



Procurement #: 46322>

CITY OF PROVIDENCE, RHODE ISLAND

Department: Department of Public Works

RFP Title: CITY OF PROVIDENCE – 2024, HURRICANE BARRIER STREET GATE REPAIRS

Opening Date: 10/07/2024

Addendum #: 3

Issue Date: 09/25/2024

The purpose of this addendum is to issue changes, revisions, and supplemental information related to the Contract Documents. These changes include replacements and updates to bid forms, specification sections, and drawing sheets, along with responses to bidder questions to provide clarity on project requirements.

Providence City Hall
25 Dorrance Street
Providence, RI 02903



**CITY OF PROVIDENCE - 2024
HURRICANE BARRIER STREET GATE REPAIRS**

ADDENDUM NO. 3

The following changes, revisions and/or supplemental information, as applicable, are hereby issued as ADDENDUM NO. 3 in connection with the Contract Documents (Specifications) issued for the above-referenced project.

1. The Rhode Island Department of Transportation (RIDOT) has confirmed that the Allens Avenue contract work will only require a Utility Permit, not a Physical Alteration Permit (PAP). The correspondence related to the advanced submission of the Transportation Management Plan (TMP) to RIDOT is included as an attachment to this Addendum. Awarded contractor to include TMP Cover letter in RIDOT Utility Permit submission.
2. The Portadam temporary cofferdam system is available for rental only, not for purchase. The City will not have the option to purchase the Portadam temporary cofferdam system from the contractor after construction. The bid documents have been revised to remove the Additive Alternative related to the purchase of the Portadam system.
 - Replace Bid Form, Schedule of Unit Prices, pages 1 through 4 with the attached revised version.
 - Replace specification section 01 25 00 – Measurement and Payment with the attached revised version.
3. Replace Sheet GA102 and GB102 with the acceptable training alternative of proof of certificate of completion from the manufacturer.

RESPONSE TO BIDDER QUESTIONS

1. Response to Question Submitted 9/16/24:

Question Submitted:

“Should the contractor assume that there is lead paint that will require abatement on the 3 hurricane barrier gates? Has any lead testing been performed, or repainting that could lead the contractor to assume no lead is present on some or all of the hurricane barrier gates? Please clarify.”

Response:

In 2019, for the rehabilitation of the canal gates of the Fox Point Hurricane Barrier, testing for the presence of lead in chips of the paint system and corrosion products removed from the canal gates and stop gates was performed in December 2019 by the U.S. Army Corps of Engineers. Results showed the presence of lead in a concentration of 5.93 mg/kg (ppm), or less, for the canal gates, and 50.9 mg/kg (ppm), or less, for the stop gates, which are below the threshold of 5,000 ppm in accordance with 40 CFR 745, Part 103, for a paint to be defined as lead-containing. It is the contractor’s responsibility for testing and proper disposal of all sandblast media. Based on information for similar components of the hurricane barrier system, lead paint is not anticipated to be encountered; however, the contractor should account for the required testing prior to disposal.

DEPARTMENT OF PUBLIC WORKS

700 Allens Avenue Providence, Rhode Island 02905

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**CITY OF PROVIDENCE - 2024
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2. Response to Question Submitted 9/16/24:

Question Submitted:

“A follow up question to Question #14 [of Addendum 1]. Contractor cannot provide pricing for replacement gear and winch system without any details. Can the costs for shop drawing, fabrication, and installation of these components be moved to the Misc. Metal Work, Fabrication, & Concrete Repairs Allowance, Bid Item No. C?”

Response:

The Contractor shall provide the EABW2500SS Stainless Steel Hand Winch with Auto Brake or an approved equivalent that meets a 2500 lb. pulling capacity as described in the product specifications. The Contractor shall provide the replacement winch with the appropriate stainless steel cable lengths as verified when removing the system. The winch to be replaced can be seen in the picture below. Contractor shall budget for 40 LF of cable. Any additional cable shall be carried in the Misc. Metal Work, Fabrication, & Concrete Repairs Allowance, Bid Item No. C



3. Response to Question Submitted 9/16/24:

Question Submitted:

“What is the total quantity of the gear and winch systems associated with both of the Allens Ave Gates?”

Response:

One (1) per each gate at Allens Avenue, total 2.

4. Response to Question Submitted 9/16/24:



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Question Submitted:

“A follow up question to Question #3 [of Addendum 1] regarding material testing. Can the coatings applicator perform the holiday testing, or is an independent testing agency required for this?”

Response:

A third-party holiday testing should be provided.

5. Response to Question Submitted 9/16/24:

Question Submitted:

“Regarding Add Alt 1 that was added for Addendum 1 – is the lump sum cost to purchase the Portadam/flood control system based on the entire width of Allens Ave (both gates) and the entire width of Manchester Street Station gate, or just half of the width of Allens Ave (only one gate) and the entire width of Manchester Street Station gate?”

Response:

Since the Portadam/flood control system is available for rental only, Additive Alternative Item No. 1, which offered the City the option to purchase the system after construction, has been removed from the bid. Please refer to the attached revised Schedule of Unit Prices (Pages 1 through 4) and Specification Section 01 25 00 – Measurement and Payment.

6. Response to Question Submitted 9/16/24:

Question Submitted:

“Addendum 1 New Bid Item 13A calls for a credit per SF of the interior sandblasting and coating not required if deemed necessary by the engineer. Please confirm the SF basis of the interior sandblasting and coating that this credit should be based on. Also please confirm whether the engineer’s direction will be to omit all sandblasting and coating, or whether only certain sections will be omitted and need to be credited.”

Response:

The intent for this credit is that once the inspection openings are completed and determined whether the entire interior area of the gate needed to be sandblasted and coated the square foot area would be based on the nominal gate square footage, 22’W x 17’H or if the upper three (3) panels are not removed but the lower two are, it would only credit the upper ones. See picture below:



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7. Response to Question Submitted 9/19/24:

Question Submitted:

Note 5 on Sheets No. GA102 and GB102 states “Preparations shall be made within the manufacturer/supplier to be on standby if a storm approaches to be ready to mobilize and deploy within 48 hours of the City’s notice.” Portadam cannot guarantee having a representative on site within 48 hours. Portadam recommends that they “provide a technical supervisor to train your crew during a trial installation prior to an emergency event. That training would include installation and removal of the system from start to finish.” Please confirm whether this will be sufficient to satisfy the requirements of Note 5 on Sheets No. GA102 and GB102

Response:

The alternative training, with a written certificate of completion from the manufacturer, is sufficient to satisfy the requirements on Note 5 Sheets No. GA102 and GB102. The training for the system shall occur offsite as the current TMP does not include closure for the temporary system trial installation. The costs for the training shall be inclusive under item number 2: Flood Contingency Material and Storage.

8. Response to Question Submitted 9/19/24:

Question Submitted:

“Please note that the manufacturer will only provide rentals for the Portadam System and are not capable of selling it. Please advise on how we should address Additive Alternate #1 since the purchase of the Portadam System is infeasible.”

Response:

Additive alternative #1 has been removed, see revised attached bid form.

Should you have any questions, please do not hesitate to contact Roger Biron at 401-680-7531.



**CITY OF PROVIDENCE - 2024
HURRICANE BARRIER STREET GATE REPAIRS**

Respectfully,

A handwritten signature in blue ink, reading "Roger C. Biron".

Roger Cardoso Biron
City of Providence
Department of Public Works

Attachments:

1. Schedule of Unit Prices, Pages 1 through 4
2. Specification Section 01 25 00 – Measurement and Payment
3. Plan Sheet GA 102 Emergency Action Plan: Allens Ave
4. Plan Sheet GB 102 Emergency Action Plan: Manchester Street Station
5. TMP Cover Letter Submission to RIDOT

SCHEDULE OF UNIT PRICES

PROVIDENCE, RHODE ISLAND

Unit prices are to be Complete prices to be added on the basis of quantities of work involved, for each item in place in the unit indicated.

<u>Item Code</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Bid Price</u>	<u>Amount</u> <u>(PxQ)</u>
				<u>\$0.00</u>	<u>\$0.00</u>
<u>BASE BID</u>					
1	General Bid Items	1	LS	\$	\$
2	Flood Contingency Materials and Storage	1	LS	\$	\$
3	Allens Ave Mobilization & Demobilization	1	LS	\$	\$
4	Allens Ave Recess Repairs	1	LS	\$	\$
5	Allens Ave Gate Structural Repairs	1	LS	\$	\$
6	Allens Ave "A" Frame Repairs	1	LS	\$	\$
7	Allens Ave Internal Component Repairs	1	LS	\$	\$
8	Allens Ave Hinge Repairs	1	LS	\$	\$
9	Allens Ave Concrete Repair	1	LS	\$	\$

<u>Item Code</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Bid Price</u>	<u>Amount</u> <u>(PxQ)</u>
				<u>\$0.00</u>	<u>\$0.00</u>
10	Allens Ave Rubber Fiber Seal Replacement	1	LS	\$	\$
11	Allens Ave Drain Cleanout	1	LS	\$	\$
12	Manchester Street Station Mobilization & Demobilization	1	LS	\$	\$
13	Manchester Street Station Steel Plate Sandblasting and Coating	1	LS	\$	\$
13A	Credit Steel Plate Sandblasting and Coating omitted on interior (not to be included in A. Subtotal Bid Price)	N/A	SF	\$	\$
14	Manchester Street Station Hinge Repairs	1	LS	\$	\$
15	Manchester Street Station Concrete Repair	1	LS	\$	\$
16	Manchester Street Station Rubber Fiber Seal Replacement	1	LS	\$	\$
17	Manchester Street Station Control Repairs	1	LS	\$	\$

A. SUBTOTAL BID PRICE*

(*Item 13A shall not be included in the total base bid summation.)

