

## SECTION 00 91 13

### ADDENDUM

June 2, 2025

#### ADDENDUM NO. 1

TO: Prospective Bidders

FROM: Foth Infrastructure & Environment, LLC  
15 Creek Road  
Marion MA 02738

RE: New Bedford Marine Commerce Terminal -  
Phase 3 Terminal Heavy-Lift Expansion Project (Site 1)  
Massachusetts Clean Energy Technology Center  
Project I.D.: 24M070.01

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents published on May 16, 2025.

Acknowledge receipt of this addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

#### ISSUED FOR INFORMATIONAL REASONS

1. A list of the prospective Bidders who have been provided with the Request for Proposal documents, by the Owner's Engineer, is provided as **Attachment 1**.
2. The meeting notes from the Pre-bid Conference, held on May 22, 2025, is provided as **Attachment 2**.

#### CHANGES TO PROCUREMENT AND CONTRACTING REQUIREMENTS

1. Section 00400, Bid Form, has been updated to reflect changes to Bid Items #11, #12, #31, #32, and #33. These Bid Items are highlighted in the revised Bid Form (pages 3 and 4 ONLY), which is provided as **Attachment 3**.
2. Section 01 22 00, Measurement and Payment, has been updated to reflect changes to Bid Items #11, #12, #31, #32, and #33. Descriptions for these Bid Items are highlighted in the revised Measurement and Payment, which is provided as **Attachment 4**.

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ADDENDUM No. 1

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## QUESTIONS AND RESPONSES RECEIVED DURING THE BIDDING PERIOD

1. Q: Can the Project Completion date be extended until March 31st, 2026?  
A: No, contract completion in 2025 is critical to subsequent project schedules as indicated in the construction documents.
2. Q: If the Project Completion date can be extended until March 31st, 2026, can the due date for questions and the due date for the proposal be extended 1 week?  
A: No schedule extension.
3. Q: In reference to bid item No. 6 “Disposal of Miscellaneous Contaminated Items”, section 01 222 00 states “The contract price includes all costs associated with removal and disposal of miscellaneous contaminated items and will be measured as a lump sum.” Please provide list of contaminated items and quantities to be included in the item.  
A: The Contract price should include fence post footings, tree stumps, wooden stakes, large boulders, and anything that the Contractor generates like PPE, decon equipment, existing poly sheeting ground protection, and all other materials required to complete the project that encounter contaminated soils scheduled for removal and disposal.
4. Q: Please clarify which pay item the existing electric and gas utility removals should be included under.  
A: As indicated in Section 01 22 00, Measurement and Payment, if there is not a unit line item, the work shall be considered as incidental to the Contract.
5. Q: In reference to bid item No. 15 “Building Foundation and Footing Removal”, please provide drawings of existing buildings to determine sizing of foundations to be removed, or consider changing pay item to per cubic yard.  
A: Contactor shall reference Drawing C-110 for building foundation and footing removals (existing building drawings are not available). The Lump Sum bid price shall be considered all-inclusive and unit measurements will not be made.
6. Q: Please clarify how specification 265668 Exterior Lighting applies to the project, the drawings do not reference proposed lighting.  
A: Section 26 56 68, Exterior Lighting, has been removed from the Request for Proposal.

7. Q: Has there been any soil remediation and disposal on site already? If so, who is the broker involved in the disposal?

A: Contractor awarded contract shall be responsible for brokering of material disposal for the project. All disposal facilities are subject to review and approval by the owner. The following MADEP link provides past project information on the most recent remedial activities completed on an adjacent parcel at NBMCT (80 Wright Street).

[https://eeaonline.eea.state.ma.us/portal/dep/wastesite/results?queryString=townName:NEW%20BEDFORD\\_address:80%20Wright](https://eeaonline.eea.state.ma.us/portal/dep/wastesite/results?queryString=townName:NEW%20BEDFORD_address:80%20Wright)

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Douglas Ernst  
Project Director

END OF ADDENDUM

**Attachment 1**  
**Current Planholder List**

**Planholders List**

	<b>Date of Request</b>	<b>Company</b>	<b>Contact Name</b>	<b>Email</b>	<b>Telephone No.</b>
1	5/16/2024	D.W. White Construction, Inc.	Joel Kosberg	jkosberg@dwwhite.com	C: 774-320-0980
2	5/16/2025	Northern Construction Service, LLC	Dulce Montana	dmontana@northernconstruction.com	413.289.1230 x206
3	5/19/2025	Robert B. Our Marine Division LLC	Kim Boutin Abigial Rose	kboutin@robertbour.com ajour@robertbour.com	O: 508-432-0530 O: 508-432-0530
4	5/19/2025	Costello Dismantling Co., Inc.	Sandi Cloutier	sandi@costellodismantling.com	O: 508.291.2324
5	5/19/2025	W.L. French Excavating Corp.	Tom Dion Dennis Vandi	tdion@wlfrench.com dvandi@wlfrench.com	978-600-2105
6	5/19/2025	Charter Contracting Company	Lisa Arseneault Mark Joyce	larseneault@charter.us mjoyce@charter.us	O: 857-246-6835
7	5/20/2025	SumCo Eco-Contracting, LLC	Tim Feliciano - Estimating	estimating@sumcoeco.com	978-744-1515
8	5/21/2025	ACK Marine & General Contracting	Barry Belcastro	Barry@ack-marinecontracting.com	C: 781-983-0989
9	5/21/2025	Mackay Companies	Candice Monteiro	cmonteiro@mackaycompanies.com	O: 617-314-6213 x109
10	5/22/2025	T Ford Company, Inc.	Bill Peach	bill@tford.com	O: 978-352-5606
11	5/27/2025	The Welch Corp.	Paul Bertolino Don Lamentea	<a href="mailto:pbertolino@thewelchcorp.com">pbertolino@thewelchcorp.com</a> dlamentea@ajwelch.com	O: 617.254.7550
12	5/27/2025	Bestech Inc. of Connecticut	Rob Sullivan	RSullivan@BestechCT.com	O: 860-896-1000 x104

