

CITY OF PORTSMOUTH, NEW HAMPSHIRE
ADDENDUM NO. 2
To
PEIRCE ISLAND ROAD RESILIENCY PROJECT
BID NO. 08-24



The following changes and additional information are hereby made part of the Contract Documents.

ANNOUNCEMENTS:

1. A mandatory pre-bid meeting was held on Wednesday February 14, 2024 at 10:00 am at the Portsmouth Department of Public Works followed by a site tour of Peirce Island. Meeting minutes, a copy of the presentation, and a list of attendees are provided as Exhibit 1 to this Addendum.
2. For a brief period of time, the incorrect drawings were posted on the City of Portsmouth portal. Bidders are encouraged to confirm that they are referring to the correct drawings dated January 26th, 2024 while preparing their bid.
3. An installation detail for the Educational Signage referenced on Sheet 00 C-004 SITE PLAN is attached to this addendum. Details related to the size and content of the Educational Signage are included below and attached.
4. Test pits were conducted on February 22nd, 2024. Based on the 4 test pits evaluated, excessive amounts of loam, clay, muck, organics are not expected to be encountered. The existing subgrade material appears to be compacted broken ledge with gravel. Photos of the test pits and their respective locations are shown in Exhibit 2.

SPECIFICATIONS:

SECTION 00020 – INVITATION TO BID

1. Page 00020-2. In the first paragraph, delete "151" and replace it with "78".

SECTION 00200 – INSTRUCTIONS TO BIDDERS FOR CONSTRUCTION CONTRACTS

1. Page 00200-7. In Article 9 – Contract Times, delete "151" and replace it with "78".
2. Page 00200-7. In Article 9 – Contract Times, delete "263" and replace it with "190".

SECTION 00200 – INSTRUCTIONS TO BIDDERS FOR CONSTRUCTION CONTRACTS

1. Page 00200-5. Add the following Paragraph 4.09:

"By June 15th, 2024, both lanes of Peirce Island Road shall have a minimum of binder course final pavement with smooth transitions at either end of the project limits. The parking area shall be graded, safe, and able to support parking requirements at a minimum for the duration of the summer until work resumes following September 2nd, 2024."

SECTION 00301 – BID (UNIT PRICE)

1. Delete Section 00301 - BID (UNIT PRICE) and replace with attached amended Section 00301 - BID (UNIT PRICE).

SECTION 00520 – AGREEMENT

1. Page 00520-2. In Paragraph 4.02.A, delete “151” and replace it with “78”.
2. Page 00520-2. In Paragraph 4.02.A, delete “263” and replace it with “190”.
3. Page 00520-2. Add the following after the last sentence of Paragraph 4.02.A:

“By June 15th, 2024, both lanes of Peirce Island Road shall have a minimum of binder course final pavement with smooth transitions at either end of the project limits. The parking area shall be graded, safe, and able to support parking requirements at a minimum for the duration of the summer until work resumes following September 2nd, 2024.”

SECTION 01010 – SUMMARY OF WORK

1. Page 01010-3. Add the following after the last sentence of Paragraph 1.06.A.3:

“By June 15th, 2024, both lanes of Peirce Island Road shall have a minimum of binder course final pavement with smooth transitions at either end of the project limits. The parking area shall be graded, safe, and able to support parking requirements at a minimum for the duration of the summer until work resumes following September 2nd, 2024.”

2. Page 01010-4. In PART 2 PRODUCTS, delete “(Not Used)” and replace with the following:

“2.01 EDUCATIONAL SIGN.

A. Educational Sign: Provide an outdoor educational sign at the project site as shown on the plans. An electronic version of the sign will be provided to Contractor (see Exhibit 1).

B. Sign Vendor:

Fossil Graphics
44 W Jefryn Blvd
Deer Park, NY 11729

C. Size and thickness: Sign size should be 2'-3" W x 2'-0.9" H. Sign thickness should be ½" Custom High Pressure Laminate (CHPL) Panel.

D. Materials:

1. Sign: Custom High Pressure Laminate (CHPL) suitable for outdoor installation
2. Single 3" x 3" Black Powder Coated Aluminum Post and 12" x 12" x 3/16" Plate.
3. In-Ground Mount.

4. (4) 316 Stainless Steel Threaded Inserts w/ 316 Stainless Steel Tamper Resistant Bolts.

E. Submit shop drawing per Section 01300 including 8" x 10" x 1/10" color sample.

F. Install per manufacturer's recommendations and in accordance with the installation details shown on the plans."

3. Following Page 01010-5, insert the attached document titled "Attachment 1 - Peirce Island Road - Educational Sign":

SECTION 01150 – 01150 - MEASUREMENT AND PAYMENT

1. Delete Section 01150 - MEASUREMENT AND PAYMENT and replace with attached amended 01150 - MEASUREMENT AND PAYMENT.

DRAWINGS:

SHEET 00 C-002 EXISTING CONDITIONS AND DEMOLITION PLAN

1. Delete the note in quadrant D-3 of the drawing that says "EXISTING PAVEMENT TO BE RECLAIMED. SEE NOTE 3" on Sheet 00 C-002, and replace it with "EXISTING PAVEMENT TO BE RECLAIMED OR REMOVED AND LEGALLY DISPOSED OF. SEE NOTE 3".

SHEET 00 C-003 – SITE PREPARATION PLAN

1. Under NOTE item 1, delete "SHALL" and replace with "MAY".

SHEET 00 C-004 – SITE PLAN

1. Under NOTE item 1, delete "SHALL" and replace with "MAY".

SHEET 00 C-005 – GRADING PLAN

1. Under NOTE item 1, delete "SHALL" and replace with "MAY".

SHEET 99 C-502 – DETAILS (ROADWAY & STORMWATER)

1. Add a new note to the WOOD BEAM GUARDRAIL Detail:

"GUARDRAIL INSTALLATION NOTE:
GUARD RAIL POSTS – IF LEDGE IS ENCOUNTERED WITHIN 24-INCHES OF FINISHED GRADE, THEN LEDGE SHALL BE REMOVED TO A DEPTH OF 36-INCHES BELOW FINISH GRADE. ALL POSTS THAT ARE INSTALLED WITH A DEPTH OF INSTALLATION LESS THAN 55-INCHES SHALL BE PLACED IN A 24-INCH DIAMETER SONOTUBE WITH 3,000 PSI CONCRETE TO 6" BELOW FINISHED GRADE."

SHEET 99 C-503 – DETAILS (ROADWAY & STORMWATER)

1. In detail TURFSTONE™ GRID PAVERS BY IDEAL, delete "BEDDING SAND (NHDOT 304.1)" and replace with "PEASTONE".

2. In detail TURFSTONE™ GRID PAVERS BY IDEAL, delete note that reads “18” THICK WASHED CRUSHED STONE, FINE GRADATION (NHDOT ITEM 304.4)” and replace with “18” THICK No. 2 STONE (1 ½” stone) THAT MEETS THE FOLLOWING GRADATION:

Sieve Size	Percent passing
3”	100%
2 ½”	90 – 100%
2”	35 – 70%
1 ½”	0 – 15%
¾”	0 – 5%

SHEET 99 C-504 – DETAILS (LANDSCAPING)

1. Add detail as shown on Sheet SK-001.

QUESTIONS:

1. What is considered an overweight vehicle?

Answer: A vehicle that requires an overweight permit by NHDOT is considered overweight. AECOM requested 2-weeks’ notice to determine if it is possible to accommodate overweight vehicles.

2. It will be challenging for the Contractor to account for the guardrail installation cost, depending on where the ledge is located below the surface as per cubic yard removal of ledge for a guardrail post is much higher than mass rock excavation. A unit cost amendment was recommended.

Answer: Refer to modifications made to Section 00301 – BID (UNIT PRICE) and Sheet 99 C-502 above.

3. Are the DBE percentages noted a goal or a requirement?

Answer: It is a goal, as long as the Contractor makes an effort to include DBE firms on the project and the Contractor will need to be able to document efforts to subcontract with DBE firms on this project.

4. Clarification related to the actual excavation depth of organic material was requested.

Answer: The organic layer must be removed to a minimum of 12” below finished grade per Sheet 00 C-002 EXISTING CONDITIONS AND DEMOLITION PLAN. Additional excavation of the organic layer below finished grade may be necessary below pavement and pavers (refer to Sheets 99 C-502 and 99 C-503).

