

TOWN OF NORTH ANDOVER  
NORTH LAKE COCHICHEWICK BOAT LAUNCH  
ADDENDUM NO. 1  
JUNE 9, 2025

General Bids will be received until 11:00 a.m. prevailing time on Thursday June 12, 2025. All bids shall be submitted online at [www.Projectdog.com](http://www.Projectdog.com) and titled "North Lake Cochichewick Boat Launch". All electronic bids are compiled in real time upon bid close and published forthwith on ProjectDog.com. Official bid tabulations shall be posted on ProjectDog.com.

The attention of all bidders submitting proposals for the above referenced project is called to the following Addendum to the drawings and specifications (Contract Documents). The items set forth herein, whether of omission, addition, substitution, or clarification, are all to be included in and form a part of the proposed work.

Inclusion of this Addendum must be acknowledged by the bidders by inserting its number on the appropriate line of the Bid Form (Section 00301). Failure to acknowledge any and all addenda in the above specified bid form, and/or omission of the signed addendum shall be cause for rejections by the Town of North Andover, on the grounds that the bid is not responsive.

Make the following changes, revisions, additions, and/or deletions to the Contract Documents:

### Contract & Specifications Changes

1. Specification Section: **Section 00301 – Bid Form**
  - a. Remove and Replace Specification Section 00301 in its entirety with the attached revised Specification Section 00301 – Bid Form.

### Drawing Changes

1. Contract Drawings: **Sheet CD-3 – Civil Construction Details III**
  - a. Under the Ornamental Fence Detail, remove reference to any and all fence height referring to 4-2" or otherwise and replace with **"42-inches."**
  - b. Replace Note 3 in its entirety with the following **"3. Fence shall be Montage Plus Majestic Style as manufactured by Ameristar, or approved equal."**
2. Contract Drawings: **Sheet CD-5 – Civil Construction Details V**
  - a. Remove Sheet CD-5 in its entirety and replace it with the attached revised Sheet CD-5 – Civil Construction Details V.

## Questions, Responses & Clarifications

### SumCo Eco-Contracting, LLC

**Question 1: We are wondering if this lake has an existing outlet and if lowering the water level is possible for this project? Or should we assume that the project will need to be completed at the average annual water levels.**

Response: *Lowering the lake water levels is not possible for this project. Lake Cochichewick is the Town of North Andover's water supply and must be maintained as high as possible at all times. The in-water work will require installation of a turbidity curtain and portable cofferdams as shown on the Design Drawings. Cofferdam design shall be based on the average recorded reservoir water elevation. Refer to Appendix G of the project specifications for historic water elevation data.*

### GVW Construction, Inc.

**Question 2: How deep is the water, including the sediment depth, where the dam(s) will be placed?**

Response: *The sediment depth varies, bidders can assume a sediment depth maximum of 2-feet. Historic water elevation data is available in Appendix G of the project specifications. For detailed bathymetry information, refer to the Design Drawings.*

**Question 3: Are the dams going in a straight line, U shape, L shape, etc. If a straight line, what is the distance, water's edge to water's edge. If a U shape, what are the lengths of all 3 legs?**

Response: *Cofferdams are shown as approximate on the Drawings. Cofferdam shapes may vary, provided they allow the work to be completed in dry conditions. The cofferdams should be positioned as close as practicable to the work areas without impacting the proposed construction.*

**Question 4: What is the flow rate (if any) of water where the dams will be placed?**

Response: *There is no directional flow within the lake. Dewatering shall be designed in accordance with the Design Drawings and project specifications.*

**Question 5: How long will the dams be in place for?**

Response: *The cofferdams shall remain in-place until all in-water work is complete and accepted by the Engineer. For the suggested sequence of work, refer to Sheet G-1 of the Design Drawings.*

**Question 6: What is the makeup of the water floor (rocky, sandy, muddy, etc.)?**

Response: *Within 5 feet of the existing bank, the substrate consists mostly of rock with sand. Beyond 5 feet, assume a maximum 2-feet of sediment with sand bedding underneath. No soil exploration was completed within the water body of the lake.*

**E.T. & L. Corporation**

**Question 7: On plan sheet CD-5, the vertical scale on the "MSE Block Wall Profile" appears to be incorrect. Please review and adjust the scale or the drawing.**

Response: *The vertical scale for the "MSE Block Wall Profile" on Sheet CD-5 has been revised. The updated Sheet CD-5 is attached to this addendum.*

**Question 8: Please clarify how Item 14 will be measured. The quantity seems to be double the length of the duct bank, but the Measurement and Payment section indicates that measurement will be made linear between the two conduits.**

Response: *The Bid Form has been revised to show the correct quantity of duct bank.*

**Question 9: Please clarify the height of the ornamental fence. The item description (18b - 42" Safety Railing) and the spec section state that the fence is to be 42" tall, however, the "Ornamental Fence Detail" on Sheet CD-3 depicts the fence as 4'-2" tall.**

Response: *The ornamental safety railing shall have a height of 42-inches. See the Drawing Changes section for additional clarifications.*

