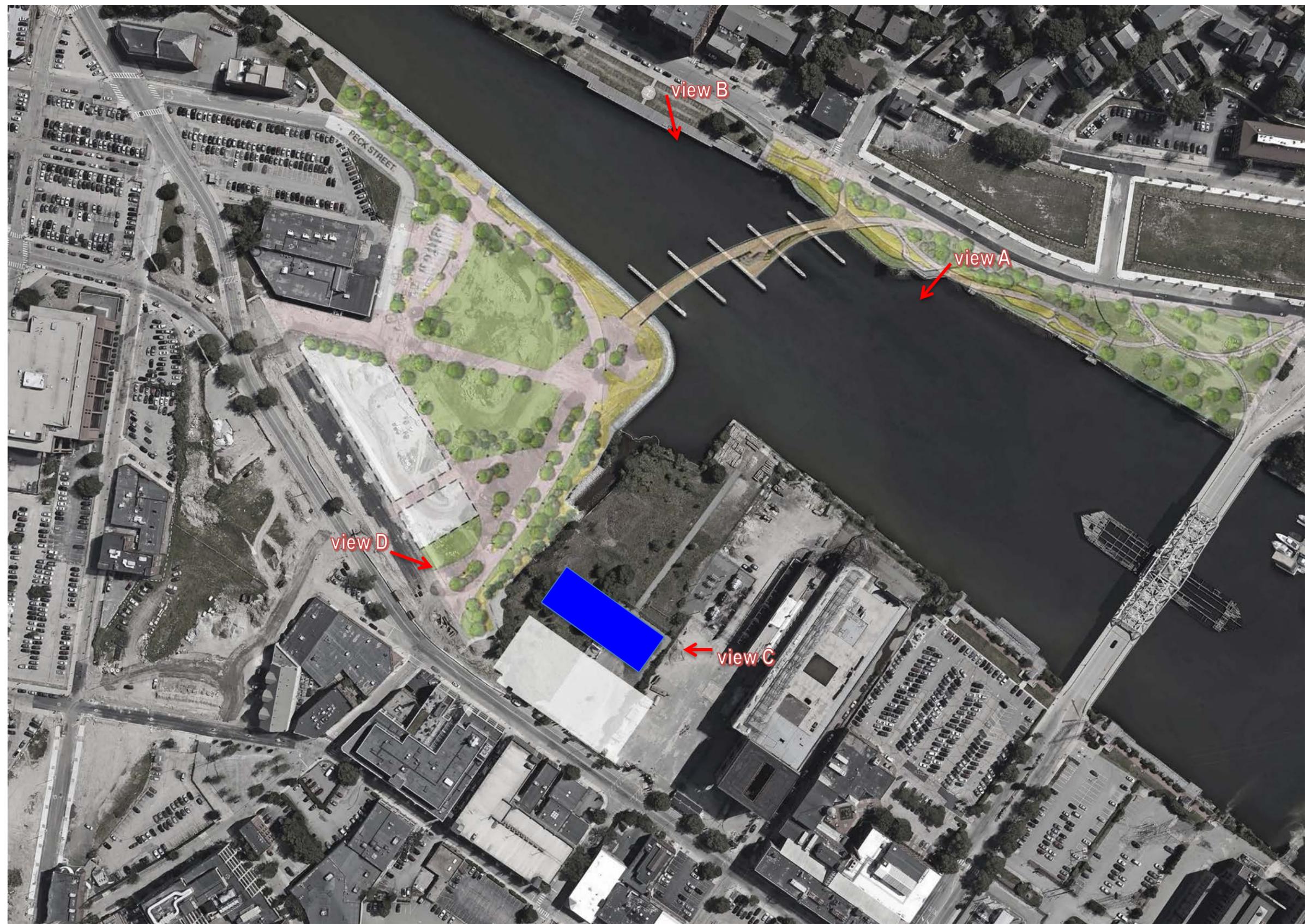
- South St. Sub, with Franklin Sq. Sub provides electrical service to 150MW of load in downtown Providence, including the downtown network, 10 distribution substations, 5 hospitals
- South St. was originally built in 1919. Equipment at South St. is no longer supported by the manufacturer, and replacing this equipment is a high priority for NG
- The substation building is in need of structural repairs, and modern equipment cannot be retrofitted in the existing building
- Reliability – The network is designed with redundancy and should not experience outages. The network has not had an outage in many decades. Two outages have occurred in the last six months.
- Load Growth – New substation will have capacity to serve growing loads in the City of Providence including I-195 development
- South Street replacement is a priority for National Grid

# South Street Substation Project

- Construct a new switchgear and control building
- Construct an outdoor switchyard for transformers
- Install 115 kV underground cables and remove the existing 115 kV overhead lines, paid for by the developer
- Connect the new substation to the existing underground distribution cables
- Remove the existing substation building

# Project Schedule

Date	Milestone
Fall 2015	Commence permitting
Early 2016	Mobilize site and begin substation building construction
Fall 2016	Complete building erection Switchyard, feeder and 115kV UG construction continuing
Early 2018	Complete construction Start commissioning, energization and cutovers
Spring 2019	Complete commissioning, existing substation deenergized Start demolition of substation building
Fall 2019	Complete project



site map



view A – existing condition – looking west



from site – looking east



from site – looking east



view B – existing condition – looking southwest



from site – looking south east



from site – existing switchgear & south street landing building



view C – existing condition – looking north



from site – looking northwest



from site – looking north



view D – existing condition – looking south



from site – looking west



from Dyer st.– looking south



view A – proposed



view B - proposed



view C - proposed



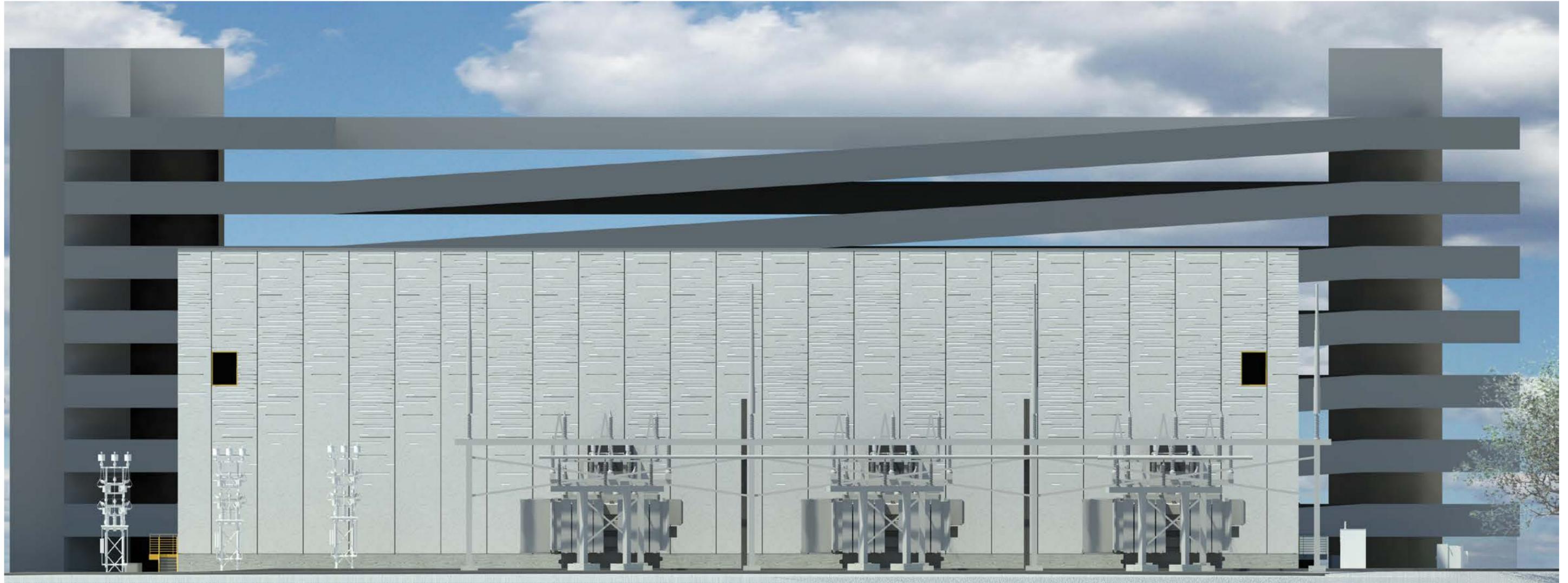
proposed pre-cast concrete panels detail