Date Updated: 5/27/2025

**Attachment 2**  
**Meeting Notes from Pre-bid Conference**

## Meeting Minutes

<b>Subject</b>	Massachusetts Clean Energy Center NBMCT Phase 3 Terminal Heavy-Lift Expansion (Site 1) PRE-BID MEETING	<b>Date</b>	5/22/2025
<b>Meeting Organizer</b>	Doug Ernst – NBMCT Ph3 Program Mgr.	<b>Time: Start</b>	10:00 am
<b>Location</b>	4 Wright Street, New Bedford, MA	<b>Time: End</b>	10:25 am
<b>Pre-Work</b>		<b>Project No.</b>	24M070.01
<b>Attendees: Required</b>	Tim Griffin, Terminal Director – MassCEC Jeannie Houde, Terminal Manager - MassCEC Doug Ernst – Foth Infrastructure & Environment, LLC Jonathan Kitchen, Principal - Civil & Environmental Consultants, Inc. Cassia Dal Bello, Project Manager - Civil & Environmental Consultants, Inc. David Kelley, Principal – Civil & Environmental Consultants, Inc. John McAllister – McAllister Marine Engineering Bruce Hebbel – Foth Infrastructure & Environment, LLC Beth Schuh – Foth Infrastructure & Environment, LLC		
<b>Attendees: Optional</b>	Potential Bidders/Contractors: Barry Belcastro (ACK Marine & General Contracting), Chad Sumner (SumCo Eco-Contracting), Daniel Costello, Mike Costello, and Hal Monsini (Costello Dismantling Co.), Dennis Vandt (W.L. French Excavating Corp.), Joel Kosberg (D.W. White Construction), Kyle Annutto (Mackay Companies), Lisa Arseneault, Mark Joyce, and Aaron Gautreau (Charter Contracting Company), Rob Doane (Robert B. Our Co.), William Viveiros		

No.	Description	Facilitator	Notes
1.	<b>Introductions</b>	Doug Ernst	
2.	<b>Program Overview:</b> a.) NBMCT Ph3 Expansion b.) Site 1 (18 & 54 Wright Street Parcels)	Doug Ernst	Doug provided a Site overview of the current and upcoming projects that will take place on Sites 1, 2, 3, and 4. The discussion then focused on the current terminal bid project on Site 1.
3.	<b>Request for Proposal:</b> a.) <u>Contract Documents:</u> <ul style="list-style-type: none"> <li>◆ Section 00200, Instructions to Bidders</li> <li>◆ Section 00400, Bid Form</li> <li>◆ Section 00430, Bid Bond</li> <li>◆ Section 00439, Bidder's Checklist</li> <li>◆ Reference all Div 00/01 plus technical specifications.</li> </ul> b.) <u>Special Requirements:</u> <ul style="list-style-type: none"> <li>◆ Attachment 2 EEO Certification</li> <li>◆ Attachment 3 Prevailing Wages</li> </ul>		Bidders should pay particular attention to the listed documents and use the Bidder's Checklist as a tool to ensure all required forms have been properly completed and submitted with the Bid.  Utility permits have been coordinated with the City and Contractor shall complete final coordination activities to secure all final project permits.

No.	Description	Facilitator	Notes
	c.) <u>Permits</u> : (Contractor secured) ◆ Site/utilities/traffic Control (City)		
4.	<b>Project Schedule:</b> a.) <u>Bidder Questions</u> accepted until 5:00pm EST on May 28, 2025 ( <i>emailed to Beth.Schuh@foth.com</i> ) b.) <u>Contractor Bids</u> accepted until 12:00pm EST on June 10, 2025 ( <i>emailed to NBMCT_OPS@MassCEC.com</i> ) c.) <u>Contractor Interviews</u> (virtual): June 17 & 18, 2025 (times TBD) d.) <u>Notice of Award</u> : June 23, 2025 e.) <u>Notice to Proceed</u> : July 15, 2025 (anticipated) f.) <u>Substantial Completion</u> : 130 days from NTP g.) <u>Final Completion</u> : 14 days	Doug Ernst	<p>The Project Schedule and due dates were reviewed.</p> <p>Once Bids have been received, 2-3 Contractors will be selected for interviews to discuss and evaluate their qualifications, project execution, experience, etc. in order to ultimately select the final Contractor.</p> <p>The project duration is 130 days with plans to wrap up the project by the end of November 2025.</p> <p>The Bulkhead project in Site 4 is scheduled to begin in January 2026, therefore, this Site 1 project needs to be completed by then.</p>
5.	<b>Project Overview - Scope of Work (Site 1)</b> a.) <u>Site demolition</u> : ◆ Demolition of two building foundations ◆ Pavements ◆ Utilities ◆ Erosion Control b.) <u>Soil remediation and disposal</u> : ◆ <u>Draft</u> RAM/SIP Plan to be followed for all soil remediation and disposal (EPA and DEP involvement at the site) ◆ Non-hazardous and hazardous soil disposal (contaminants include PCBs, SVOCs, metals) c.) <u>Site improvements</u> : ◆ Grading & excavation ◆ Utility Disconnections ◆ Stormwater drainage system installation as per IFC plans, technical specifications, and stormwater permit ◆ Heavy-lift DGA surface implementation as per IFC plans and technical specifications d.) <u>Utility disconnections</u> : ◆ Utility service disconnections ◆ Street repairs	David Kelley Jonathan Kitchen Cassia Dal Bello	<p>Cassia provided an overview of the project's Scope of Work which includes the demolition of two building foundations and the installation of utilities and erosion control. Soil remediation and the disposal of hazardous and non-hazardous materials will take place (refer to Attachment 9 – Draft RAM Plan). The Draft RAM Plan is currently pending EPA approval but is expected before work begins.</p> <p>Doug showed the Site Layout.</p> <p>Dave shared that once the demolition is done, utility disconnects from the street will take place. The need for coordination with the City of New Bedford is imperative. The sitework includes stormwater subsurface infiltration system, grading/excavation, DGA surface placement and finally construction a construction entrance to bridge over the storm chambers as a temporary construction entrance for future projects.</p>



No.	Description	Facilitator	Notes
6.	<b>Other Items:</b> a) Still awaiting EPA approval for the soil remediation approach. Approval will be issued as an addendum. Soil removal cannot begin without this. b) Ongoing coordination during construction with DPI by the contractor and project team.		Dave reiterated, "coordination with the City is imperative."  Jonathan K. added that prioritizing the soil remediation activity first is important given regulatory requirements and scheduling of material hauling/disposal.  Doug reviewed Drawing CF-1, noting that sequencing activities will be important to the project's success.
7.	<b>Site Walk</b> (by special request, email Beth Schuh) – May 28 <sup>th</sup> thru June 4 <sup>th</sup> .	Doug Ernst	Doug reminded the Bidders to email Beth Schuh to schedule a Site Walk to review the existing conditions.
8.	<b>Q and A</b>	Doug Ernst	The Engineer's estimate is \$3,716,500.