5. What is the quantify of asphalt to be reclaimed? Can the reclaimed material be removed instead of reclaimed?

Answer: The note on Sheet 00 C-002, Sheet 00 C-003, Sheet 00 C-004, and Sheet 00 C-005 were modified to allow for asphalt removal as an option to reclaiming these areas.

6. Is there an estimated traffic count? Will a flagger be necessary?

Answer: There are 6-7 staff that use the WWTF daily and regular deliveries of chemicals and supplies, plus trucks hauling dewatered sludge. It is unlikely that a flagger will be

required as the off leash dog area will be closed during standard construction hours, however one lane of traffic must be maintained at all times. There may be times that arise when a flagger is required.

7. Can the existing grade for the low point manhole shown on Sheet 00 C-003 be clarified?

Answer: The rim elevation of the existing manhole is approximately El.8.

8. Can we route traffic through the parking lot temporarily?

Answer: Yes

9. On the detail sheet the stone for under the Pavestone is called out as a "Washed Crushed Stone, Fine Gradation (NHDOT Item 304.4)". This is calling out 2 separate products in the note as 304.4 is a ledge pack product and not a washed stone. Can you please clarify which product is desired? Also, if this is a washed stone, is there going to be fabric between the sand and the stone?

Answer: Refer to edits on the paver detail on found on Sheet 99 C-503. No fabric is required.

10. The foundation preparation under the Turfstone paver area is specified as:
18" of washed crushed stone 304.4
1.5" of bedding sand 304.1

Can we substitute 3/8 pea stone to bed below the pavers?

Answer: Yes. Refer to revisions to the paver detail on Sheet 99 C-503 in this addendum.

11. Is it permissible to substitute granite curb for the precast concrete curb specified?

Answer: Yes.

12. Is there any additional boring log data for the area where the 350 LF of guard rail will be installed (Parking area boundary)?

Answer: Appendix B includes information from the probings conducted along Peirce Island Road near the guardrail. Refer to Exhibit 2 for test pit information from within the proposed parking area.

13. The deepest "excavation" required will be for the Guard Rail (GR) Posts. But the most efficient method of dealing with ledge for a GR post is by boring (12" dia). A bore of 12" in dia, 3' deep is roughly 1/3 of a CY of rock extracted. A "per CY" pay item would not cover the cost of boring the ledge for GR post installation. If ledge is encountered, this pay method would lead to over excavating a trough along the line of GR and a high per CY bid price, just to make the effort worthwhile. There are about 100 posts to be installed. Without boring data, would it make sense to assume a % of GR post that will require rock extraction for all bidders, and have us bid the GR install including ledge extraction on the % determined for bidding? The rock extraction pay item could be used for the trail, paved road and paver parking area.

Answer: Refer to the modifications made to Sheet 99 C-502, Section 00310 – BID (UNIT PRICE), and Section 01150 - MEASUREMENT AND PAYMENT.

14. If we are not, and our vendors are not DBE's, do we still submit a bid?

Answer: Yes. See response to question 3.

Acknowledge this addendum within your proposal. Failure to do so may subject bidder to disqualification.

Exhibit 1 - Pre-Bid Meeting
Sign-In Sheet, Minutes, and
Presentation



SIGN IN SHEET
 PRE-BID MEETING AND SITE VISIT
 10 am, February 14, 2024

Name	Representing	Phone Number	Email
Erik M iserve	AECOM	978 905 3145	erik.m.serve@aecom.com
MATT DOELZ	AECOM	978-621-0393	MATT.DOELZ@AECOM.COM
TIM COLLINS	Bouassa Construction	603-793-6573	Tim@bouassanb.com
Dave Cribbie	GW Brooks	603-539-6211	Dave@GWBrooks.com
Mike Morello	Morello Const. Inc	603-375-4180	mordloconstruction@comcast.net
Bill Tobey	Tobey Excavation	603-234-6326	GreenShedowper@YCHood.com
Eric Weinert	ALTUS	603 433-2335	ERIC@ALTUS-ENG.COM
Rick Wickson	Wickson Const	603-964-0010	rickson@wicksonconstruction.com
Peter Hayden	Bouassa Const	978-376-3019	peter@bouassanb.com
Scott Hoerman	WP Davis Excavation	(603)997-2622	Scott@wpdavisexcavation.com
Brett Patten	HLC Patten	(207)439 2008	Brett@hlpatten.com

Memorandum

Job No. 60700949
Date: February 14, 2024
To: File
From: Erik Meserve
Subject: City of Portsmouth, NH Bid No. 08-24 Peirce Island Road Resiliency Project

In accordance with the bidding procedure stated in the Invitation to Bid, on February 14, 2024, a mandatory Pre-Bid Conference for the Peirce Island Road Resiliency Project was held at 10:00 a.m. at the Portsmouth Department of Public Works followed by a site tour of Peirce Island. A copy of the attendees list is attached.

General Discussion

Following an introduction of the representatives of the City and AECOM, AECOM presented an overview of the project. An overview of the Scope of the Work was presented, and the following major points were noted:

1. Peirce Island is located in the Piscataqua River near downtown Portsmouth. It is relatively close to I-95 and Route 1. At one end is the Peirce Island Wastewater Treatment Facility (WWTF).
2. A portion of Peirce Island Road occasionally floods during storms. The WWTF requires 24-hour access, which can be problematic during storms in which the road floods. The parking lot also provides parking for recreational activities and the off leash dog park nearby.
3. Key features of the project include:
 - a. Construct Riprap Slope,
 - b. Re-align and Raise Road Elevation by approximately 3',
 - c. Construct Reinforced Grass Parking Area with Concrete Paver Center Aisle, and
 - d. Landscape Restoration.
4. Traffic Management: The mandatory construction vehicle haul route is defined in the documents. Monetary penalties will be assessed should construction traffic differ from this route.
5. Project schedule was discussed. Construction Activities Permitted Between March 1st and June 15th. Any unfinished work should be finished after September 2nd unless prior approval received from the City. See Specification Section 01010 for other requirements.
6. The pool project will be ongoing during the project. Off leash dog area to be closed during construction hours only.
7. The environmental permit requirements to protect threatened species were reviewed. Primarily, these include orange construction fencing to protect marsh elder populations.
8. The temporary facilities, staging areas, and standard stormwater controls were reviewed.
9. The bid opening date is currently February 29th, 2024. Bids need to include the bid form and bid security.
10. Bids should be delivered to the Front Desk at City Hall and will be opened in the Seybolt Conference Room.

11. Questions must be received at least seven days before the bid date, which currently would be February 22, 2024. If required, the final addenda will be issued five days before the bid date.
12. Any addenda will be posted to the City's Purchasing website. They will not be distributed to Bidders. It is the responsibility of the Bidder to check the website.

A copy of the presentation is attached.

Questions

Following the project overview, a question-and-answer period was held. The following questions were asked:

Q. What is considered an overweight vehicle?

A. A vehicle that requires an overweight permit by NHDOT is considered overweight. AECOM requested 2-weeks' notice to determine if it is possible to accommodate overweight vehicles.

Q. It will be challenging for the Contractor to account for the guardrail installation cost, depending on where the ledge is located below the surface as per cubic yard removal of ledge for a guardrail post is much higher than mass rock excavation. A unit cost amendment was recommended.

A. The City and AECOM will discuss and clarify in Addendum 1.

Q. Are the DBE percentages noted a goal or a requirement?

A. It is a goal, as long as the Contractor makes an effort to include DBE firms on the project.

Q. Clarification related to the actual excavation depth of organic material was requested.

A. The City and AECOM will discuss and clarify in Addendum 1.

Q. What is the quantify of asphalt to be reclaimed? Can the reclaimed material be removed instead of reclaimed?

A. The note on the drawings will be clarified to allow for asphalt removal.

Q. Can the existing grade for the manhole be clarified?

A. The City and AECOM will clarify in Addendum 1.

Q. Is there an estimated traffic count? Will a flagger be necessary?

A. There are 6-7 staff that use the WWTF daily and regular deliveries of chemicals and supplies, plus trucks hauling dewatered sludge. It is unlikely that a flagger will be required as the off leash dog area will be closed during standard construction hours, however one lane of traffic must be maintained at all times. There may be times that arise when a flagger is required.