panel precedent



view D – proposed



east elevation



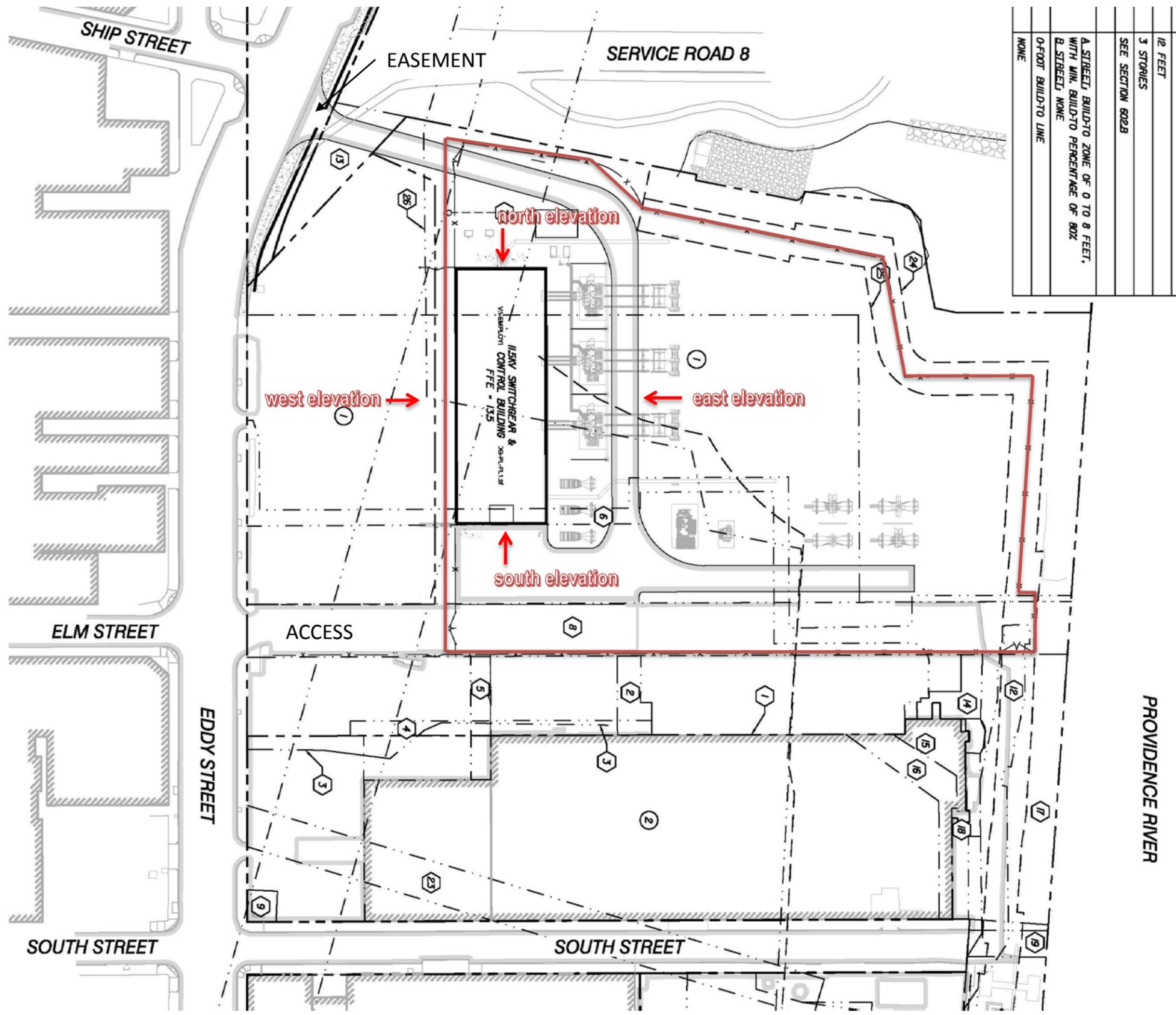
west elevation



north elevation



south elevation



site plan

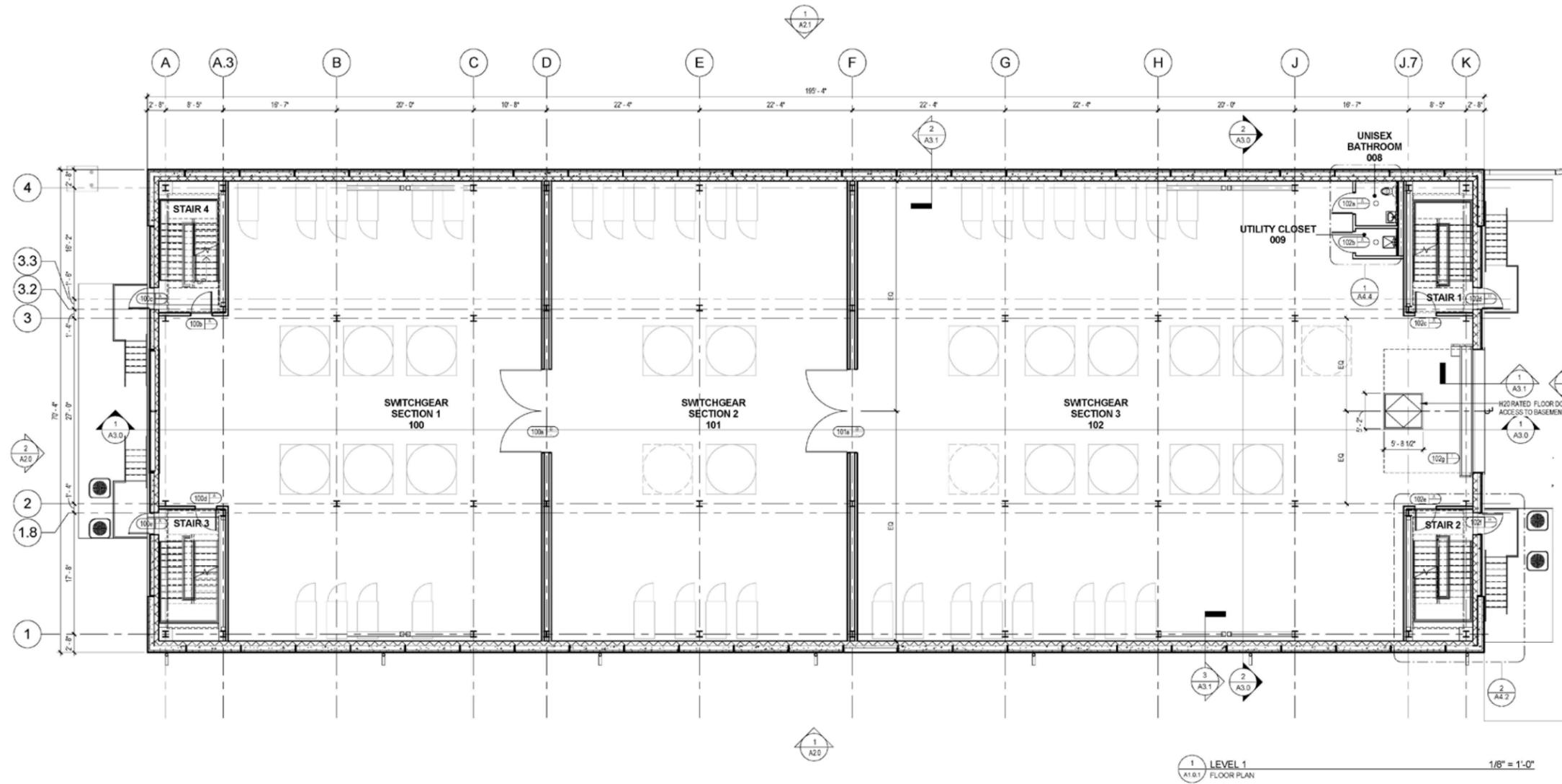


view D – proposed, with foliage in foreground

# Screen National Grid site and Ship Street utility box with plantings.



THE LINK I -195 Redevelopment District Commission



1 LEVEL 1  
A1.0.1 FLOOR PLAN 1/8" = 1'-0"

level 1 floor plan



KITE Architects, Inc.