**Attachment 3**  
**Specifications – Revised**

**Section 00400 Bid Form**  
**(pages 3 & 4 only)**

SECTION 00400  
**SCHEDULE OF BID PRICES**  
 NEW BEDFORD MARINE COMMERCE TERMINAL  
 PHASE 3 TERMINAL HEAVY-LIFT EXPANSION PROJECT (SITE 1)

Bid Item	Description	Estimated Quantity	Unit	Unit Price	Estimated Price
<b>SECTION 01 - GENERAL</b>					
1	Mobilization and Demobilization	1	LS		
2	Traffic Control	1	LS		
<b>SECTION 02 - SOIL REMEDIATION / DISPOSAL</b>					
3	Disposal of Unsuitable Soil (Environmental PCBs > 25 ppm)	260	TON		
4	Disposal of Unsuitable Soil (Environmental PCBs >1 ppm and <25 ppm)	820	TON		
5	Disposal of Unsuitable Soil (Environmental PCBs <1 ppm)	7,200	TON		
6	Disposal of Miscellaneous Contaminated Items	1	LS		
<b>SECTION 03 - SITE DEMOLITION</b>					
7	Erosion Control - Inlet Protection (silt socks)	8	EA		
8	Erosion Control - Silt Fence	1500	LF		
9	Erosion Control - Trackout Control Pad (stabilized construction entrance)	2	EA		
10	Tree Protection	3	EA		
11	Salvage Chain Link Fence, 8 ft (black vinyl security fence)	240	LF		
12	Removal of Chain Link Fence	1	LS		
13	Removal of Asphalt Pavement	2,100	SY		
14	Removal of Concrete Pads	1	LS		
15	Building Foundation & Footing Removal	1	LS		
16	Removal of Curb	600	LF		
17	Removal of Trees	1	LS		
18	Removal of Water Line	250	LF		
19	Removal of Abandoned Sewer Manhole	1	EA		
20	Removal of Sewer Pipe	600	LF		
21	Removal of Drainage Structure	3	EA		
22	Removal of Drainage Pipe	100	LF		
23	Excavation and Grading	5,100	CY		

Bid Item	Description	Estimated Quantity	Unit	Unit Price	Estimated Price
<b>SECTION 04 - SITE LAYOUT AND MATERIALS</b>					
24	Heavy-Lift Section - Dense Graded Aggregate (furnish and place)	10,200	TON		
25	Infiltration Trench Aggregate - 1-1/2" washed crushed stone (furnish and place)	100	TON		
26	Geogrid - Tensar Interax NXF (furnish and place)	11,000	SY		
27	Geotextile – Tensar Interax NXF Filtergrid (furnish and place)	11,000	SY		
28	Geotextile - Mirafi 140 N (furnish and place)	100	SY		
29	Preparation of Subgrade	11,000	SY		
30	Timber Border (12"x10" pressure-treated pine timbers, painted yellow)	500	LF		
31	Chain Link Fence, Security, 8 ft - Black Vinyl Coated (salvaged reinstallation)	240	LF		
32	Chain Link Fence, Security, 8 ft - Black Vinyl Coated (furnish & install, new)	95	LF		
33	Chain Link Fence, 8 ft - Temporary Construction (furnish & install, new)	500	LF		
34	Post-Construction Site Access	1	LS		
<b>SECTION 05 - STORMWATER DRAINAGE IMPROVEMENTS</b>					
35	Ferguson Waterworks, R-Tank 2.0 Stormwater Chambers (HD Heavy Duty)	340	EA		
36	Ferguson Waterworks, R-Tank 1.5 Stormwater Chambers (HD Heavy Duty)	430	EA		
37	Stormceptor Water Quality Units (Contech-STC900)	4	EA		
38	Stormwater Backwater Valve (NAPCO 30" in-line)	1	EA		
39	Stormwater Outlet Control Structure (special 48" precast concrete)	2	EA		
40	Stormwater Drain Manhole (48" precast concrete)	1	EA		
41	Stormwater System HDPE Piping (ADS N-12 Dual Wall varying sizes)	450	LF		
42	Stormwater Landscape Drain (ADS Nyloplast)	8	EA		
<b>SECTION 06 - ELECTRICAL UTILITIES</b>					
43	Conduit, Schedule 80 PVC (2.5-inch direct buried duct bank)	1000	LF		
44	Conduit, Schedule 80 PVC (3.0-inch direct buried duct bank)	1000	LF		
<b>SECTION 07 - LANDSCAPING</b>					
45	Surface Restoration - Loam and Hydroseed	8,900	SF		
46	Inlet Protection - Silt Sacks (on-site)	8	EA		
<b>SECTION 08 - OFF-SITE IMPROVEMENTS</b>					
47	Sewer Drain Disconnections	5	EA		
48	Domestic Water Disconnections	2	EA		
49	Storm Drain Connection	1	EA		
50	Stormwater RCP Piping (30" Dia. Class V)	25	LF		
51	HMA Pavement Restoration	1,700	SY		
52	Cement Concrete Sidewalk	340	SY		
53	Curb Replacement (Type VA1 vertical curb straight)	50	LF		
<b>TOTAL BASE BID PRICE (Items 1 through 53)</b>					
<b>Bid Schedule Notes:</b> (1) Identified quantities are estimates for comparison purposes only. Actual quantities will be determined in accordance with Section 01 22 00, Measurement and Payment. All volumes based on as constructed and completed quantities. (2) Insert Unit Price for additive total of material price and labor costs columns.					

**Attachment 4**  
**Specifications – Revised**

**Section 01 22 00      Measurement and Payment**

## SECTION 01 22 00

## MEASUREMENT AND PAYMENT

## PART 1 - GENERAL

## 1.1 SUBMITTALS

Submittals shall be in accordance with Section 01 33 00, Submittal Procedures.

## 1.2 LUMP SUM PAYMENT ITEMS

Payment items for the Work for which contract lump sum payments will be made are listed in Section 00400, Bid Form, and described below. All costs for items of work, which are not specifically mentioned to be included in a particular lump sum or unit price payment item, shall be included in the listed item most closely associated with the work involved. The lump sum price and payment made for each item listed shall constitute full and final compensation for furnishing all supervision, plant, labor, materials, and equipment, and performing any associated Contractor quality control, environmental protection, meeting safety requirements, tests and reports, and for performing all work required for which separate payment is not otherwise provided.

## 1.3 UNIT PRICE PAYMENT ITEMS

Payment items for the work of this contract on which the contract unit price payments will be made are listed in Section 00400, Bid Form, and described below. The unit price and payment made for each item listed shall constitute full compensation for furnishing all supervision, plant, labor, materials, and equipment, and performing any associated Contractor quality control, environmental protection, meeting safety requirements, tests and reports, and for performing all work required for each of the unit price items.