**Clarifications**

1. The current plan holder's list has been attached to this Addendum.

**Attachments:**

1. Specification Section 00301 – Bid Form
2. Sheet CD-5 – Civil Details IV
3. North Lake Cochichewick Plan Holder's List

**END OF ADDENDUM NO. 1**

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**TOWN OF NORTH ANDOVER, MASSACHUSETTS  
N. LAKE COCHICHEWICK BOAT LAUNCH**

**ADDENDUM #1**

**ATTACHMENT 1**

SECTION 00301

BID FORM

To the Town of North Andover, Massachusetts, acting through its Town Administrator ("the Owner"):

**Regarding: North Lake Cochichewick Boat Launch**

**The Owner reserves the right to reject any bid in the event that any bid item or items are obviously unbalanced or appear to the Owner to be so unbalanced as to affect or to be liable to affect adversely any interest of the Owner.**

**The Owner reserves the right to reject any or all bids if it deems it to be in its best interest to do so.**

**The Owner reserves the right to award the Contract based on sufficiency of appropriated funds to complete the work.**

The Undersigned, as Bidder, declares as follows:

- The only parties interested in this BID as Principals are named herein;
- This BID is made without collusion with any other person, firm, or corporation;
- No officer, agent, or employee of the Owner is directly or indirectly interested in this BID;
- The Bidder has carefully examined the site 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 has carefully read and examined the Drawings, the annexed proposed AGREEMENT and the Specifications and other Contract Documents therein referred to and knows and understands the terms and provisions thereof;
- Bidder understands that information relative to subsurface and other conditions, natural phenomena, existing pipes and other structures (surface and/or subsurface) has been furnished only for his information and convenience without any warranty or guarantee, express or implied, that the subsurface and/or other conditions, natural phenomena, existing pipes and other structures (surface and/or subsurface) actually encountered will be the same as those shown on the Drawings or in any of the other Contract Documents and agrees that the Bidder shall not use or be entitled to use any such information made available to him through the Contract Documents or otherwise obtained by him in his own examination of the site, as a basis of or ground for any claim against the Owner or the Engineer arising from or by reason of any variance which may exist between the aforesaid

information made available to or acquired by him and the subsurface and/or other conditions, natural phenomena, existing pipes and/or other structures (surface and/or subsurface) actually encountered during the construction work, and has made due allowance therefore in this BID;

- Bidder understands that the quantities of work tabulated in this BID or indicated on the Drawings or in the Specifications or other Contract Documents are approximate and are subject to increase or decrease as deemed necessary by the Engineer; and
- Bidder agrees that, if this BID is accepted, Bidder will contract with the Owner using substantially the same form as the contract for the Town of North Andover provided herein, which incorporates all Contract Documents deposited in the office of the Engineer, this BID Form being part of said Contract Documents, and that the Bidder will perform all the work and furnish all the materials and equipment, and provide all labor, services, plant, machinery, apparatus, appliances, tools, supplies and all other things required by the Contract Documents in the manner and within the time therein prescribed and according to the requirements of the Engineer as therein set forth, and that the Bidder will take in full payment therefore the lump sum or unit price applicable to each item of the Work as stated in the following schedule:

**Bidders must bid on each item of the Base Bid.** All entries in the entire BID must be made clearly and in ink; bid prices must be written in both words and figures. In case of discrepancy, the written word shall govern.

Bidders shall insert extended item prices obtained from quantities and unit prices. In case of discrepancy between the products obtained by multiplying the estimated quantity by the unit price, the actual product shall apply. In case of discrepancy between the sum of the total figure of the items and the total amount listed, the actual sum shall apply.

Refer to Section 01024 - Measurement and Payment for Item Descriptions.

Addenda: This BID includes Addenda numbered \_\_\_\_\_ to \_\_\_\_\_ (To be filled in by Bidder if Addenda are issued.)

(Bidder) \_\_\_\_\_

(by) \_\_\_\_\_

(Title) \_\_\_\_\_

**PART I – BASE BID (ITEMS 1- 27)**

<b>Item No.</b>	<b>Item Description and Unit Price in Words</b>	<b>Units</b>	<b>Estimated Quantity</b>	<b>Unit Price (In Figures)</b>	<b>Extended Amount (In Figures)</b>
<b>1</b>	Mobilization and Demobilization (inc. bonds and insurance) _____	LS	1		
<b>2</b>	Turbidity Curtain, Portable Dam, Dewatering, and Treatment _____	LS	1		
<b>3</b>	Mechanically Stabilized Earth (MSE) Block Retaining Wall _____	SF	850		
<b>4</b>	Permeable Paver Boat Launch _____	LS	1		
<b>5</b>	Rip Rap Bank Stabilization _____	LS	1		
<b>6</b>	Site Clearing, Grubbing, and Tree Removal _____	LS	1		
<b>7</b>	Site Grading _____	LS	1		



<b>Item No.</b>	<b>Item Description and Unit Price in Words</b>	<b>Units</b>	<b>Estimated Quantity</b>	<b>Unit Price (In Figures)</b>	<b>Extended Amount (In Figures)</b>
<b>8a</b>	Permeable Concrete Pavers (Stone Filled) _____	SY	850		
<b>8b</b>	Permeable Concrete Pavers (Loam and Seed Filled) _____	SY	300		
<b>9</b>	12" RCP Drain Pipe _____	LF	50		
<b>10a</b>	12" Drain Flared End Section _____	EA	1		
<b>10b</b>	2-ft Dia. Drain Structure _____	EA	1		
<b>11a</b>	Additional Crushed Stone _____	CY	5		
<b>11b</b>	Rip-Rap (Infiltration Basins and Misc. Areas) _____	CY	15		