3 Central St  
Providence, Rhode Island  
02907

TEL 401 272.0240  
info@kitearchitects.com

TRC Companies, Inc.  
124 Grove St., Suite 205,  
Franklin, MA 02038

**PROGRESS PRINT**  
FOR REVIEW ONLY  
NOT FOR CONSTRUCTION  
06.26.2015

**SOUTH STREET  
SUBSTATION**

EDDY STREET  
PROVIDENCE, RI 02903

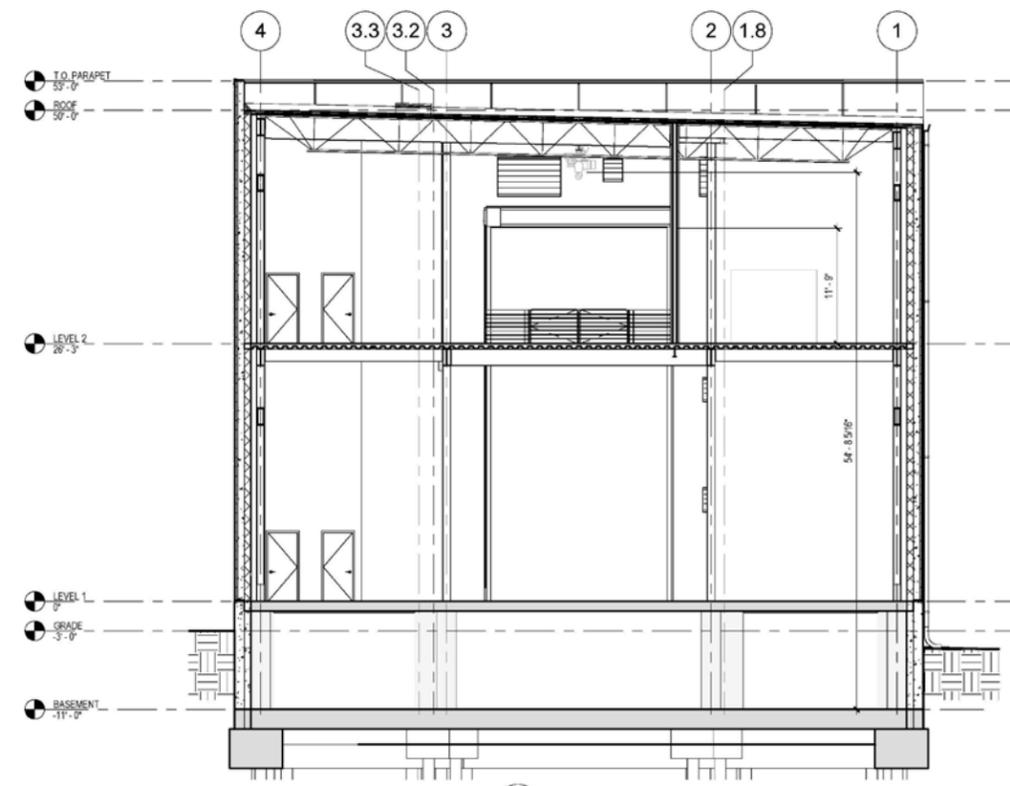
PROJECT NO. 1520

NO. DATE ISSUED FOR  
06.26.2015 NATIONAL GRID REVIEW

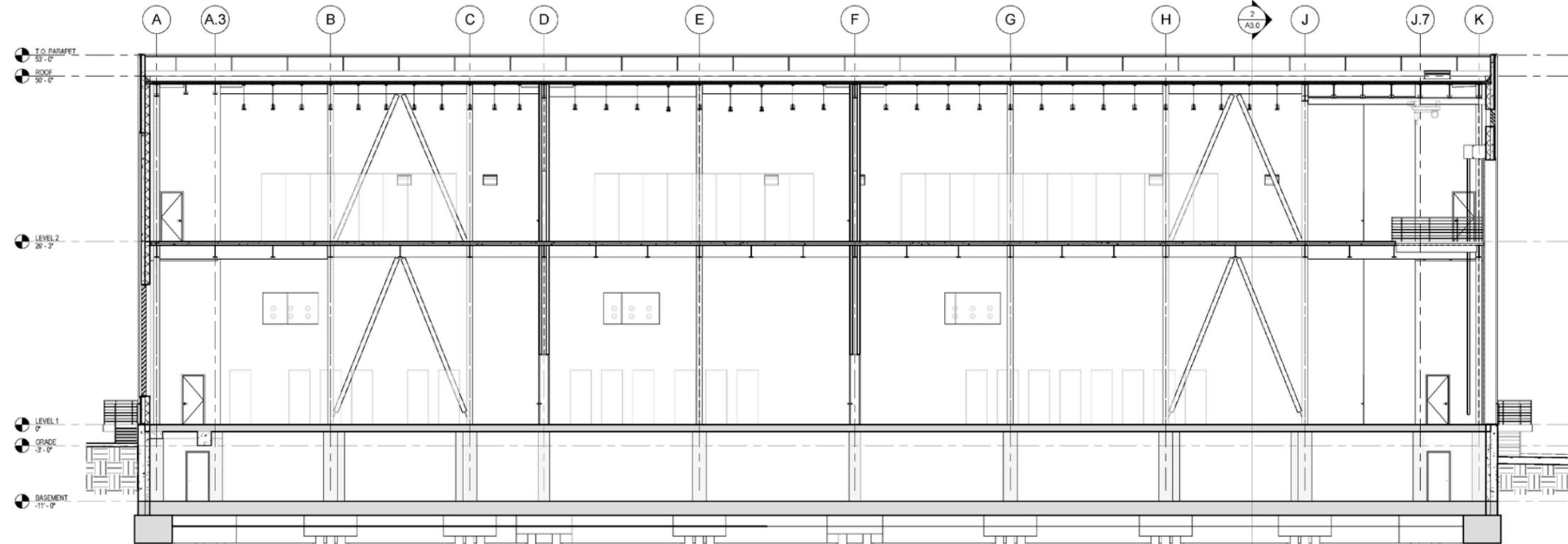
**BUILDING SECTIONS**

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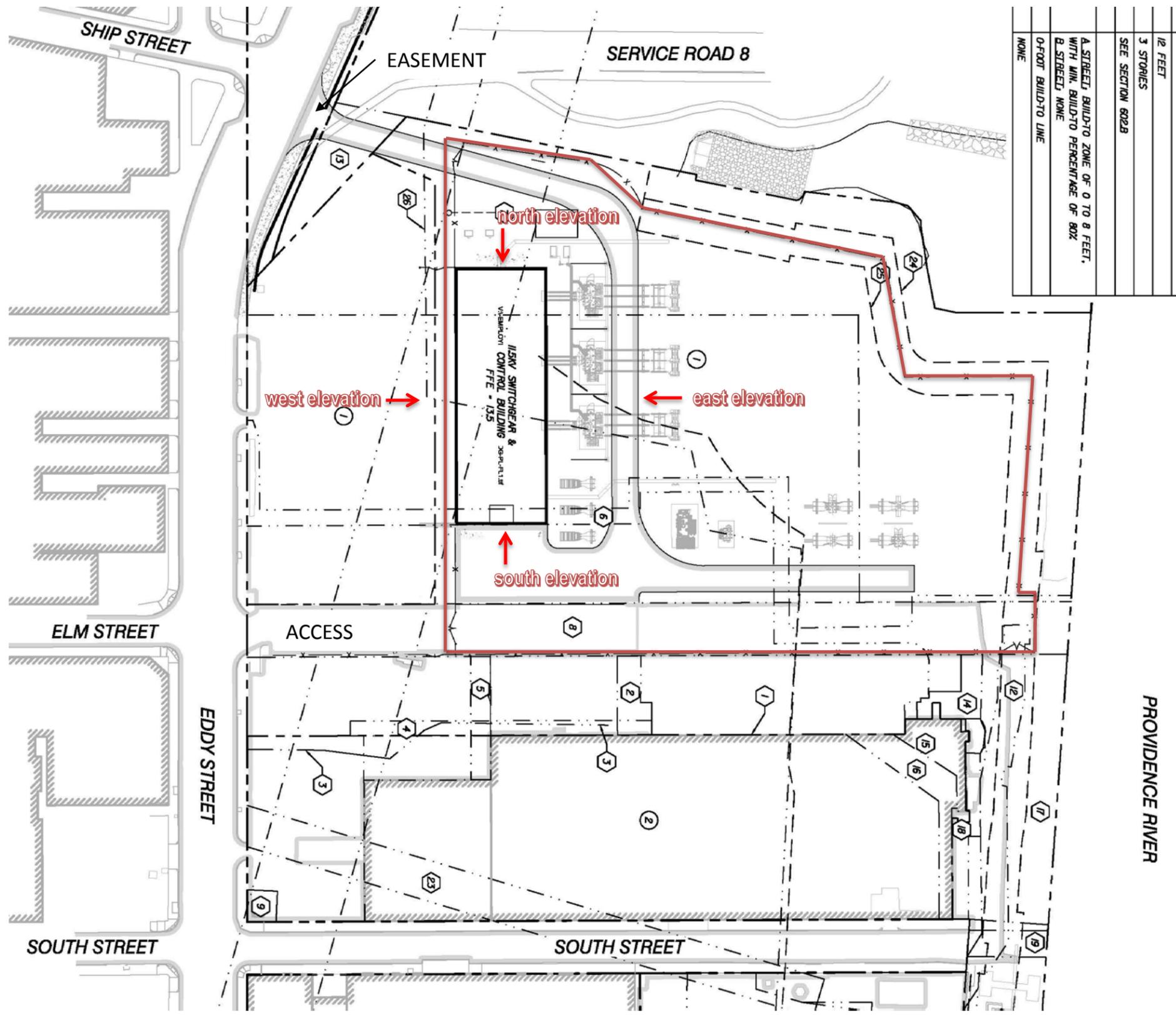
**A3.0**



2 BUILDING SECTION  
A3.0 FACING SOUTH 1/8" = 1'-0"



1 BUILDING SECTION  
A3.0 FACING EAST 1/8" = 1'-0"



site plan



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HERE WITH YOU. HERE FOR YOU.

# South Street Substation Switchgear and Control Building

342 Eddy Street, Providence RI 02903

Presented to the City of Providence Zoning Board of Review

October 27, 2015