## 1.4 BIDDING SCHEDULE – BASE BID ITEMS

Payment Items for the work of this contract on which the contract progress payments will be based are listed in Section 00400, Bid Form, and are described below. All costs for items of work, which are not specifically mentioned to be included in a particular Bidding Schedule payment item, shall be included in the listed item most closely associated with the work involved.

## 1.5 CONSTRUCTION STANDARDS AND SPECIFICATIONS

The following current edition standard specifications shall apply to construction on this project: City of New Bedford - Department of Public Infrastructure Construction Standards and Specifications (governing) and MassDOT Standard Specifications including construction & materials manuals (secondary where applicable).

## 1.6 GENERAL WORK ITEMS

If there is a specific Work Item for any of the following items, then the work item shall be included with that specific Item. If there is not a unit line item, the work shall be considered as incidental to the contract, such as but not limited to:

- A. Maintenance, protection, replacement and/or repair of facilities not designated for alteration on the Site.
- B. Management of stockpiles, dewatering, and loading of excess unclassified (uncontaminated) excavated materials and excavated materials requiring Special Handling.
- C. Maintenance, protection, replacement and/or repair of facilities and utilities not designated for alteration on the Site.
- D. Site clearing, grubbing, removal and disposal of surplus excavated material and surface materials, abandon utility materials and structures to a legally approved disposal facility.
- E. Utility exploration and locating, as required for project construction perform exploratory locating, potholing and trenching including backfilling to locate unknown and discovered utilities.
- F. Dewatering.
- G. Excavation.
- H. Pipe bedding and backfill.
- I. Surface Restoration - turf establishment surface restoration and trees and bushes damaged during construction.
- J. Maintenance, protection, replacement and/or repair of facilities not designated for alteration on the Site.
- K. Site access requirements including temporary aggregate material as required for local traffic access.
- L. If crossing or undermining of existing public or private utility, then include: maintaining the utility in service, replacing of existing utilities, if damaged and providing support and bedding material, as required.
- M. Flowable fill for in-place abandonment of existing utility pipe and structure bases, excavation void areas and other ancillary construction backfill.
- N. Protection of construction site from erosion.
- O. Ground freezing.

- P. Compaction or stabilization of the site for Contractor's equipment use.
- Q. Dust control (construction site and adjacent streets).
- R. Traffic control.
- S. Erosion control including permitting, monitoring and agency coordination.
- T. Suppression of dust onsite, as necessary.
- U. Management of odors and noise, as necessary.
- V. Easement and right-of-way requirements.
- W. Regulatory requirements.
- X. Construction surveys, staking, and other field survey work (not provided by Owner, Owner's Representative and Owner's Engineer).
- Y. Quality assurance and quality control testing and inspections (by independent third-party contractor).
- Z. Shop Drawings and other submittals.
- AA. Temporary facilities and utilities.
- BB. Excavation sheeting, shoring, falsework and formwork.
- CC. Pile driving templates and survey as required to ensure accuracy of pile locations during installation.
- DD. Final cleanup and restoration of project site to preconstruction conditions.
- EE. Project close-out requirements including but not limited to warranties, operational manual's, close-out inspections and building occupancy permits.

## **SECTION 01 – GENERAL**

### **Bid Item No. 1 "Mobilization and Demobilization"**

- A. Payment for this item will be limited to 10% of the Total Contract Price or the Sub-Total of the Base Bid Items, whichever is lower. Mobilization and demobilization will be measured as the lump sum to include compensation for project preparations, procurement and assembly of all equipment, materials, supplies and labor and bonds required for the prosecution of the work not otherwise included in other pay items and upon completion of the work as specified and directed, the clean-up of the work areas, removal of equipment, materials and supplies from the work area. Payment will be made for costs associated with mobilization and demobilization for operations



including all incidental work described in the specifications and contract documents. Mobilization shall include the completion of pre-construction submittals, placement and transportation of all equipment to the site, support equipment purchase of materials needed for construction, temporary facilities, and construction of environmental controls.

- B. Demobilization shall include complete restoration of all areas disturbed by the Contractor's operations to their pre-construction conditions, submittal of a complete set of record As-built Drawings and removal of all equipment and temporary construction facilities from the site.
- C. 60% of the lump sum price for mobilization/demobilization unit will be paid to the Contractor upon completion of their mobilization. 30% will be paid upon completion of demobilization and the remaining 10% will be paid upon submission of accepted As-built Drawings for the project. Payment for this item will be limited to 5% of the Total Contract Price or the Sub-Total of the Base Bid Items, whichever is lower. In the event that the Owner considers the lump sum price for the bid item does not bear a reasonable relationship to the cost of the work in this contract, the Owner may require the Contractor to produce cost data to justify the price bid to the satisfaction of the Owner. If the Contractor fails to substantiate the price bid, then payment will be made for actual mobilization and demobilization costs as determined by the Owner. Payment for this item will be considered full compensation for all labor, materials, off-site disposal, and other fees, equipment, supervision, and supplies required for the work. Payment for this item shall be made on the percentage of lump sum of work completed, as determined by the Engineer.
- D. Payment for this item shall include all costs in connection to all preparatory actions associated with work designated on plans including but not limited to: obtaining any necessary permits and approvals not already in place for the work specified in accordance with the Contract, full reimbursement for the premiums actually paid for Performance and Payment Bonds, all costs connected with the mobilization and coordination of the Contractor's equipment (barges, floating platforms, etc.) submittals, materials and equipment furnished for this project moving the Contractor's equipment to the site, accomplishing the work required by the Permits with respect to protection of the environment, and the coordination with the regulatory agencies.
- E. If, for any other reason, the Contractor must shut down and remove his equipment from the site, then remobilize, Owners will not be responsible for payment of additional costs associated with such work. Demobilization shall include general preparation for transfer of equipment to its home base, removal of equipment, and environmental restoration as required from construction, earthwork, and utility construction.
- F. This item includes all onsite work not covered within another Base Bid Item. Costs include, but are not limited to:
  - 1. Oversight and security.