\$ _____

B. FLOOD DEPLOYMENT CONTINGENCY ITEMS (AS NEEDED)

B1 Deployment of Flood Contingency Control at Allens Avenue
_____ 2 EA \$ _____ \$ _____

B2 Deployment of Flood Contingency Control at Manchester Street Station
_____ 2 EA \$ _____ \$ _____

SUBTOTAL FLOOD DEPLOYMENT \$ _____

**C. SUBTOTAL MISC. METAL WORK, FABRICATION,
& CONCRETE REPAIRS ALLOWANCE** **\$100,000.00**

D. SUBTOTAL UNIFORMED TRAFFIC CONTROL **\$20,000.00**

E. TOTAL BASE BID (A+B+C+D)* \$ _____
(*Item 13A shall not be included in the total base bid summation.)

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SECTION 01 25 00

MEASUREMENT AND PAYMENT

PART 1 - GENERAL

1.01 ADMINISTRATIVE SUBMITTALS

- A. Application for Payment: In accordance with the General Conditions and as specified herein.
- B. Final Application for Payment: As specified herein.

1.02 APPLICATION FOR PAYMENT

- A. Reference the General Conditions.
- B. Use separate, AIA G702 Application and Certificate for Payment forms for each pay application.
- C. Preparation:
 - 1. List each Change Order and Written Amendment executed prior to date of submission as separate line item.
 - 2. Submit digital copies of AIA G702 Application and Certificate for Payment forms, and such supporting data as may be requested by Owner.

1.03 MEASUREMENT - GENERAL

- A. Reference the General Conditions for additional requirements on Unit Price Work.
- B. All unit prices which are specified for measurement by the linear foot (LF) shall be measured from the beginning to the termination point of the unit being measured.
- C. Measurement and payment for all bid items shall include furnishing all equipment, material, plant, and personnel required for completion of the work in accordance with the contract documents unless otherwise noted.
- D. Units of measure shown on the Bid Form shall be as follows unless specified otherwise.

<u>Item</u>	<u>Method of Measurement</u>
CY	Cubic Yard – Field Measure by Engineer using the Average-End -Area Method to Calculate Volume
EA	Each-Field Count by Owner/Engineer
TON	Ton-Certified Truck Scale
LF	Linear Foot-Field Measure by Engineer
LS	Lump Sum-Unit is one; no measurement will be made.
SF	Square Foot-Field Measured by Engineer
SY	Square Yard-Field Measured by Engineer
AL	Allowances

1.04 PAYMENT

- A. General: Progress payment requests shall be submitted monthly as specified in the General Conditions.
- B. Payment for Lump Sum Work covers all personnel, equipment, materials, and incidentals required to furnish, install and/or complete the Work as specified, indicated, and directed as indicated in the Construction Documents for the following items. Lump Sum Items shall be paid to the Contractor in progress payments based on the percentage of completion of each Lump Sum Item, as determined by the Owner or his representative.
- C. Payment for unit price items covers all personnel, equipment, materials, and incidentals required to furnish, install and/or complete the Work as specified, indicated, and directed as indicated in the Construction Documents for the following items.
- D. Payment for equipment, materials and labor for items not included on the Bid or described in Article PAYMENT, herein, shall be considered incidental and no separate payment will be made.

Bid Item No.	Unit	Title/Description
1	LS	General Bid Item Requirements: Furnish all material, labor, and equipment to furnish, work plans, schedules, meetings, submittals, temporary construction facilities, permits, QC/QA, materials testing (Holiday Test) , closeout documentation, closeout survey, and record/as-built documentation as stated within the Contract Documents.
2	LS	Flood Contingency Materials and Storage: Furnish all material, labor, training, and equipment to purchase/rent, store, and protect flood contingency materials. The contractor is responsible for readily stockpiling the means, materials, design, labor, and equipment required to establish flood controls. Includes design calculations and drawings stamped by a Professional Engineer in the State of Rhode Island for the control of water design.
3	LS	<p>Allens Ave Mobilization & Demobilization: Furnish all material, labor, and equipment and stage on-site: personnel, equipment, and materials to complete all work items stated in the Contract documents; install site signage, traffic controls, and warning signs; install temporary security fencing to secure work areas; erosion controls; prepare the site for construction; establish and maintain access roads; protect site utilities and other facilities to remain; move out personnel, equipment, and unused material; restore and clean portions of the site disturbed by construction and entrances; remove and dispose of signs and security fencing; and remove all debris and rubbish. This item is inclusive of site restoration and loam and seeding for areas disturbed by construction.</p> <p>Total payment under this item shall be less than 10 percent of the total contract amount associated with Allens Avenue.</p> <p>Following mobilization of equipment on site and approval of shop drawings, the Contractor can invoice for 20 percent of this item. Following completion of 50 percent of the work under the Contract, the Contractor may invoice 60 percent (40 percent more) of this item. Following remobilization (if necessary for phased elements), the contractor may invoice up to 80 percent (20 percent more) of this item. Following the completion of all work under this item, the Contractor can invoice the remaining 20 percent of this item.</p>

4	LS	Allens Ave Recess Repairs: Furnish all materials, labor, and equipment to remove, transport, sandblast, complete steel repairs, epoxy coat, reinstall, and operate recessed gate components. This item shall also be inclusive of incidental metal fabrication, welding, and miscellaneous bolts, nuts, and washer replacements. The bolts, nuts, and washers are to be prepared as denoted within the Contract Documents.
5	LS	Allens Ave Gate Structural Repairs: Furnish all materials, labor, and equipment to remove/dispose denoted plates for removal and the sandblasting and epoxy coating off all components of the Allens Ave gate structures. Disassembling of the gate, as necessary, to sand and coat the steel shall be inclusive in this item. Furnish all materials, labor, and equipment to remove/dispose of the existing top WF members, fabricate/construct the replacement WF member with a steel coated cover plate which shall be inclusive of the hardware and welding as shown on the Contract Documents. This item shall include all materials, labor, and equipment to reinstall the top WF members to the hurricane barrier gates. Furnish all materials, labor, and equipment to sandblast, inspect, epoxy paint and reinstall the upper gate hinges.
6	LS	Allens Ave "A" Frame Repairs: Furnish all materials, labor, and equipment to remove/dispose of the existing "A" Frame WF section, fabricate/construct the replacement WF member which shall be inclusive of the hardware and welding as shown on the Contract Documents. This item shall include all materials, labor, and equipment to reinstall members to the hurricane barrier gate.
7	LS	Allens Ave Internal Component Repairs: Furnish all materials, labor, and equipment to remove/dispose of the existing steel panel flaps utilized when the gates are in the closed position to cover the gaps created by the opened recess structures, and the internal winch components. This item shall also be inclusive of all materials, labor, and equipment fabricate/construct/install replacement steel metal flaps and winch components to match the openings as present at each recess location as shown in the Contract Drawings. This item shall be inclusive of all plates, bolts, nuts, washers, hinges, welding, and coating as shown in the Contract Documents.
8	LS	Allens Ave Hinge Repairs: Furnish all materials, labor, and equipment to remove/dispose of the lower hinge shapes, plates, bolts, nuts, washers, and other miscellaneous steel and or metal as shown in the Contract Documents. This item shall also be inclusive of all materials, labor, and equipment to fabricate/construct/reinstall the replacement lower hinge members including any associated bolts, washers, nuts, shapes, and/or welds as shown in the contract documents. The condition of the pin should be evaluated under this item, but any replacement shall be carried under the unforeseen condition allowance.
9	LS	Allens Ave Concrete Repair: Furnish all materials, labor, and equipment to repair the concrete cracking observed throughout the concrete abutment structures. The item is inclusive of three concrete alternative repairs that shall be selected based upon the notes provided in the Contract Documents.
10	LS	Allens Ave Rubber Fiber Seal Replacement: Furnish all materials, labor, and equipment to remove the existing rubber fiber seals, prepare and coat the steel plate surface and install new rubber fiber seals as shown in the Contract Drawings.
11	LS	Allens Ave Drain Cleanout: Furnish all materials, labor, and equipment to clean/unclog the drains between the front and lower recess structures and the connecting catch basin as specified in the Contract Drawings.
12	LS	Manchester Street Station Mobilization & Demobilization: Furnish all material, labor, and equipment and stage on-site: personnel, equipment, and materials to complete all work items stated in the Contract documents; install site signage, traffic controls, and warning signs; install temporary security fencing to secure work areas; prepare the site for construction; establish and maintain access roads; protect site utilities and other facilities to remain; move out personnel, equipment, and unused material; restore and clean portions of the site disturbed by construction and entrances; remove and dispose of signs and security fencing; and remove all debris and rubbish. This item is inclusive of site restoration and loam and seeding for areas disturbed by construction.