aerial view of south street circa 1990



current substation building - 2005

# Need to Replace South Street Substation

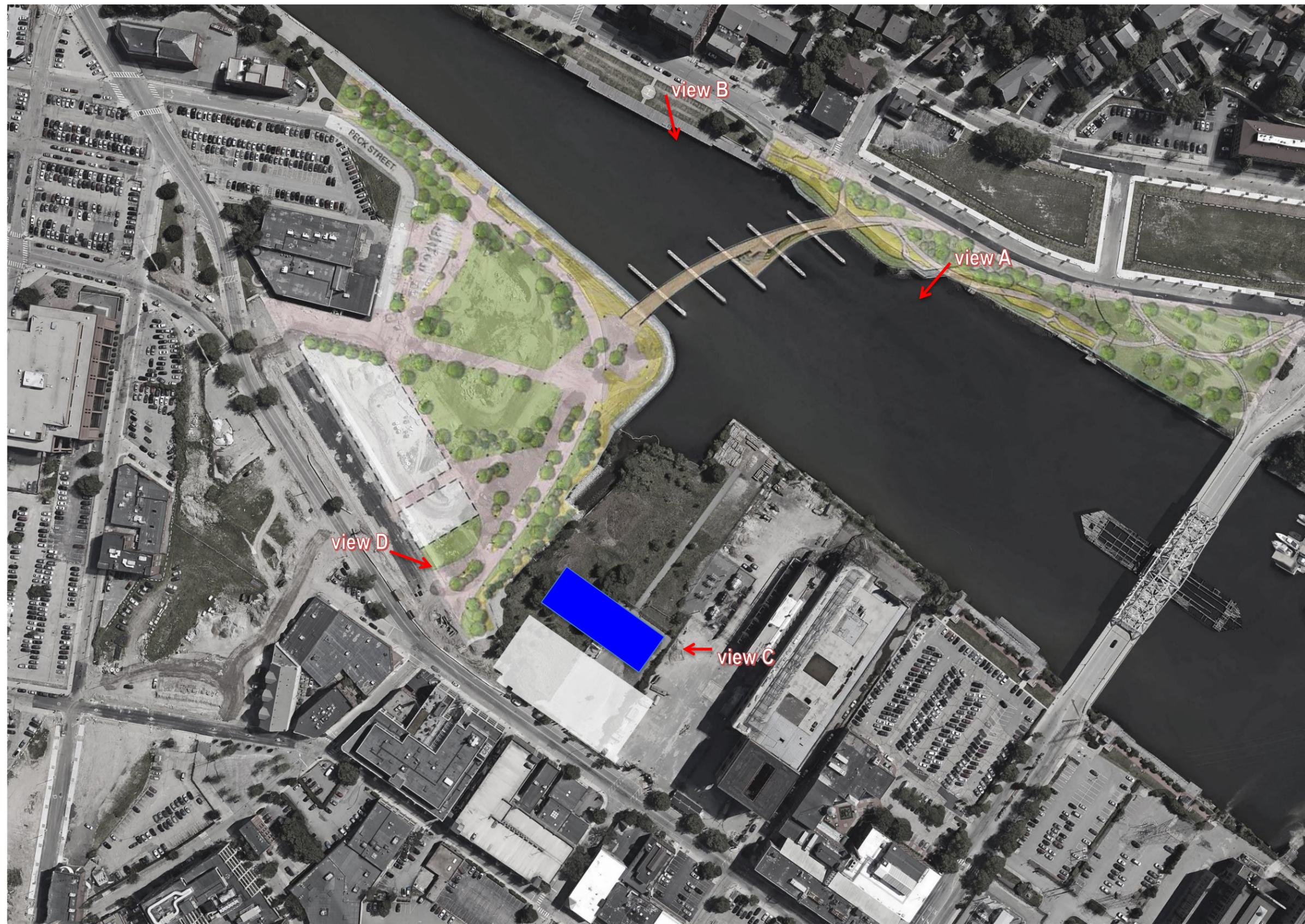
- The South Street Substation, together with the Franklin Square Substation, provide electrical service to 150MW of load in downtown Providence, including the downtown network, 10 distribution substations, 5 hospitals.
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- The substation building is in need of structural repairs, and modern equipment cannot be retrofitted in the existing building.
- Reliability – The network is designed with redundancy and should not experience outages. The network has not had an outage in many decades. Two outages have occurred in the last six months.
- Load Growth – The new substation will have capacity to serve growing loads in the City of Providence, including I-195 development.
- The replacement of the South Street Substation is a priority for National Grid.