2. Management of odors and noise, as necessary.
3. Demolition water supply, including coordination, metering and payment to the with City for water for demolition/ abatement activities.
4. Coordination of construction with Owner's Terminal Manager, tenants and licensed users of the New Bedford Marine Commerce Terminal, as well as abutters and New Bedford Port Authority.
5. Construction, demolition and utility permitting – this shall include coordination and securing any and all associated state and local governmental permits prior to construction activities. Including but not limited to construction inspections, traffic, stormwater, sewer and water, driveway, sidewalk, erosion control/ disturbance, etc.
6. Construction access and traffic control shall be in accordance with Section 01 57 00, Traffic Regulations. The contract price shall include all coordination activities, temporary signing and barricades necessary to control traffic during construction, including maintaining facility operations access, construction material and equipment deliveries, construction personnel and all traffic safety entering/existing public streets. This includes periodic adjustments, minor/major modifications and temporary flagging necessary to safely maintain construction access and traffic control throughout the duration of the project. All traffic control shall be in accordance with the local jurisdiction, Massachusetts Department of Transportation (MassDOT) and current Manual on Uniform Traffic Control Devices (MUTCD).
7. Construction Survey. Perform all construction survey control network establishment, field staking, all form/grade/quantity verifications, and providing all measurements and field markers for record survey of constructed facility showing horizontal and vertical location of buried utilities, structures, and other features. Includes all as-built grades and elevations of structures, finish surface grading, and providing a complete as-built record drawing for the project.

G. Unit of measure: Lump Sum (LS)

## **Bid Item No. 2 “Traffic Control”**

- A. The Contract price includes all costs associated with providing all required traffic control measure for the project construction and will be measured as Lump Sump. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Includes written traffic control plan and procedure, forms, and contact lists for notification of stakeholders, public notifications/communications per City of New Bedford requirements.
- C. Provide all coordination activities, temporary signing and barricades necessary to control traffic during construction, including maintaining facility operations access,

construction material and equipment deliveries, construction personnel and all traffic safely entering/exiting Wright Street. This item also includes periodic adjustments, minor/major modifications and temporary flagging necessary to safely maintain construction access and traffic control throughout the duration for of the project.

- D. All traffic control shall be in accordance with City of New Bedford requirements, including MassDOT standards and the current MUTCD.
- E. Unit of measure: Lump Sum (LS)

## **SECTION 02 – SOIL REMEDIATION/DISPOSAL**

**Bid Item No. 3      “Disposal of Unsuitable Soil (Environmental PCBs > 25 ppm)”**

**Bid Item No. 4      “Disposal of Unsuitable Soil (Environmental PCBs >1 ppm and <25 ppm)”**

**Bid Item No. 5      “Disposal of Unsuitable Soil (Environmental PCBs <1 ppm)”**

- A. The Contract price includes all costs associated with the removal and disposal of unsuitable soils and will be measured as Ton. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. The Contractor shall dispose of material (as directed within the Contract Documents and otherwise directed by the Owner’s Representative) at the least expensive disposal option that will accept the material (subject to review and approval by the Owner’s Representative), based on pre-disposal characterization to be conducted by the Contractor as stipulated under Section 02 11 10, Excavation and Handling of Contaminated Material.
- C. The Contract price per ton for this item shall include all cost of removal of all material that requires excavation and offsite disposal deemed geotechnically unsuitable by the Owner’s Representative. Contaminated material shall be handled as specified in Section 02 11 10, Excavation and Handling of Contaminated Material. Contractor shall particularly note the holding time, and process for sampling and analysis required for “upper existing material” that is deemed geotechnically unsuitable for reuse and that must be disposed offsite. Transportation and disposal offsite shall be handled as stipulated in Section 02 11 10, Excavation and Handling of Contaminated Material, and related sections. This item includes all costs, direct and indirect, associated with the incidental to, excavation and removal of the material, segregation of debris unsuitable for offsite disposal, environmental protection, meeting the relevant permitting standards, segregation and appropriate stockpiling of the material,

dewatering of the material, and treatment of dewatering fluids. Protective measures to protect existing structures and utilities shall be included.

D. The total amount of material removed and paid for under the contract for this item, will be measured by the ton as measured by the scale of the disposal facility.

E. Unit of measure: Ton (TON)

## **Bid Item No. 6 “Disposal of Miscellaneous Contaminated Items”**

A. The Contract price includes all costs associated with removal and disposal of miscellaneous contaminated items and will be measured as Lump Sum. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.

B. The Contractor shall dispose of miscellaneous materials (as directed within the Contract Documents and otherwise directed by the Owner’s Representative) at the least expensive disposal option that will accept the materials (subject to review and approval by the Owner’s Representative).

C. The Contract lump sum price for this item shall include all costs of removal of all materials that requires offsite disposal as deemed contaminated by the Owner’s Representative. Contaminated materials shall be handled as specified in Section 02 11 10, Excavation and Handling of Contaminated Material. Transportation and disposal offsite shall be handled as stipulated in Section 02 11 10, Excavation and Handling of Contaminated Material, and related sections. This item includes all costs, direct and indirect, associated with the incidental to, removal of the materials, environmental protection, meeting the relevant permitting standards, separation and appropriate stockpiling of the miscellaneous materials, miscellaneous dewatering and treatment of dewatering fluids. Protective measures to protect existing structures and utilities shall be included.

D. Unit of measure: Lump Sum (LS)

## **SECTION 03 – SITE DEMOLITION**

### **Bid Item No. 7 “Erosion Control - Inlet Protection (silt socks)”**

A. The Contract price includes all costs associated with installation, maintenance, replacement, removal/disposal upon project site stabilization and will be measured as Each. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.

B. Unit of measure: Each (EA)

**Bid Item No. 8 “Erosion Control – Silt Fence”**

- A. The Contract price includes all costs associated with installation, maintenance, replacement, removal/disposal upon project site stabilization and will be measured as Linear Feet. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Specified silt fence material is Mirafi Environfence (Mirafi 100X as manufactured by TenCate Geosynthetics) or Amoco 1380 Silt Stop
- C. Unit of measure: Linear Feet (L.F.)

**Bid Item No. 9 “Erosion Control – Trackout Control Pad (stabilized construction entrance)”**

- A. The Contract price includes all costs associated with stabilized construction entrance, including stone and geotextile material and will be measured as Each. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Includes all trackout control pad installation, maintenance during the duration of the project, and removal at the end of the project item.
- C. Unit of measure: Each (EA)

**Bid Item No. 10 “Tree Protection”**

- A. The Contract price includes all costs associated tree protection per drawing detail will be measured as Each. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Unit of measure: Each (EA)

**Bid Item No. 11 “Salvage Chain Link Fence, 8 ft (black vinyl security fence)”**

- A. The Contract price includes all costs associated with salvaging of existing chain link and stockpiling at an onsite location as determined by Owner and will be measured as Linear Feet. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. The Contractor shall dispose of miscellaneous fence materials not salvageable for reuse (as directed within the Contract Documents and otherwise directed by the Owner’s Representative).