Q. Can we route traffic through the parking lot temporarily?

A. Yes.



Peirce Island Road Resiliency Project

Bid No. 08-24

Pre-Bid Meeting

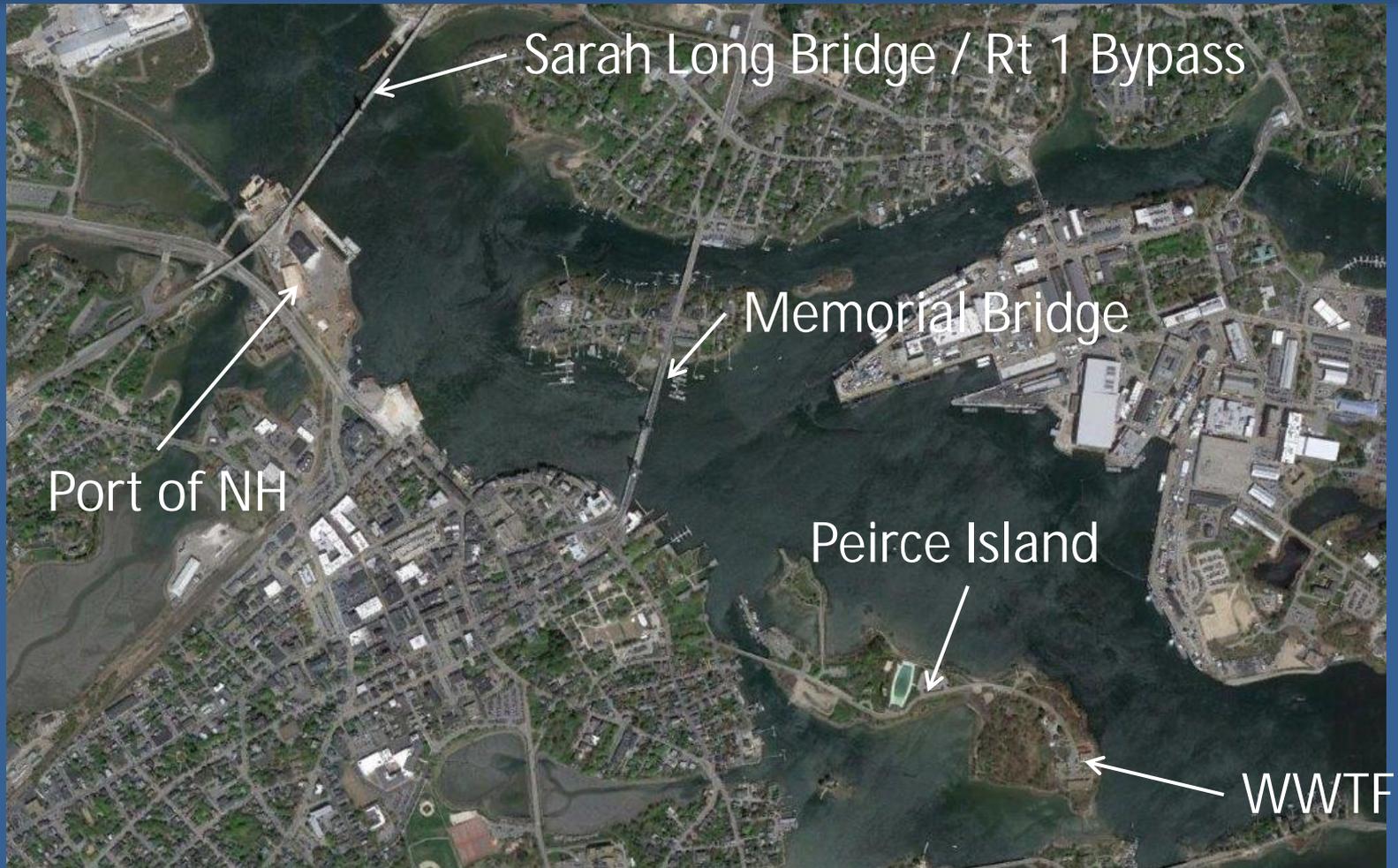
February 14, 2024

Topics of Discussion

- Introductions
- Project Overview
- Traffic Management
- Project Requirements and Schedule Restrictions
- Permit Requirements and Protection of Threatened Plant Species
- Temporary Facilities
- Bid Submittal Requirements
- Questions & Answers
- Site Tour



Project Overview



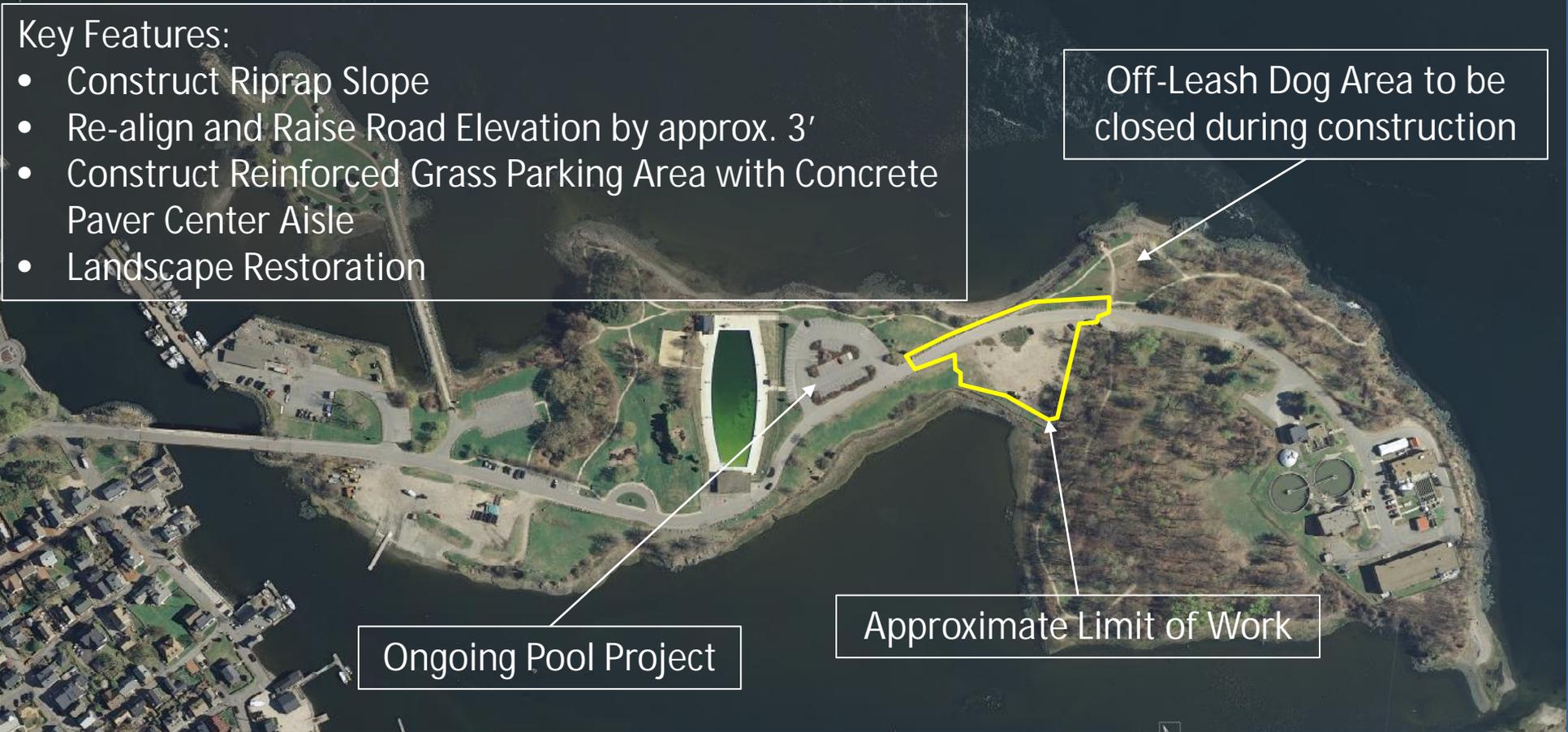
Project Overview

- Key Features:
- Construct Riprap Slope
 - Re-align and Raise Road Elevation by approx. 3'
 - Construct Reinforced Grass Parking Area with Concrete Paver Center Aisle
 - Landscape Restoration

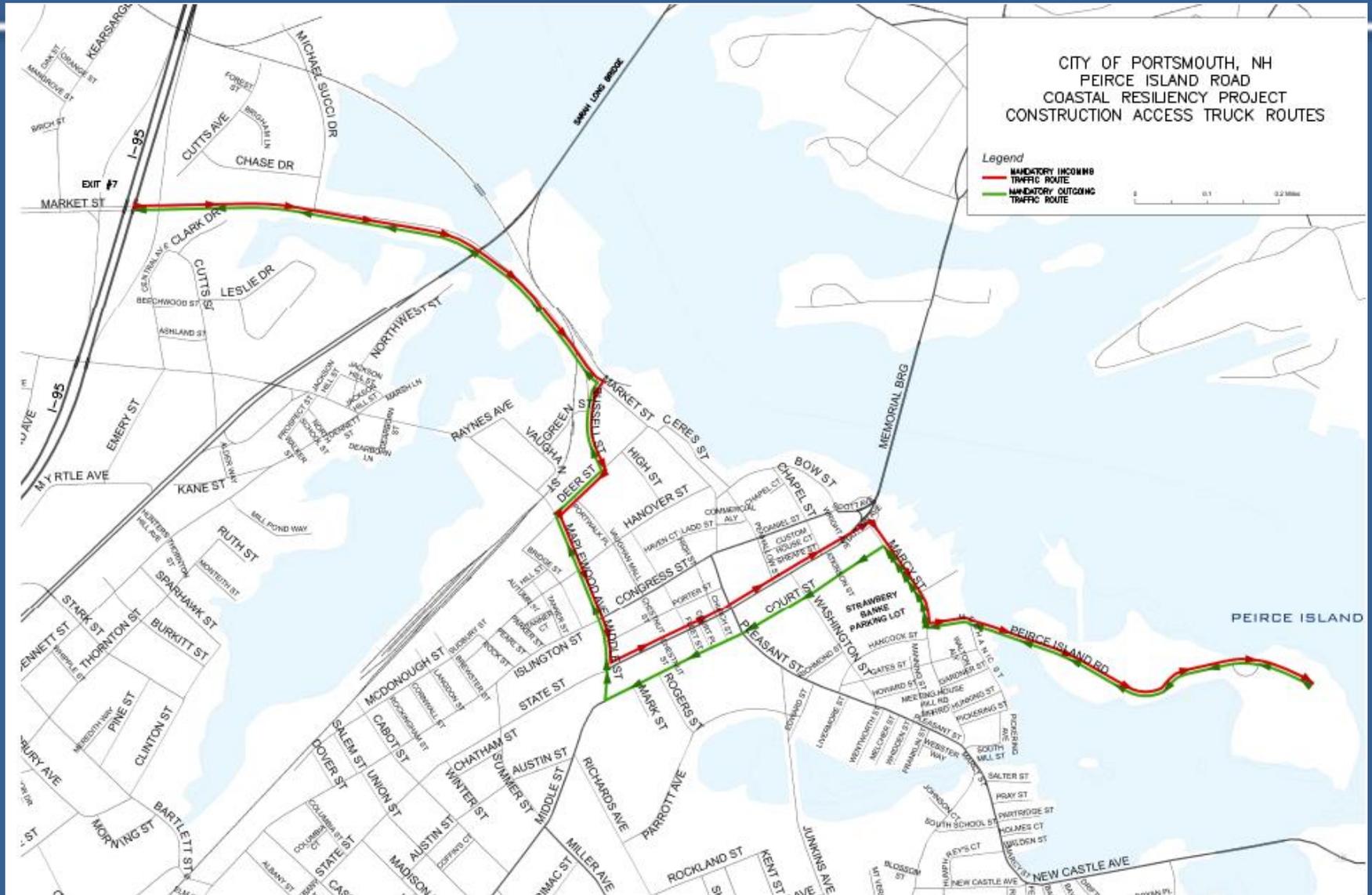
Off-Leash Dog Area to be closed during construction

Approximate Limit of Work

Ongoing Pool Project



Traffic Management Plan



Project Requirements and Schedule Restrictions

- One lane must remain open at all times.
- Time of Year Restrictions
 - Construction Activities Permitted Between March 1st and June 15th.
 - Any unfinished work should be finished after September 2nd unless prior approval received from the City.
 - See Specification Section 01010 for other requirements.
- Ongoing pool project
- Off leash dog area to be closed during construction



Permit Requirements and Protection of Threatened Plant Species



Provide orange construction fencing above marsh elder

Marsh Elder



Temporary Facilities

- Specification Section 01500
- Temporary Fencing & Stormwater Controls
- Bridge Restrictions



Bid Submittal Requirements

- Bid Form (Section 00301)
- Bid Security



Questions?

- Submit Questions No Later Than 7 Days Before Bid Date (Currently February 29th)
- Email: purchasing@cityofportsmouth.com
- Sooner is Better!



Exhibit 2 - Test Pits



Test Pit #1
4" (Loamy Gravel Mix)
Ledge Fill to 48"



Test Pit #2
18" Gravel
18"-48" Ledge Fill

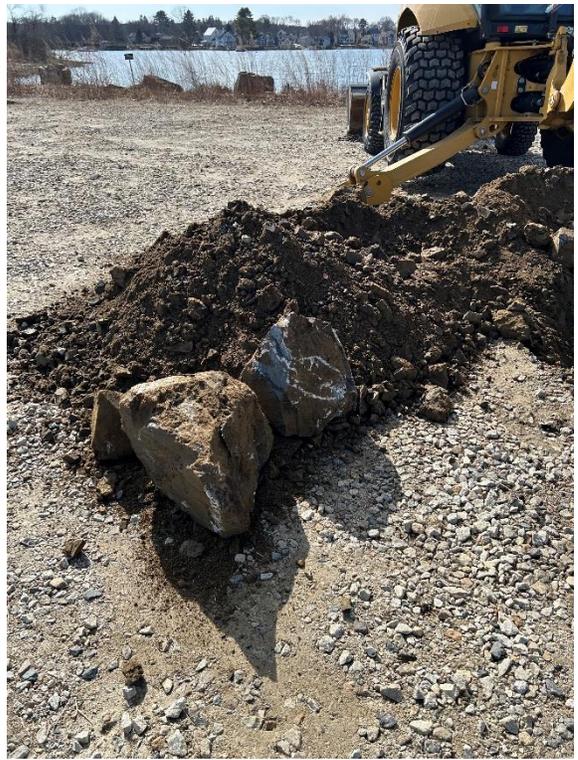


Test Pit #3
13" Gravel
13" - 48" Ledge Fill



Test Pit #4
16" Gravel
18"-48" Ledge Fill

Representative Soil Samples



SECTION 00301 BID
(UNIT PRICE)

SECTION 00301

BID

PEIRCE ISLAND ROAD RESILIENCY PROJECT

CITY OF PORTSMOUTH, NEW HAMPSHIRE

BID NUMBER #08-24

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

**City of Portsmouth, NH
Finance/Purchasing Department
1 Junkins Avenue
Portsmouth, NH 03801**

(Hereinafter called Owner)

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for the Bid withdrawal time period specified in the Invitation to Bid or Instructions to Bidders after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged:

Addendum No.

Addendum Date

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

- B. Bidder has carefully examined the sites of the proposed work and fully informed and satisfied himself as to the conditions there existing, the character and requirements of the proposed work, the difficulties attendant upon its execution and the accuracy of all estimated quantities stated in this Bid, and the Bidder has carefully read and examined the Bidding Documents therein referred to and knows and understands the terms and provisions thereof.
- C. Bidder has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- D. Bidder is familiar with and is satisfied as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
- E. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site (except Underground Facilities) that have been identified in SC-4.02 as containing reliable "technical data," and (2) reports and drawings of Hazardous Environmental Conditions, if any, at the Site that have been identified in SC-4.06 as containing reliable "technical data."
- F. Bidder has considered the information known to Bidder; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents; and (3) Bidder's safety precautions and programs.
- G. Based on the information and observations referred to in Paragraph 3.01.E above, Bidder does not consider that further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- H. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- I. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer is acceptable to Bidder.

- J. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.

ARTICLE 4 – BIDDER’S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. “corrupt practice” means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process;
 - 2. “fraudulent practice” means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 - 3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
 - 4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following unit prices:

- A. Unit Price shall be computed in accordance with Paragraph 11.03 of the General Conditions.

Item No.	Estimated Quantity	Brief description; Unit or lump sum price bid in both words and figures	Total Figure
1	Lump Sum	Peirce Island Road Resiliency Project: the lump sum (LS) of: _____dollars and _____cents	\$_____
2	100* cu. yd.	Mass rock excavation and disposal, per cu. yd., (minimum bid 75.00 per cu. yd.)** _____dollars and _____cents	\$_____
3	10* posts	Guardrail post installation with ledge removal, per post _____dollars and _____cents	\$_____
4	Allowance	Services of police details or flaggers, an allowance of: <u>Fifty Thousand</u> _____dollars and <u>No</u> _____cents	<u>\$50,000.00</u>

*Indeterminate; quantity assumed for comparison of bids.

**Bidder must insert minimum price or greater and insert extended item prices.

The undersigned agrees that for extra work, if any, performed in accordance with the terms and provisions of the annexed form of AGREEMENT, he will accept compensation as stipulated therein in full payment for such extra work.

If this BID is accepted by the Owner, the undersigned agrees to complete the entire work provided to be done under the Contract within the time stipulated in the AGREEMENT.

For informal comparison only and not to be considered as part of this BID, the total price for Items 1 to 4, inclusive, derived as described in the INFORMATION FOR BIDDERS under the heading “Comparison of Bids,” is

_____dollars

and _____cents

\$_____

ARTICLE 6 – TIME OF COMPLETION

6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 14.07 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.

6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENT TO THIS BID

7.01 The following documents are submitted with and made a condition of this Bid:

A. Required Bid security in the form of a certified treasurer’s or cashier’s check or bid bond.

B. The BIDDER hereby certifies, by checking the boxes below, that the following documents are included with this bid proposal

DBE Subcontractor Utilization Form (EPA Form 6100-4, attached)

DBE Subcontractor Performance Forms (EPA Form 6100-3, attached) **Submit one form for each DBE subcontractor.**

Bidder’s **American Iron and Steel** acknowledgement (attached)

ARTICLE 8 – DEFINED TERMS

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

9.01 This Bid is submitted by:

If Bidder is:

An Individual

Name (typed or printed): _____

By: _____
(Individual's signature)

Doing business as: _____

A Partnership

Partnership Name: _____

By: _____
(Signature of general partner -- attach evidence of authority to sign)

Name (typed or printed): _____

A Corporation

Corporation Name: _____ (SEAL)

State of Incorporation: _____

Type (General Business, Professional, Service, Limited Liability): _____

By: _____
(Signature -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____
(CORPORATE SEAL)

Attest _____

Date of Qualification to do business in New Hampshire is ____/____/____.

A Joint Venture

Name of Joint Venture: _____

First Joint Venturer Name: _____ (SEAL)

By: _____

(Signature of first joint venture partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Second Joint Venturer Name: _____ (SEAL)

By: _____

(Signature of first joint venture partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above.)

Bidder's Business Address _____

Phone No. _____ Fax No. _____

E-mail _____

SUBMITTED on _____, 2024.

State Contractor License No. _____.

Sworn and subscribed to before me this

_____ day of _____, 2024.

Notary or other officer authorized to administer oaths

My commission expires: _____, 20__.

(Bidders shall not add any conditions or qualifying statements to this Bid as otherwise the Bid may be declared irregular as being not responsive to the advertisement. **BIDDERS SHALL USE THIS BID FORM IN SUBMITTING THEIR BIDS.**)

END OF SECTION

NHDES-W-09-058



**DISADVANTAGED BUSINESS ENTERPRISE
(DBE) PROGRAM
SUBCONTRACTOR PERFORMANCE FORM**
NHDES CLEAN WATER AND DRINKING WATER STATE
REVOLVING LOAN FUND



FEDERAL RULE: 40 CFR Part 33

FORMERLY EPA FORM 6100-3

This form is intended to capture the DBE³ subcontractor's⁴ description of work to be performed and the price of the work submitted to the prime contractor. An EPA Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractor's bid or proposal package. You will find NHDES bid information in [Section A](#) of the front-end documents.

Subcontractor Name:		Project Name:	
Bid/Proposal No:		Assistance Agreement ID: (if known)	Point of Contact:
Address:			
Street # and Name		City/Town	State ZIP
Telephone No:		Email:	
Prime Contractor Name:		Issuing Funding Entity:	
Contract Item Number	Description of Work Submitted to the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of work submitted to the Prime Contractor	
DBE Certified by: <input type="checkbox"/> DOT <input type="checkbox"/> SBA <input type="checkbox"/> Other:		Meets/exceeds EPA Certification Standards? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
Prime Contractor Signature:		Printed Name:	
Title:		Date:	
Subcontractor Signature:		Printed Name:	
Title:		Date:	

³ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from with EPA accepts certifications as described in 40CFR 33.204-33.205. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

⁴ Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an EPA award of financial assistance.

**DISADVANTAGED BUSINESS ENTERPRISE
(DBE) PROGRAM
SUBCONTRACTOR UTILIZATION FORM**



CLEAN WATER AND DRINKING WATER
STATE REVOLVING LOAN FUND



FEDERAL RULE: 40 CFR Part 33

FORMERLY EPA FORM 6100-4

This form is intended to capture the prime contractor's actual and/or anticipated use of identified certified DBE subcontractors and the estimated dollar amount of each subcontract. An EPA Financial Assistance Agreement Recipient must require its prime contractors to complete this form and include it in the bid or proposed package. Prime contractors should also maintain a copy of this form on file. You will find NHDES bid information in [Section A](#) of the front-end documents.

THIS DOCUMENT MUST BE COMPLETED BY THE SUCCESSFUL BIDDER AND BOUND IN THE EXECUTED CONTRACT

Prime Contractor Name:		Project Name:	
Bid/Proposal No:	Assistance Agreement ID: (if known)	Point of Contact:	
Address:			
Street # and Name		City/Town	State ZIP
Telephone No:		Email:	
Issuing Funding Entity:			
I have identified potential DBE certified subcontractors:		<input type="checkbox"/> Yes	<input type="checkbox"/> No
If yes please complete the table below. If no, please explain:			
Subcontractor Name Company Name	Company Contact Information Street Number and Name, City/Town, State, ZIP Phone and Email	Est. Dollar Amount	Currently DBE Certified? <input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to use the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302(c).			
Prime Contractor Signature:		Printed Name:	
Title:		Date:	



**BIDDERS AMERICAN IRON AND STEEL
ACKNOWLEDGEMENT**
NHDES CLEAN WATER AND DRINKING WATER
STATE REVOLVING FUND



Public Law 113-76

Instructions: This acknowledgement form must be completed and signed by the bidder's authorized representative, and conveyed to owner with bid submittal. You will find NHDES bid information in [Section A](#) of the front-end documents.

Project Name _____ City/ Town/ Entity _____

Bidder Name _____ Bidder Address _____

With submittal of this Bid, the Bidder acknowledges to and for the benefit of the Owner and the State of New Hampshire (State) that it understands that this project is subject to the "American Iron and Steel (AIS)" requirements of the Water Resources Reform and Development Act of 2014, the Consolidated Appropriations Act of 2014 ([Public Law 113-76](#)), and subsequent laws that continue the requirement for the use of American Iron and Steel products in State Revolving Fund construction projects, and these laws require that all of the iron and steel used in the project be produced in the United States ("American Iron and Steel Requirement") including all iron and steel goods provided by the Bidder pursuant to this Bid.

The Bidder hereby presents and warrants to and for the benefit of the Owner and State that (a) the Bidder has reviewed and understands the American Iron and Steel Requirement, (b) all of the iron and steel products used in the project will be and/or have been produced in the United States in a manner that complies with the American Iron and Steel Requirement, unless a waiver of the requirement is approved, and (c) the Bidder will provide any further verified information, certification or assurance of compliance with this Acknowledgement, or information necessary to support a waiver of the American Iron and Steel Requirement, as may be requested by the Owner or the State

Notwithstanding any other provision of the Contract Documents, any failure to comply with this Acknowledgement by the Bidder shall permit the Owner or State to recover as damages against the Bidder any loss, expense, or cost (including without limitation attorney's fees) incurred by the Owner or State resulting from any such failure (including without limitation any impairment or loss of funding, whether in whole or in part, from the State or any damages owed to the State by the Owner).

Additionally, The Bidder hereby acknowledges that Bidder must include in all contracts and purchase agreements for this project the following American Iron and Steel contract language:

" (Subcontractor/Supplier) acknowledges to and for the benefit of the (Owner) and the State of New Hampshire (State) that it understands the goods and service under this contract or purchase agreement (Agreement) are being funded with monies that are subject to statutory requirements commonly known as "American Iron and Steel" (the Water Resources Reform and Development Act of 2014, the Consolidated Appropriations Act of 2014 ([Public Law 113-76](#)), and subsequent laws that continue the requirement for the use of American Iron and Steel products in State Revolving Fund construction projects); that requires all of the iron and steel products used in the project to be produced in the United States ("American Iron and Steel Requirement") including iron and steel products provided under this contract or Agreement. The Subcontractor/Supplier hereby represents and warrants to and for the benefit of the Owner and the State that (a) the Subcontractor/Supplier has reviewed and understands the American Iron and Steel Requirement, (b) all of the iron and steel products used in the project will be and/or have been produced in the United States in a manner that complies with the American Iron and Steel Requirement, unless a waiver of the requirement is approved, and (c) the Subcontractor/Supplier will provide any further verified information, certification or assurance of compliance with this paragraph, or information necessary to support a waiver of the American Iron and Steel Requirement, as may be requested by the Owner or the State.

(Signature of Certifying Bidder Representative)

Date

Printed Name

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Section 01010
Attachment 1 -
Educational Signage

Peirce Island Road Coastal Resiliency Project

Sea Level Rise & Adaptation Efforts

The Peirce Island Wastewater Treatment Facility (WWTF) provides critical services to the City of Portsmouth as well as to surrounding towns by reducing the environmental impact on the Piscataqua River. Sea level rise threatens access to this critical WWTF infrastructure upon which the community depends. The combination of King Tides and heavy precipitation events leads to inundation conditions across the city, including at Peirce Island (Figure 1).



Figure 1: Peirce Island boat launch ramp inundated on December 23, 2022.

Adaptation efforts are underway on Peirce Island that aim to make this part of the city more resilient to the projected impacts of forecasted climate change and sea level rise. This project includes raising low-lying, vulnerable areas by up to 3 feet, planting native coastal species and installing armor stones to protect the shoreline and minimize erosion impacts.

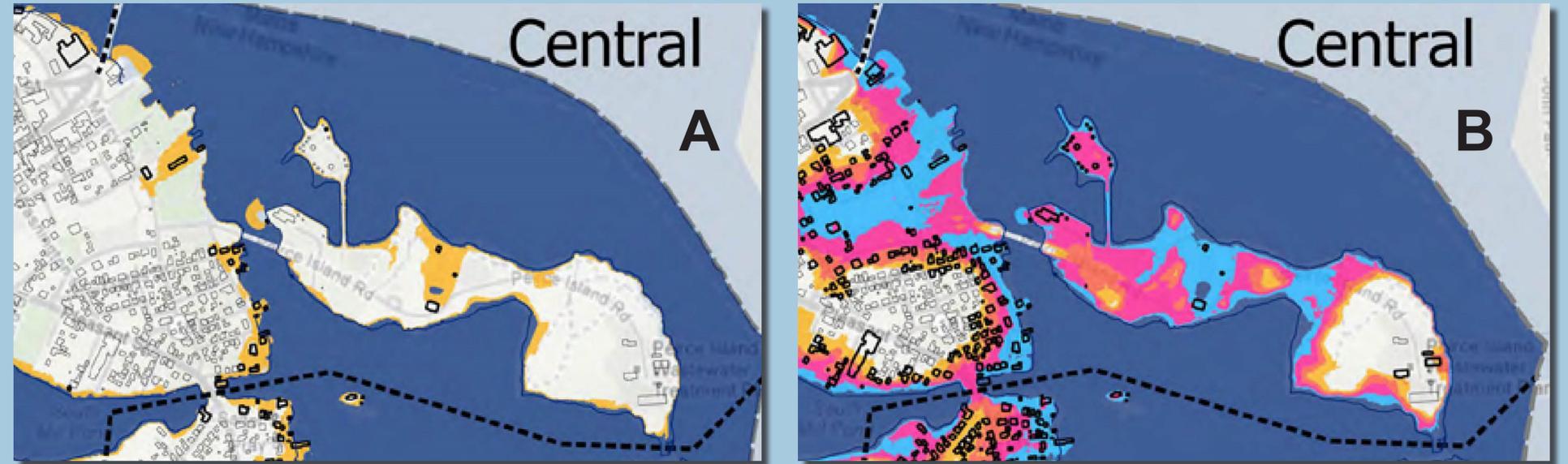
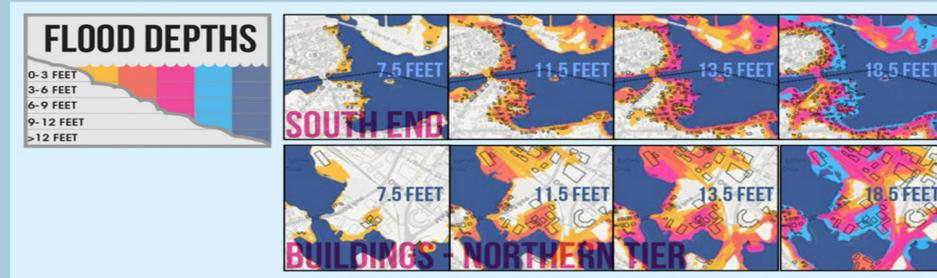


Figure 2: (A) A flooding scenario for the year 2100 with approximately 7.5 ft of sea level rise at high tide. (B) An 18-ft. flooding scenario for the year 2100 that includes a 100-year coastal flood event combined with the 7.5 ft of sea level at high tide. (Source: NH GRANIT, USGS, City of Portsmouth, Google). Legend below.



Stormwater Management

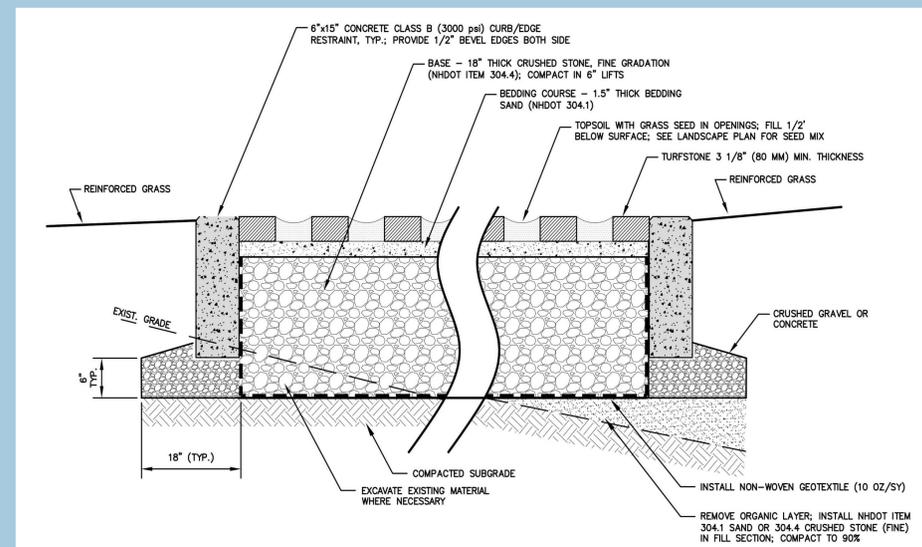


Figure 3: Example of permeable grass pavers utilized for stormwater infiltration (Source: Altus Engineering).



Figure 4: Low-lying salt marsh habitat that is most often inundated by the tidal cycle and predominantly covered by Smooth Cordgrass (*Spartina alterniflora*).

Stormwater Best Management Practices implemented as part of this project include planting native shrubs and a permeable grass paver parking lot. These practices allow stormwater to gradually filter into the soil, reducing erosion and runoff into the tidal wetlands.

SECTION 01150 MEASUREMENT
AND PAYMENT

SECTION 01150

MEASUREMNT AND PAYMENT

PART 1 - GENERAL

DESCRIPTION:

A. Summary:

Section includes

Descriptions of the measurement of and payment for the work to be done under the Items listed in the BID

Administrative and procedural requirements necessary to prepare and process Applications for Payment.

MEASUREMENT:

A. General:

In determining the quantities of excavation to which unit prices shall apply, the limits of normal width and depth of excavation shall be as described below, unless other limits are indicated on the Drawings or specified.

For pipes in trench, the normal width of the trench shall be measured between vertical planes which are a distance apart equal to the sum of 18 inches plus 1-1/3 times the nominal inside diameter of the pipe. If the width so computed is less than 3 feet, a width of 3 feet shall be taken as the normal width for payment. The normal depth shall be measured to a distance of 0.2 feet below the bottom of the pipe in earth and 0.7 feet in rock, unless there shall be a cradle underneath the pipe, in which case the normal depth shall be measured to the underside of the cradle. The width of trench for the cradle shall be assumed to be that specified above for pipes in trench.

For concrete placed directly against undisturbed earth, the normal width and depth of the excavation for such concrete shall be measured to the neat lines of the concrete as indicated on the Drawings or as ordered.

For concrete placed against rock surfaces resulting from rock excavation, the normal width and depth of the excavation shall be measured to 4 inches outside the neat lines of the concrete as indicated on the Drawings or as ordered.

For other structures, except manholes as noted below, the normal width shall be measured between vertical planes 1 foot outside the neat lines of the several parts of the structure, except that the width at any elevation shall be measured as not less

than the width at a lower elevation. The normal depth shall be measured to the underside of that part of the structure for which the excavation is made.

No additional width or depth of trenches excavated in earth or rock shall be allowed at standard circular manholes.

Wherever bell holes are required for jointing pipe, they shall be provided without additional compensation over and above that resulting from measurements as above described.

Each unit or lump-sum price stated in the BID shall constitute full compensation as herein specified for each item of work completed in accordance with the drawings and specifications, including cleaning up.

The prices for those items which involve excavation shall include compensation for backfilling, and disposal of surplus excavated material.

Bid Item 1: Peirce Island Road Resiliency Project:

The lump sum price for Item 1 shall constitute full compensation for constructing the Peirce Island Road Resiliency Project, complete, as indicated on the drawings and as specified, except that work included for payment under Items 2 to 3, inclusive.

Bid Item 2: Mass Rock Excavation and Disposal:

Where rock is encountered, it shall be excavated and disposed of, or reused on-site, as follows:

The quantity of rock to be paid for under this item shall be the number of cubic yards of rock within 5 feet of the outside of building foundations and walls, unless rock excavation beyond such limits has been authorized in writing by the Engineer, in which case measurement shall be made to the authorized limits.

The effort required for the preparation of all permits and complying with all state and local regulations and ordinances to excavate the rock shall be covered under this item. The item shall also include the costs to perform the pre- and post-construction condition surveys and the services to monitor the vibrations generated by any blasting as specified.

Excavated rock which has not been disposed of or re-used on-site will not be included for payment.

The unit price for this item shall constitute full compensation for rock excavation and disposal or reuse on-site and for furnishing all additional material needed for backfilling.

If material suitable for backfilling is not available in sufficient quantity from other excavations, the Contractor shall, at his own expense, furnish suitable material from outside sources.

Bid Item 3: Guardrail post installation

Where rock is encountered while installing guardrail posts, it shall be excavated and disposed of, or reused on-site, as follows:

The quantity to be paid for under this item shall be the number of guardrails installed where rock excavation required.

The effort required for the preparation of all permits and complying with all state and local regulations and ordinances to excavate the rock shall be covered under this item. The item shall also include the costs to perform the pre- and post-construction condition surveys and the services to monitor the vibrations generated by any blasting as specified.

Excavated rock which has not been disposed of or re-used on-site will not be included for payment.

The unit price for this item shall constitute full compensation for guardrail installation when rock is encountered, excavated, and disposed of or reused on-site and for furnishing all additional material needed for backfilling.

If material suitable for backfilling is not available in sufficient quantity from other excavations, the Contractor shall, at his own expense, furnish suitable material from outside sources.

Bid Item 4: Services of police details

Under this item, the Contractor will be reimbursed for charges for the services of police details and flaggers rendered in connection with traffic control as specified in Sections 01046 and 01500. The Contractor shall arrange for and coordinate the scheduling of such officers. Should costs for police details be incurred due to mis-scheduling by the Contractor, the Contractor will be responsible for these costs.

The allowance for this item as established in the BID is an estimated figure to facilitate comparison of bids. The actual amount to be paid for under this item shall be the amount actually invoiced for the work performed (with no markup). If the total amount for such charges is greater or less than the amount stated in the BID, a debit or credit of the difference in the amount shall be made to the Owner.

Extra Work:

Extra work, if any, shall be performed and paid for in accordance with Article 17 of the General Conditions. Claims for extra work shall be made in accordance with Article 21 of the General Conditions.

SCHEDULE OF VALUES:

- A. Coordination: Coordinate preparation of the schedule of values with preparation of Contractor's construction schedule.

Coordinate line items in the schedule of values with other required administrative forms and schedules, including the following:

Application for Payment forms with continuation sheets.

Submittal schedule.

Items required to be indicated as separate activities in Contractor's construction schedule.

Submit the schedule of values to Engineer at earliest possible date, but no later than seven days before the date scheduled for submittal of initial Applications for Payment.

Format and Content: Use Contract Documents table of contents as a guide to establish line items for the schedule of values. Provide at least one line item for each Specification Section.

Identification: Include the following Project identification on the schedule of values:

Project name and location.

Name of Engineer.

Engineer's project number.

Contractor's name and address.

Date of submittal.

Arrange the schedule of values in tabular form with separate columns to indicate the following for each item listed:

Related Specification Section or Division.

Description of the Work.

Name of subcontractor.

Name of manufacturer or fabricator.

Name of supplier.

Change Orders (numbers) that affect value.

Dollar value of the following, as a percentage of the Contract Sum to nearest one-hundredth percent, adjusted to total 100 percent, for previous billing, the invoicing period, the cumulative totals to date, and the total remaining.

Labor.

Materials.

Equipment.

Provide a separate row in the schedule of values for each Change Order (numbers) that affect value and provide separate columns to indicate each item listed above.

Provide a breakdown of the Contract Sum in enough detail to facilitate continued evaluation of Applications for Payment and progress reports. Coordinate with Contract Documents table of contents. Provide multiple line items for principal subcontract amounts in excess of five percent of the Contract Sum.

Round amounts to nearest whole dollar; total shall equal the Contract Sum.

Provide a separate line item in the schedule of values for each part of the Work where Applications for Payment may include materials or equipment purchased or fabricated and stored, but not yet installed.

Differentiate between items stored on-site and items stored off-site. If required, include evidence of insurance.

Provide separate line items in the schedule of values for initial cost of materials, for each subsequent stage of completion, and for total installed value of that part of the Work.

Allowances and Unit Price Items: Provide a separate line item in the schedule of values for each allowance. Show line-item value of unit-cost items, as a product of the unit cost, multiplied by measured quantity. Use information indicated in the Contract Documents to determine quantities.

Each item in the schedule of values and Applications for Payment shall be complete. Include total cost and proportionate share of general overhead and profit for each item.

Temporary facilities, erosion control, Stormwater Pollution Prevention Plan (SWPPP), and erosion control inspections shall be shown as separate line items in the schedule of values.

Other major cost items that are not direct cost of actual work-in-place may be shown either as separate line items in the schedule of values or distributed as general overhead expense, at Contractor's option.

Schedule Updating: Update and resubmit the schedule of values before the next Applications for Payment when Change Orders or Construction Change Directives result in a change in the Contract Sum.

APPLICATIONS FOR PAYMENT:

Each Application for Payment following the initial Application for Payment shall be consistent with previous applications and payments as certified by Engineer and paid for by Owner.

Initial Application for Payment, Application for Payment at time of Substantial Completion, Monthly Application for Progress Report, and final Application for Payment involve additional requirements.

Payment Application Times: Payments shall be made in accordance with the requirements of the General Conditions. The period of construction work covered by each Application for Payment is the period indicated in the General Conditions.

Application for Payment Forms: Engineer will furnish form for Applications for Payment. Submit completed forms for acceptance with initial submittal of schedule of values.

Application Preparation: Complete every entry on form. Notarize and execute by a person authorized to sign legal documents on behalf of Contractor. Engineer will return incomplete applications without action.

Entries shall match data on the schedule of values and Contractor's construction schedule. Use updated schedules if revisions were made.

Include amounts for work completed following previous Application for Payment, whether or not payment has been received. Include only amounts for work completed at time of Application for Payment.

Include amounts of Change Orders and Construction Change Directives issued before last day of construction period covered by application.

Indicate separate amounts for work being carried out under Owner-requested project acceleration.

Stored Materials: Include in Application for Payment amounts applied for materials or equipment purchased or fabricated and stored, but not yet installed. Differentiate between items stored on-site and items stored off-site.

Provide certificate of insurance, evidence of transfer of title to Owner, and consent of surety to payment, for stored materials.

Provide supporting documentation that verifies amount requested, such as paid invoices. Match amount requested with amounts indicated on documentation; do not include overhead and profit on stored materials.

Provide summary documentation for stored materials indicating the following:

Value of materials previously stored and remaining stored as of date of previous Applications for Payment.

Value of previously stored materials put in place after date of previous Application for Payment and on or before date of current Application for Payment.

Value of materials stored since date of previous Application for Payment and remaining stored as of date of current Application for Payment.

Transmittal: Submit three signed and notarized original copies of each Application for Payment to Engineer by a method ensuring receipt within 24 hours. One copy shall include waivers of lien and similar attachments if required.

Transmit each copy with a transmittal form listing attachments and recording appropriate information about application.

Initial Application for Payment: Administrative actions and submittals that must precede or coincide with submittal of first Application for Payment include the following:

List of subcontractors.

Schedule of values.

Pre-construction surveys and photographs.

Health and safety and environmental protection plans.

Contractor's construction schedule (preliminary if not final).

Products list (preliminary if not final).

Schedule of unit prices.

Submittal schedule (preliminary if not final).

List of Contractor's staff assignments.

List of Contractor's principal consultants.

Copies of building permits.

Copies of authorizations and licenses from authorities having jurisdiction for performance of the Work.

Initial progress report.

Certificates of insurance and insurance policies.

Performance and payment bonds.

Application for Monthly Progress Payment: Administrative actions and submittals that must precede or coincide with submittal of monthly Application for Progress Payment include the following:

Schedule of values.

Schedule of unit prices.

Construction photographs.

Contractor's updated construction progress schedule and specified reports.

Documented proof that it has recorded information on the Contract Drawings to reflect "As Built" information.

Application for Payment at Substantial Completion: After Engineer issues the Certificate of Substantial Completion, submit an Application for Payment showing 100 percent completion for portion of the Work claimed as substantially complete.

Include documentation supporting claim that the Work is substantially complete and a statement showing an accounting of changes to the Contract Sum. Documentation include, evidence of all the following:

Each item of mechanical, electrical, instrumentation, piping and HVAC equipment installed or modified under this Contract have been tested to demonstrate compliance with the performance requirements of this Contract, including successful functional testing, water testing, performance testing and facility commissioning.

All operating, maintenance manuals and as-built drawings have been provided to the Owner.

All spare parts and materials have been provided to the Owner.

All warranty certificates and test results have been provided to the Owner.

The Contractor has provided instructions and training to the Owner's staff to enable the Owner to operate the Works.

This application shall reflect Certificate(s) of Substantial Completion issued previously for Owner occupancy of designated portions of the Work.

Final Payment Application: After completing Project closeout requirements, submit final Application for Payment with releases and supporting documentation not previously submitted and accepted, including, but not limited, to the following:

Evidence of completion of Project closeout requirements.

Insurance certificates for products and completed operations where required and proof that taxes, fees, and similar obligations were paid.

Updated final statement, accounting for final changes to the Contract Sum.

Evidence that claims have been settled.

Final meter readings for utilities, a measured record of stored fuel, and similar data as of date of Substantial Completion or when Owner took possession of and assumed responsibility for corresponding elements of the Work.

PART 2 - PRODUCTS

(Not Used)

PART 3 - EXECUTION

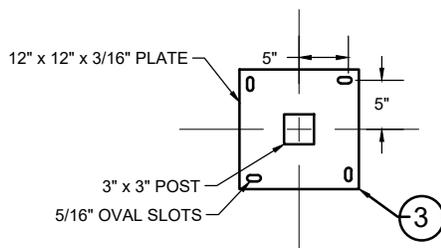
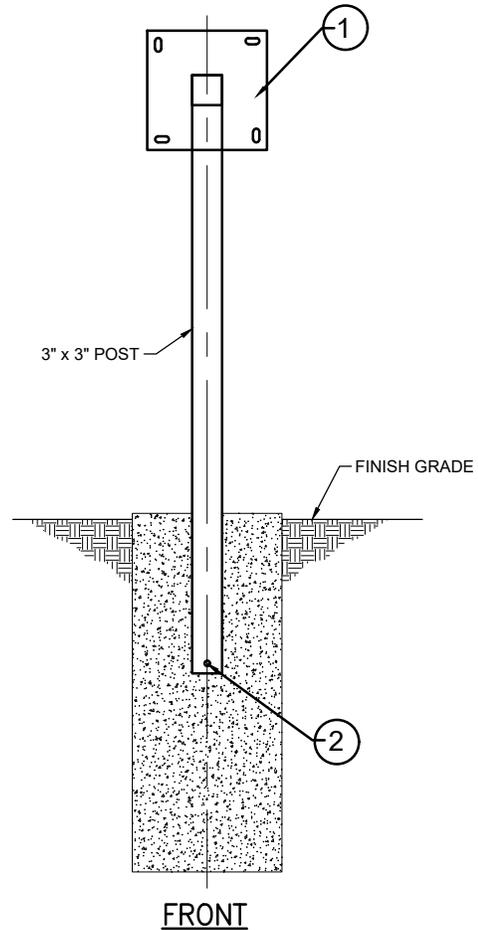
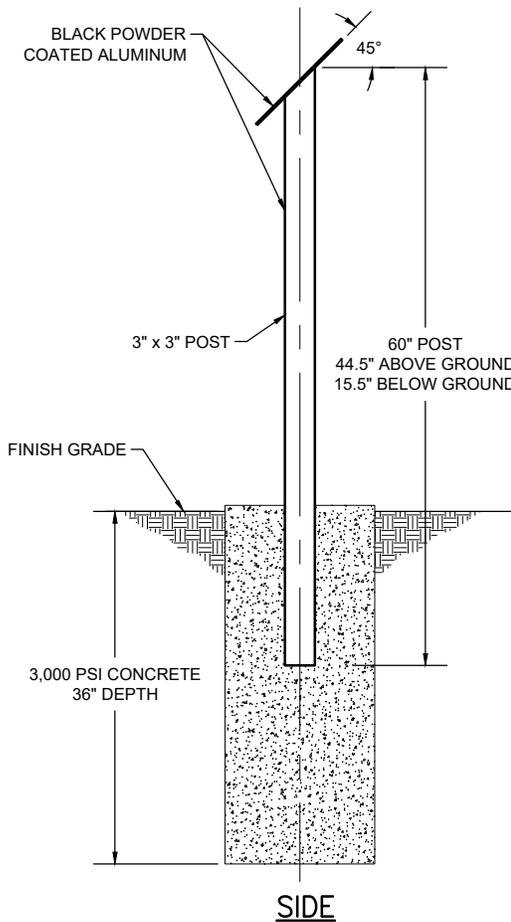
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END OF SECTION

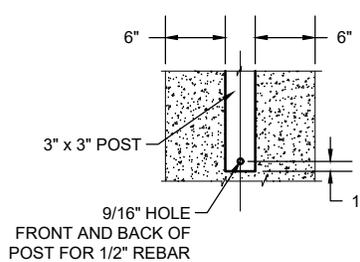
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Reference SHEET 99 C-504
SHEET SK-001

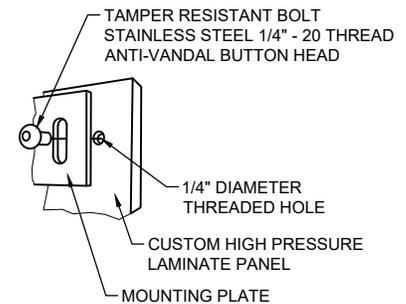
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 LAST UPDATE: Thursday, February 22, 2024 12:57:54 PM
 PLOT DATE: Thursday, February 22, 2024 1:13:17 PM



① MOUNTING PLATE



② UNDERGROUND PORTION OF POST



③ ATTACHING PANEL TO HARDWARE

NOT TO SCALE

NOTES:

- FOR ADDITIONAL INSTALLATION REQUIREMENTS REFER TO SPEC. SECTION 01010.



AECOM TECHNICAL SERVICES, INC.
 250 APOLLO DRIVE
 CHELMSFORD, MA 01824
 PHONE: (978) 905-2100
 SHEET REFERENCE

PROJECT
 PEIRCE ISLAND ROAD COASTAL
 RESILIENCY PROJECT (PEIRCE ISLAND, PORTSMOUTH, NH)
CLIENT
 CITY OF PORTSMOUTH, NH
PROJECT NUMBER
 60700949

DISCIPLINE
 CIVIL
SHEET TITLE
 EDUCATIONAL SIGN DETAIL
SHEET NUMBER SK-001
 FEBRUARY 22, 2024