# South Street Substation Project

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from site – looking west



from Dyer St.– looking south



**South Street Substation Switchgear & Control Building**  
October 27, 2015







view A – proposed



view B - proposed



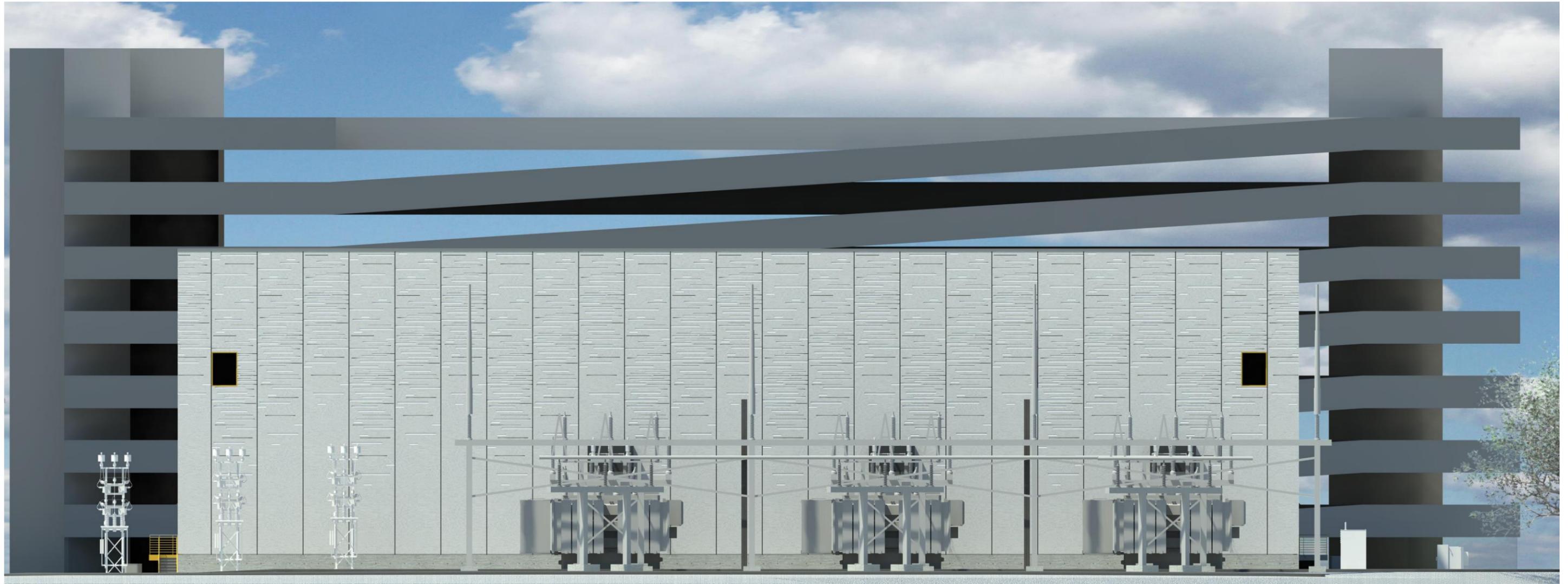
view C - proposed



proposed pre-cast concrete panels detail