**C.** Unit of measure: Linear Feet (L.F.)

### **Bid Item No. 12 “Removal of Chain Link Fence”**

**A.** The Contract price includes all costs associated with removal and disposal of all chain link fencing not scheduled for salvaging, including gates and will be measured as Lump Sum. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.

**B.** Unit of measure: Lump Sum (LS)

### **Bid Item No. 13 “Removal of Asphalt Pavement”**

- A.** The Contract price includes all costs associated with removal of all designated pavement of various depths and composition of materials including required saw cutting and will be measured as Square Yards. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B.** Includes all stockpiling, sorting of recyclables, testing/characterization, hauling and disposing of materials to a legally approved facility.
- C.** Unit of measure: Square Yards (S.Y.)

### **Bid Item No. 14 “Removal of Concrete Pads”**

~~A.D.~~ The Contract price includes all costs associated with excavation, removal and disposal of all miscellaneous concrete foundation pads and will be measured as Lump Sum. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.

~~B.E.~~ Includes all stockpiling, sorting of recyclables, testing/characterization, hauling and disposing of materials to a legally approved facility.

~~C.F.~~ Unit of measure: Lump Sum (LS)

### **Bid Item No. 15 “Building Foundation & Footing Removal”**

- A.** The Contract price includes all costs associated demolition, removal and disposal of all building foundations and footings that will be measured as Lump Sum. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B.** Includes all footings and foundations, surrounding support utilities and all ancillary demolition items shall be considered incidental to this Bid Item.

- C. Includes all stockpiling, sorting of recyclables, testing/characterization, hauling and disposing of materials to a legally approved facility
- D. Unit of measure: Lump Sum (LS)

**Bid Item No. 16 “Removal of Curb”**

- A. The Contract price includes all costs associated with saw-cutting, removal, disposal of existing curb section and will be measured as Feet. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. All curb and pavement removals shall be double saw-cut to full depth and damages beyond those shown in the plans shall be replaced by the contractor without adjustment
- C. Unit of measure: Liner Feet (LF)

**Bid Item No. 17 “Removal of Trees”**

- A. The Contract price includes all costs associated with removing and disposing of roots, stumps and all removed tree debris, and will be measured as Lump Sum. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Unit of measure: Lump Sum (LS)

**Bid Item No. 18 “Removal of Water Line”**

- A. The Contract price includes all costs associated with excavation, removal, disposal backfilling, trench compaction of existing abandoned utility service and will be measured as Linear Feet. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Unit of measure: Linear Feet (L.F.)

**Bid Item No. 19 “Removal of Abandoned Sewer Manhole”**

- A. The Contract price includes all costs associated with excavation, removal, disposal backfilling, trench compaction of existing abandoned utility manhole and will be measured as Each. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Unit of measure: Each (EA)

**Bid Item No. 20      “Removal of Sewer Pipe”**

- A. The Contract price includes all costs associated with excavation, removal, disposal backfilling, trench compaction of existing utility service and will be measured as Linear Feet. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Unit of measure: Linear Feet (L.F.)

**Bid Item No. 21      “Removal of Drainage Structure”**

- A. The Contract price includes all costs associated with excavation, removal, disposal backfilling, trench compaction of existing abandoned drainage structure and will be measured as Each. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Unit of measure: Each (EA)

**Bid Item No. 22      “Removal of Drainage Pipe”**

- A. The Contract price includes all costs associated with excavation, removal, disposal backfilling, trench compaction of existing abandoned drainage pipe and will be measured as Linear Feet. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Unit of measure: Linear Feet (L.F.)

**Bid Item No. 23      “Excavation and Grading”**

- A. The Contract price includes all costs associated with performing all site excavation and on-site grading for the project construction and will be measured as Cubic Yards. Includes excavation to subgrade as shown on the Drawings, hauling of excavated material, placement and compaction of fill excavation meeting the specification requirements, test rolling, off-site disposal of surplus and unsuitable material not incorporated into the project construction. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. All existing topsoil is scheduled to be stripped and disposed of off-site (included in earthwork calculations)
- C. Unit of measure: Cubic Yards (C.Y.).



- D. Measurement shall not be made for this item and payment. The estimated quantity represents the computed volume (includes all site excavation and grading) shown on the Drawings and will be the basis for payment.

## **SECTION 04 – SITE LAYOUT AND MATERIALS**

### **Bid Item No. 24 “Heavy-Lift Section - Dense Graded Aggregate (furnish and place)”**

- A. The Contract price includes all costs associated with preparation of subgrade, placement and compaction to the thickness shown on the drawings, maintenance until project closeout and will be measured as Tons. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Conform to requirements of MassDOT Standard Specification gradation requirements for processed gravel for subbase aggregate as specified in Table M1.03.1-1.
- C. Unit of measure: Tons (TON)
- D. Measurement for payment will be the actual amount of material required and incorporated in the work verified by submitting to the Engineer delivery tickets provided with each load showing the weight measured on a certified scale, type of material, the date delivered and the project name.

### **Bid Item No. 25 “Infiltration Trench Aggregate – 1-1/2” washed crushed stone (furnish and place)”**

- A. The Contract price includes all costs associated with preparation of subgrade, placement and compaction to the thickness shown on the Drawings, maintenance until project closeout and will be measured as Tons. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Unit of measure: Tons (TON)
- C. Measurement for payment will be the actual amount of material required and incorporated in the work verified by submitting to the Engineer delivery tickets provided with each load showing the weight measured on a certified scale, type of material, the date delivered, and the project name.

### **Bid Item No. 26 “Geogrid - Tensar Interax NXF (furnish and place)”**

### **Bid Item No. 27 “Geotextile – Tensar Interax NXF Filtergrid (furnish and place)”**

**Bid Item No. 28      “Geotextile - Mirafi 140 N (furnish and place)”**

- A. The Contract price includes all costs associated with placement and installation of geogrid and geotextile for subgrade reinforcement and will be measured as Square Yards. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Specified heavy-lift geogrid material is Tensar Interax NXF Geogrid
- C. Specified heavy-lift geotextile material is Tensar Interax NXF Filtergrid
- D. Specified infiltration trench geotextile material is Mirafi 140 N.
- E. Unit of measure: Square Yards (S.Y.)
- F. Measurement for payment will be the actual square yards installed per manufacturer’s product specifications (not including overlap).

**Bid Item No. 29      “Preparation of Subgrade”**

- A. The Contract price includes all costs associated with preparation of the subgrade under the proposed aggregate heavy-lift section area and will be measured as Square Yards. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Work requires a uniform composition of at least 12 inches below the top of subgrade under the new aggregate section, plus 2 feet on each side to compaction requirements as specified. Includes, but is not limited to, excavating, manipulating, replacing, compacting, and trimming to the proper grade.
- C. Unit of measure: Square Yards (S.Y.)