<b>Item No.</b>	<b>Item Description and Unit Price in Words</b>	<b>Units</b>	<b>Estimated Quantity</b>	<b>Unit Price (In Figures)</b>	<b>Extended Amount (In Figures)</b>
<b>12</b>	Additional Excavation of Unsuitable Materials _____	CY	50		
<b>13</b>	Electrical Handholes _____	EA	2		
<b>14</b>	4" PVC Electrical Conduit (2-each) _____	LF	120		
<b>15</b>	3.5" Miscellaneous Pavement (Driveway) _____	SY	55		
<b>16a</b>	Loam and Seed (Infiltration Basins) _____	SY	260		
<b>16b</b>	Loam and Seed (All Other Areas) _____	SY	1,260		
<b>17</b>	Trees _____	EA	17		

<b>Item No.</b>	<b>Item Description and Unit Price in Words</b>	<b>Units</b>	<b>Estimated Quantity</b>	<b>Unit Price (In Figures)</b>	<b>Extended Amount (In Figures)</b>
<b>18a</b>	36" Wooden Post Rope Fence _____	LF	220		
<b>18b</b>	42" Safety Railing _____	LF	125		
<b>19</b>	New Guardrail _____	LF	205		
<b>20</b>	Site Accessories (Bollards, Gates, Signs, Boulders, Boat Racks) _____	LS	1		
<b>21</b>	Filter Sock _____	LF	1,000		
<b>22</b>	Silt Fence _____	LF	700		
<b>23</b>	Silt Sacks _____	EA	2		

<b>Item No.</b>	<b>Item Description and Unit Price in Words</b>	<b>Units</b>	<b>Estimated Quantity</b>	<b>Unit Price (In Figures)</b>	<b>Extended Amount (In Figures)</b>
<b>24</b>	Rock Excavation _____	CY	10		
<b>25</b>	Allowance for Material and Soil Testing <u>Twenty Thousand Dollars and Zero Cents</u>	LS	1	\$20,000.00	\$20,000.00
<b>26a</b>	Sediment Disposal – Contaminated and Impacted Soils _____	TONS	90		
<b>26b</b>	Sediment Disposal – Unimpacted and Uncontaminated Soils _____	TONS	30		
<b>27</b>	Miscellaneous Work _____	LS	1		

**TOTAL FOR BASE BID (ITEMS 1- 27)**

Total Amount of Base Bid.

\$

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(Amount in figures)

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(Amount in words)

Basis of Award: The basis of award shall be at the Owner's sole discretion, contingent on the Base Bid Price first and Bid Alternatives will be added in sequential order. The grand total of the Base Bid, will be used to determine the lowest responsive bidder, unless the Town elects to add the Bid Alternatives. Each Bid Alternative will be added to the Basis of Award in sequential order starting with Bid Alternative A. Contract to be awarded to the lowest responsible and eligible bidder in compliance with Sections 39M inclusive of Chapter 30 of the General Laws of the Commonwealth of Massachusetts.

Requirements: Specific items of this Contract may be eliminated or reduced in quantity to keep within limits of available funding, at the OWNER'S option. All of the above items shall include all labor, materials, equipment, hauling, disposal, transportation, overhead, profit and insurance to cover the work as required in the Contract Documents.

The undersigned agrees that extra work, if any, will be performed in accordance with Article 11 of the General Conditions of the Contract and will be paid for in accordance with Article 13 of the General Conditions of the Contract.

An unbalanced or unreasonable lump sum and/or unit price submitted herein may be considered as non-responsive to the Instructions to Bidders.

The bid security accompanying this BID shall be in the amount of five percent (5%) of the BID.

The Bidder, by submittal of this BID, agrees with the Owner that the amount of the bid security deposited with this BID fairly and reasonably represents the amount of damages the Owner will suffer due to the failure of the Bidder to fulfill his agreements as above provided.

As provided in the INSTRUCTIONS TO BIDDERS, the Bidder hereby agrees that he will not withdraw this BID within ninety (90) consecutive calendar days after the actual date of the opening of Bids and that, if the Owner shall accept this BID, the Bidder will duly execute and acknowledge the AGREEMENT and furnish, duly executed and acknowledged, the required CONTRACT BONDS within ten (10) days after notification that the AGREEMENT and other Contract Documents are ready for signature.

Construction shall be substantially complete within **90 calendar days** from and including issuance of a notice to proceed. Construction shall be finally complete within **150 calendar days** from and including issuance of a notice to proceed. Liquidated damages for each calendar day of delay shall be \$1,000 as stipulated in the AGREEMENT.

Should the Bidder fail to fulfill any of his agreements as herein above set forth, the Owner shall have the right to retain as liquidated damages the amount of the bid check or cash which shall become the Owner's property. If a bid bond was given, it is agreed that the amount thereof shall be paid as liquidated damages to the Owner by the Surety.

The undersigned as Bidder, hereby certifies that he is aware of the applicable requirements of the Williams-Steiger Occupational Safety and Health Act of 1970. (O.S.H.A.), and all latest revisions thereto, and that this Proposal is prepared on the basis of compliance with those requirements.

The undersigned as Bidder, hereby certifies that he will maintain records in reasonable detail, which accurately and fairly reflect the financial transactions and disposition of the Bidder, in accordance with M.G.L. Chapter 30, Section 30R.

The undersigned hereby certifies that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the work and that he will comply fully with all laws and regulations applicable to awards made subject to MGL Ch. 30, Section 39M. The bidding and award of the contract will be in full compliance with Section 39M inclusive of Chapter 30 of the General Laws of the Commonwealth of Massachusetts as last revised.

The undersigned further certifies under penalty of perjury that the said undersigned is not presently debarred from doing public construction work in the Commonwealth under the provisions of section twenty-nine F of chapter twenty-nine, or any other applicable debarment provisions of any other chapter of the General Laws or any rule or regulation promulgated thereunder.

Pursuant to G.L. c.62C, §49A, the undersigned bidder certifies under penalties of perjury that the he/she/it has complied with all laws of the commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

The undersigned certifies under penalties of perjury that this bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this paragraph the word "person" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity.

The following documents are attached to and made a condition of the bid, and shall be filed with the bid:

- **Bid Security (5%) and Affidavit**
- **Completed and signed Bid Proposal and Project Reference List (Section 00301)**
- **Completed Certificate of Non-Collusion (Section 00520-8)**
- **Completed Certificate of Tax Compliance (Section 00520-8)**
- **Completed Labor Harmony and OSHA Training Requirements (00520-9)**
- **Completed Certificate of Vote (Corporation Only) (Section 00520-10)**
- **List of Proposed Sub-Contractors**

This Proposal must bear the written signature of the Bidder or that of his duly authorized agent. If the Bidder is a corporation or a partnership, the bid must be signed by a duly authorized officer of such corporation or by a Partner and the title of such officer must be stated. Satisfactory completion of the following data is an essential part of submission of this Proposal and is required. Bid must be embossed with corporate seal.

---

(Name of General Bidder)

By \_\_\_\_\_ Date \_\_\_\_\_

(Signature and title of authorized representative)

SEAL

---

(Telephone)

---

(Business address)

---

(E-mail Address)

---

(City, State, Zip)

The Bidder is requested to list five (5) or more of your firm's projects in the past 10 years in the Commonwealth of Massachusetts of a similar character as required for acceptable bid. References will enable the Owner to judge the Contractor's qualifications, experience, skill, and business standing.

Project Name: \_\_\_\_\_

Project Location: \_\_\_\_\_

Contract Amount: \$ \_\_\_\_\_ Completion Date \_\_\_\_\_

Owner: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Telephone: \_\_\_\_\_

Architect/Engineer: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Telephone: \_\_\_\_\_

Project Name: \_\_\_\_\_

Project Location: \_\_\_\_\_

Contract Amount: \$ \_\_\_\_\_ Completion Date \_\_\_\_\_

Owner: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Telephone: \_\_\_\_\_

Architect/Engineer: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Telephone: \_\_\_\_\_



Project Name: \_\_\_\_\_

Project Location: \_\_\_\_\_

Contract Amount: \$ \_\_\_\_\_ Completion Date \_\_\_\_\_

Owner: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Telephone: \_\_\_\_\_

Architect/Engineer: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Telephone: \_\_\_\_\_

Project Name: \_\_\_\_\_

Project Location: \_\_\_\_\_

Contract Amount: \$ \_\_\_\_\_ Completion Date \_\_\_\_\_

Owner: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Telephone: \_\_\_\_\_

Architect/Engineer: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Telephone: \_\_\_\_\_

Project Name: \_\_\_\_\_

Project Location: \_\_\_\_\_

Contract Amount: \$ \_\_\_\_\_ Completion Date \_\_\_\_\_

Owner: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Telephone: \_\_\_\_\_

Architect/Engineer: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Telephone: \_\_\_\_\_

[ADD SUPPLEMENTARY PAGES AS NECESSARY]

END OF SECTION 00301

**TOWN OF NORTH ANDOVER, MASSACHUSETTS  
N. LAKE COCHICHEWICK BOAT LAUNCH**

**ADDENDUM #1**

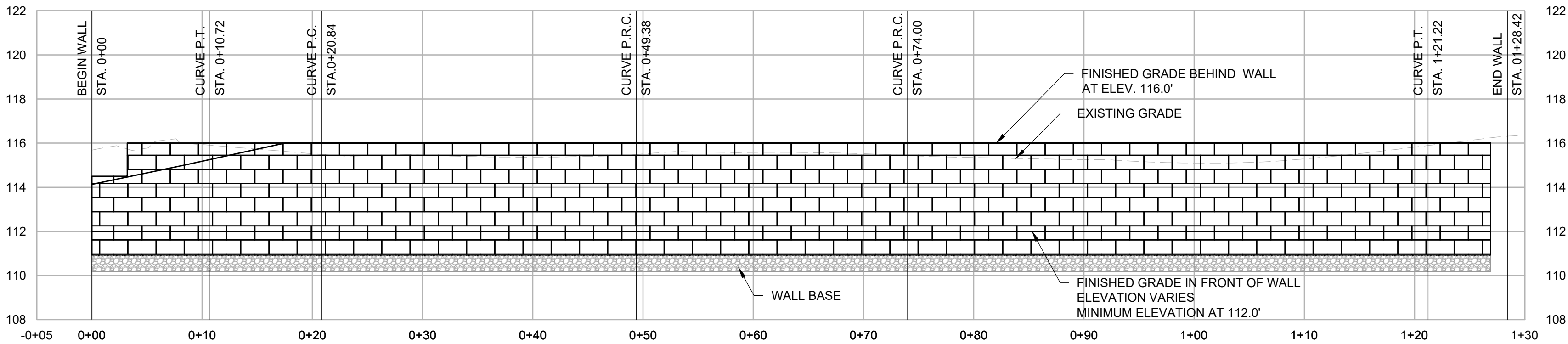
**ATTACHMENT 2**

NOTES:

1. CONTRACTOR SHALL SUBMIT MA PROFESSIONAL ENGINEER STAMPED SUBMITTAL FOR THE MECHANICALLY STABILIZED EARTH (MSE) BLOCK WALL AS MANUFACTURED BY STONE STRONG OR APPROVED EQUAL AS DETERMINED BY THE ENGINEER.
2. ASSUME CONDITIONS BELOW THE BASE OF THE PROPOSED WALL INCLUDE LOOSE TO DENSE POORLY GRADED COHESIONLESS SANDY SOILS WITH SOME SILT. BORING LOGS ARE PROVIDED IN THE APPENDICES OF THE PROJECT SPECIFICATIONS.
3. THE CONTRACTOR SHALL BASE THE MSE WALL DESIGN ON THE FOLLOWING IN-SITU SOIL PROPERTIES:

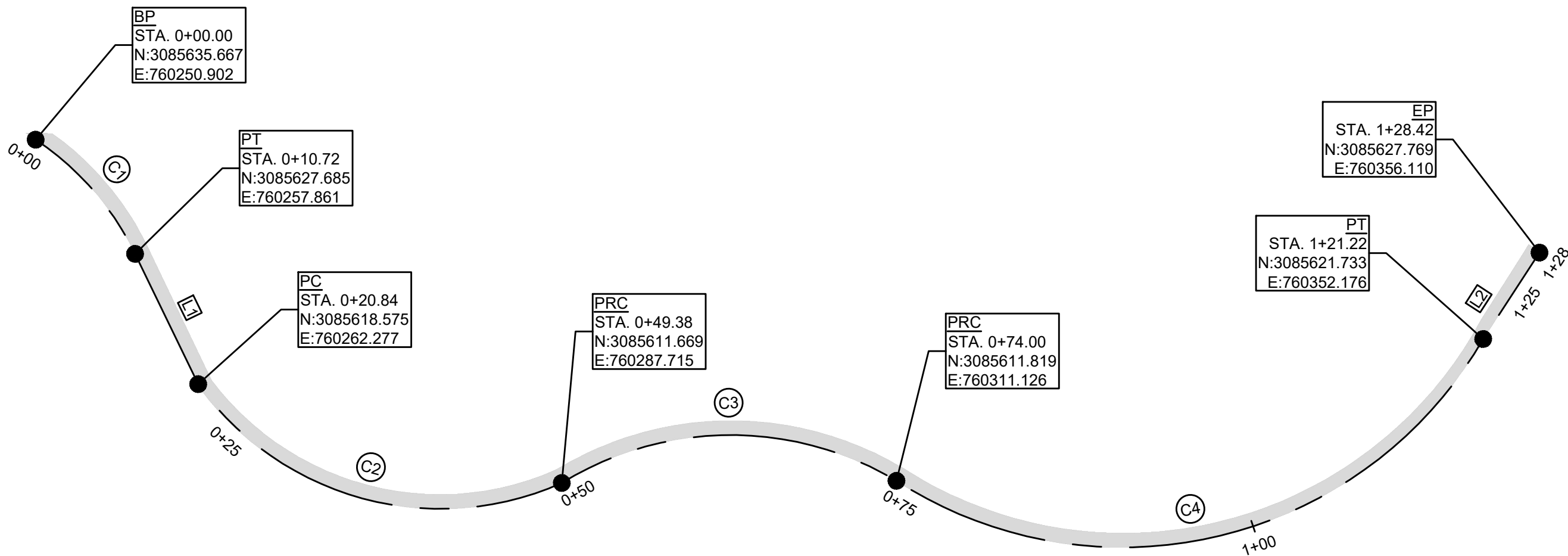
PARAMETER	VALUE
FRICTION ANGLE - $\phi$	29°
UNIT WEIGHT - $\gamma$	120 PCF
COHESION - C	0
SOIL TYPE	SAND

4. THE WALL BASE DESIGN ASSUMES A MIN. ALLOWABLE BEARING PRESSURE OF 1,500 PSF. PRIOR TO SUBGRADE PREPARATION, EXISTING TOPSOIL AND OTHER UNSUITABLE SOIL SHALL BE REMOVED FROM BENEATH THE PROPOSED WALL AND BACKFILL LIMITS. THE CONTRACTOR'S GEOTECHNICAL ENGINEER SHOULD REVIEW SOIL CONDITIONS AND ADJUST THE THICKNESS OF THE GRANULAR BASE TO ACCOMMODATE UNFORSEEN SOIL CONDITIONS NOT SIMILAR TO THE CHARACTERIZATION DESCRIBED IN THESE NOTES, IF NECESSARY.
5. SOIL AMENDMENTS AND GEOGRID ARE ANTICIPATED BELOW AND BEHIND THE MSE WALLS. THE CONTRACTOR SHALL SPECIFY ON THE STAMPED SUBMITTAL THE TYPE OF MATERIALS TO BE USED.
6. THE WALL BASE SHALL CONSIST OF A COMPACTED CRUSHED STONE AGGREGATE, AS SPECIFIED IN SPECIFICAION SECTION 02200. THE WALL BASE SHALL BE PLACED AS SHOWN ON THE DRAWINGS AND AS SPECIFIED BY THE CONTRACTOR'S GEOTECHNICAL ENGINEER. THE ABSE SHALL BE COMPACTED SO AS TO PROVIDE A LEVEL AND HARD SURFACE ON WHICH TO PLACE THE FIRST COURSE OF UNITS. GRANULAR BASE MATERIAL SHALL BE COMPACTED TO A MINIMUM 95 PERCENT OF STANDARD PROCTOR (ASTM D698). FOOTING SHALL BE SMOOTHED TO ENSURE COMPLETE CONTACT OF RETAINING WALL UNIT WITH THE BASE. SURFACE OF GRANULAR BASE MAY BE DRESSED WITH FINER AGGREGATE TO AID LEVELING.
7. THE WALL SHALL BE DESIGNED TO DRAIN GROUNDWATER AWAY FROM THE BACK OF THE WALL. ASSUME A 4" PERFORATED PVC DRAIN PIPE WILL BE REQUIRED WITH PIPE PENETRATIONS.
8. STATIONS AND LAYOUT DIMENSIONS ARE MEASURED ALONG THE FACE OF THE WALL AT THE BOTTOM COURSE.
9. ENSURE EACH COURSE IS COMPLETELY FILLED AND BACKFILL IS PLACED TO THE SAME LEVEL PRIOR TO PROCEEDING TO NEXT COURSE. ENSURE ADJACENT UNITS ARE IN CONTACT SO THAT UNIT FILL MAY NOT ESCAPE THROUGH THE JOINT BETWEEN UNITS. GAPS GREATER THAN 1/4" BETWEEN THE UNITS SHALL NOT BE ALLOWED. AT INTERSECTIONS WITH STRUCTURES, CUT UNITS TO OBTAIN A NEAT FIT. PULL BLOCK UNITS FORWARD TO ENGAGE THE ALIGNMENT LOOPS ON THE UNIT BELOW.
10. MAINTAIN TEMPORARY GRADES TO DIVERT SURFACE WATER AWAY FROM THE RETAINING WALL EXCAVATION. SLOPE FINAL BACKFILL TO PROVIDE POSITIVE DRAINAGE AND TO ELIMINATE PONDING.
11. SEE SPECIFICATION SECTION 03501 FOR ADDITIONAL DESIGN AND SUBMITTAL REQUIREMENTS.



MSE BLOCK WALL PROFILE

HORIZONTAL SCALE: 1"=8'  
VERTICAL SCALE: 1"=4'



CURVE DATA

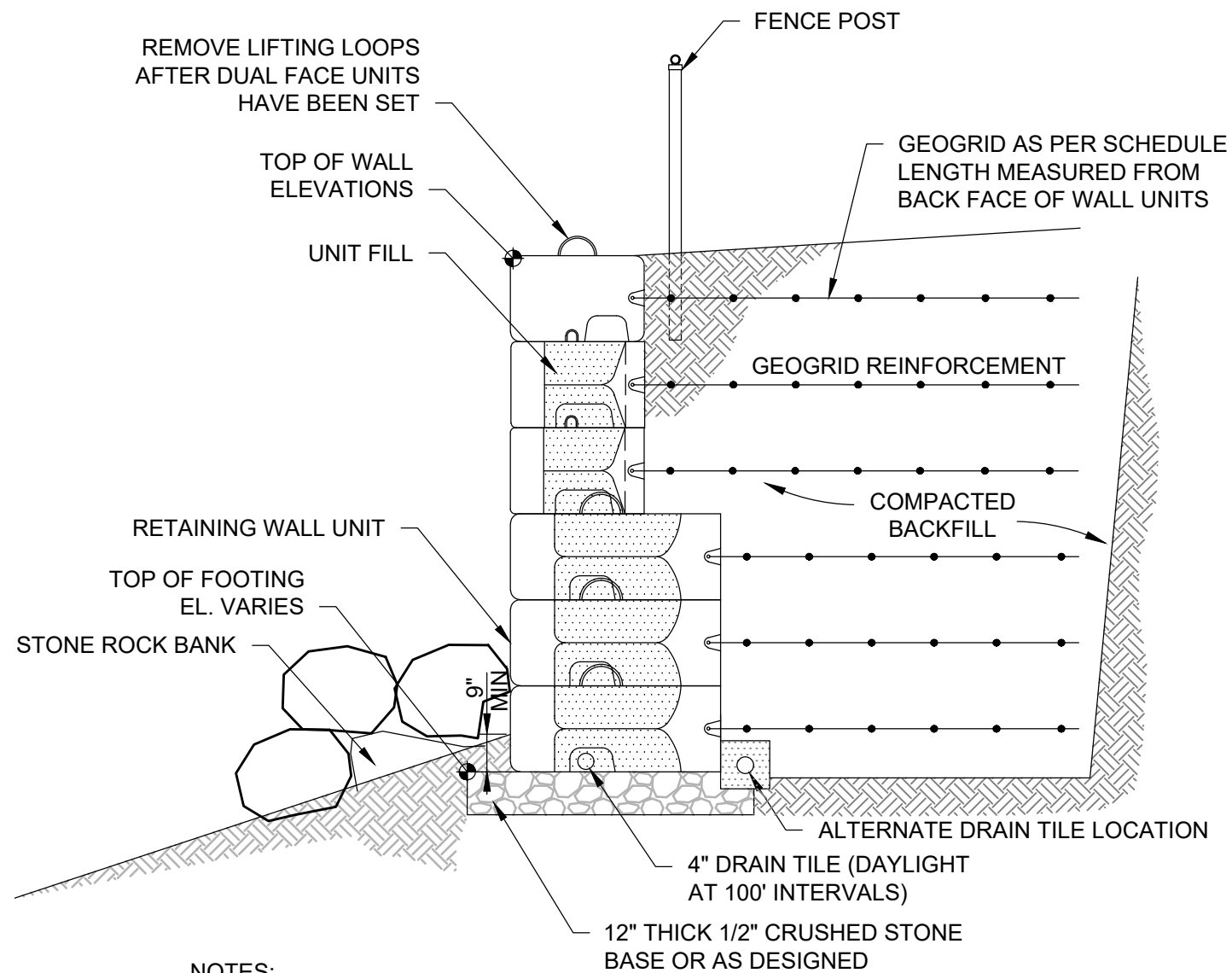
CURVE #	RADIUS	TANGENT	ARC	CHORD LENGTH	DELTA ANGLE
C1	19.960'	5.491'	10.718'	10.589'	30°45'53"
C2	20.834'	17.017'	28.538'	26.359'	78°29'05"
C3	22.555'	13.694'	24.615'	23.411'	62°31'45"
C4	29.157'	30.618'	47.225'	42.230'	92°47'57"

LINE DATA

LINE #	LENGTH	DIRECTION	START POINT	END POINT
L1	10.12'	S25° 51' 39.34"E	N:3085627.685 E:760257.861	N:3085618.575 E:760262.277
L2	7.20'	N33° 05' 42.51"E	N:3085621.733 E:760352.176	N:3085627.769 E:760356.110

MSE BLOCK WALL PLAN VIEW

HORIZONTAL SCALE: 1"=8'



NOTES:

1. THE CONTRACTOR SHALL SUBMIT MSE BLOCK WALL SHOP DRAWINGS STAMPED BY A LICENSED MA PROFESSIONAL ENGINEER.

MSE BLOCK WALL CROSS SECTION

SCALE: N.T.S.



1	6-5-25	REVISED MSE BLOCK WALL PROFILE	Scale	AS NOTED
			Date	MAY 2025
			Job No.	22003302
			Designed by	JLV
			Drawn by	JLV
			Checked by	MEG
			Approved by	RJP
MARK	DATE	DESCRIPTION		

THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

NORTH LAKE COCHICHEWICK BOAT LAUNCH  
TOWN OF NORTH ANDOVER, MA

CIVIL CONSTRUCTION DETAILS V

FOR BID

Sheet No.

CD-5

**TOWN OF NORTH ANDOVER, MASSACHUSETTS  
N. LAKE COCHICHEWICK BOAT LAUNCH**

**ADDENDUM #1**

**ATTACHMENT 3**




GO

[Home](#)   [Project Central](#)   [Company](#)

Project# 867468 North Lake Cochichewick Boat Launch

Company	Name	Address	City	State	Zip	Phone	Fax	Type ^
T Ford Company, Inc.	<b>Dan Galante</b>	124 Tenney Street	Georgetown	MA	01833	978-352-5606	978-352-7943	Contractor
Great Eastern Marine	<b>Jonathan Taliadoros</b>	65 Essex Avenue	Gloucester	MA	01930	978-283-2123	978-283-9438	Contractor
Quirk Construction Corp.	<b>Mark Masella</b>	1 Martel Way	Georgetown	MA	01833	978-352-4666	978-352-9666	Contractor
N. Granese & Sons	<b>Riley Donovan</b>	59 Jefferson Ave	Salem	MA	01970	781-592-8121	781-631-8466	Contractor
Ponch Excavation LLC	<b>Thomas Viola</b>	3841 Washington Street	Boston	MA	02131	508-454-1165	508-454-1165	Contractor
CJR Atlantic, Inc.	<b>Adrienne Barnard</b>	126 Joe Thompson Rd	Marstons Mills	MA	02648	406-531-7847	406-531-7847	Contractor(Division 02, 03, 05, 06,)
Site Improvements, Inc	<b>Anthony Finocchiaro</b>	P.O. Box 1145	Andover	MA	01810	978-685-1030	978-686-1046	Contractor(Division 02,)
raffaele construction inc	<b>gerardo raffaele</b>	21 elm place	swampscott	MA	01907	781-598-5989	781-593-0608	Contractor(Division 02, 03, 06, 07, 08, 14,)
Cassidy Landscaping	<b>Matt Pappa</b>	54 Cummings Park Dr	Woburn	MA	01801	781-953-5866	781-850-4530	Contractor(Division 02, 03,)
Edward Paige Corp.	<b>Robert Schuster</b>	661 Main Street	Norwell	MA	02061	978-399-3633	978-399-3633	Contractor(Division 02, 03, 05, 06, 07, 08, 09,)
New Boston Landscaping and Construction LLC	<b>Wanderson Heringer</b>	7 Bresnick In	Ashland	MA	01721	617-763-1191	000-000-0000	Contractor(Division 02, 03,)
Jupiter Electric, Inc.	<b>James Marshall</b>	140 Lafayette Rd	Salisbury	MA	01952	978-499-7776	978-499-3838	Contractor(Division 16,)
Fox Contracting Inc.	<b>Bravo Mason</b>	107 North Main Street Concord, NH 03301	Concord	NH	03301	304-895-7855	304-854-9875	General Contractor - CM / PM / OPM / Design Build Firms
Desmond Landscape	<b>Dan Desmond</b>	212 Andover Street	Andover	MA	01876	978-682-1106	978-682-1106	General Contractor - CM / PM / OPM / Design Build Firms
Kodiak Corporation	<b>Denise DiMento</b>	65 Glenn Street	Lawrence	MA	01843	978-685-0777	978-794-1493	General Contractor - CM / PM / OPM / Design Build Firms
Northern Construction	<b>Dulce Montana</b>	1520 Park Street	Palmer	MA	01069	781-340-9440	781-340-5708	General Contractor - CM / PM / OPM / Design Build Firms

GVW, INC	<b>Gina Dicenso</b>	38 Bennett St	Lynn	MA	01905	617-567-6000	617-567-3344	General Contractor - CM / PM / OPM / Design Build Firms
R. Bates & Sons, Inc.	<b>James Learned</b>	140 Pratts Junction Rd.	Sterling	MA	01564	978-563-1390	978-563-1393	General Contractor - CM / PM / OPM / Design Build Firms
C. White Marine, Inc.	<b>Jenelle Palladino</b>	160 Sylvan Street	Danvers	MA	01923	978-777-5656	978-750-6721	General Contractor - CM / PM / OPM / Design Build Firms
MAS Building & Bridge, Inc	<b>Jennifer Mackey</b>	18 Sharon Avenue	Norfolk	MA	02056	508-520-2277	508-520-2276	General Contractor - CM / PM / OPM / Design Build Firms
E.T.& L. Corp.	<b>Kerry Maynard</b>	873 Great Road	Stow	MA	01720	978-897-4353	978-897-0779	General Contractor - CM / PM / OPM / Design Build Firms
Flynn Enterprises Inc.	<b>paulo medeiros</b>	42 Church Street	Milton	MA	02186	978-509-9310	508-509-9310	General Contractor - CM / PM / OPM / Design Build Firms
K&R constrution	<b>ryan greenwich</b>	22 rocky lane	boxford	MA	01921	978-360-0212	978-887-4188	General Contractor - CM / PM / OPM / Design Build Firms
GVW inc	<b>Tim Costin</b>	38 Bennett Street	Lynn	MA	01905	617-721-4604	616-567-3344	General Contractor - CM / PM / OPM / Design Build Firms
SumCo Eco Contracting	<b>Tim Feliciano</b>	2 Centennial Drive	Peabody	MA	01960	978-744-1515	978-744-1514	General Contractor - CM / PM / OPM / Design Build Firms
Projectdog, Inc.	<b>Bid Coordinator</b>	David Cardarelli x101	Newburyport	MA	01950	978-499-9014	978-499-9016	News Bulletin
North America Procurement Council, Inc. PBC	<b>Lyra de Asis</b>	PO Box 40445	Grand Junction	CO	81504	302-450-1923	302-450-1925	News Bulletin
Lockton Companies	<b>Ashley Martin</b>	76 Batterson park Road	Farmington	CT	06032	860-678-4052	860-678-4052	Other
ConstructConnect	<b>ConstructConnect ConstructConnect</b>	40 Technology Parkway South	Norcross	GA	30092	800-364-2059	866-570-8187	Other
Onvia	<b>Source Management</b>	1260 Mercer St.	Seattle	WA	98109	206-373-9500	888-263-7801	Other
E.M. Lofgren Corporation	<b>Taylor Lofgren</b>	9 Harborview Road	Hull	MA	02045	187-534-1021	781-925-9795	Other
PWXPress	<b>Mary Miller</b>	1900 Coffeeport Rd	Jacksonville	FL	03220	408-676-8941	408-676-8941	Supplier(Division 02,)
Ferguson Waterworks	<b>Michael DAntonio</b>	23 Concord Street	North Reading	MA	01864	603-519-1447	603-519-1448	Supplier(Division 02, 15,)
Concord Lumber Corporation	<b>John Christoforo</b>	55 White St.	Littleton	MA	01460	978-486-9877	978-952-2413	Supplier(Division 08,)