panel precedent



east elevation



west elevation



south elevation



north elevation

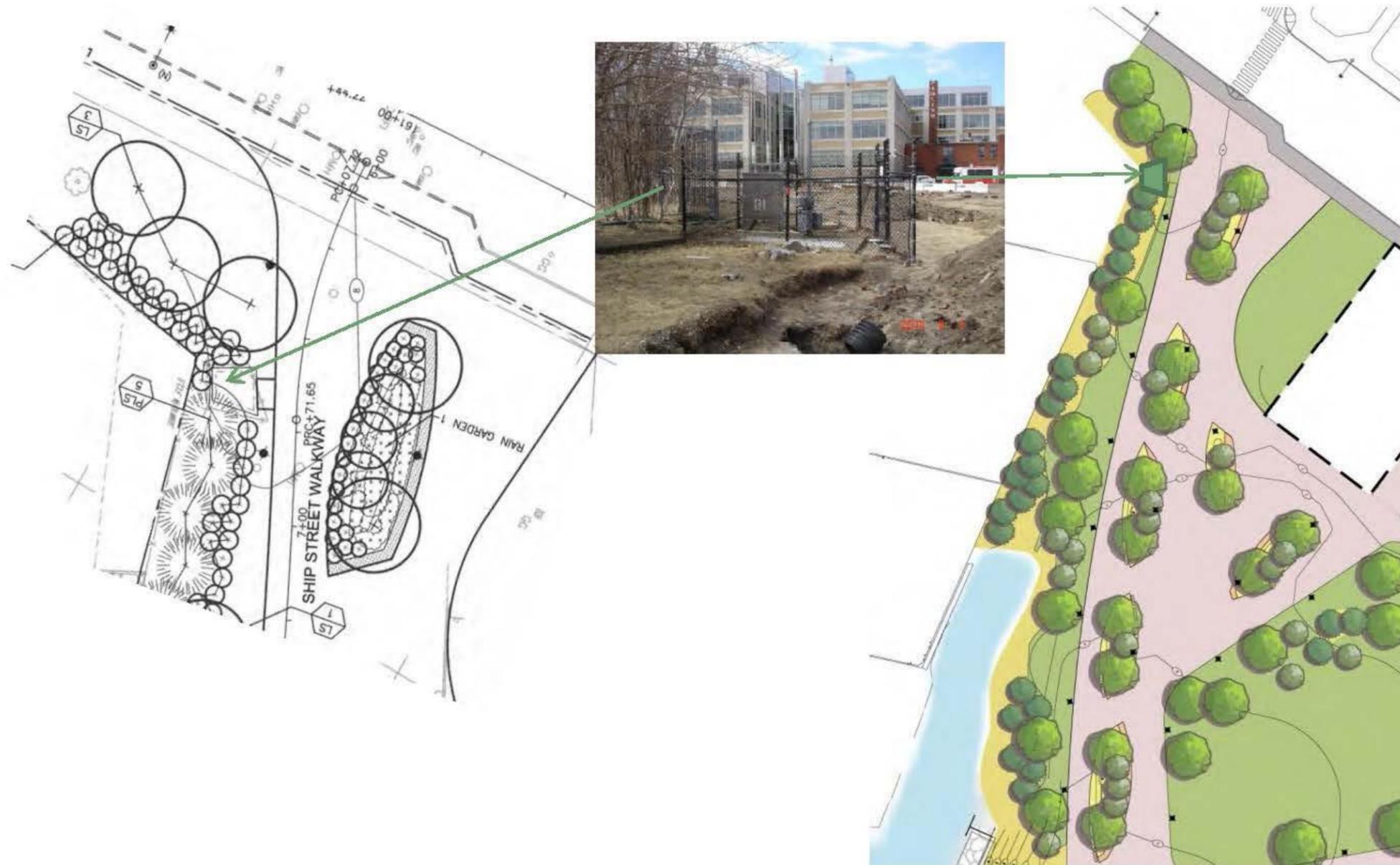


view D – proposed

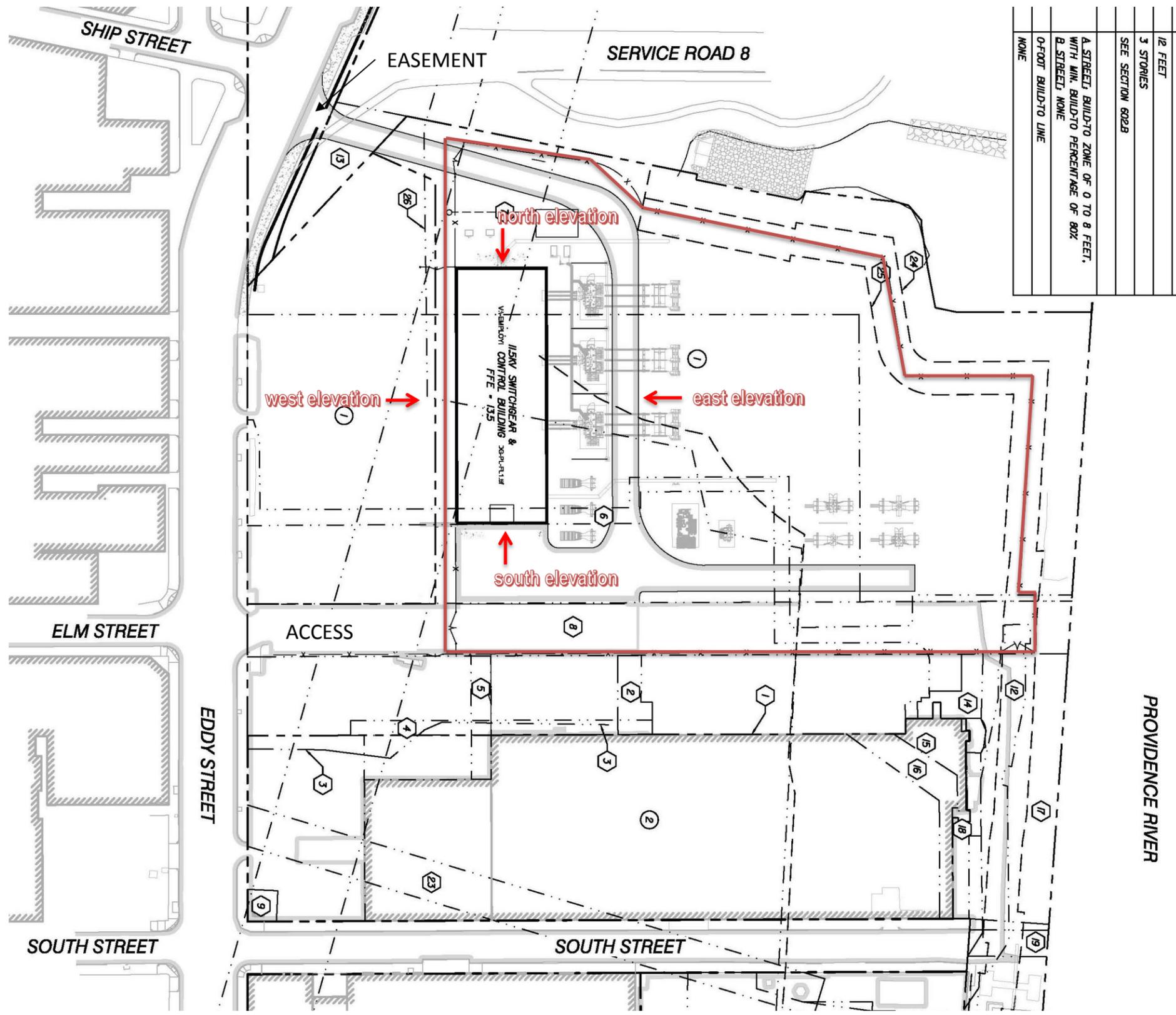


view D – proposed, with foliage in foreground

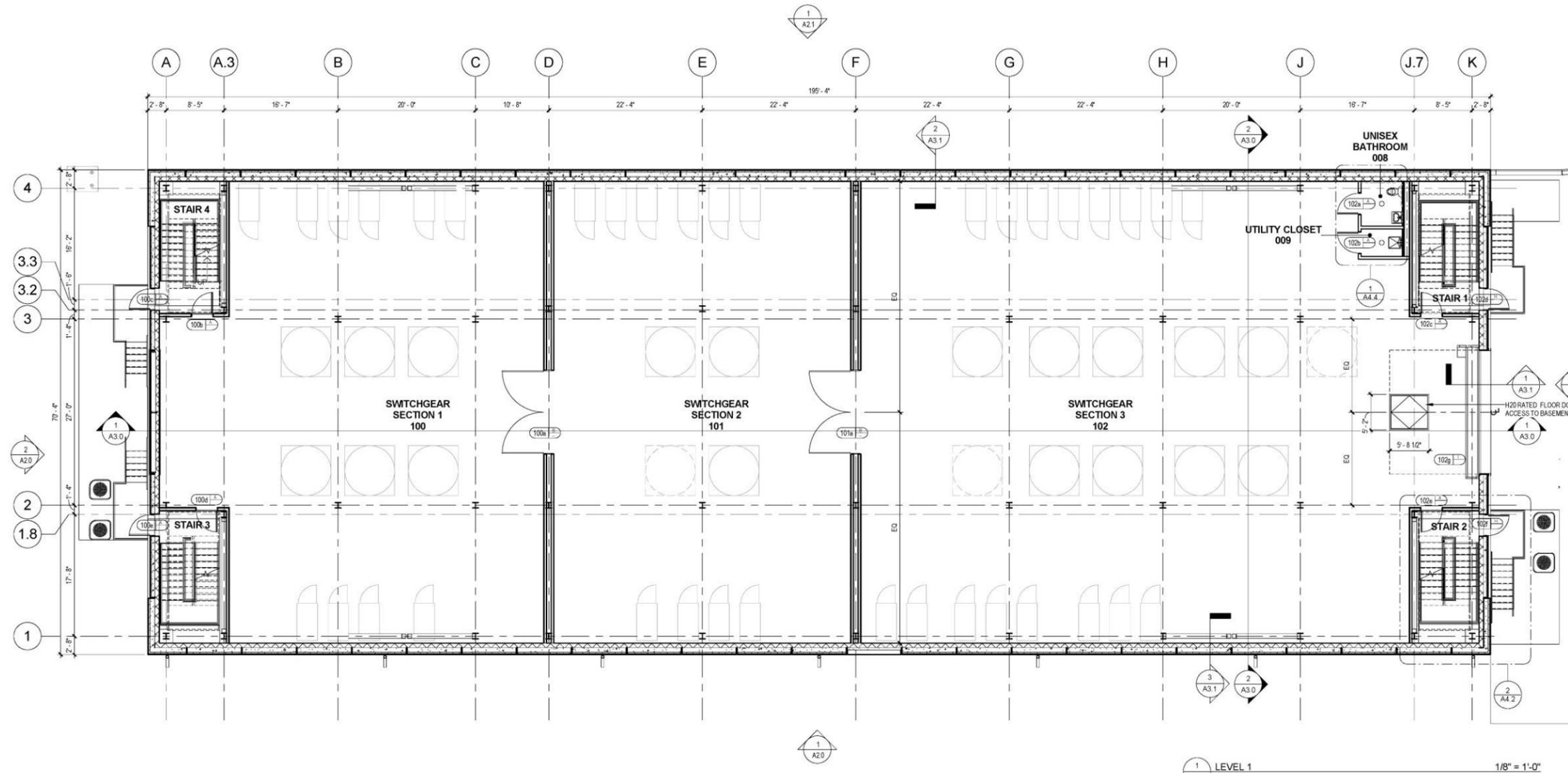
# Screen National Grid site and Ship Street utility box with plantings.