**Bid Item No. 30      “Timber Border (12”x10” pressure-treated pine timbers, painted yellow)**

- A. The Contract price includes all costs associated with installation of timber border delineating the heavy-lift terminal limits and will be measured as Linear Feet. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Includes 12”x10” pressure-treated pine timbers in minimum 8-foot length, painted with two (2) coats of yellow all-weather paint (exterior 100% acrylic latex). Provide timber paint pre-construction mockup for approval prior to material procurement.
- C. Unit of measure: Linear Feet (L.F.)

**Bid Item No. 31 “Chain Link Fence, Security, 8 ft –Black Vinyl Coated (salvaged reinstallation)”****Bid Item No. 32 “Chain Link Fence, Security, 8 ft –Black Vinyl Coated (furnish & install, new)”****Bid Item No. 33 “Chain Link Fence, 8 ft - Temporary Construction (furnish & install, new)”**

- A. The Contract price includes all costs associated with installation of chain link fencing and will be measured as Linear Feet. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. For salvaged black vinyl chain link fencing permanent reinstallation, this item includes supply and installation of the site security fencing as defined in Section 32 31 13, Chain Link Fences and Gates, and otherwise indicated on the Drawings. All security fencing shall include three-strand barb wire to match existing terminal fencing.
- C. For salvaged permanent fencing reinstallation, item shall include installation of salvaged chain link fence fabric and providing new posts, concrete foundations, rails, bracing, three-strand barb wire and fittings/couplings as indicated on the Drawings.
- D. For temporary construction fencing, item shall include installation of a new chain link (8-foot height) including new posts, rails, bracing and fittings/couplings, including industrial chain link fence panel barrier base for connecting two panels and include four (4) 50 lb. sandbags placed on each base. All fence panels (10 gauge) shall be 12' x 8' with top/bottom rails with one vertical and one horizontal brace. Contractor shall furnish and install new industrial chain link temporary fence that shall be the property of the Owner following project closeout.
- E. Unit of measure: Linear Feet (L.F.)

**Bid Item No. 34 “Post-Construction Site Access”**

- A. The Contract price includes all costs associated with stabilized construction entrance, including stone and geotextile material and will be measured as Lump Sum. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Includes all trackout control pad installation, salvaged timbers for base support over stormwater chambers, steel plates and maintenance during the duration of the project.
- C. Unit of measure: Lump Sum (L.S.)

**SECTION 05 – STORMWATER DRAINAGE IMPROVEMENTS****Bid Item No. 35 “Ferguson Waterworks, R-Tank 2.0 Stormwater Chambers (HD Heavy Duty)”****Bid Item No. 36 “Ferguson Waterworks, R-Tank 1.5 Stormwater Chambers (HD Heavy Duty)”**

- A. The Contract price includes all costs associated with installation of underground stormwater modules providing storage depth and footprint as shown on the Drawings and will be measured as Each. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Includes all required ancillary materials, including but not limited to, excavation and trenching, sheeting and shoring, geotextile fabric, crushed stone bedding and backfill material, backfill and trench compaction, gaskets, fittings and adaptors for connections and all other incidentals as required for complete installation.
- C. Bid Item includes: R-Tank modules, ACF N-series medium-weight (8 oz) non-woven geotextile (M200) for tank modules and excavation including top and 1.5” washed crushed stone aggregate
- D. Unit of measure: Each (EA)

**Bid Item No. 37 “Stormceptor Water Quality Units (Contech-STC900)”**

- A. The Contract price includes all costs associated with water quality unit installation and will be measured as Each. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Specified water quality unit is Contech-STC900.
- C. Includes all required ancillary materials, including but not limited to, excavation and trenching, sheeting and shoring, crushed stone bedding and backfill material, backfill and trench compaction, gaskets, fittings and adaptors for connections and all other incidentals as required for complete installation.
- D. Unit of measure: Each (EA)

**Bid Item No. 38 “Stormwater Backwater Valve (NAPCO 30” in-line)”**

- A. The Contract price includes all costs associated with stormwater backwater valve installation and will be measured as Each. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.

- B. Specified backwater valves is NAPCO 30" in-line. Requires concrete collar connection to reinforced concrete pipe (RCP).
- C. Includes all required ancillary materials, including but not limited to, excavation and trenching, sheeting and shoring, crushed stone bedding and backfill material, backfill and trench compaction, gaskets, fittings and adaptors for connections, installation certification and testing and all other incidentals as required for complete installation.
- D. Unit of measure: Each (EA)

**Bid Item No. 39 "Stormwater Outlet Control Structure (special 48" precast concrete)"**

- A. The Contract price includes all costs associated with stormwater outlet control structure and will be measured as Each. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Specified stormwater outlet control structure as detailed on the Drawings.
- C. Includes all required ancillary materials, including but not limited to, excavation and trenching, sheeting and shoring, crushed stone bedding and backfill material, backfill and trench compaction, gaskets, fittings and adaptors for connections and all other incidentals as required for complete installation.
- D. Unit of measure: Each (EA)

**Bid Item No. 40 "Storm Drain Manhole (48" precast concrete)"**

- A. The Contract price includes all costs associated with storm drain manholes and will be measured as Each. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Specified stormwater outlet control structure as detailed on the Drawings.
- C. Includes all required ancillary materials, including but not limited to, excavation and trenching, sheeting and shoring, crushed stone bedding and backfill material, backfill and compaction, gaskets, fittings and adaptors for connections and all other incidentals as required for complete installation.
- D. Unit of measure: Each (EA)

**Bid Item No. 41 "Stormwater System HDPE Piping (ADS N-12 Dual Wall varying sizes)"**

- A. The Contract price includes all costs associated with stormwater piping and will be measured as Linear Feet. Payment shall be made for all cost, including but not limited

to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.

- B. Includes all required ancillary materials, including but not limited to, excavation and trenching, sheeting and shoring, pipe, crushed stone bedding and backfill material, backfill and trench compaction, gaskets, fittings and adaptors for connections and all other incidentals as required for complete installation.
- C. Specified pipe material is ADS N-12 Dual Wall HDPE smooth wall interior for all pipe sizes as noted on the Drawings.
- D. Unit of measure: Linear Feet (L.F.)
- E. Measurement will be per actual horizontal length along the centerline of the pipe, not including structures or flared end sections.