		<p>Total payment under this item shall be less than 10 percent of the total contract amount associated with the Manchester Street Station.</p> <p>Following mobilization of equipment on site and approval of shop drawings, the Contractor can invoice for 20 percent of this item. Following completion of 50 percent of the work under the Contract, the Contractor may invoice 60 percent (40 percent more) of this item. Following remobilization (if necessary for phased elements), the contractor may invoice up to 80 percent (20 percent more) of this item. Following the completion of all work under this item, the Contractor can invoice the remaining 20 percent of this item.</p>
13	LS	<p>Manchester Street Station Steel Plate Sandblasting and Coating: Furnish all materials, labor, and equipment to sandblasting and epoxy coating off all components of the Manchester Street Station gate structure as shown in the Contract Drawings. Disassembling of the gate, as necessary, to sand and coat the steel shall be inclusive in this item.</p>
13A	SF	<p>Manchester Street Station Steel Plate Credit Sandblasting and Coating Omitting Interior: The credit provided to the City pending the interior inspection, by the Engineer, of the gate from the coupons specified to be cut. In the case the interior sandblasting and coating is not required a credit shall be applied, to the City, to furnish all materials, labor, and equipment no longer required to sandblasting and epoxy coating off all interior steel. This credit will be calculated by multiplying the omitted area by the specified per square foot credit amount</p>
14	LS	<p>Manchester Street Station Hinge Repairs: Furnish all materials, labor, and equipment to remove and inspect the components of the hinge and replace the deformed steel plate. Any findings during the inspection to indicate the replacement of the hinge system shall be carried under the Unforeseen Conditions Allowance.</p>
15	LS	<p>Manchester Street Station Concrete Repair: Furnish all materials, labor, and equipment to repair the concrete cracking observed throughout the concrete abutment structures. The item is inclusive of four concrete alternative repairs that shall be selected based upon the notes provided in the Contract Documents.</p>
16	LS	<p>Manchester Street Station Rubber Fiber Seal Replacement: Furnish all materials, labor, and equipment to remove the existing rubber west abutment fiber seal, prepare and coat the steel plate surface and install new rubber fiber seals as shown in the Contract Drawings.</p>
17	LS	<p>Manchester Street Station Control Repairs: Furnish all materials, labor, and equipment to install a ladder, operation platform, and fall protection anchor hook up. This item shall also be inclusive of all concrete preparation. Grouted anchors, nuts, bolts, washers, and other miscellaneous members as shown in the Contract documents or as indicated in the Manufacturers Recommendations for any approved products submitted.</p> <p>Furnish all materials, labor, and equipment to remove/dispose of the existing close hook, fabricate/construct the replacement reinforced Closure hooks as shown on the Contract Documents. Material, labor, and equipment required to fabricate as shown in the Contract Documents shall be included in this item.</p>

FLOOD DEPLOYMENT CONTINGENCY ITEMS

Bid Item No.	Unit	Title/Description
B1	EA	Allens Ave Flood Contingency Deployment: Furnish all material, labor, and equipment to deploy, maintain, and remove flood contingency cofferdams.
B2	EA	Manchester Street Station Flood Contingency Deploy: Furnish all material, labor, and equipment to deploy, maintain, and remove flood contingency cofferdams.

ALLOWANCES

Bid Item No.	Unit	Title/Description
C.	AL	Miscellaneous Metal Work, Fabrication, and Concrete Repairs: The allowance for the unforeseen field conditions, as indicated in the Contract Documents, shall only be billed against after the written approval/direction of the Owner/Engineer. See above select items with indicated inspections that may result in the billing against this item pending the Engineer field verified condition.
D.	AL	Uniformed Traffic Control Allowance: The allowance for the use of off-duty City of Providence Police Officers ("detail officers"), as deemed necessary by the Owner. The City of Providence Police Department will bill the Owner directly for detail officer services.

1.05 NONPAYMENT FOR REJECTED OR UNUSED PRODUCTS

- A. Payment will not be made for following:
1. Loading, hauling, and disposing of rejected material.
 2. Quantities of material wasted or disposed of in manner not called for under the Contract Documents.
 3. Rejected loads of material, including material rejected after it has been placed by Contractor.
 4. Material not unloaded from transporting vehicle.
 5. Defective Work not accepted by the Engineer.
 6. Material remaining on hand after completion of Work.

1.06 PARTIAL PAYMENT FOR STORED MATERIALS AND EQUIPMENT

- A. Final Payment: Will be made only for materials incorporated into the Work in the Contract; no partial payments shall be made for equipment or materials delivered to the site but not used.

1.07 FINAL APPLICATION FOR PAYMENT

- A. Reference the General Conditions, and as may otherwise be required in the Contract Documents.
- B. Prior to submitting final application, make acceptable delivery of required documents.

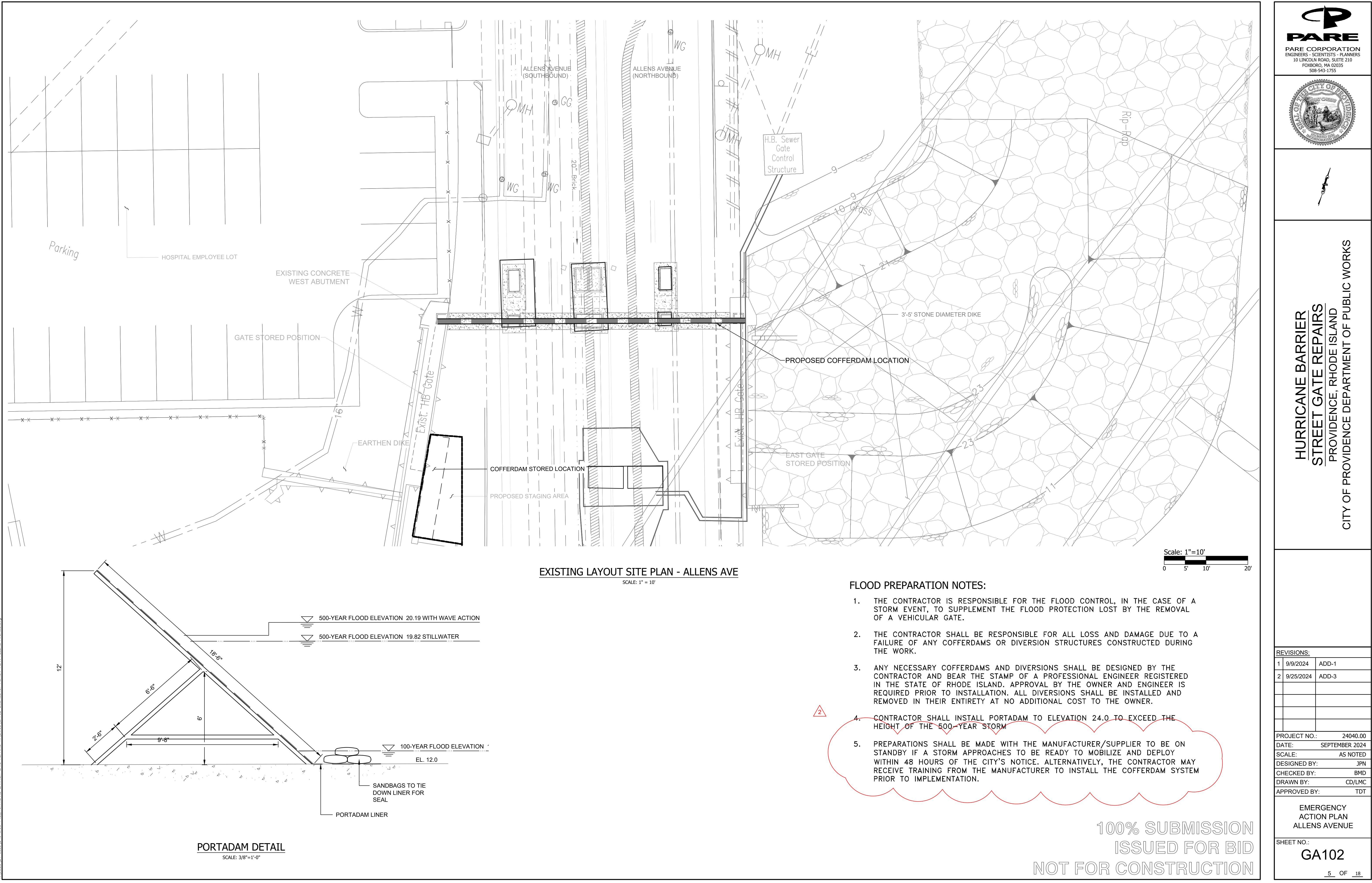
PART 2 - PRODUCTS

Not Used

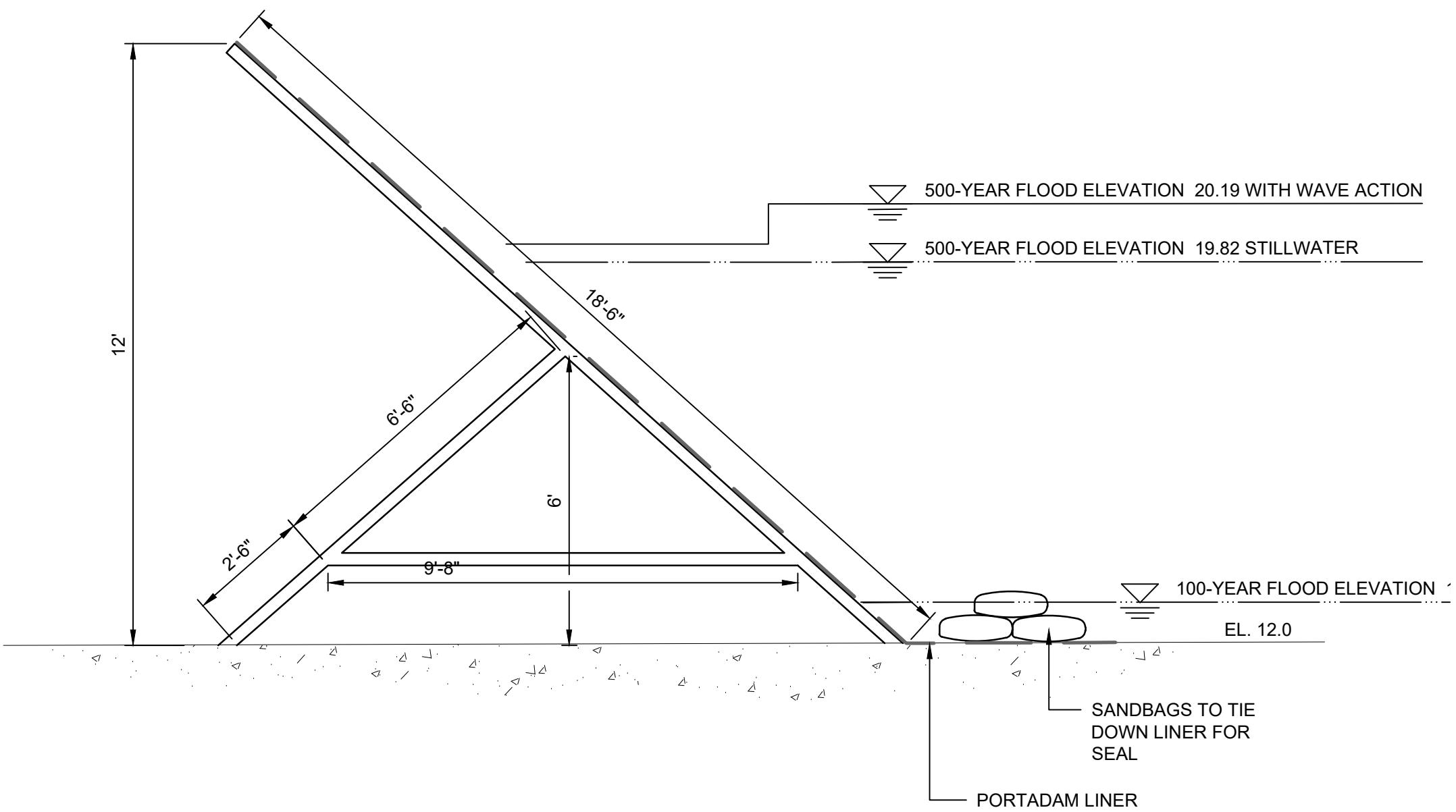
PART 3 - EXECUTION

Not Used

END OF SECTION



EXISTING LAYOUT SITE PLAN - ALLENS AVE
SCALE: 1" = 10'

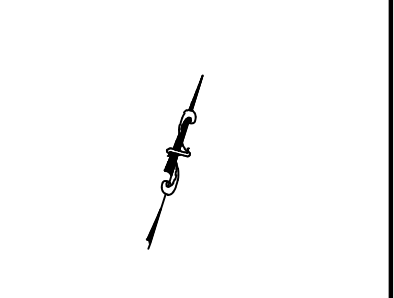
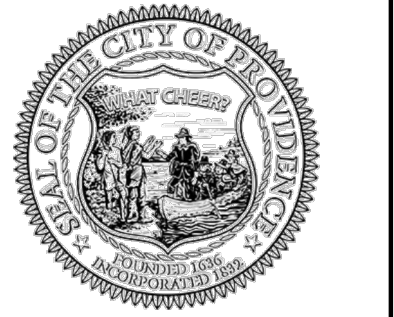


PORTADAM DETAIL
SCALE: 3/8"=1'-0"

FLOOD PREPARATION NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE FLOOD CONTROL, IN THE CASE OF A STORM EVENT, TO SUPPLEMENT THE FLOOD PROTECTION LOST BY THE REMOVAL OF A VEHICULAR GATE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LOSS AND DAMAGE DUE TO A FAILURE OF ANY COFFERDAMS OR DIVERSION STRUCTURES CONSTRUCTED DURING THE WORK.
3. ANY NECESSARY COFFERDAMS AND DIVERSIONS SHALL BE DESIGNED BY THE CONTRACTOR AND BEAR THE STAMP OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF RHODE ISLAND. APPROVAL BY THE OWNER AND ENGINEER IS REQUIRED PRIOR TO INSTALLATION. ALL DIVERSIONS SHALL BE INSTALLED AND REMOVED IN THEIR ENTIRETY AT NO ADDITIONAL COST TO THE OWNER.
4. CONTRACTOR SHALL INSTALL PORTADAM TO ELEVATION 24.0 TO EXCEED THE HEIGHT OF THE 500-YEAR STORM
5. PREPARATIONS SHALL BE MADE WITH THE MANUFACTURER/SUPPLIER TO BE ON STANDBY IF A STORM APPROACHES TO BE READY TO MOBILIZE AND DEPLOY WITHIN 48 HOURS OF THE CITY'S NOTICE. ALTERNATIVELY, THE CONTRACTOR MAY RECEIVE TRAINING FROM THE MANUFACTURER TO INSTALL THE COFFERDAM SYSTEM PRIOR TO IMPLEMENTATION.

100% SUBMISSION
ISSUED FOR BID
NOT FOR CONSTRUCTION

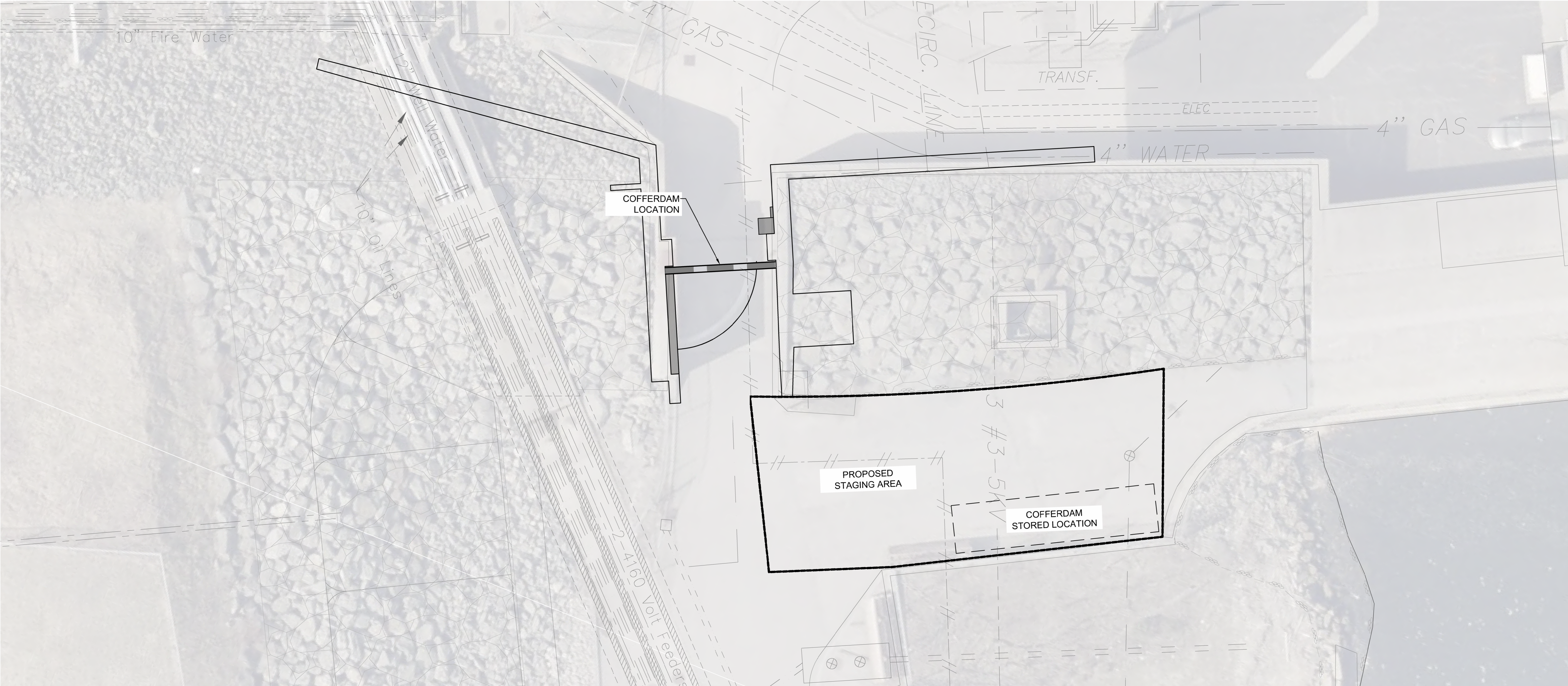


HURRICANE BARRIER
STREET GATE REPAIRS
PROVIDENCE, RHODE ISLAND
CITY OF PROVIDENCE DEPARTMENT OF PUBLIC WORKS

REVISIONS:		
1	9/9/2024	ADD-1
2	9/25/2024	ADD-3

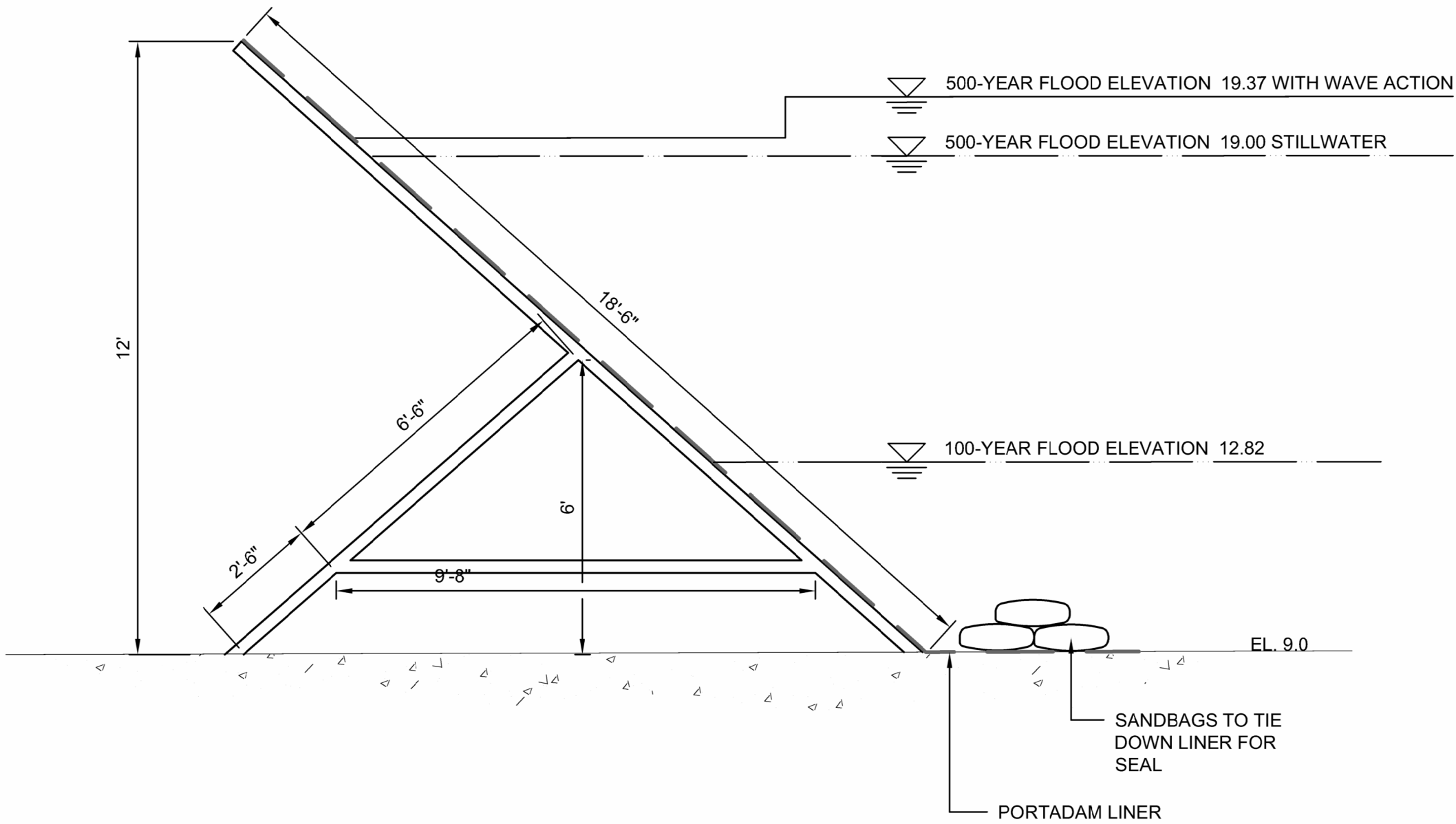
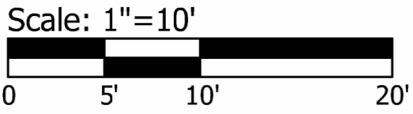
PROJECT NO.:	24040.00
DATE:	SEPTEMBER 2024
SCALE:	AS NOTED
DESIGNED BY:	JPN
CHECKED BY:	BMD
DRAWN BY:	CD/LMC
APPROVED BY:	TDT

EMERGENCY
ACTION PLAN
ALLENS AVENUE



EXISTING SITE PLAN - MANCHESTER STREET STATION

SCALE: 1" = 10'



PORTADAM DETAIL

SCALE: 3/8"=1'-0"

FLOOD PREPARATION NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE FLOOD CONTROL, IN THE CASE OF A STORM EVENT, TO SUPPLEMENT THE FLOOD PROTECTION LOST BY THE REMOVAL OF A VEHICULAR GATE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LOSS AND DAMAGE DUE TO A FAILURE OF ANY COFFERDAMS OR DIVERSION STRUCTURES CONSTRUCTED DURING THE WORK.
3. ANY NECESSARY COFFERDAMS AND DIVERSIONS SHALL BE DESIGNED BY THE CONTRACTOR AND BEAR THE STAMP OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF RHODE ISLAND. APPROVAL BY THE OWNER AND ENGINEER IS REQUIRED PRIOR TO INSTALLATION. ALL DIVERSIONS SHALL BE INSTALLED AND REMOVED IN THEIR ENTIRETY AT NO ADDITIONAL COST TO THE OWNER.
4. CONTRACTOR SHALL INSTALL PORTADAM TO ELEVATION 21.0 TO EXCEED THE HEIGHT OF 500-YEAR STORM.
5. PREPARATIONS SHALL BE MADE WITH THE MANUFACTURER/SUPPLIER TO BE ON STANDBY IF A STORM APPROACHES TO BE READY TO MOBILIZE AND DEPLOY WITHIN 48 HOURS OF THE CITY'S NOTICE. ALTERNATIVELY, THE CONTRACTOR MAY RECEIVE TRAINING FROM THE MANUFACTURER TO INSTALL THE COFFERDAM SYSTEM PRIOR TO IMPLEMENTATION.

100% SUBMISSION
ISSUED FOR BID
NOT FOR CONSTRUCTION



HURRICANE BARRIER
STREET GATE REPAIRS
PROVIDENCE, RHODE ISLAND
CITY OF PROVIDENCE DEPARTMENT OF PUBLIC WORKS

REVISIONS:

1	9/9/2024	ADD-1
2	9/25/2024	ADD-3

PROJECT NO.:	24040.00
DATE:	SEPTEMBER 2024
SCALE:	AS NOTED
DESIGNED BY:	JPN
CHECKED BY:	BMD
DRAWN BY:	CD/LMC
APPROVED BY:	TDT

EMERGENCY
ACTION PLAN
MANCHESTER
STREET STATION

SHEET NO.:

GB102

September 25, 2024

Kyle P. Gagnon, PE
RI Department of Transportation
Office of Engineering & Permitting
2 Capitol Hill
Providence, RI 02903

**RE: Submission of Traffic Management Plan
RI Department of Transportation
Providence, RI
Hurricane Barrier Street Gate Repairs
Pare Project No: 24040.00**

Dear Mr. Gagnon:

On behalf of our client, the City of Providence Department of Public Works, and following a meeting discussion between RIDOT and Pare Corporation on September 17th, 2024, the selected Contractor for the Hurricane Street Barrier Repairs will be submitting a utility permit to remove, the gates as seen below, that span Allens Ave in Providence, Rhode Island. The provided Traffic Management Plans, TMP, are an advanced copy of what is to be implemented during the removal and installation of the gates at the Allens Avenue location.



Enclosed for your review are the following materials:

- Sheets X-101 through X-104 (4 total) Temporary Traffic Control Plans for the Hurricane Barrier Street Repairs

Mr. Kyle P. Gagnon

(2)

September 25, 2024

Please feel free to contact the undersigned at 401-334-4100 or via email at tturcotte@parecorp.com if you have any questions, comments, or require additional information.

Best regards,

A handwritten signature in blue ink, appearing to read 'Todd D. Turcotte', is shown within a light gray rectangular box.

Todd D. Turcotte, PE
Vice President
Waterfront/Marine Group Manager

Attachments

cc: Roger Biron, City of Providence DPW
Brian Dutra, Pare
Derek Hug, Pre

"Y:\JOBS\24 Jobs\24040.00 PVD_HURRICANE BARRIER GATE REPAIRS-RI\Bid Phase\ADD 3\24040.00 TMP Cover Letter.doc"

NOTES:

- ALL SIDEWALKS SHALL REMAIN OPEN AT ALL TIMES EXCEPT WHEN THE SIDEWALK REPLACEMENT OPERATION REQUIRES THEIR CLOSURE.
- WHILE ONSITE, THE CONTRACTOR SHALL ALLOW FOR SAFE PEDESTRIAN PASSAGE THROUGH THE WORK SPACE AT ALL TIMES DURING THE WORK. A TRAFFIC PERSON MUST BE PROVIDED TO ASSIST AND SAFELY GUIDE PEDESTRIANS THROUGH THE WORK SPACE WHEN THE WORK RESTRICTS OR BLOCKS PEDESTRIANS FROM USING THE EXISTING SIDEWALKS AND OTHER EXISTING PEDESTRIAN WALKWAYS.
- THE PVC PLASTIC PIPE BARRICADE SHALL BE EQUIPPED WITH TYPE A WARNING LIGHTS IN ACCORDANCE WITH SECTION 6F.83 OF THE MOST RECENT EDITION OF THE MUTCD, INCLUDING ALL REVISIONS AND ADDENDA.
- ALL TEMPORARY TRAFFIC CONTROL SET-UPS AND DEVICES AND THEIR INSTALLATION, MAINTENANCE, AND REMOVAL SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) WITH ALL REVISIONS, AND THE LATEST EDITION OF THE "RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" WITH ALL REVISIONS.
- ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF WORK.
- ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED. WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TEMPORARY TRAFFIC CONTROL DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.
- DISTANCES ARE A GUIDE AND MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.
- MINIMUM LANE WIDTH IS TO BE 11 FEET UNLESS OTHERWISE SHOWN. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF THE CHANNELIZATION DEVICES.
- ACCESS TO ALL BUSINESSES AND RESIDENTIAL DRIVEWAYS WITHIN THE WORK AREA SHALL BE MAINTAINED AT ALL TIMES.
- TEMPORARY CONSTRUCTION SIGNS SHALL BE PLACED BEHIND THE BACK OF SIDEWALK, OR BEHIND THE EDGE OF PAVEMENT WHERE THERE IS NO SIDEWALK. THE CONTRACTOR SHALL ENSURE THAT A 36" UNOBSTRUCTED MINIMUM CLEARANCE IS PROVIDED AT ALL TIMES AT SIDEWALKS OPEN TO PEDESTRIANS. WHERE THERE IS INSUFFICIENT WIDTH, THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER TO PROVIDE MOUNTED SIGNS WITH THE BOTTOM OF THE SIGN OVERHANG NO LESS THAN 84" HIGH IN ORDER TO MEET ADA STANDARDS.
- TEMPORARY CONSTRUCTION ADVANCED WARNING SIGNS POSTED ON MINOR ROADS INTERSECTING STREETS SHOWN IN THE "TYPICAL CLOSURE AT SIDE OF "T" INTERSECTION" DETAIL, MAY BE PLACED 100 FT APART.
- WHERE A SIDE STREET OR RAMP INTERSECTS THE WORK ZONE, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDRANC EWITH PART 6 OF THE MUTCD.
- THE LONGITUDINAL CHANNELING DEVICES SHALL BE POSITIONED SUCH THAT THERE ARE NO GAPS ACROSS THE ENTIRE WIDTH OF THE SIDEWALK.
- THE LONGITUDINAL CHANNELING DEVICES USED FOR THE SIDEWALK CLOSURE SHALL HAVE A DETECTABLE EDGE IN ACCORDANCE WITH SECTION 6F.74 OF THE MOST RECENT EDITION OF THE MUTCD, INCLUDING ALL REVISIONS AND ADDENDA.
- THE CONTRACTOR SHALL PROVIDE NECESSARY ACCESS FOR FIRE APPARATUS AND OTHER EMERGENCY VEHICLE THROUGH THE WORK ZONE AT ALL TIMES.
- RHODE ISLAND HOSPITAL EMPLOYEE LOT E-2 ALLENS AVENUE ENTRANCE/EXIT SHALL BE CLOSED. EMPLOYEE LOT E-2 EDDY STREET ENTRANCE/EXIT SHALL REMAIN OPEN AT ALL TIMES.
- COLLIER POINT PARK ENTRANCE/EXIT SHALL REMAIN OPEN AT ALL TIMES.

RIDOT LEGEND:

- BARRELS 40" SPACING R.I. STD. 26.2.0
- 🚧 FLAGPERSON/POLICE OFFICER
- 🟡 FLUORESCENT TRAFFIC CONE R.I. STD. 26.1.0
- 🚧 PLASTIC PIPE BARRICADE R.I. STD. 26.3.0
- ➡ DIRECTION OF TRAFFIC
- 🚧 TEMPORARY SIGN
- 🚧 WORK ZONE
- 🚧 TRUCK WITH ARROW AND ATTENUATOR
- ➡ ARROW PANEL
- 🚧 TEMPORARY 6' CHAIN LINK FENCE, R.I. STD. 31.2.0
- 🚧 TEMPORARY IMPACT ATTENUATOR
- 🚧 TEMPORARY MEDIAN BARRIER R.I. STD. 40.5.0
- 🚧 PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

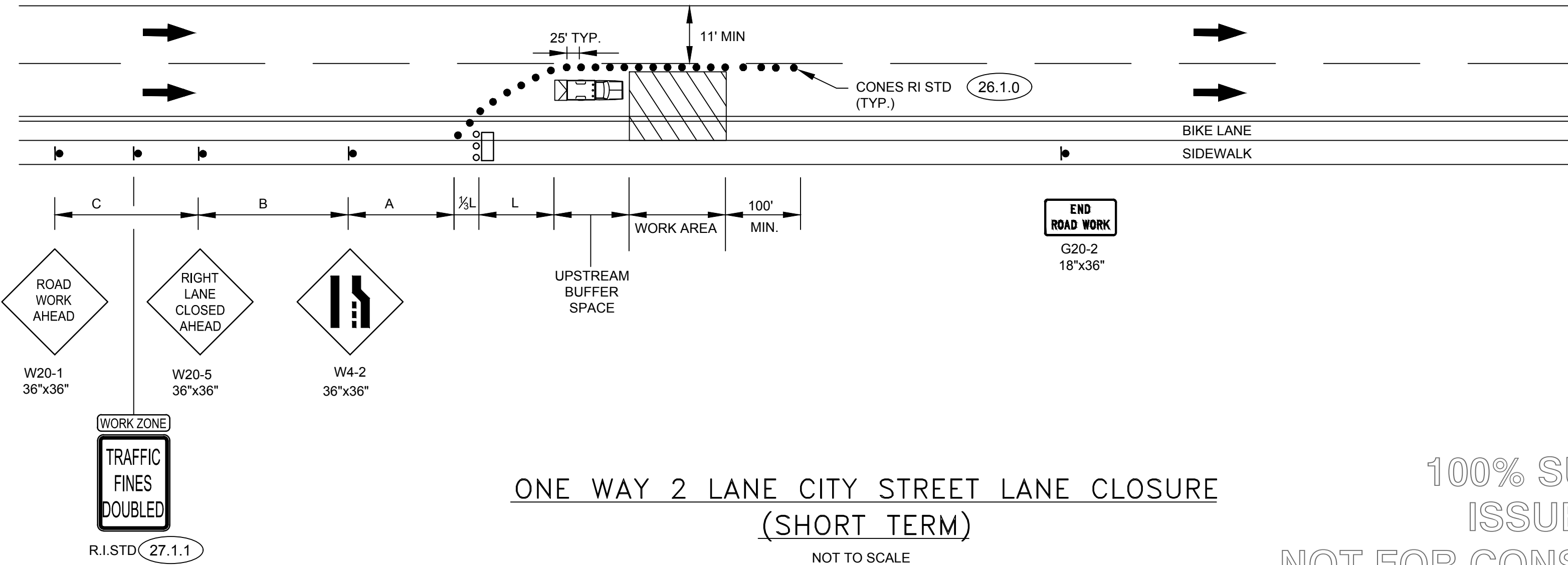
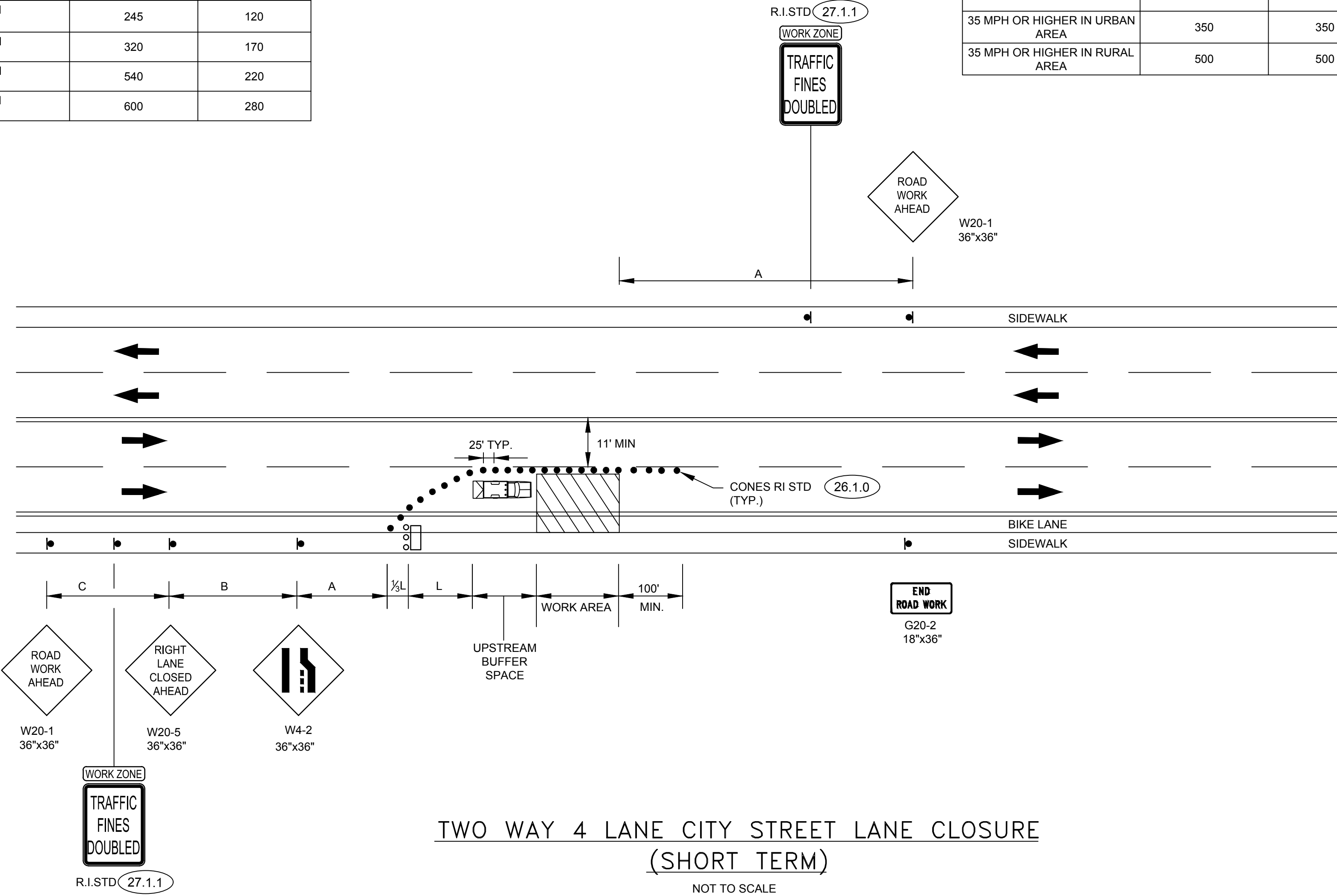
TAPER AND BUFFER LENGTHS		
SPEED LIMIT	TAPER LENGTH * (L) (FEET)	BUFFER SPACE ** (FEET)
25 MPH	125	55
30 MPH	180	85
35 MPH	245	120
40 MPH	320	170
45 MPH	540	220
50 MPH	600	280

* REQUIRED

** SUGGESTED

SPEED (S)	TAPER LENGTH (L) IN FEET
40 MPH OR LESS	$L = WS^2/60$
45 MPH OR MORE	$L = WS$

MINIMUM ADVANCE WARNING SIGN SPACING			
POSTED SPEED LIMIT & LOCATION	DISTANCE BETWEEN SIGNS (FEET)		
	A	B	C
30 MPH OR LESS IN URBAN OR RURAL AREA	100	100	100
35 MPH OR HIGHER IN URBAN AREA	350	350	350
35 MPH OR HIGHER IN RURAL AREA	500	500	500



100% SUBMISSION
ISSUED FOR BID
NOT FOR CONSTRUCTION

REVISIONS:

1 9/9/2024 ADD-1

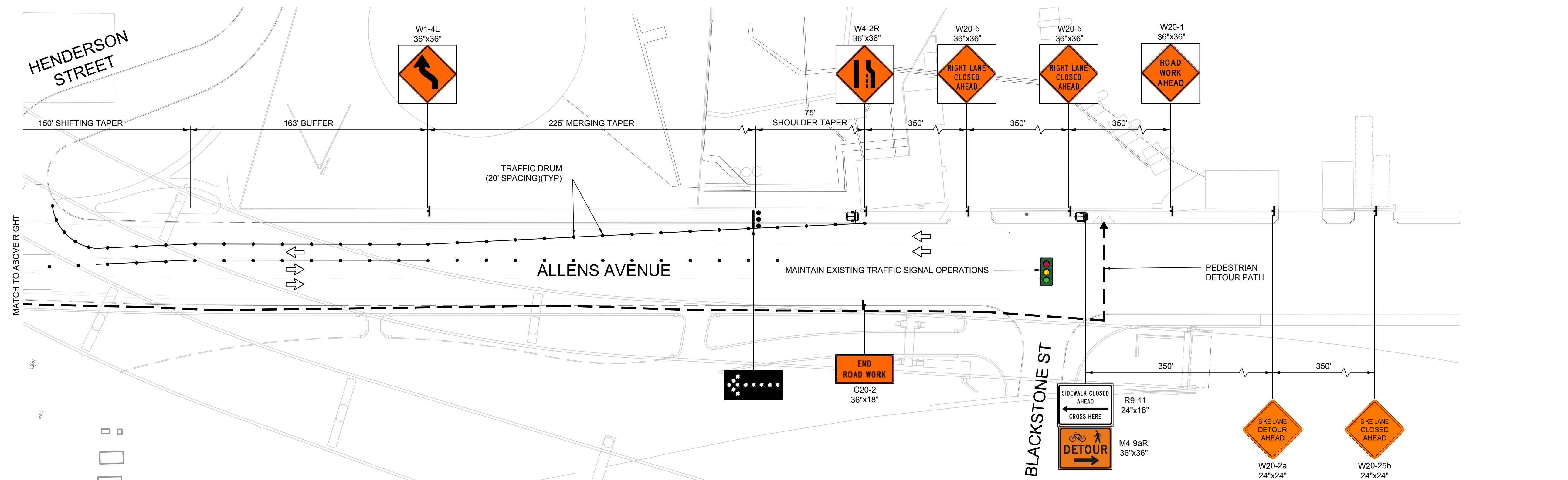
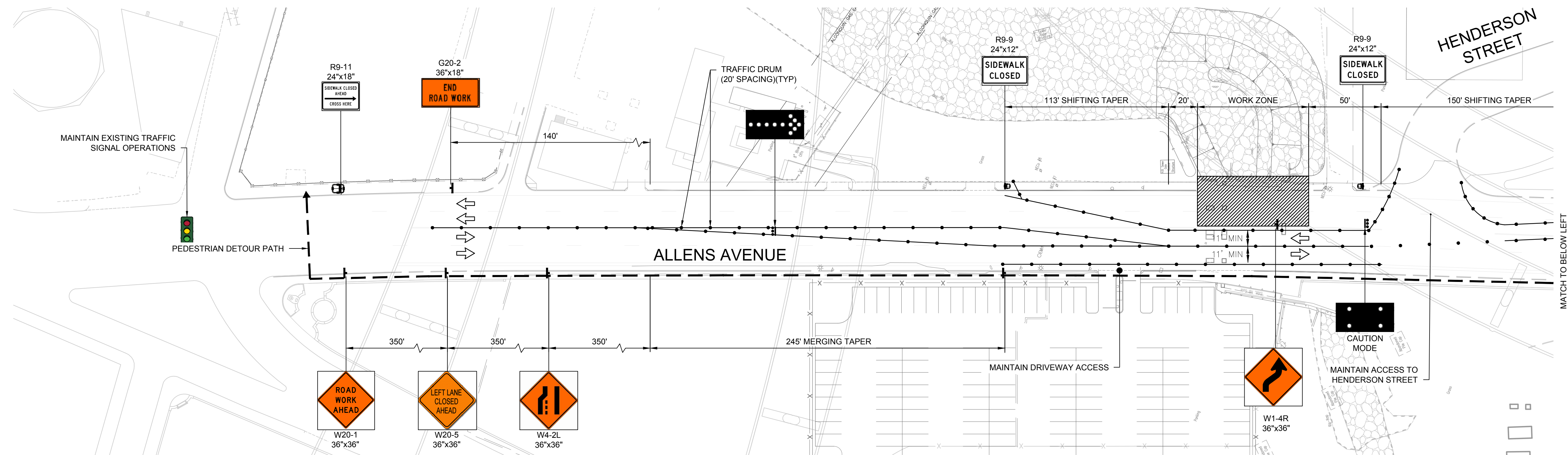
PROJECT NO.: 24040.00
DATE: SEPTEMBER 2024
SCALE: AS NOTED
DESIGNED BY: HM
CHECKED BY: DLH
DRAWN BY: AWB
APPROVED BY: DLH

TEMPORARY TRAFFIC
CONTROL PLAN NO. 1

SHEET NO.:

X-101

15 OF 18



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ARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
10 LINCOLN ROAD, SUITE 210
FOXBORO, MA 02035
508-543-1755



HURRICANE BARRIER
STREET GATE REPAIRS
PROVIDENCE, RHODE ISLAND
CITY OF PROVIDENCE DEPARTMENT OF PUBLIC WORKS

REVISIONS:		
1	9/9/2024	ADD-1

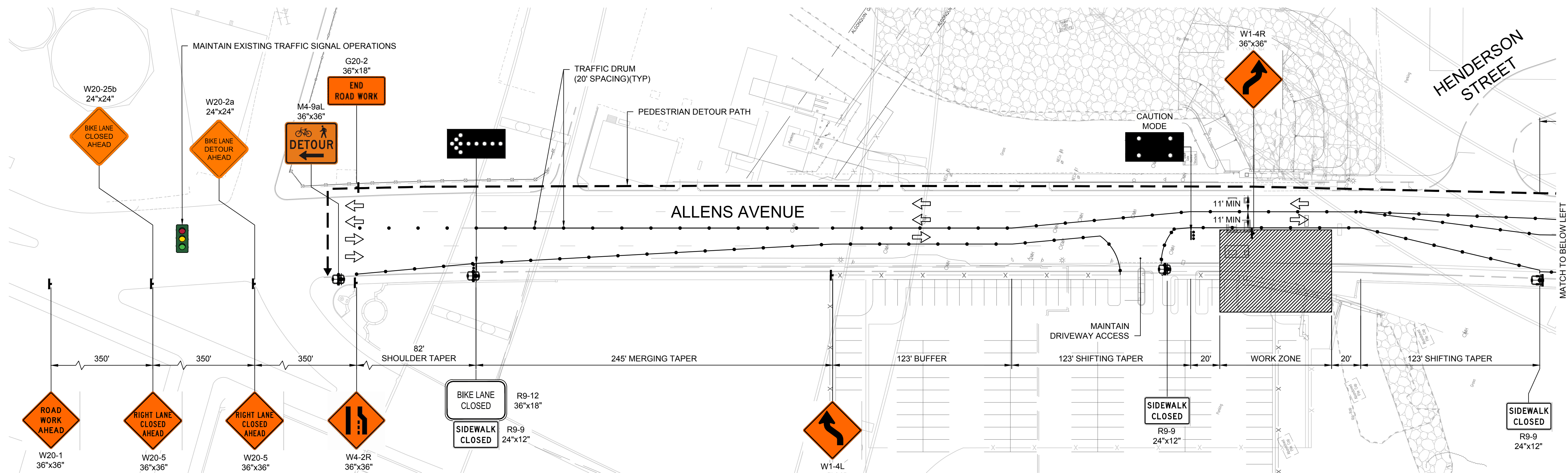
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DATE:	SEPTEMBER 2024
SCALE:	AS NOTED
DESIGNED BY:	HM
CHECKED BY:	DLH
DRAWN BY:	AWB
APPROVED BY:	DLH

TEMPORARY
TRAFFIC CONTROL
PLAN NO. 2

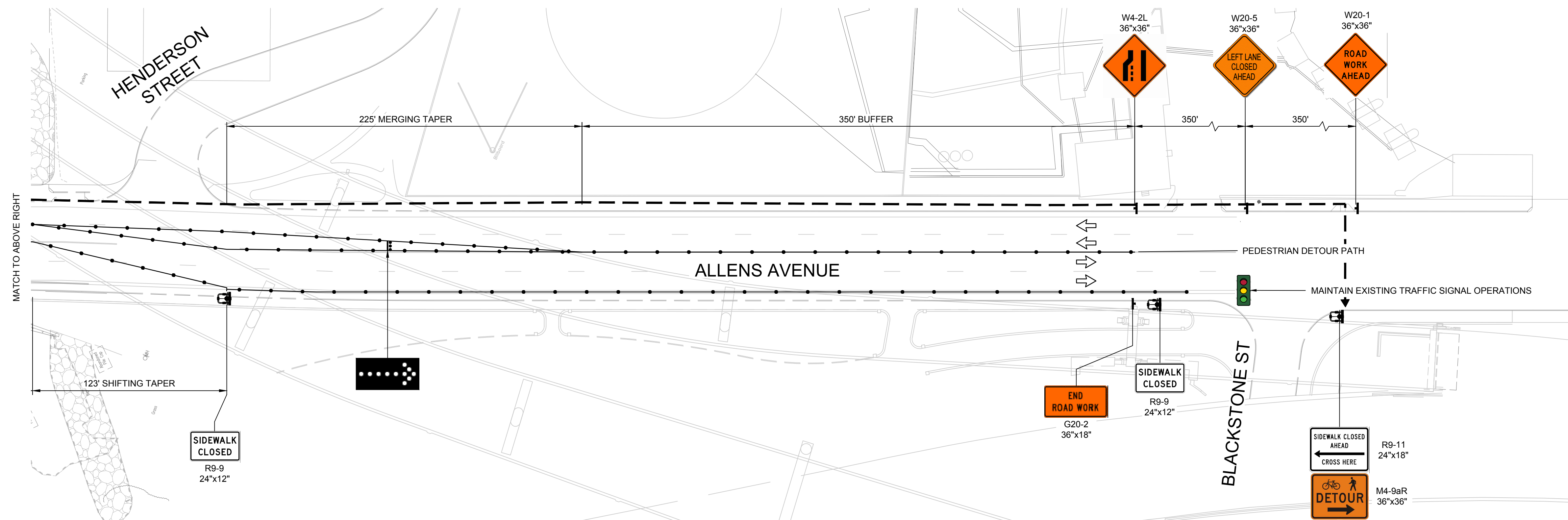
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X-102

Y:\0825\24 Jobs\24040.00 PWD-HURRICANE BARRIER GATE REPAIRS-ANIMAGES\1-103 TEMPORARY TRAFFIC CONTROL PLAN NO. 3.mxd



SB LANE CLOSURE PLAN 2A - ALLENS AVENUE
SCALE: 1" = 40'



SB LANE CLOSURE PLAN 2B - ALLENS AVENUE
SCALE: 1" = 40'

Scale: 1"=40'
0 20' 40' 80'

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REVISIONS:

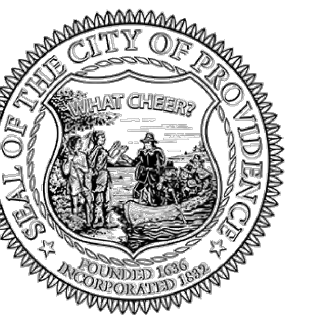
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DATE:	SEPTEMBER 2024
SCALE:	AS NOTED
DESIGNED BY:	HM
CHECKED BY:	DLH
DRAWN BY:	AWB
APPROVED BY:	DLH

TEMPORARY
TRAFFIC CONTROL
PLAN NO. 3

SHEET NO.:

X-103



HURRICANE BARRIER
STREET GATE REPAIRS
PROVIDENCE, RHODE ISLAND
CITY OF PROVIDENCE DEPARTMENT OF PUBLIC WORKS

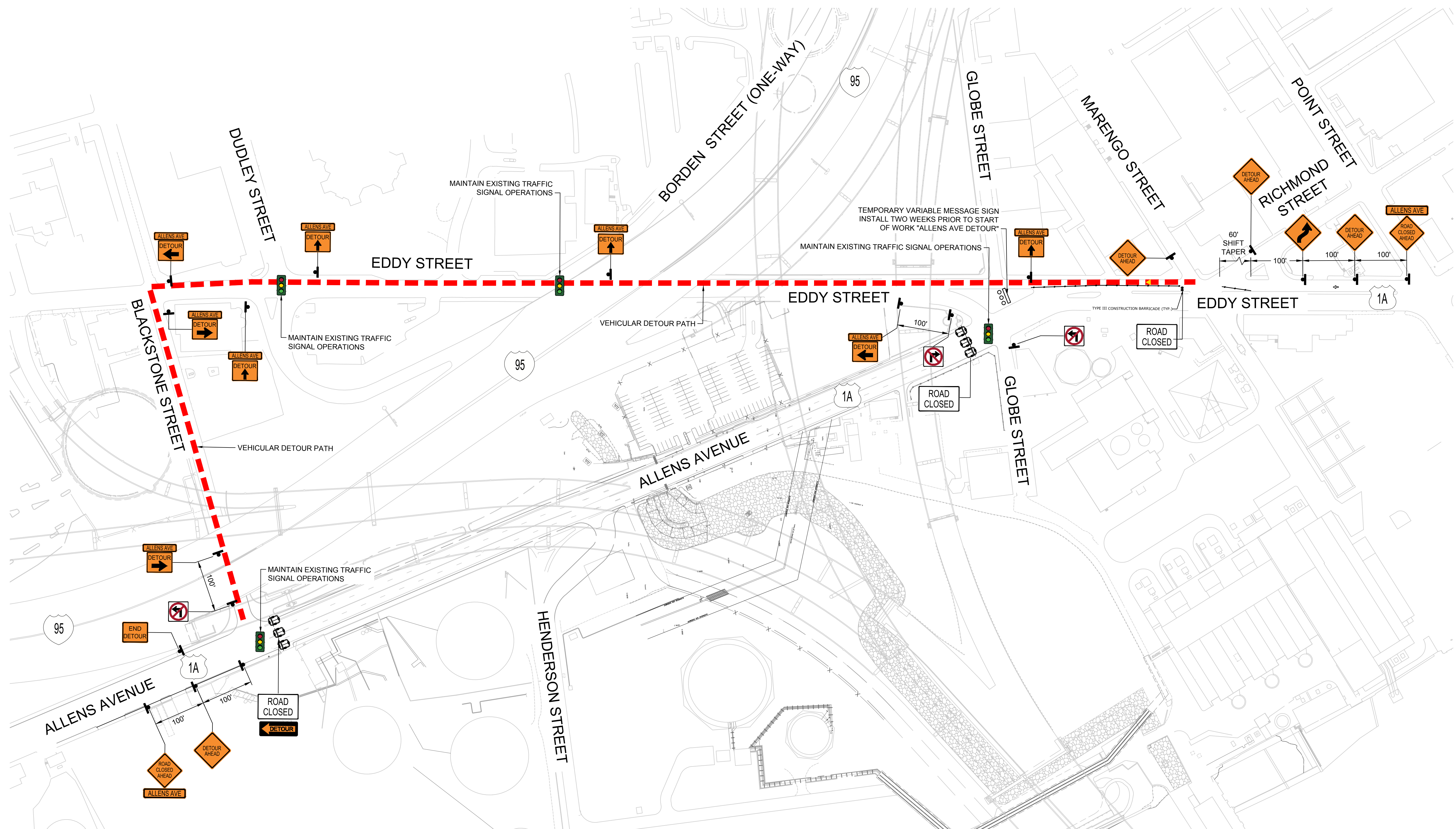
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PROJECT NO.:		24040.00
DATE:		SEPTEMBER 2024
SCALE:		AS NOTED
DESIGNED BY:		HM
CHECKED BY:		HM
DRAWN BY:		AWB
APPROVED BY:		KMD

TEMPORARY
TRAFFIC CONTROL
PLAN NO. 4

SHEET NO.: _____


X-104

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DETOUR PLAN - ALLENS AVENUE

Scale: 1"=100'



A horizontal scale bar with alternating black and white segments. The segments are labeled 0, 50', 100', and 200' at the bottom. The bar is divided into four equal segments, each representing 50 feet.

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\\JOBS\24 Jobs\24040.00 PVD_HURRICANE BARRIER GATE REPAIRS-R\DWGS\X-104 TEMPORARY TRAFFIC CONTROL PLAN NO. 4.dwg