THE LINK I -195 Redevelopment District Commission



site plan



**PROGRESS PRINT**  
 FOR REVIEW ONLY  
 NOT FOR CONSTRUCTION  
**06.26.2015**

**SOUTH STREET  
 SUBSTATION**

EDDY STREET  
 PROVIDENCE, RI 02903

PROJECT NO. 1520

NO. DATE ISSUED FOR  
 06.26.2015 NATIONAL GRID REVIEW

**LEVEL 1 FLOOR  
 PLAN**

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**A1.0.1**

level 1 floor plan

1 LEVEL 1  
 A1.0.1 FLOOR PLAN 1/8" = 1'-0"



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HERE WITH YOU. HERE FOR YOU.

# South Street Substation Switchgear and Control Building

342 Eddy Street, Providence RI 02903

Presented to the City of Providence Zoning Board of Review

October 27, 2015





State of Rhode Island and Providence Plantations  
Coastal Resources Management Council  
Oliver H. Stedman Government Center  
4808 Tower Hill Road, Suite 3  
Wakefield, RI 02879-1900

(401) 783-3370  
Fax (401) 783-3767

**PUBLIC NOTICE**

File Number: 2015-09-003 Date: October 2, 2015

This office has under consideration the application of:

Narragansett Electric Company  
Att: Erin Whoriskey  
40 Sylvan Road  
Waltham, MA 02451

for a State of Rhode Island Assent to construct and maintain:

Construct an eight story 744 space parking garage, sidewalks, access driveways, curbing, landscape features and a stormwater bioretention facility. The project represents phase 1 of a four phase project in the vicinity of the former Narragansett Electric “Dynamo House.” The master plan for the site showing the four phases of the project are included with this public notice as well as the parking garage (phase 1) plan. The full (four phased project) will include the establishment of a public greenway with amenities along the Providence River shoreline.

Project Location:	342 Eddy Street
City/Town:	Providence
Plat/Lot:	21/429
Waterway:	Providence River

Plans of the proposed work may be seen at the CRMC office in Wakefield.

In accordance with the Administrative Procedures Act (Chapter 42-35 of the Rhode Island General Laws) you may request a hearing on this matter.

You are advised that if you have good reason to enter protests against the proposed work it is your privilege to do so. It is expected that objectors will review the application and plans thoroughly, visit site of proposed work if necessary, to familiarize themselves with the conditions and cite what law or laws, if any, would in their opinion be violated by the work proposed.

If you desire to protest, you must attend the scheduled hearing and give sworn testimony. A notice of the time and place of such hearing will be furnished you as soon as possible after receipt of your request for hearing. If you desire to request a hearing, to receive consideration, it should be in writing (**with your correct mailing address, e-mail address and valid contact number**) and be received at this office on or before October 17, 2015.

Figure I-1 Vicinity Map



**BETA**

RECEIVED  
SEP 23 2015  
COASTAL RESOURCES  
MANAGEMENT COUNCIL

1,000 500 0 1,000 Feet

Scale: 1" = 1,000'

Engineered by: **BETA**  
 www.BETA-inc.com  
**CV PROPERTIES LLC**  
 Development • Investment

**SA SPAGNOLO GINSNESS & ASSOCIATES, INC.**  
 1501 FORD AVENUE, SUITE 200  
 ARCHITECTURAL PLANNING, INTERIOR DESIGN  
**HALVORSON DESIGN PARTNERSHIP**  
 LANDSCAPE ARCHITECTURE

Project: **South Street Landing**  
 Title: **Urban Coastal Greenway Master Plan**  
 Providence, Rhode Island

Revisions:  
 No. Description  
 1. Initial  
 2. Revise

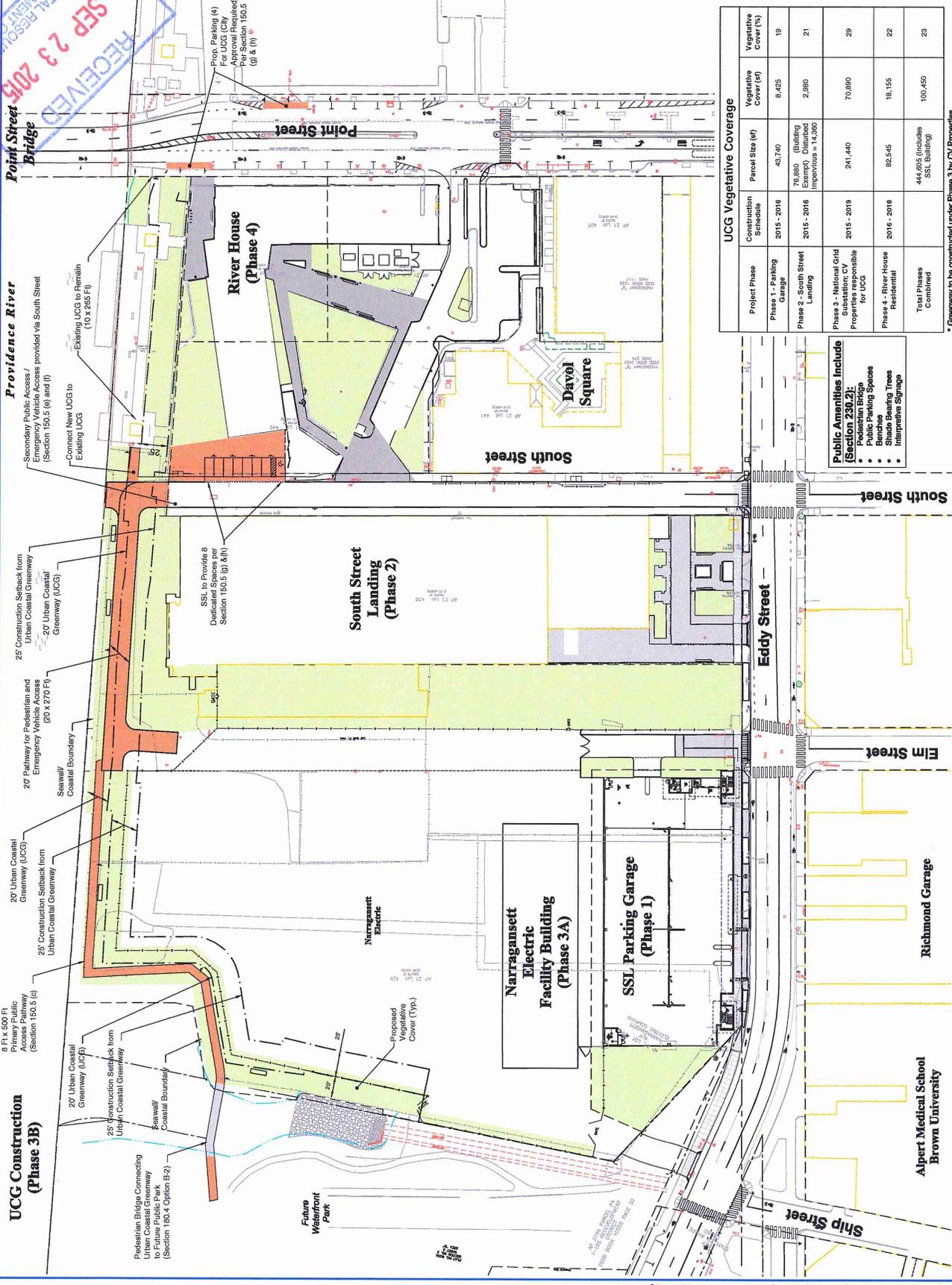
File: 1597 Master Plan UCG-CRMC-082515-A1.dwg  
 Drawn By: IMZ  
 Designed By: RMA  
 Created By: 4587 Date: August 2015

North Arrow

Scale  
 0 20 40 80  
 Feet  
 Scale in Feet 1"=40'

Sheet No.: **C1.00**

Print Date: 9/16/2015 8:55 AM



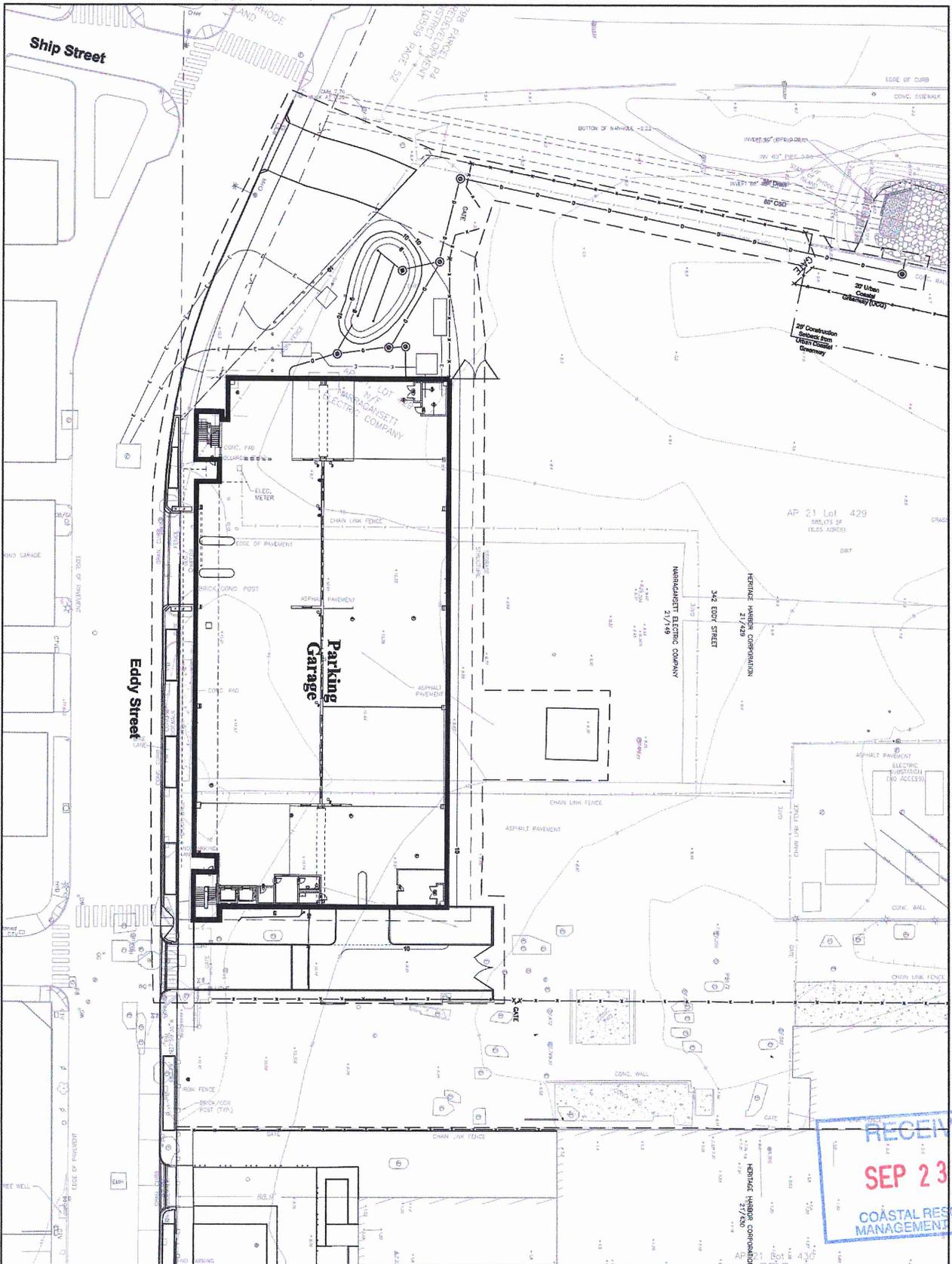
**UCG Vegetative Coverage**

Project Phase	Construction Schedule	Parcel Size (sf)	Vegetative Cover (sf)	Vegetative Cover (%)
Phase 1 - Parking Garage	2015 - 2016	43,740	8,425	19
Phase 2 - South Street Landing	2015 - 2016	76,800 (Building Encompasses = 14,300)	2,880	21
Phase 3 - National Grid Substation, CV Properties, Available for UCG	2015 - 2019	241,440	70,800	29
Phase 4 - River House Residential	2016 - 2018	82,545	18,155	22
Total Phases Combined		444,605 (Includes SSL Building)	100,450	23

- Public Amenities Include (Section 230.2):**
- Pedestrian Bridge
  - Public Parking Spaces
  - Benches
  - Landmarking These Spaces
  - Inexpensive Signage

\* Greenway to be constructed under Phase 3 by CV Properties

RECEIVED  
 SEP 23 2015  
 CIVIL ENGINEERING DIVISION



RECEIVED  
 SEP 23 2015  
 COASTAL RESOURCES  
 MANAGEMENT COUNCIL

<p><b>Engineered by:</b>  <b>BETA</b>                  www.beta-inc.com  <b>CV PROPERTIES, LLC</b>                  CONSULTING ENGINEERS</p>							
<p><b>Project:</b>                  South Street Landing Garage                  Providence, Rhode Island</p>							
<p><b>Title:</b>                  Site Plan</p>							
<p><b>Revision:</b></p> <table border="1"> <thead> <tr> <th>No.</th> <th>Description</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		No.	Description	Date			
No.	Description	Date					
<p><b>Plan:</b> 4597 Site Plan (SLP01.dwg)</p> <p><b>Drawn By:</b> MJC</p> <p><b>Checked By:</b> MJC</p> <p><b>Scale:</b> 1" = 10'-0"</p> <p><b>Date:</b> August 2015</p>							
<p><b>Permit Plans:</b></p> <p>State of Rhode Island: <input checked="" type="checkbox"/> <b>PERMIT PLANS</b></p> <p>City of Providence: <input type="checkbox"/></p>							
<p><b>Sheet No.:</b> C3.1</p>							