**Bid Item No. 42      “Stormwater Landscape Drain (ADS Nyloplast)”**

- A. The Contract price includes all costs associated with stormwater landscape drain and will be measured as Each. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Specified stormwater landscape drain is ADS Nyloplast drainage structures.
- C. Includes all required ancillary materials, including but not limited to, excavation and trenching, sheeting and shoring, crushed stone bedding and backfill material, backfill and trench compaction, gaskets, fittings and adaptors for connections and all other incidentals as required for complete installation.
- D. Unit of measure: Each (EA)

**SECTION 06 – ELECTRICAL UTILITIES**

**Bid Item No. 43      “Conduit, Schedule 80 PVC (2.5-inch direct buried duct bank)”**

**Bid Item No. 44      “Conduit, Schedule 80 PVC (3.0-inch direct buried duct bank)”**

- A. The Contract price includes all costs associated with direct buried PVC conduit and will be measured as Linear Feet. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.

- B. Includes all required ancillary materials, including but not limited to, excavation and trenching, bedding and backfill of native material, backfill and trench compaction, gaskets, fittings and adaptors for connections and all other incidentals as required for complete installation.
- C. Unit of measure: Linear Feet (L.F.)

## **SECTION 07 – LANDSCAPING**

### **Bid Item No. 45 “Surface Restoration - Loam and Hydroseed”**

- A. The Contract price includes all costs associated with stabilized surface restoration and will be measured as Square Feet. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Includes all required ancillary materials, including but not limited to, deep de-compaction of work areas, finish grading and surface preparation, furnishing and placement of suitable borrow loam material to depth as specified on the Drawings, seed fertilizing, mulching, erosion matting, watering and maintenance/repair until vegetative surface has become well established following construction.
- C. Surface Restoration requirements and seeding season (planting dates) shall be evaluated as construction progresses to determine the need for interim restoration measures (dormant seeding or temporary stabilization crop) prior to final surface restoration, as determined by the Engineer.
- D. Unit of measure: Square Feet (S.F.)

### **Bid Item No. 46 “Inlet Protection - Silt Sacks” (on-site)**

- A. The Contract price includes all costs associated with installation, maintenance, replacement, removal/disposal of inlet protection upon project site stabilization and will be measured as Each. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Unit of measure: Each (EA)

## **SECTION 08 – OFF-SITE IMPROVEMENTS**

### **Bid Item No. 47 “Sewer Drain Disconnections”**

- A. The Contract price includes all costs associated with utility disconnections (storm and sanitary) per City requirements and will be measured as Each. Payment shall be made

for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.

- B. Includes all required ancillary materials, including but not limited to, excavation and trenching, waste utility pipe/excavation material removal and disposal, sheeting and shoring, miscellaneous concrete, pipe section replacement, crushed stone bedding and trench backfill material, flowable fill, backfill and trench compaction, gaskets, fittings and adaptors for disconnections connections and all other incidentals as required for complete drain disconnection.
- C. Unit of measure: Each (EA)

#### **Bid Item No. 48 “Domestic Water Disconnections”**

- A. The Contract price includes all costs associated with water service disconnections per standard City construction requirements and will be measured as Each. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Includes all required ancillary materials, including but not limited to, excavation and trenching, waste utility pipe/excavation material removal and disposal, sheeting and shoring, miscellaneous concrete, pipe section replacement, crushed stone bedding and trench backfill material, backfill and trench compaction, gaskets, fittings and adaptors for disconnections connections and all other incidentals as required for complete drain disconnection.
- C. Unit of measure: Each (EA)

#### **Bid Item No. 49 “Storm Drain Connection”**

- A. The Contract price includes all costs associated with storm drain connection to existing system per standard City construction requirements and will be measured as Each. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Includes all required ancillary materials, including but not limited to, excavation and trenching, waste utility pipe/excavation material removal and disposal, sheeting and shoring, miscellaneous concrete, pipe/manhole section replacement, crushed stone bedding and trench backfill material, backfill and trench compaction, gaskets, fittings and adaptors for disconnections connections and all other incidentals as required for complete drain disconnection.
- C. Unit of measure: Each (EA)

#### **Bid Item No. 50 “Stormwater RCP Piping (30" Dia. Class V)”**

- A. The Contract price includes all costs associated with stormwater piping and will be measured as Linear Feet. Payment shall be made for all cost, including but not limited



to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.

- B. Includes all required ancillary materials, including but not limited to, excavation and trenching, sheeting and shoring, pipe, crushed stone bedding and backfill material, backfill and trench compaction, gaskets, fittings and adaptors for connections and all other incidentals as required for complete installation.
- C. Specified pipe material is RCP Class V.
- D. Unit of measure: Linear Feet (L.F.)
- E. Measurement will be per actual horizontal length along the centerline of the pipe, not including structures or flared end sections.

### **Bid Item No. 51      “HMA Pavement Restoration”**

- A. The Contract price includes all costs associated with all required street replacement repairs (all elements of removal and replacement) per City of New Bedford construction requirements and will be measured as Square Yards. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Furnish and install asphalt pavement base and surface course, as specified on the Drawings or as approved by the Construction Project Manager or the Engineer.
- C. Includes all required ancillary materials, including but not limited to, excavation, base course gravel, HMA pavement, pavement milling and removal, compaction, subgrade preparation, saw cutting of damaged pavements designated to be preserved and all other construction aspects as required per the City of New Bedford construction standards.
- D. Unit of measure: Square Yards (S.Y.)

### **Bid Item No. 52      “Cement Concrete Sidewalk”**

- A. The Contract price includes all costs associated with removal and replacement of concrete sidewalk and will be measured as Square Yards. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B. Includes all required ancillary materials, including but not limited to, excavation, base course gravel, cement concrete, compaction, subgrade preparation, saw cutting of damaged pavements designated to be preserved and all other construction aspects as required per the City of New Bedford construction standards.
- C. Unit of measure: Square Yards (S.Y.)

**Bid Item No. 53      “Curb Replacement (Type VA1 vertical curb straight)”**

- A.     The Contract price includes all costs associated with removal and replacement of street curb and will be measured as Linear Feet. Payment shall be made for all cost, including but not limited to, furnishing all labor, materials, equipment, and incidentals as required for this Bid Item.
- B.     Includes all required ancillary materials, including but not limited to, excavation, base course gravel, vertical granite curb, cement concrete, HMA gutter surface pavement, compaction, subgrade preparation, pavement milling, saw cutting of damaged pavements designated to be preserved and all other construction aspects as required per the City of New Bedford construction standards.
- C.     Unit of measure: Linear Feet (L.F.)

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION